

***1998 BRFSS
SUMMARY
QUALITY CONTROL
REPORT***

CDC
CENTERS FOR DISEASE CONTROL
AND PREVENTION

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 three 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.

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

AAPOR Cooperation Rate One: This rate is the number of completes divided by the number of identified households contacted that contain a resident 18 years or older. The resulting measure reflects the cooperation of identified eligibles and is not affected by differences in telephone sampling efficiency.

01
01+02+07+08+09+11

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.

01
01+02+09

Among Waksberg sampling states, the call-back rules are disregarded during wind-down interviewing (see page 3); therefore, total response rates for an interviewing period will not accurately reflect performance under the call-back rules during regular mode interviewing. 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.

01

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 percent¹ 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%¹ or less of total numbers called. States that exceed this percentage may not be following prescribed call-back procedures or may be using

¹This 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 survey areas with different sampling methods may not be meaningful. Within a survey area, month-to-month and year-to-year changes are important to monitor.

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%¹ 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%¹ 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 are shown for states using Waksberg-Mitofsky designs.

Monitoring Capability: BRFS 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 October, 1998.

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 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.

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 White or Black in the sample and the percentage White or Black in the population is an indicator of racial bias of the sample. The percentage White in the sample is, however, affected by large interstate differences in the protocol for coding the race of Hispanics. These differences in protocol significantly affect the percentage White in states with large Hispanic populations and can

introduce substantial bias in the race-specific risk factor prevalences for these areas.

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

Interpretation of Summary Statistics

The tables in sections 2 and 3 contain summary statistics useful in assessing data quality. These summary statistics include stem-and-leaf plots, quartiles, medians, and Z-scores. General information for interpreting these statistics is given below.

A stem-and-leaf plot provides useful information about the distribution of observed values, allowing easy identification of how tightly cases cluster together. It is easy to identify whether there are single peaks or several peaks, or to determine if there are extreme values. Stem-and-leaf plots represent each case with a numeric value that corresponds to the actual observed value. The leading digit or digits are the stem, and the trailing digit is the leaf. For example, in Table 2 the first value in the upper portion of the graph has a stem of 12 and a leaf of 0. This corresponds to the mean difference 1994-1998 for Tennessee (12.0). In contrast, the greatest number of cases (9) are found at stem 5, leaf 0 through 4, representing the greatest clustering of states.

A box plot displays summary statistics for the distribution. Box plots show both average measurements in the form of medians and variation measurements in the form of ranges and interquartile ranges. The three quartiles and any maximum and minimum values are marked in the chart. The quartiles divide the data into four groups with an approximately equal number of values in each group. The interquartile range is the difference between the upper quartile (Q3=75th percentile) and lower quartile (Q1=25th percentile). Values falling more than two interquartile ranges from the median are considered extreme values. These values are indicated by a zero if they are two to three interquartile ranges from the median or an asterisk if they are more than three. States with values outside the interquartile range should review their procedures, and for item non-response, be aware of possible bias in risk factor estimates. For example, in Table 2, the value 12.0 (Tennessee), falls outside the interquartile range, and is identified as an extreme value in the box plot.

The summary statistics also provide useful information in assessing state-specific data. The median shows the central tendency, or average location of values. The length of the box shows the spread, or variability of the data. If the median is not in the center of the box, the observed values are skewed. In general, states with extreme values will want to review their procedures.

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.

STATUS OF MONITORING SYSTEMS 1998

October 7, 1998

STATE	AUDIO (Y/N)	CATI DISPLAY (Y/N/NA)	COMMENTS
AL	Y	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	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	Y	N	
LA	N	NA	
ME	N	Y	
MD	Y	Y	
MA	Y	Y	
MI	Y	Y	
MN	N	Y	
MS	Y	Y	
MO	N	N	
MT	Y	N	
NE	Y	Y	
NV	Y	N	
NH	Y	Y	
NJ	Y	Y	
NM	Y	N	

STATE	AUDIO (Y/N)	CATI DISPLAY (Y/N/NA)	COMMENTS
NY	Y	Y	
NC	Y	N	
ND	Y	N	Expect to install video by 1/98
OH	Y	Y	
OK	N	N	
OR	Y	Y	
PA	Y	Y	
PR	N	N	
RI	Y	Y	
SC	Y	Y	
SD	Y	N	
TN	N	N	Ordered
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	
TOTALS	37 with audio, 30 with audio and video		

BRFSS CALL DISPOSITIONS
FREQUENCY DISTRIBUTION BY STATE, 1998

	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	
1	AK	1989	13.6	915	6.2	6777	46.2	1517	10.3	2094	14.3	32	0.2	409	2.8	38	0.3	14	0.1	859	5.9	30	0.2	14674
2	AL	2252	18.6	947	7.8	5192	43.0	588	4.9	1938	16.0	43	0.4	674	5.6	15	0.1	48	0.4	244	2.0	144	1.2	12085
3	AR	3002	15.8	1021	5.4	10003	52.7	2182	11.5	1924	10.1	570	3.0	56	0.3	31	0.2	6	0.0	3	0.0	200	1.1	18998
4	AZ	1916	14.8	93	0.7	6417	49.7	1773	13.7	1691	13.1	32	0.2	717	5.6	51	0.4	0	0.0	186	1.4	33	0.3	12909
5	CA	4161	19.9	557	2.7	5905	28.2	3284	15.7	3937	18.8	1380	6.6	1091	5.2	190	0.9	295	1.4	86	0.4	48	0.2	20934
6	CO	1802	18.1	472	4.7	4357	43.8	313	3.1	2477	24.9	56	0.6	359	3.6	36	0.4	0	0.0	18	0.2	64	0.6	9954
7	CT	3130	17.9	1637	9.4	7494	42.9	2273	13.0	2681	15.3	16	0.1	35	0.2	145	0.8	12	0.1	0	0.0	49	0.3	17472
8	DC	1452	9.2	430	2.7	7638	48.2	1749	11.0	4031	25.4	19	0.1	231	1.5	135	0.9	6	0.0	8	0.1	142	0.9	15841
9	DE	2582	18.0	931	6.5	6572	45.8	1640	11.4	2042	14.2	144	1.0	203	1.4	52	0.4	15	0.1	83	0.6	86	0.6	14350
10	FL	4724	14.8	5593	17.5	7662	23.9	5727	17.9	5729	17.9	393	1.2	1481	4.6	160	0.5	86	0.3	150	0.5	303	0.9	32008
11	GA	2375	18.5	1496	11.6	3977	30.9	1380	10.7	2746	21.4	87	0.7	341	2.7	95	0.7	47	0.4	178	1.4	138	1.1	12860
12	HI	2153	40.6	738	13.9	424	8.0	864	16.3	163	3.1	91	1.7	307	5.8	310	5.8	45	0.8	28	0.5	182	3.4	5305
13	IA	3654	13.8	689	2.6	17054	64.2	1060	4.0	2740	10.3	8	0.0	946	3.6	56	0.2	8	0.0	15	0.1	318	1.2	26548
14	ID	4931	18.8	2172	8.3	12549	47.7	1292	4.9	4165	15.8	38	0.1	623	2.4	177	0.7	150	0.6	64	0.2	133	0.5	26294
15	IL	2880	20.3	1740	12.3	5085	35.8	453	3.2	3101	21.8	57	0.4	560	3.9	130	0.9	18	0.1	0	0.0	170	1.2	14194
16	IN	2425	19.3	1720	13.7	4974	39.6	657	5.2	2361	18.8	61	0.5	150	1.2	0	0.0	60	0.5	82	0.7	57	0.5	12547
17	KS	3803	16.3	502	2.1	14955	63.9	1090	4.7	2397	10.2	57	0.2	517	2.2	20	0.1	1	0.0	9	0.0	49	0.2	23400
18	KY	3718	23.6	887	5.6	7550	47.9	776	4.9	1624	10.3	51	0.3	832	5.3	21	0.1	9	0.1	12	0.1	276	1.8	15756
19	LA	1656	25.9	470	7.4	1770	27.7	1124	17.6	713	11.2	107	1.7	300	4.7	26	0.4	33	0.5	71	1.1	123	1.9	6393
20	MA	4944	15.8	3396	10.8	12533	39.9	4701	15.0	5151	16.4	20	0.1	66	0.2	444	1.4	35	0.1	1	0.0	87	0.3	31378
21	MD	3298	20.5	1080	6.7	6558	40.9	918	5.7	2253	14.0	350	2.2	1254	7.8	65	0.4	43	0.3	109	0.7	122	0.8	16050
22	ME	1616	15.3	229	2.2	6219	59.0	451	4.3	1246	11.8	226	2.1	457	4.3	22	0.2	7	0.1	19	0.2	46	0.4	10538
23	MI	2535	16.0	1731	10.9	6757	42.6	1109	7.0	2643	16.7	176	1.1	637	4.0	119	0.8	0	0.0	5	0.0	138	0.9	15850
24	MN	4224	36.8	319	2.8	3918	34.2	1248	10.9	1097	9.6	80	0.7	383	3.3	46	0.4	10	0.1	69	0.6	71	0.6	11465
25	MO	3720	24.6	1299	8.6	3990	26.4	2116	14.0	2519	16.7	64	0.4	1005	6.7	26	0.2	46	0.3	166	1.1	153	1.0	15104
26	MS	2307	23.0	853	8.5	3943	39.3	727	7.3	1609	16.0	75	0.7	229	2.3	15	0.1	54	0.5	86	0.9	129	1.3	10027
27	MT	1804	30.9	267	4.6	1878	32.1	574	9.8	866	14.8	50	0.9	246	4.2	2	0.0	11	0.2	72	1.2	76	1.3	5846
28	NC	2402	19.5	744	6.0	5702	46.2	719	5.8	2033	16.5	69	0.6	469	3.8	24	0.2	8	0.1	131	1.1	36	0.3	12337
29	ND	1803	34.7	232	4.5	1826	35.1	501	9.6	583	11.2	24	0.5	176	3.4	3	0.1	0	0.0	17	0.3	33	0.6	5198
30	NE	2713	26.8	731	7.2	2654	26.2	1632	16.1	1589	15.7	28	0.3	467	4.6	74	0.7	9	0.1	168	1.7	70	0.7	10135
31	NH	1499	21.2	518	7.3	1384	19.6	1349	19.1	1216	17.2	107	1.5	779	11.0	33	0.5	8	0.1	95	1.3	73	1.0	7061
32	NJ	2467	15.0	1501	9.1	6045	36.7	2840	17.2	3313	20.1	14	0.1	41	0.2	198	1.2	18	0.1	0	0.0	39	0.2	16476
33	NM	3638	18.9	1108	5.7	9670	50.2	999	5.2	3088	16.0	67	0.3	478	2.5	19	0.1	65	0.3	36	0.2	103	0.5	19271
34	NV	1981	14.3	525	3.8	5827	42.1	1578	11.4	2692	19.5	247	1.8	379	2.7	211	1.5	0	0.0	178	1.3	209	1.5	13827
35	NY	2527	15.7	1517	9.4	6567	40.7	2465	15.3	2606	16.1	18	0.1	40	0.2	345	2.1	18	0.1	0	0.0	39	0.2	16142
36	OH	2993	16.7	1296	7.2	7675	42.7	1505	8.4	3241	18.0	24	0.1	930	5.2	33	0.2	26	0.1	122	0.7	125	0.7	17970
37	OK	2516	17.3	1052	7.2	7483	51.5	1055	7.3	1703	11.7	249	1.7	192	1.3	36	0.2	28	0.2	190	1.3	22	0.2	14526
38	OR	1818	13.7	1494	11.3	5897	44.5	721	5.4	2632	19.9	29	0.2	362	2.7	48	0.4	76	0.6	63	0.5	112	0.8	13252
39	PA	3599	19.1	2052	10.9	7928	42.2	2023	10.8	3017	16.1	8	0.0	33	0.2	68	0.4	10	0.1	0	0.0	59	0.3	18797
40	PR	2813	32.8	321	3.7	3051	35.5	766	8.9	1218	14.2	22	0.3	170	2.0	26	0.3	14	0.2	51	0.6	134	1.6	8586
41	RI	3602	18.1	2037	10.2	8348	41.9	2385	12.0	3167	15.9	13	0.1	54	0.3	245	1.2	17	0.1	0	0.0	72	0.4	19940
42	SC	3294	16.5	1497	7.5	9307	46.5	2596	13.0	3146	15.7	15	0.1	40	0.2	25	0.1	8	0.0	2	0.0	82	0.4	20012
43	SD	2112	31.0	534	7.8	2303	33.8	781	11.5	776	11.4	30	0.4	206	3.0	8	0.1	6	0.1	40	0.6	17	0.2	6813
44	TN	2944	25.0	1458	12.4	3320	28.1	2404	20.4	1169	9.9	39	0.3	199	1.7	23	0.2	6	0.1	152	1.3	84	0.7	11798
45	TX	6005	13.7	5617	12.8	18641	42.4	2854	6.5	8217	18.7	97	0.2	1701	3.9	136	0.3	265	0.6	172	0.4	275	0.6	43980
46	UT	2864	29.3	529	5.4	3046	31.2	1361	13.9	1119	11.5	27	0.3	487	5.0	62	0.6	14	0.1	195	2.0	58	0.6	9762
47	VA	3506	20.2	1260	7.3	7219	41.6	953	5.5	2991	17.2	114	0.7	651	3.7	213	1.2	0	0.0	273	1.6	190	1.1	17370
48	VT	3000	14.7	766	3.7	13285	65.0	1328	6.5	1945	9.5	18	0.1	60	0.3	11	0.1	4	0.0	0	0.0	36	0.2	20453
49	WA	3604	18.5	2226	11.4	6499	33.4	1381	7.1	3960	20.4	222	1.1	770	4.0	233	1.2	118	0.6	191	1.0	238	1.2	19442
50	WI	2205	21.8	835	8.2	4627	45.7	361	3.6	1791	17.7	109	1.1	96	0.9	0	0.0	29	0.3	33	0.3	40	0.4	10126
51	WV	2414	33.9	720	10.1	1548	21.7	821	11.5	947	13.3	30	0.4	442	6.2	5	0.1	4	0.1	80	1.1	107	1.5	7118
52	WY	2434	20.1	951	7.9	5663	46.8	643	5.3	1933	16.0	31	0.3	281	2.3	30	0.2	38	0.3	24	0.2	60	0.5	12088
	CU					33766				12603														80126
	M	149806		63705		6		77607		0		5934		23612		4536		1848		4836		5680		0
	MED	2648		939		6132		1270		2307		54		370		42		14		66		85		14438

BRFSS CASRO RESPONSE RATE ESTIMATES***BY STATE, 1994-1998**

	1994	1995	1996	1997	1998
State	Rate	Rate	Rate	Rate	Rate
AK	74.6	68.4	62.9	59.5	50.1
AL	71.0	68.3	69.1	59.6	53.5
AR	71.9	65.7	62.5	65.9	65.0
AZ	63.5	65.1	67.1	72.5	59.6
CA	61.4	52.3	47.9	48.2	57.2
CO	74.8	77.4	74.4	62.5	66.2
CT	75.9	65.1	60.4	60.7	56.6
DC	76.1	76.1	64.1	67.8	60.9
DE	69.7	68.3	63.5	59.8	60.9
FL	66.7	54.6	55.8	49.4	32.5
GA	62.5	77.6	87.1	76.8	49.0
HI	59.6	48.6	48.6	41.3	55.2
IA	75.3	73.3	74.9	69.4	66.2
ID	66.2	66.8	59.6	59.0	59.4
IL	71.5	61.6	45.6	44.2	53.6
IN	77.1	78.9	73.2	62.8	52.4
KS	77.9	73.6	77.5	75.1	75.1
KY	73.6	72.6	65.5	69.6	64.9
LA	67.3	67.3	62.7	63.8	54.8
MA	65.4	60.4	56.6	50.4	49.8
MD	58.6	60.9	54.6	54.9	54.4
ME	73.2	70.2	66.0	66.1	66.9
MI	42.6	56.0	54.6	49.6	48.1
MN	73.3	78.1	73.6	77.9	75.7
MO	63.3	59.1	59.5	54.2	52.0
MS	73.1	75.4	71.3	67.4	61.6
MT	74.7	77.5	76.5	72.6	68.9
NC	68.3	69.2	59.3	64.4	61.7
ND	86.8	84.5	85.6	79.3	73.4
NE	70.2	67.5	68.0	61.6	56.9
NH	62.0	59.5	59.3	51.4	42.5
NJ	67.5	66.9	52.4	51.0	50.7
NM	53.3	52.5	61.2	62.5	65.1
NV	76.0	77.4	75.9	71.8	59.9
NY	60.6	60.2	50.6	51.6	52.2
OH	66.2	69.5	74.4	61.7	51.9
OK	71.2	76.2	72.8	72.3	60.7
OR	65.3	56.9	55.4	53.1	45.6
PA	66.0	64.1	61.8	58.2	56.4
PR				88.9	76.7
RI	73.1	68.7	59.4	54.7	55.5
SC	76.8	74.5	60.9	58.8	59.2
SD	79.4	81.2	76.8	70.0	65.0
TN	65.4	68.7	62.5	60.1	50.1
TX	57.7	60.2	52.8	45.7	41.2
UT	79.4	78.5	77.6	71.9	61.8
VA	60.9	62.3	61.2	59.6	60.2
VT	72.3	74.5	71.6	71.5	73.2
WA	64.8	61.4	53.7	52.3	49.3
WI	74.7	71.9	69.6	69.7	67.0
WV	77.5	77.5	71.8	65.9	58.9
WY	66.9	69.2	67.7	63.4	62.1
MEDIAN	69.9	68.5	63.1	62.5	59.2
MAX	86.8	84.5	87.1	88.9	76.7
MIN	42.6	48.6	45.6	41.3	32.5

*Excluding wind-down records

BRFSS UPPER BOUND RESPONSE RATE

BY STATE, 1994-1998					
	1994	1995	1996	1997	1998
State	Rate	Rate	Rate	Rate	Rate
AK	84.7	80.0	75.3	74.4	68.2
AL	80.0	79.9	80.6	75.2	69.4
AR	81.4	76.0	73.1	78.7	74.5
AZ	74.6	73.6	81.9	92.6	95.4
CA	77.6	70.3	66.9	64.6	83.0
CO	86.0	86.1	83.2	76.2	79.2
CT	88.0	78.9	77.7	74.5	65.5
DC	88.3	88.3	82.1	82.1	76.9
DE	89.4	89.8	85.1	80.2	73.2
FL	77.4	77.1	70.0	64.7	45.4
GA	68.5	83.4	93.5	86.7	60.6
HI	79.8	82.2	82.2	74.8	73.3
IA	82.3	86.9	85.7	86.9	84.0
ID	77.8	76.0	69.8	69.8	68.0
IL	83.0	73.2	54.1	64.0	62.1
IN	85.5	86.5	82.5	74.3	57.7
KS	93.8	89.9	92.5	92.2	88.3
KY	88.5	87.1	84.1	86.6	80.6
LA	76.8	77.4	74.6	77.1	76.7
MA	72.6	69.1	68.2	67.0	59.0
MD	72.4	75.7	60.1	65.4	74.6
ME	83.0	83.8	78.2	82.7	87.3
MI	66.1	80.1	63.6	62.3	59.4
MN	84.9	92.9	89.0	92.1	92.8
MO	73.6	68.6	68.6	81.6	73.4
MS	85.2	85.3	81.2	79.5	71.8
MT	88.1	88.7	88.6	86.2	86.6
NC	82.5	86.8	81.8	78.2	76.2
ND	95.4	95.0	94.4	92.4	88.6
NE	83.2	80.4	83.7	77.6	78.6
NH	76.7	78.7	77.3	73.9	74.0
NJ	86.5	86.7	76.5	73.9	61.9
NM	61.9	60.5	69.5	76.2	75.6
NV	86.6	90.4	87.1	86.1	79.1
NY	74.9	72.4	62.3	67.1	62.2
OH	79.4	81.4	83.2	76.8	69.4
OK	75.2	79.2	78.5	79.0	70.0
OR	76.9	67.9	67.1	64.1	53.7
PA	70.3	69.0	78.0	73.4	63.6
PR				92.7	89.4
RI	78.8	76.9	70.6	70.6	63.7
SC	84.2	83.9	75.9	85.6	68.6
SD	90.6	89.0	86.1	80.1	79.6
TN	77.7	79.7	75.0	72.2	66.8
TX	73.4	75.6	74.0	67.3	50.5
UT	87.7	87.4	88.3	87.0	84.1
VA	76.2	75.9	76.4	75.8	73.6
VT	88.3	89.3	87.4	86.8	79.6
WA	73.5	72.0	66.4	65.6	60.6
WI	78.4	74.5	72.5	73.2	71.8
WV	85.0	85.0	81.2	78.2	76.9
WY	81.4	79.5	77.9	74.9	71.1
MEDIAN	80.7	80.0	78.1	76.8	73.4
MAX	95.4	95.0	94.4	92.7	95.4
MIN	61.9	60.5	54.1	62.3	45.4
*Excluding wind-down records					

BRFSS EFFICIENCY RATES					
BY STATE, 1994-1998					

	1994	1995	1996	1997	1998
State	Rate	Rate	Rate	Rate	Rate
AK	23.8	22.4	23.7	23.3	13.6
AL	45.2	40.6	37.0	28.8	18.6
AR	38.2	35.6	19.8	20.0	15.8
AZ	33.3	31.5	32.2	32.1	14.8
CA	36.1	31.5	33.6	30.5	19.9
CO	31.4	29.0	28.6	29.3	18.1
CT	49.5	26.3	20.1	20.2	17.9
DC	29.1	29.1	19.1	22.6	9.2
DE	40.0	38.8	34.0	29.5	18.0
FL	36.1	30.3	26.3	23.5	14.8
GA	29.0	38.2	46.3	40.5	18.5
HI	22.6	17.9	17.9	32.4	40.6
IA	39.4	41.1	40.0	38.8	13.8
ID	27.0	31.5	28.4	24.5	18.8
IL	27.0	23.6	21.9	21.2	20.3
IN	39.3	41.6	37.2	26.4	19.3
KS	60.6	54.3	59.7	59.7	16.3
KY	30.3	35.4	29.0	33.1	23.6
LA	35.8	33.6	30.0	27.6	25.9
MA	35.5	25.1	23.3	17.4	15.8
MD	28.2	27.5	27.3	25.3	20.5
ME	36.5	35.4	33.2	32.3	15.3
MI	21.9	10.4	19.1	17.9	16.0
MN	40.8	34.5	33.4	34.7	36.8
MO	28.8	22.7	24.6	23.5	24.6
MS	37.5	42.5	35.2	35.9	23.0
MT	35.0	36.0	34.8	31.0	30.9
NC	29.8	30.7	27.8	27.7	19.5
ND	44.3	43.6	43.2	38.4	34.7
NE	29.8	19.3	17.7	19.1	26.8
NH	25.9	26.4	26.3	24.0	21.2
NJ	53.8	45.5	16.9	19.5	15.0
NM	25.8	24.9	27.0	29.3	18.9
NV	42.7	58.8	54.9	24.9	14.3
NY	27.5	24.0	21.2	22.7	15.7
OH	29.6	29.7	28.6	25.8	16.7
OK	23.6	30.0	25.6	32.4	17.3
OR	32.4	25.9	21.9	19.8	13.7
PA	36.3	32.2	20.2	22.6	19.1
PR				52.2	32.79
RI	40.7	29.6	25.9	21.9	18.1
SC	31.6	30.4	26.1	21.7	16.5
SD	48.5	39.5	37.5	33.5	31.0
TN	30.1	35.3	30.2	24.7	25.0
TX	32.4	31.0	30.4	25.5	13.7
UT	34.7	33.3	34.1	31.3	29.3
VA	36.1	33.6	18.7	20.1	20.2
VT	46.3	35.0	19.0	21.1	14.7
WA	41.2	37.9	22.8	24.4	18.5
WI	26.8	27.0	24.6	23.1	21.8
WV	42.1	42.5	41.3	35.9	33.9
WY	28.7	27.6	29.4	24.9	20.1
MEDIAN	34.9	31.5	28.1	25.5	18.8
MAX	60.6	58.8	59.7	59.7	40.6
MIN	21.9	10.4	16.9	17.4	9.2

BRFSS AAPOR COOPERATION RATE ONE*					
BY STATE, 1994-1998					
	1994	1995	1996	1997	1998

State	Rate	Rate	Rate	Rate	Rate
AK	71.7	64.5	63.0	60.2	58.6
AL	75.3	74.4	71.1	61.9	55.2
AR	71.6	65.7	63.2	67.7	69.6
AZ	65.1	65.7	75.0	83.6	68.2
CA	66.5	57.7	55.3	51.1	65.6
CO	73.5	76.5	75.1	67.8	65.9
CT	84.9	67.5	64.1	62.9	62.5
DC	75.4	75.4	61.9	66.2	60.6
DE	79.3	77.6	74.0	70.4	66.7
FL	67.2	55.0	58.9	51.8	38.3
GA	66.5	81.3	91.4	80.7	52.9
HI	59.0	50.9	50.9	52.4	57.6
IA	77.6	75.4	76.5	70.0	64.4
ID	66.7	71.0	62.0	60.1	60.2
IL	62.7	56.7	46.1	46.8	52.4
IN	75.7	79.2	73.7	63.2	55.0
KS	86.7	81.3	85.0	85.3	77.7
KY	72.4	71.5	66.4	70.9	64.7
LA	70.4	70.6	65.5	66.2	63.5
MA	67.0	62.7	59.2	53.4	55.1
MD	63.9	66.3	55.1	62.2	56.3
ME	75.1	71.1	67.8	65.9	68.0
MI	49.0	57.8	55.8	50.5	49.1
MN	75.2	82.3	81.3	83.8	83.6
MO	65.7	61.3	60.5	55.9	59.5
MS	70.3	73.0	71.5	69.3	64.3
MT	74.4	76.8	76.5	74.3	75.0
NC	71.8	71.4	71.1	66.4	65.2
ND	85.8	83.3	86.3	82.5	80.2
NE	74.4	71.4	74.1	65.8	66.8
NH	62.2	64.5	63.9	56.0	51.5
NJ	85.0	84.6	57.7	55.5	57.9
NM	54.7	55.5	65.0	67.8	67.2
NV	77.7	79.8	78.0	72.1	59.9
NY	56.9	53.1	47.4	50.0	56.3
OH	66.5	71.0	75.1	61.7	55.4
OK	66.0	73.8	72.2	72.1	65.4
OR	65.6	56.1	56.5	54.4	46.5
PA	67.7	66.5	65.5	62.3	61.8
PR				90.1	80.9
RI	75.2	69.9	61.4	57.2	59.8
SC	79.2	79.9	71.6	73.2	66.6
SD	82.2	82.3	79.4	73.0	73.3
TN	72.2	73.6	68.6	65.2	62.5
TX	60.4	63.7	61.5	56.6	42.9
UT	75.2	76.4	80.8	74.1	71.4
VA	66.0	62.5	59.9	59.0	60.2
VT	81.0	81.0	76.2	75.7	77.4
WA	65.2	63.1	55.3	54.2	50.1
WI	75.3	72.4	69.8	70.5	68.8
WV	76.9	77.3	72.4	66.0	65.4
WY	66.1	71.7	70.5	65.5	64.2
MEDIAN	71.7	71.4	68.2	65.9	63.5
MAX	86.7	84.6	91.4	90.1	83.6
MIN	49.0	50.9	46.1	46.8	38.3
*Excluding wind-down records					

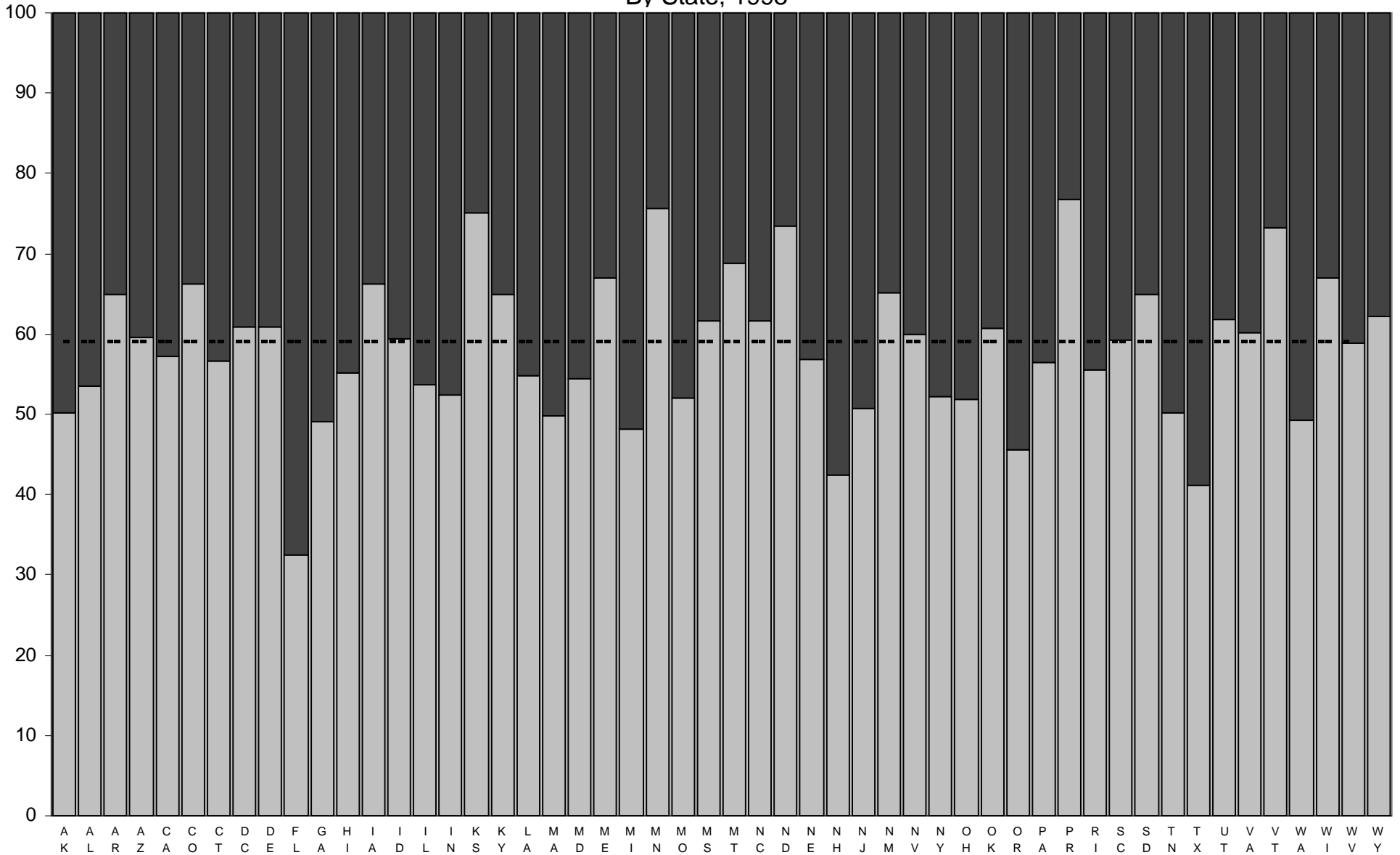
BRFSS WIND-DOWN RATES

BY STATE, 1994-1998

<u>State</u>	<u>1994</u>	<u>1995</u>	<u>1996</u>	<u>1997</u>	<u>1998</u>
AK	5.9	5.8	6.6	8.7	6.9
FL	3.0	3.5	2.9	3.6	3.1
LA	4.3	4.2	3.7	3.9	3.9
MN	5.5	3.1	1.6	2.0	2.0
MO	0.0	6.7	5.9	5.3	5.8
MT	4.4	4.8	4.3	4.5	4.8
ND	4.1	5.3	4.8	4.8	4.7
NH	7.7	6.9	6.7	6.9	9.5
SD	6.1	10.1	7.8	3.8	4.5
TN	4.7	6.7	7.7	7.1	9.5
UT	4.9	6.1	4.7	3.9	4.5
WV	5.3	5.0	5.0	5.0	5.0
Median	4.8	5.5	4.9	4.6	4.7
Low	0.0	3.1	1.6	2.0	2.0
High	7.7	10.1	7.8	8.7	9.5

BRFSS CASRO ESTIMATES OF RESPONSE AND REFUSAL RATES

By State, 1998

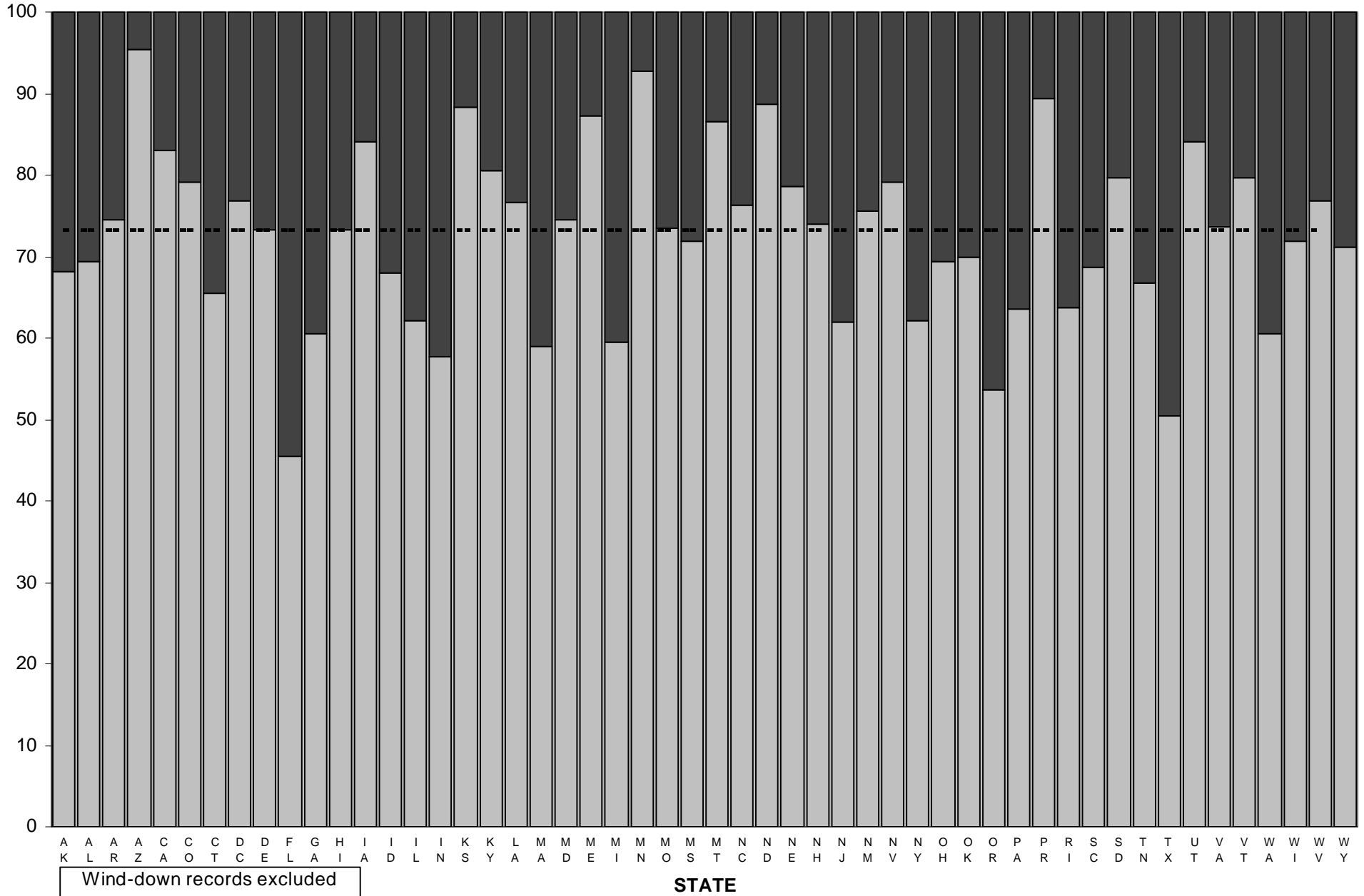


Wind-down records excluded

RESPONSE RATE
 REFUSAL RATE
 BRFSS MEDIAN

BRFSS UPPER BOUND ESTIMATES OF RESPONSE AND REFUSAL RATES

By State, 1998

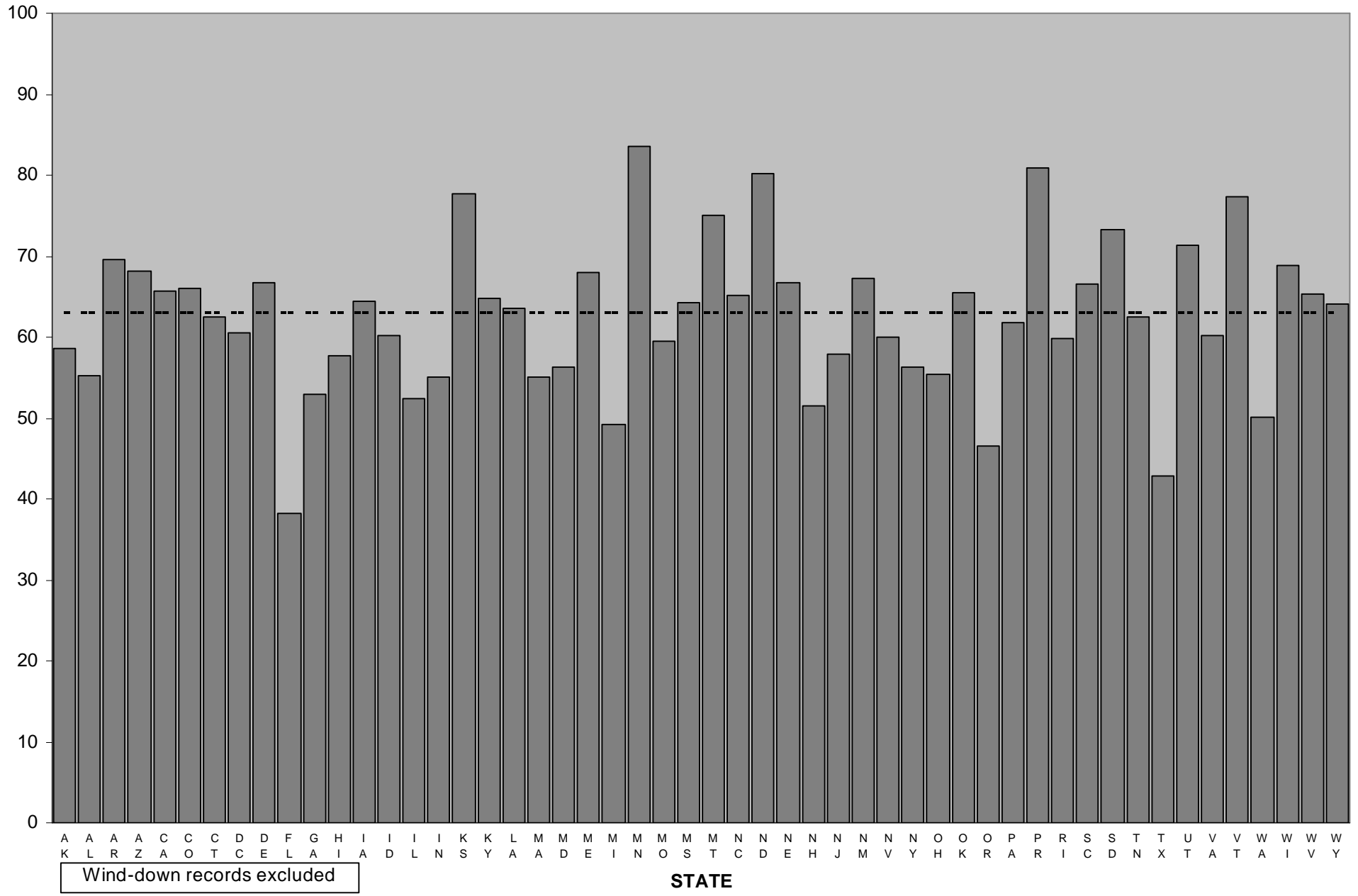


Wind-down records excluded

RESPONSE RATE
 REFUSAL RATE
 BRFSS MEDIAN

BRFSS COOPERATION ONE RATE

By State, 1998



■ COOPERATION ONE

- - - BRFSS MEDIAN

BRFSS
MEDIAN UPPER BOUND, CASRO, EFFICIENCY, AND COOPERATION ONE
1994-1998

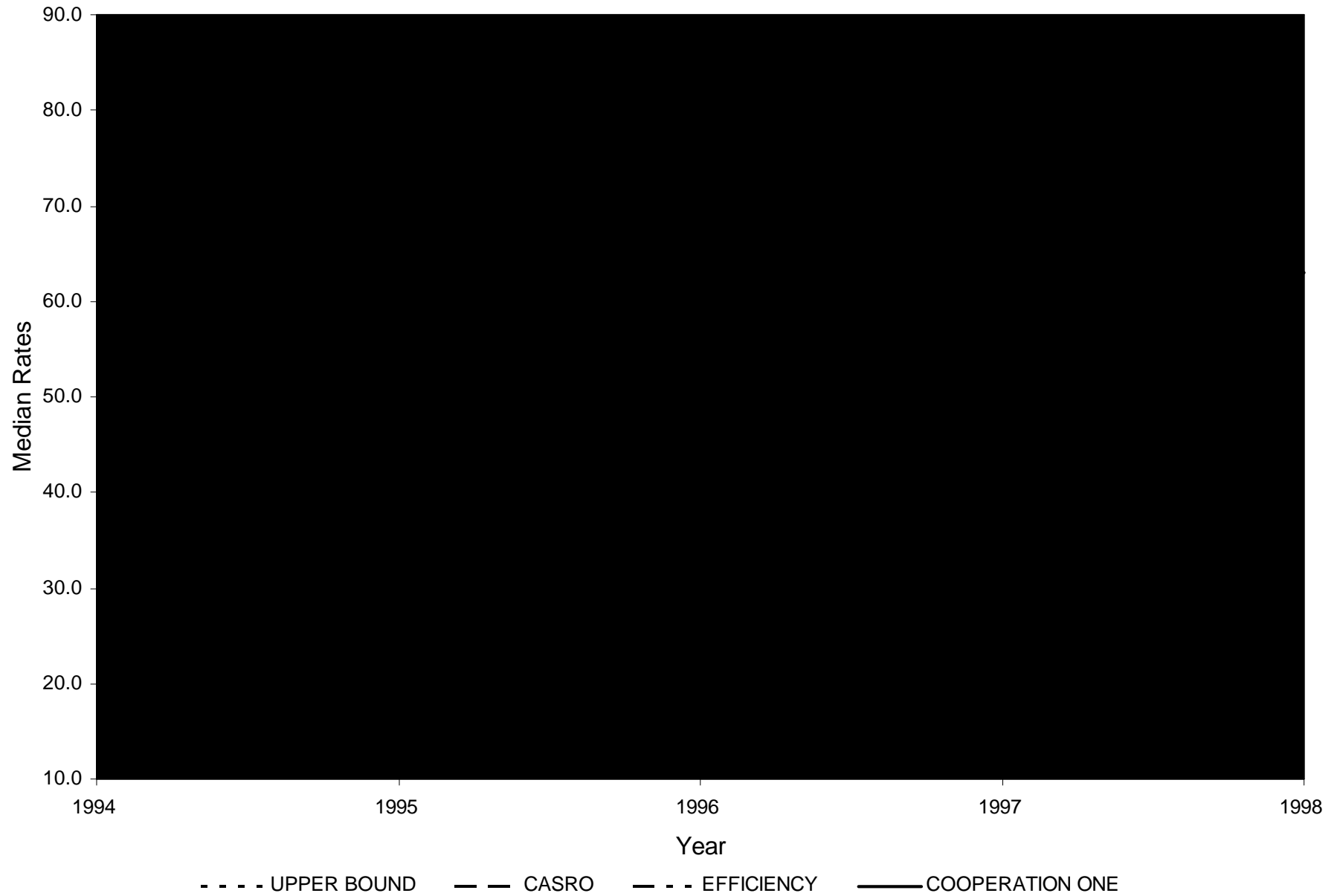


TABLE 1: PERCENTAGE OF RECORDS WITH A CLUSTER SIZE OF THREE, WAKSBERG STATES, 1994-1998

STATE	1994	1995	1996	1997	1998	MEAN
Louisiana	97.2%	99.8%	100.0%	100.0%	100.0%	99.4%
Minnesota	100.0%	97.3%	93.6%	99.6%	99.9%	98.1%
North Dakota	100.0%	100.0%	97.9%	99.7%	99.7%	99.5%
Montana	95.0%	98.3%	99.7%	99.5%	99.4%	98.4%
West Virginia	96.2%	98.0%	99.5%	98.7%	97.6%	98.0%
Tennessee	99.6%	100.0%	99.7%	99.5%	97.3%	99.2%
South Dakota	89.3%	94.5%	97.3%	82.2%	97.0%	92.1%
Missouri	98.9%	83.4%	95.4%	98.6%	95.3%	94.3%
New Hampshire	92.1%	93.1%	95.7%	96.5%	94.1%	94.3%
Utah	90.6%	96.6%	97.4%	97.5%	93.4%	95.1%
Florida	98.8%	89.7%	98.8%	99.6%	90.9%	95.6%

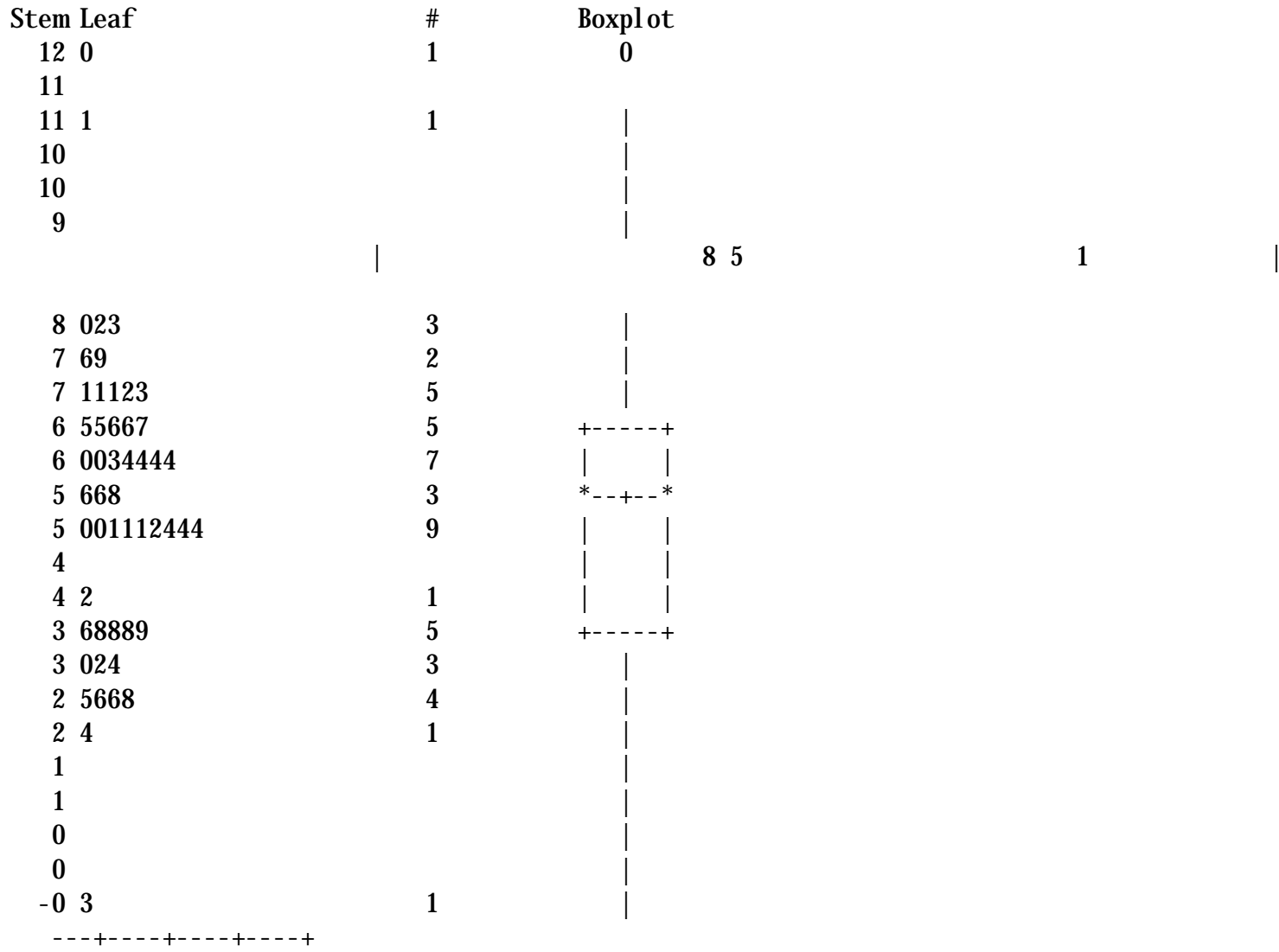
TABLE 2: DISCREPANCY IN PERCENTAGE FEMALE BETWEEN THE WEIGHTED* SAMPLE DATA AND POPULATION DATA BY STATE, 1994-1998

STATE	1994	1995	1996	1997	1998	MEAN
Tennessee	5.0	3.9	7.2	11.0	12.0	7.8
Alabama	10.4	8.5	9.7	7.5	11.1	9.4
Kentucky	7.5	6.5	7.8	8.5	8.5	7.8
Missouri	8.9	7.3	4.6	7.1	8.3	7.2
Georgia	3.3	3.0	3.1	3.9	8.2	4.3
Arkansas	7.3	4.5	7.7	8.2	8.0	7.1
Kansas	3.2	2.1	3.9	7.1	7.9	4.8
Mississippi	5.7	4.6	7.9	6.6	7.6	6.5
Maryland	3.9	5.4	4.7	2.8	7.3	4.8
Alaska	4.7	6.3	6.1	4.7	7.2	5.8
Oklahoma	3.8	1.3	2.7	3.5	7.1	3.7
Nebraska	7.8	5.2	7.0	7.8	7.1	7.0
Wyoming	5.7	6.2	6.5	6.4	7.1	6.4
Louisiana	7.5	5.5	5.4	7.5	6.7	6.5
Oregon	4.2	4.1	5.0	4.1	6.6	4.8
New Hampshire	5.0	4.6	4.0	7.5	6.6	5.5
Rhode Island	.	0.5	2.2	4.7	6.5	3.5
North Carolina	2.9	5.5	4.7	5.8	6.5	5.1
District of Columbia	2.4	.	5.0	7.2	6.4	5.3
Iowa	1.7	4.4	4.0	4.5	6.4	4.2
Florida	3.9	4.8	6.1	5.3	6.4	5.3
Texas	6.9	9.4	8.5	6.2	6.4	7.5
Hawaii	5.9	5.0	.	6.4	6.3	5.9
Puerto Rico	.	.	5.4	2.5	6.0	4.7
Idaho	6.5	7.6	6.2	6.2	6.0	6.5
Pennsylvania	3.3	2.0	2.8	6.0	5.8	4.0

Michigan	4.9	6.4	4.3	3.7	5.6	5.0
Connecticut	8.8	3.6	7.3	6.5	5.6	6.4
West Virginia	5.4	7.1	6.9	5.2	5.4	6.0
Maine	-0.1	2.5	3.6	1.8	5.4	2.6
Ohio	7.3	7.6	5.9	6.7	5.4	6.6
Utah	4.2	3.6	2.8	2.2	5.2	3.6
Arizona	5.8	9.1	5.2	-0.2	5.1	5.0
California	4.5	2.7	5.2	4.7	5.1	4.4
New Jersey	7.4	12.6	3.3	7.5	5.1	7.2
Indiana	3.4	1.8	3.2	2.1	5.0	3.1
Delaware	5.8	8.0	7.1	7.0	5.0	6.6
New Mexico	9.2	9.1	7.9	4.9	4.2	7.1
South Carolina	2.7	4.9	5.0	8.5	3.9	5.0
Massachusetts	4.5	3.6	4.2	5.0	3.8	4.2
Montana	5.8	5.4	4.5	4.6	3.8	4.8
Washington	3.1	4.4	6.3	5.5	3.8	4.6
Virginia	3.7	6.7	8.7	5.5	3.6	5.7
New York	4.4	4.5	4.9	5.5	3.4	4.5
Illinois	6.0	5.5	6.3	5.4	3.2	5.3
North Dakota	2.0	2.9	6.2	2.3	3.0	3.3
Colorado	3.6	4.2	3.9	2.5	2.8	3.4
Nevada	13.6	11.4	6.5	6.3	2.6	8.1
South Dakota	3.9	3.3	3.4	2.8	2.6	3.2
Vermont	4.1	5.0	3.2	2.6	2.5	3.5
Wisconsin	2.3	1.0	2.6	2.7	2.4	2.2
Minnesota	2.4	2.4	2.9	1.3	-0.3	1.8

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)

TABLE 2b: DISCREPANCY IN PERCENTAGE FEMALE BETWEEN THE WEIGHTED* SAMPLE DATA AND POPULATION DATA BY STATE, 1994-1998



N 51 75% Q3 -0.3
 Mean -1.2 50% Med -1.1
 Std Dev 2.2 25% Q1 -2.4

TABLE 3: DISCREPANCY BETWEEN WEIGHTED* SAMPLE AND POPULATION BY AGE CATEGORY AND STATE, 1998

PERCENTAGE POINT DIFFERENCE

STATE	18-24	25-34	35-44	45-54	55-64	65+
Alabama	-2.3	-3.4	1.3	1.8	1.7	1.0
Alaska	-0.2	-0.9	-1.4	3.9	-0.7	-0.7
Arizona	-1.6	2.6	-1.8	-0.5	-1.3	2.6
Arkansas	-1.9	-0.7	0.8	1.8	1.5	-1.5
California	0.3	2.0	0.8	0.8	-1.2	-2.7
Colorado	0.8	1.1	-1.7	0.4	0.0	-0.6
Connecticut	-1.2	0.8	2.5	0.1	0.4	-2.6
Delaware	-2.5	-0.2	0.8	0.8	0.1	0.9
District of Columbia	0.0	1.6	-4.1	1.6	-0.8	1.6
Florida	0.2	-0.2	-0.2	-0.4	1.3	-0.7
Georgia	-1.4	0.8	-0.0	1.5	0.6	-1.4
Hawaii	-1.4	0.4	0.9	4.2	-1.3	-2.9
Idaho	-1.6	0.7	1.0	1.2	0.5	-1.9
Illinois	-0.1	1.1	2.3	1.2	-0.3	-4.1
Indiana	-1.1	0.6	0.5	2.7	-0.2	-2.5
Iowa	-2.2	0.0	2.4	1.2	1.6	-3.0
Kansas	-2.8	-0.5	1.3	1.1	-0.4	1.3
Kentucky	-2.5	-0.7	0.7	1.2	1.4	-0.1
Louisiana	-2.0	-0.9	2.1	1.6	0.1	-0.9
Maine	-5.0	0.1	1.5	2.9	1.1	-0.7
Maryland	0.9	-0.2	2.7	-1.3	-0.8	-1.4
Massachusetts	-1.8	2.9	2.8	0.9	-1.4	-3.3
Michigan	0.9	-0.6	3.0	0.6	-1.0	-3.0
Minnesota	-2.0	0.6	4.7	0.2	-0.1	-3.4
Mississippi	-3.6	-0.8	0.9	1.8	2.0	-0.3
Missouri	-2.1	-0.1	1.1	0.9	1.1	-0.8
Montana	-0.2	-1.2	0.5	1.0	0.8	-0.8
Nebraska	-1.8	-2.9	-0.6	1.2	0.3	3.8
Nevada	3.3	-0.0	2.4	-1.9	-2.2	-1.6
New Hampshire	-2.5	-0.8	0.7	2.4	0.3	-0.1
New Jersey	-1.5	1.0	0.1	1.7	0.1	-1.4

New Mexico	-0.8	-1.0	-0.5	1.9	1.5	-1.1
New York	0.8	1.6	1.7	-0.2	-2.1	-1.8
North Carolina	-4.3	1.5	1.6	0.5	1.4	-0.8
North Dakota	-1.5	-3.0	1.2	2.0	-0.1	1.4
Ohio	-2.8	0.4	-0.0	1.6	0.3	0.5
Oklahoma	-3.4	-1.0	0.0	1.1	-0.1	3.4
Oregon	-0.2	2.5	-1.6	2.2	1.6	-4.5
Pennsylvania	-0.9	1.7	1.4	0.6	1.1	-3.9
Rhode Island	-2.4	2.2	2.1	1.9	-0.0	-3.8
South Carolina	-1.7	1.3	0.1	1.8	0.4	-2.0
South Dakota	-3.1	-2.3	1.2	1.6	0.4	2.2
Tennessee	-2.7	-0.9	2.3	1.5	1.2	-1.5
Texas	-0.9	-0.5	3.2	0.9	0.1	-2.9
Utah	2.8	1.9	-1.9	-1.8	-0.1	-0.8
Vermont	-4.1	0.2	-0.2	4.2	0.5	-0.6
Virginia	-2.3	2.0	1.7	0.4	0.4	-2.3
Washington	0.2	-0.0	1.9	1.9	0.0	-3.9
West Virginia	-2.1	-2.5	2.9	1.9	1.2	-1.4
Wisconsin	-2.9	0.3	4.3	0.6	1.6	-3.8
Wyoming	0.2	-1.7	1.6	1.6	0.2	-1.9

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)
BASE FOR SAMPLE PERCENTAGES IS RESPONDENTS WITH AGE NOT MISSING

TABLE 4: DISCREPANCY IN PERCENTAGE WHITE BETWEEN THE WEIGHTED* SAMPLE DATA AND POPULATION DATA BY STATE, 1997-1998

STATE	1997	1998	MEAN
District of Columbia	5.0	6.8	5.9
Alaska	-2.9	4.1	0.6
Indiana	-1.1	3.1	1.0
Hawaii	-0.4	0.9	0.2
New Mexico	0.0	0.5	0.3
Maine	0.1	0.5	0.3
Maryland	-5.1	0.5	-2.3
New Hampshire	0.2	0.3	0.2
Florida	-1.9	0.2	-0.8
Georgia	-1.4	0.0	-0.7
Idaho	0.1	-0.2	-0.0
Vermont	1.0	-0.3	0.4
Minnesota	-1.0	-0.3	-0.7
Rhode Island	-1.8	-0.3	-1.1
Colorado	-1.5	-0.4	-0.9
Iowa	-1.0	-0.4	-0.7
West Virginia	-1.3	-0.6	-0.9
Connecticut	-2.2	-0.6	-1.4
North Dakota	-0.8	-0.6	-0.7
Alabama	-2.7	-0.6	-1.7
Kentucky	-0.3	-0.7	-0.5
Montana	-0.8	-1.0	-0.9
Kansas	-0.6	-1.0	-0.8
Virginia	-3.0	-1.0	-2.0
Ohio	1.9	-1.1	0.4
Missouri	-0.0	-1.1	-0.5
Wisconsin	-0.8	-1.2	-1.0
Utah	-1.8	-1.3	-1.5
Massachusetts	-1.9	-1.4	-1.7
Wyoming	-0.4	-1.5	-0.9
Oregon	-0.4	-1.5	-1.0
Arkansas	-1.1	-1.7	-1.4
Texas	0.3	-1.8	-0.8
South Dakota	0.1	-1.8	-0.9
New Jersey	-3.4	-2.0	-2.7
Nebraska	-1.4	-2.1	-1.7
Pennsylvania	-1.2	-2.2	-1.7
Michigan	-1.9	-2.3	-2.1
North Carolina	0.8	-2.4	-0.8
Washington	-1.8	-2.6	-2.2
Tennessee	-1.2	-2.7	-1.9
Illinois	-3.4	-2.9	-3.1
New York	-2.7	-3.1	-2.9
Arizona	-4.2	-3.2	-3.7
Nevada	-1.5	-3.3	-2.4
Delaware	-1.8	-3.4	-2.6
Oklahoma	-3.3	-3.5	-3.4
Mississippi	-2.8	-4.8	-3.8

South Carolina	-1.3	-5.4	-3.4
California	-5.1	-5.5	-5.3
Louisiana	-3.7	-5.5	-4.6

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)
BASE FOR SAMPLE PERCENTAGES IS RESPONDENTS WITH WHITE, BLACK, ASIAN/PACIFIC ISLANDER, OR NATIVE AMERICAN/ALASKA NATIVE

TABLE 4b: DISCREPANCY IN PERCENTAGE WHITE BETWEEN THE WEIGHTED* SAMPLE DATA AND POPULATION DATA BY STATE, 1997-1998

Stem Leaf	#	Boxplot
6 8	1	*
5		
4 1	1	0
3 1	1	0
2		
1		
0 0235559	7	
-0 76666443332	11	+-----+
-1 8875543211000	13	*---+---*
-2 97643210	8	+-----+
-3 54321	5	
-4 8	1	
-5 554	3	

-----+-----+-----+-----+

N	51	75% Q3	-0.3
Mean	-1.2	50% Med	-1.1
Std Dev	2.2	25% Q1	-2.4

TABLE 5: DISCREPANCY IN PERCENTAGE BLACK BETWEEN THE WEIGHTED* SAMPLE DATA AND POPULATION DATA BY STATE, 1997-1998

STATE	1997	1998	MEAN
South Carolina	1.2	5.8	3.5
Louisiana	4.2	4.9	4.5
Mississippi	2.7	4.5	3.6
Michigan	3.0	3.4	3.2
New York	2.1	3.2	2.7
New Jersey	3.2	2.9	3.0
Illinois	3.1	2.8	3.0
Arkansas	2.4	2.6	2.5
Tennessee	0.9	2.5	1.7
Delaware	1.7	2.3	2.0
North Carolina	-0.7	2.1	0.7
Texas	0.8	2.0	1.4
Wisconsin	1.3	1.9	1.6
Pennsylvania	1.2	1.9	1.5
Nevada	0.9	1.8	1.3
Massachusetts	1.3	1.7	1.5
Hawaii	0.3	1.7	1.0
Alaska	1.1	1.5	1.3
Nebraska	1.1	1.4	1.2
Ohio	-1.8	1.1	-0.4
Oregon	0.6	1.1	0.8
Colorado	1.6	1.1	1.3
Connecticut	2.7	1.1	1.9
Washington	0.7	0.9	0.8
Alabama	3.0	0.9	2.0
California	2.4	0.9	1.6
Missouri	0.1	0.8	0.4
Arizona	1.6	0.7	1.1
Oklahoma	1.5	0.7	1.1
Kansas	-0.3	0.6	0.2
West Virginia	1.0	0.5	0.8
Wyoming	-0.1	0.4	0.2
Kentucky	-0.1	0.4	0.2
Rhode Island	1.1	0.3	0.7

Vermont	-0.2	0.3	0.1
Utah	0.4	0.3	0.4
Iowa	0.8	0.3	0.5
North Dakota	-0.1	0.2	0.1
Idaho	0.2	0.2	0.2
New Mexico	0.2	0.2	0.2
Montana	-0.1	0.1	-0.0
South Dakota	-0.3	-0.0	-0.2
New Hampshire	0.2	-0.1	0.0
Virginia	3.4	-0.1	1.6
Maine	-0.1	-0.3	-0.2
Minnesota	0.1	-0.6	-0.2
Florida	2.1	-0.7	0.7
Georgia	0.8	-0.9	-0.1
Maryland	3.9	-1.2	1.4
Indiana	2.0	-1.4	0.3
District of Columbia	-6.8	-8.5	-7.6

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM) BASE FOR SAMPLE PERCENTAGES IS RESPONDENTS WITH WHITE, BLACK, ASIAN/PACIFIC ISLANDER, OR NATIVE AMERICAN/ALASKA NATIVE

TABLE 5b: DISCREPANCY IN PERCENTAGE BLACK BETWEEN THE WEIGHTED* SAMPLE DATA AND POPULATION DATA BY STATE, 1997-1998

Stem Leaf	#	Boxplot
5 8	1	0
4 59	2	0
3 24	2	
2 0135689	7	
1 11114577899	11	+---+---+
0 122233334456778999	18	*-----*
-0 9763110	7	
-1 42	2	
-2		
-3		
-4		
-5		
-6		
-7		
-8 5	1	*
-----+-----+-----+-----+		
N	51	75% Q3 1.9
Mean	1.0	50% Med 0.9
Std Dev	2.0	25% Q1 0.2

TABLE 6: DISCREPANCY IN PERCENTAGE HISPANIC BETWEEN THE WEIGHTED* SAMPLE DATA AND POPULATION DATA BY STATE, 1997-1998

STATE	1997	1998	MEAN
Hawai i	8.1	9.3	8.7
Colorado	1.0	3.6	2.3
New Mexi co	2.4	2.7	2.6
Texas	2.1	2.5	2.3
Alabama	1.4	2.3	1.9
Louisiana	2.1	2.3	2.2
California	2.7	2.1	2.4
Oregon	-0.4	1.7	0.7
Arizona	-1.7	1.7	-0.0
Virginia	1.2	1.6	1.4
North Carolina	1.0	1.4	1.2
Mississippi	0.9	1.3	1.1
Florida	1.1	1.3	1.2
Kansas	1.3	1.3	1.3
Maine	0.6	1.2	0.9
West Virginia	1.2	1.1	1.2
Minnesota	1.1	1.1	1.1
Missouri	0.5	1.0	0.8
Illinois	1.5	1.0	1.2
South Carolina	1.0	1.0	1.0
Mntana	1.4	0.9	1.2
Indiana	0.9	0.9	0.9
Maryland	-0.9	0.8	-0.0
North Dakota	0.2	0.8	0.5
Alaska	1.2	0.7	1.0
New Hampshire	0.3	0.7	0.5
Tennessee	0.7	0.5	0.6
Iowa	0.6	0.5	0.5
Mi chi gan	0.7	0.5	0.6
Vermont	1.0	0.5	0.7
Wyomi ng	0.1	0.4	0.3
Ohio	0.2	0.4	0.3

Pennsylvania	0.1	0.4	0.2
Arkansas	2.0	0.4	1.2
Kentucky	-0.2	0.3	0.0
Georgia	0.3	0.2	0.2
South Dakota	1.6	0.1	0.9
Rhode Island	-2.3	0.1	-1.1
Oklahoma	0.3	-0.2	0.1
Connecticut	-0.2	-0.2	-0.2
Wisconsin	-0.0	-0.3	-0.1
Utah	0.8	-0.3	0.3
Washington	0.3	-0.4	-0.0
Massachusetts	-0.5	-0.5	-0.5
Delaware	-0.3	-0.7	-0.5
Nebraska	-0.3	-1.2	-0.8
Idaho	-0.6	-1.9	-1.2
New Jersey	-1.9	-2.0	-1.9
New York	-4.1	-3.1	-3.6
District of Columbia	-4.7	-3.2	-4.0
Nevada	-2.5	-3.3	-2.9

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)
 BASE FOR SAMPLE PERCENTAGES IS RESPONDENTS WITH HISPANIC ORIGIN NOT MISSING

TABLE 6b: DISCREPANCY IN PERCENTAGE HISPANIC BETWEEN THE WEIGHTED* SAMPLE DATA AND POPULATION DATA BY STATE, 1997-1998

Stem Leaf	#	Boxplot
9 3	1	*
8		
7		
6		
5		
4		
3 6	1	

2	13357	5	
1	0001123334677	13	+-----+
0	112344445555778899	18	*---+---*
-0	7543322	7	+-----+
-1	92	2	
-2	0	1	
-3	321	3	0

-----+

N	51	75% Q3	1.3
Mean	0.7	50% Med	0.7
Std Dev	1.9	25% Q1	-0.2

TABLE 7: PERCENT OF HISPANICS CODED OTHER RACE BY STATE, 1997-1998

STATE	1997	1998	MEAN
	HISPANICS RACE = OTHER %	HISPANICS RACE = OTHER %	
Arizona	27.5	54.9	41.2
Nevada	50.5	52.2	51.3
Nebraska	46.8	44.3	45.5
New York	21.2	42.1	31.6
Kansas	17.9	40.6	29.3
Connecticut	23.5	39.8	31.6
Massachusetts	33.3	39.8	36.6
Maryland	20.5	39.6	30.0
New Jersey	35.0	36.5	35.7
Virginia	15.4	35.0	25.2
New Mexico	54.3	34.1	44.2
Michigan	32.3	32.3	32.3
Oklahoma	27.8	31.7	29.7
Rhode Island	32.7	31.4	32.0
South Dakota	19.1	30.4	24.8
Texas	61.4	30.3	45.8
Pennsylvania	22.2	29.2	25.7
Ohio	17.1	29.1	23.1
Wyoming	43.9	26.2	35.1
Georgia	31.4	25.4	28.4
Minnesota	19.3	23.8	21.5
Colorado	37.6	23.3	30.4
Oregon	50.0	20.9	35.4
Missouri	37.5	20.0	28.8
Indiana	35.8	18.6	27.2
North Carolina	26.8	18.0	22.4
Hawaii	26.3	16.4	21.4
Idaho	41.8	16.4	29.1
Louisiana	21.4	16.0	18.7
Montana	13.6	15.9	14.8

New Hampshire	20.0	14.8	17.4
District of Columbia	17.1	14.5	15.8
Iowa	18.8	14.1	16.4
Wisconsin	35.1	14.0	24.5
Kentucky	15.4	13.8	14.6
South Carolina	33.3	13.1	23.2
Mississippi	15.4	12.0	13.7
Alabama	14.6	10.5	12.6
Illinois	0.4	10.5	5.5
Delaware	15.7	10.0	12.8
Tennessee	10.6	9.1	9.9
Utah	28.9	8.1	18.5
North Dakota	15.4	7.1	11.3
Washington	6.6	6.5	6.5
Alaska	7.6	6.3	7.0
California	0.0	5.4	2.7
Vermont	9.6	4.4	7.0
Arkansas	0.0	3.8	1.9
Florida	5.0	3.2	4.1
Maine	5.9	0.0	2.9
West Virginia	5.0	0.0	2.5

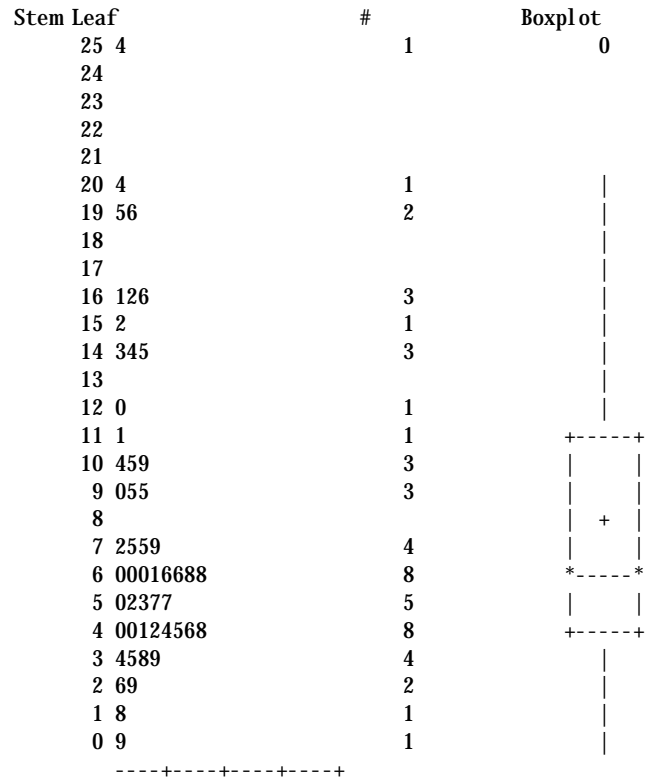
BASE FOR PERCENTAGES IS RESPONDENTS WITH HISPANIC ORIGIN EQUAL TO ONE

TABLE 8: PERCENT COMPLETED INTERVIEWS MISSING INCOME2 BY STATE, 1998

STATE	PERCENT*	Z-SCORE	N
Arizona	25.4	3.1	486
Oklahoma	20.4	2.2	512
Maryland	19.6	2.0	647
New York	19.5	2.0	492
Connecticut	16.6	1.5	520
Pennsylvania	16.2	1.4	583
Rhode Island	16.1	1.4	580
New Jersey	15.2	1.2	375
Tennessee	14.5	1.1	428
Massachusetts	14.4	1.1	710
South Carolina	14.3	1.1	471
Montana	12.0	0.6	216
Vermont	11.1	0.5	332
Kansas	10.9	0.4	415
Arkansas	10.5	0.4	315
North Carolina	10.4	0.4	250
Delaware	9.5	0.2	246
Washington	9.5	0.2	341
Kentucky	9.0	0.1	334
Ohio	7.9	-0.1	235
West Virginia	7.5	-0.2	182
Nebraska	7.5	-0.2	203
Missouri	7.2	-0.2	267
Florida	6.8	-0.3	322
Indiana	6.8	-0.3	165
Michigan	6.6	-0.3	168
New Hampshire	6.6	-0.3	99
Virginia	6.1	-0.4	214
Louisiana	6.0	-0.4	100
South Dakota	6.0	-0.4	127
Hawaii	6.0	-0.5	129
Maine	5.7	-0.5	92
Nevada	5.7	-0.5	112
Alabama	5.3	-0.6	119
Illinois	5.2	-0.6	150
Mississippi	5.0	-0.6	116
Iowa	4.8	-0.7	177
Utah	4.6	-0.7	132
Georgia	4.5	-0.7	107
Wisconsin	4.4	-0.7	98
New Mexico	4.2	-0.8	151
California	4.1	-0.8	171
Oregon	4.0	-0.8	73
Idaho	4.0	-0.8	196
Colorado	3.9	-0.8	71
Texas	3.8	-0.9	226
Wyoming	3.5	-0.9	86
Alaska	3.4	-0.9	68
North Dakota	2.9	-1.0	53
Minnesota	2.6	-1.1	108
District of Columbia	1.8	-1.2	26
Puerto Rico	0.9	-1.4	25

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)

TABLE 8b: PERCENT COMPLETED INTERVIEWS MISSING INCOME2 BY STATE, 1998



N	52	75% Q3	11.0
Mean	8.5	50% Med	6.6
Std Dev	5.7	25% Q1	4.5

TABLE 9: PERCENT COMPLETED INTERVIEWS MISSING AGE BY STATE, 1998

STATE	PERCENT*	Z-SCORE	N
New York	1.5	3.2	38
Connecticut	1.5	3.2	47
Massachusetts	1.2	2.3	60
New Jersey	1.1	1.9	26
Vermont	1.0	1.6	29
Rhode Island	0.8	1.1	29
Pennsylvania	0.8	1.1	28
New Hampshire	0.7	0.9	11
Arkansas	0.7	0.7	20
Virginia	0.6	0.6	22
Louisiana	0.6	0.6	10
Kansas	0.6	0.5	22
District of Columbia	0.6	0.4	8
Tennessee	0.5	0.4	16
Hawaii	0.5	0.3	11
South Carolina	0.5	0.2	16
Maryland	0.5	0.2	16
Utah	0.4	0.0	12
Alaska	0.4	-0.0	8
South Dakota	0.4	-0.1	8
North Carolina	0.4	-0.1	9
Colorado	0.3	-0.2	6
Nebraska	0.3	-0.2	9
Alabama	0.3	-0.3	7
Georgia	0.3	-0.3	7
West Virginia	0.3	-0.3	7
Indiana	0.3	-0.3	7
Michigan	0.3	-0.4	7
Wisconsin	0.3	-0.4	6
Missouri	0.3	-0.4	10
Texas	0.3	-0.5	15
Maine	0.2	-0.5	4
Florida	0.2	-0.5	11
Idaho	0.2	-0.5	11
Mississippi	0.2	-0.5	5
Arizona	0.2	-0.6	4
Nevada	0.2	-0.6	4
Ohio	0.2	-0.6	6
Oklahoma	0.2	-0.6	5

New Mexico	0.2	-0.6	7
Mntana	0.2	-0.7	3
Oregon	0.2	-0.7	3
Illinois	0.1	-0.8	4
Washington	0.1	-0.8	5
Iowa	0.1	-0.8	5
Wyoming	0.1	-0.8	3
Kentucky	0.1	-0.9	4
Puerto Rico	0.1	-1.0	2
Minnesota	0.0	-1.0	2
Delaware	0.0	-1.1	1
California	0.0	-1.2	0
North Dakota	0.0	-1.2	0

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)

TABLE 9b: PERCENT COMPLETED INTERVIEWS MISSING AGE BY STATE, 1998

Stem Leaf	#	Boxplot
15 00	2	0
14		
13		
12 1	1	0
11		
10 5	1	
9 7	1	
8 0	1	
7 38	2	
6 037	3	
5 1458	4	+-----+
4 0289	4	+
3 013388	6	
2 00012235577899	14	*-----*
1 12444679	8	
0 00457	5	

N	52	75% Q3	0.5
Mean	0.4	50% Med	0.3
Std Dev	0.3	25% Med	0.2

TABLE 10: PERCENT COMPLETED INTERVIEWS MISSING EDUCATION BY STATE, 1998

STATE	PERCENT*	Z-SCORE	N
Arkansas	1.4	4.7	41
Connecticut	0.7	1.7	21
North Carolina	0.6	1.5	15
Maryland	0.6	1.3	19
New York	0.6	1.2	14
Ohio	0.5	1.1	16
New Jersey	0.5	1.1	13
Massachusetts	0.5	1.1	26
Nebraska	0.5	1.1	14
New Hampshire	0.5	0.8	7
Kansas	0.4	0.5	15
Pennsylvania	0.4	0.5	14
Tennessee	0.4	0.4	11
Mississippi	0.3	0.3	8
Vermont	0.3	0.3	10
Washington	0.3	0.3	12
Virginia	0.3	0.2	11
Arizona	0.3	0.2	6
California	0.3	0.1	12
Rhode Island	0.3	0.0	10
District of Columbia	0.3	0.0	4
Georgia	0.3	-0.1	6
Alaska	0.3	-0.1	5
Kentucky	0.2	-0.1	9
Oklahoma	0.2	-0.1	6
Indiana	0.2	-0.3	5
Florida	0.2	-0.3	9
South Dakota	0.2	-0.4	4
Maine	0.2	-0.4	3
South Carolina	0.2	-0.4	6
Wisconsin	0.2	-0.4	4
Alabama	0.2	-0.4	4
Utah	0.2	-0.4	5
Iowa	0.2	-0.5	6
Michigan	0.2	-0.5	4
Nevada	0.2	-0.5	3
Puerto Rico	0.1	-0.6	4
West Virginia	0.1	-0.6	3
Minnesota	0.1	-0.7	5
Delaware	0.1	-0.7	3
Hawaii	0.1	-0.8	2
Wyoming	0.1	-0.8	2
Idaho	0.1	-0.8	4
Missouri	0.1	-0.8	3
Illinois	0.1	-0.9	2
Louisiana	0.1	-0.9	1
Montana	0.1	-0.9	1
New Mexico	0.1	-0.9	2
North Dakota	0.1	-0.9	1
Texas	0.0	-1.0	2
Colorado	0.0	-1.2	0
Oregon	0.0	-1.2	0

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)

TABLE 10b: PERCENT COMPLETED INTERVIEWS MISSING EDUCATION BY STATE, 1998

Stem Leaf	#	Boxplot
13 7	1	*
12		
11		
10		
9		
8		
7		
6 27	2	
5 233458	6	
4 7	1	
3 11335799	8	+-----+
2 14455889	8	*---*---
1 22245668888999	14	+-----+
0 003666678889	12	
-----+		

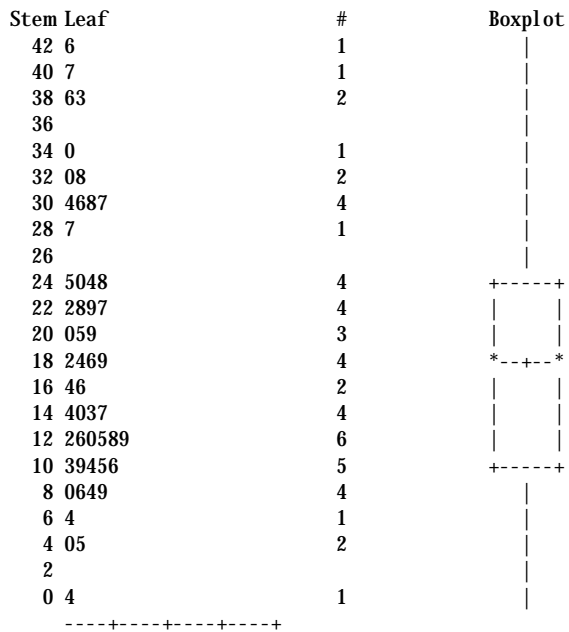
N	52	75% Q3	0.4
Mean	0.3	50% Med	0.2
Std Dev	0.2	25% Q1	0.1

TABLE 11: PERCENT COMPLETED INTERVIEWS MISSING WEIGHT BY STATE, 1998

STATE	PERCENT*	Z-SCORE	N
New Jersey	4.3	2.3	105
Massachusetts	4.1	2.1	201
Connecticut	3.9	1.9	123
Arkansas	3.9	1.9	116
Kansas	3.5	1.5	133
Washington	3.4	1.4	122
New York	3.2	1.2	81
Vermont	3.2	1.2	95
Rhode Island	3.1	1.1	111
Pennsylvania	3.1	1.1	110
North Carolina	3.0	1.1	73
Ohio	2.9	0.9	86
South Carolina	2.6	0.6	85
New Hampshire	2.5	0.6	38
Oklahoma	2.5	0.5	63
Tennessee	2.4	0.5	72
Nevada	2.4	0.4	47
Maine	2.3	0.3	37
Nebraska	2.3	0.3	62
Montana	2.2	0.2	40
Maryland	2.1	0.1	69
Louisiana	2.1	0.1	34
Virginia	2.0	0.0	70
Mississippi	2.0	0.0	46
Kentucky	2.0	-0.0	73
Delaware	1.9	-0.0	50
Alabama	1.8	-0.2	41
Alaska	1.8	-0.2	35
Michigan	1.7	-0.2	44
Utah	1.6	-0.4	45
West Virginia	1.5	-0.4	37
Florida	1.5	-0.5	71
California	1.4	-0.5	60
Georgia	1.4	-0.6	33
Idaho	1.4	-0.6	68
Illinois	1.4	-0.6	39
Arizona	1.3	-0.7	25
Missouri	1.3	-0.7	47
North Dakota	1.2	-0.8	22
Oregon	1.2	-0.8	21
Iowa	1.1	-0.8	42
South Dakota	1.1	-0.8	24
Minnesota	1.1	-0.9	46
Indiana	1.0	-0.9	25
Wyoming	1.0	-1.0	24
New Mexico	0.9	-1.0	34
Wisconsin	0.9	-1.1	19
Texas	0.8	-1.2	48
Hawaii	0.7	-1.2	16
District of Columbia	0.6	-1.4	8
Colorado	0.5	-1.5	9
Puerto Rico	0.0	-1.9	1

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBER BY STRATUM)

TABLE 11b: PERCENT COMPLETED INTERVIEWS MISSING WEIGHT BY STATE, 1998



N	52	75% Q3	2.6
Mean	2.0	50% Med	1.9
Std Dev	1.0	25% Q1	1.2

TABLE 12: PERCENT COMPLETED INTERVIEWS MISSING ORACE (ORIGINAL RACE) BY STATE, 1998

STATE	PERCENT*	Z-SCORE	N
Ohio	0.7	4.1	21
District of Columbia	0.6	3.1	8
New Hampshire	0.5	3.0	8
Michigan	0.5	2.6	12
Mississippi	0.2	1.0	5
Utah	0.2	0.9	6
Alabama	0.2	0.7	4
Louisiana	0.1	0.4	2
Iowa	0.1	0.3	4
Kentucky	0.1	0.3	4
West Virginia	0.1	0.1	2
Alaska	0.0	-0.4	0
Arizona	0.0	-0.4	0
Arkansas	0.0	-0.4	0
California	0.0	-0.4	0
Colorado	0.0	-0.4	0
Connecticut	0.0	-0.4	0
Delaware	0.0	-0.4	0
Florida	0.0	-0.4	0
Georgia	0.0	-0.4	0
Hawaii	0.0	-0.4	0
Idaho	0.0	-0.4	0
Illinois	0.0	-0.4	0
Indiana	0.0	-0.4	0
Kansas	0.0	-0.4	0
Maine	0.0	-0.4	0
Maryland	0.0	-0.4	0
Massachusetts	0.0	-0.4	0
Minnesota	0.0	-0.4	0
Missouri	0.0	-0.4	0
Montana	0.0	-0.4	0
Nebraska	0.0	-0.4	0
Nevada	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 Carolina	0.0	-0.4	0
North Dakota	0.0	-0.4	0
Oklahoma	0.0	-0.4	0
Oregon	0.0	-0.4	0
Pennsylvania	0.0	-0.4	0
Puerto Rico	0.0	-0.4	0
Rhode Island	0.0	-0.4	0
South Carolina	0.0	-0.4	0
South Dakota	0.0	-0.4	0
Tennessee	0.0	-0.4	0
Texas	0.0	-0.4	0
Vermont	0.0	-0.4	0
Virginia	0.0	-0.4	0
Washington	0.0	-0.4	0
Wisconsin	0.0	-0.4	0
Wyoming	0.0	-0.4	0

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)

TABLE 12b: PERCENT COMPLETED INTERVIEWS MISSING ORACE (ORIGINAL RACE) BY STATE, 1998

Stem Leaf	#	Boxplot
7 0	1	*
6		
6		
5 5	1	*
5 3	1	*
4 7	1	*
4		
3		
3		
2		
2 12	2	*
1 8	1	*
1 112	3	*
0 8	1	*
0 000	41	+-----+

-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+

N	52	75% Q3	0
Mean	0.1	50% Med	0
Std Dev	0.2	25% Q1	0

TABLE 13: PERCENT COMPLETED INTERVIEWS MISSING NUMHOLD BY STATE, 1998

STATE	PERCENT*	Z-SCORE	N
Arkansas	1.8	4.1	54
California	1.2	2.4	49
North Carolina	1.0	2.0	25
Mississippi	1.0	1.7	22
Michigan	0.8	1.3	20
Kansas	0.7	1.0	27
Massachusetts	0.6	0.9	32
New York	0.6	0.8	16
New Jersey	0.6	0.8	15
Connecticut	0.6	0.7	18
Ohio	0.6	0.6	17
New Hampshire	0.5	0.6	8
Maryland	0.5	0.5	17
Alaska	0.5	0.5	10
Pennsylvania	0.5	0.5	18
Georgia	0.5	0.4	11
Indiana	0.5	0.3	11
Rhode Island	0.4	0.3	16
New Mexico	0.4	0.2	15
Vermont	0.4	0.2	12
Washington	0.4	0.1	14
Tennessee	0.4	0.1	11
South Carolina	0.4	0.1	12
Wisconsin	0.3	-0.1	7
Florida	0.2	-0.4	9
Maine	0.2	-0.4	3
Nebraska	0.2	-0.4	5
Colorado	0.2	-0.5	3
West Virginia	0.2	-0.5	4
Kentucky	0.2	-0.5	6
South Dakota	0.1	-0.5	3
Utah	0.1	-0.5	4
Alabama	0.1	-0.6	3
Iowa	0.1	-0.6	4
Nevada	0.1	-0.7	2
District of Columbia	0.1	-0.7	1
Illinois	0.1	-0.7	2
Louisiana	0.1	-0.8	1
Virginia	0.1	-0.8	2
Montana	0.1	-0.8	1
North Dakota	0.1	-0.8	1
Missouri	0.1	-0.8	2
Hawaii	0.0	-0.8	1
Wyoming	0.0	-0.8	1
Oklahoma	0.0	-0.8	1
Delaware	0.0	-0.8	1
Minnesota	0.0	-0.9	1
Idaho	0.0	-0.9	1
Arizona	0.0	-0.9	0
Oregon	0.0	-0.9	0
Puerto Rico	0.0	-0.9	0
Texas	0.0	-0.9	0

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)

TABLE 13b: PERCENT COMPLETED INTERVIEWS MISSING NUMHOLD BY STATE, 1998

Stem Leaf	#	Boxplot
18 0	1	0
17		
16		
15		
14		
13		
12		
11 8	1	
10 4	1	
9 5	1	
8		
7 19	2	
6 135	3	
5 002378	6	+-----+
4 01456	5	
3 2679	4	
2		
1 01344677899	11	*-----*
0 00002244455666677	17	+-----+
-----+-----+-----+		

N	52	75% Q3	0.5
Mean	0.3	50% Med	0.2
Std Dev	0.4	25% Q1	0.1

TABLE 14: PERCENT COMPLETED INTERVIEWS MISSING NUMPHONS BY STATE, 1998

STATE	PERCENT*	Z-SCORE	N
Vermont	2.0	2.9	6
Michigan	1.9	2.7	8
Indiana	1.6	2.1	4
Washington	1.4	1.7	9
New Mexico	1.2	1.5	5
Puerto Rico	1.2	1.3	1
Maryland	1.1	1.2	8
Alaska	1.0	1.1	4
Pennsylvania	1.0	1.0	5
Alabama	0.9	0.9	3
Arkansas	0.9	0.8	3
Kansas	0.8	0.7	4
Connecticut	0.8	0.6	4
Hawaii	0.8	0.5	2
South Carolina	0.8	0.5	3
Georgia	0.8	0.5	3
Massachusetts	0.8	0.5	6
New Jersey	0.7	0.4	5
North Dakota	0.7	0.3	1
Florida	0.5	0.0	4
Rhode Island	0.5	-0.0	2
Oregon	0.5	-0.1	1
Louisiana	0.4	-0.2	1
Texas	0.4	-0.2	4
Wisconsin	0.4	-0.2	1
Utah	0.4	-0.3	2
Idaho	0.4	-0.3	2
Virginia	0.3	-0.3	2
Tennessee	0.3	-0.3	1
Delaware	0.3	-0.4	1
New York	0.3	-0.4	1
Nevada	0.2	-0.5	1
Illinois	0.2	-0.5	1
California	0.1	-0.7	1
Arizona	0.0	-0.9	0
Colorado	0.0	-0.9	0
District of Columbia	0.0	-0.9	0
Iowa	0.0	-0.9	0
Kentucky	0.0	-0.9	0
Maine	0.0	-0.9	0
Minnesota	0.0	-0.9	0
Mississippi	0.0	-0.9	0
Missouri	0.0	-0.9	0
Montana	0.0	-0.9	0
Nebraska	0.0	-0.9	0
New Hampshire	0.0	-0.9	0
North Carolina	0.0	-0.9	0
Ohio	0.0	-0.9	0
Oklahoma	0.0	-0.9	0
South Dakota	0.0	-0.9	0
West Virginia	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 14b: PERCENT COMPLETED INTERVIEWS MISSING NUMPHONS BY STATE, 1998

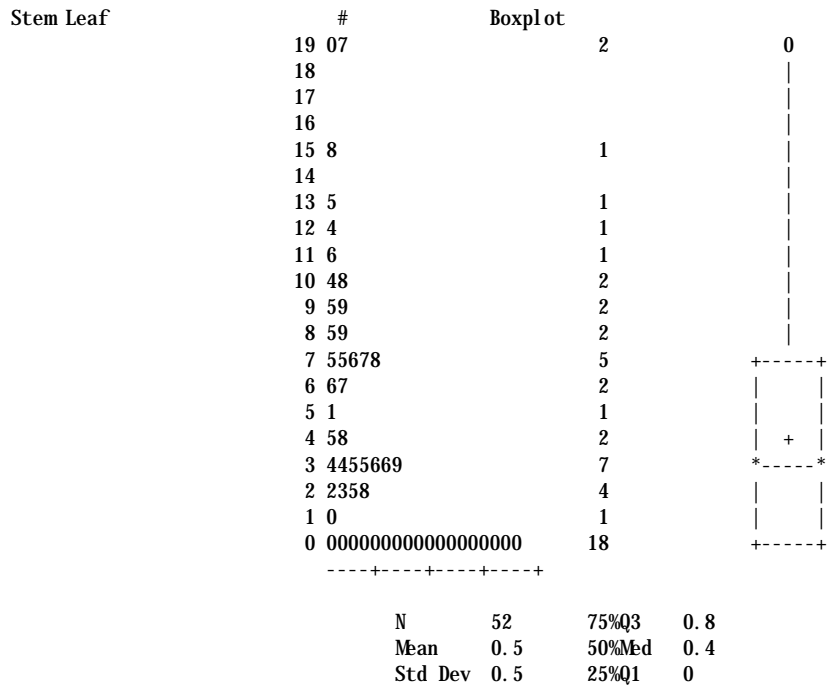


TABLE 15: PERCENT COMPLETED INTERVIEWS MISSING GETHIV BY STATE, 1998

STATE	PERCENT*	Z-SCORE	N
Arkansas	5.1	3.8	119
New Hampshire	3.8	2.5	46
Tennessee	3.2	1.9	75
Connecticut	2.8	1.6	70
New York	2.7	1.5	55
New Jersey	2.3	1.2	47
North Carolina	2.3	1.2	44
Kansas	2.2	1.0	62
Massachusetts	2.1	0.9	86
Nebraska	2.0	0.9	40
Rhode Island	1.9	0.8	56
Iowa	1.7	0.6	49
Kentucky	1.5	0.4	45
Mississippi	1.5	0.3	27
Colorado	1.4	0.3	22
Pennsylvania	1.2	0.0	34
Florida	1.2	0.0	41
Alaska	1.2	0.0	21
Vermont	1.2	0.0	28
Georgia	1.1	-0.1	22
South Carolina	1.1	-0.1	30
South Dakota	1.0	-0.1	16
New Mexico	1.0	-0.1	30
Washington	1.0	-0.2	30
Ohio	1.0	-0.2	22
Maine	1.0	-0.2	12
Maryland	0.8	-0.4	21
Virginia	0.7	-0.4	21
Alabama	0.7	-0.5	12
Wisconsin	0.7	-0.5	12
Hawaii	0.6	-0.5	11
Missouri	0.6	-0.6	16
Indiana	0.6	-0.6	11
West Virginia	0.5	-0.6	10
Michigan	0.5	-0.6	11
District of Columbia	0.5	-0.6	6
Illinois	0.5	-0.6	12
Delaware	0.4	-0.7	9
North Dakota	0.4	-0.7	6
Montana	0.4	-0.7	6
Utah	0.4	-0.7	10
Louisiana	0.4	-0.8	5
Nevada	0.4	-0.8	6
Minnesota	0.3	-0.8	10
Oregon	0.3	-0.9	4
Texas	0.2	-0.9	12
Wyoming	0.1	-1.0	3
Oklahoma	0.1	-1.0	2
Puerto Rico	0.1	-1.0	2
Idaho	0.1	-1.0	3
Arizona	0.1	-1.1	1

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)

TABLE 15b: PERCENT COMPLETED INTERVIEWS MISSING GETHIV BY STATE, 1998

Stem Leaf	#	Boxplot
5 1	1	*
4		
4		
3 8	1	0
3 2	1	
2 78	2	
2 01233	5	
1 5579	4	+-----+
1 000001122224	12	*-----*
0 55556667778	11	
0 11111233444444	14	+-----+
-----+		
N	51	75%Q3 1.5
Mean	1.2	50%Med 1.0
Std Dev	1.0	25%Q1 0.4

TABLE 16: PERCENT COMPLETED INTERVIEWS MISSING HADPAP BY STATE, 1998

STATE	PERCENT*	Z-SCORE	N
New Hampshire	3.3	3.4	29
Arkansas	3.1	3.1	58
Connecticut	2.0	1.7	37
Massachusetts	1.9	1.6	57
Kansas	1.6	1.2	38
Iowa	1.6	1.2	36
California	1.6	1.1	37
North Carolina	1.6	1.0	23
Pennsylvania	1.5	1.0	33
New Jersey	1.5	1.0	22
New York	1.4	0.8	20
Nebraska	1.3	0.7	22
Vermont	1.3	0.7	22
Mississippi	1.1	0.5	16
Rhode Island	1.1	0.4	23
Kentucky	1.0	0.3	24
Ohio	1.0	0.3	18
Colorado	0.8	0.0	8
Maryland	0.8	0.0	16
Tennessee	0.8	0.0	15
Indiana	0.8	-0.0	11
Missouri	0.7	-0.1	16
South Carolina	0.7	-0.1	13
Georgia	0.7	-0.1	10
South Dakota	0.7	-0.1	8
Michigan	0.5	-0.3	8
Washington	0.5	-0.4	10
Wisconsin	0.5	-0.4	6
Alaska	0.5	-0.4	5
Alabama	0.4	-0.5	6
Florida	0.4	-0.5	11
New Mexico	0.4	-0.5	8
District of Columbia	0.3	-0.6	3

Maine	0.3	-0.6	3
Utah	0.3	-0.6	5
Louisiana	0.3	-0.6	3
Virginia	0.3	-0.6	6
Nevada	0.3	-0.7	3
West Virginia	0.3	-0.7	4
Montana	0.2	-0.8	2
Delaware	0.2	-0.8	3
Arizona	0.2	-0.8	2
Illinois	0.2	-0.8	3
Oregon	0.1	-0.9	1
Minnesota	0.1	-0.9	2
Hawaii	0.1	-0.9	1
Idaho	0.0	-1.0	1
North Dakota	0.0	-1.0	0
Oklahoma	0.0	-1.0	0
Puerto Rico	0.0	-1.0	0
Texas	0.0	-1.0	0
Wyoming	0.0	-1.0	0

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)

TABLE 16b: PERCENT COMPLETED INTERVIEWS MISSING HADPAP BY STATE, 1998

Stem Leaf	#	Boxplot
32 8	1	0
30 2	1	0
28		
26		
24		
22		
20 1	1	
18 5	1	
16 34	2	

14	1258	4
12	836	3
10	0251	4
8	01	2
6	788078	6
4	17903	5
2	0780012399	10
0	000004899889	12

-----+-----+-----+-----+

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      |
+-----+
|       |
|       |
|   +   |
+-----+
*-----*
+-----+
      |

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N	52	75%Q3	1.2
Mean	0.8	50%Med	0.5
Std Dev	0.7	25%Q1	0.2

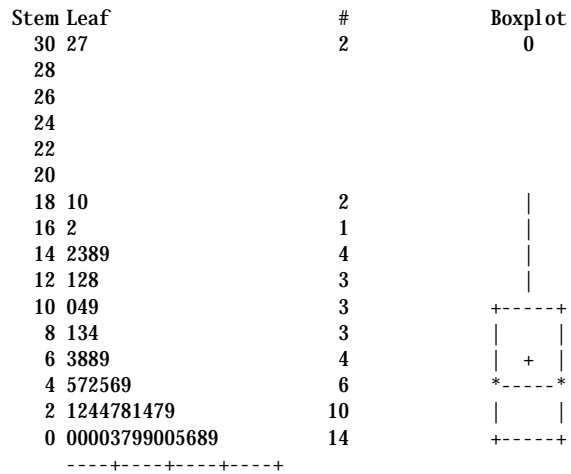
TABLE 17: PERCENT COMPLETED INTERVIEWS MISSING PROFEXAM BY STATE, 1998

STATE		PERCENT*	Z-SCORE	N
New Hampshire	3.2	3.4		28
Arkansas	3.1	3.3		58
Connecticut	1.9	1.6		35
Massachusetts	1.8	1.5		53
California	1.6	1.3		38
Iowa	1.6	1.2		35
New Jersey	1.6	1.2		23
Pennsylvania	1.4	1.0		31
Kansas	1.4	1.0		33
North Carolina	1.3	0.8		19
Vermont	1.2	0.7		21
Nebraska	1.2	0.7		20
New York	1.1	0.5		16
Mississippi	1.0	0.5		15
Rhode Island	1.0	0.4		22
Ohio	0.9	0.3		17
Kentucky	0.9	0.3		22
Colorado	0.9	0.3		9
Missouri	0.8	0.1		18
Tennessee	0.7	-0.1		13
Georgia	0.7	-0.1		10
Indiana	0.6	-0.1		9
South Dakota	0.6	-0.2		7
Alaska	0.6	-0.2		6
Maryland	0.6	-0.2		11
South Carolina	0.5	-0.3		10
Michigan	0.5	-0.3		7
Washington	0.4	-0.4		9
New Mexico	0.4	-0.5		8
Nevada	0.4	-0.5		4
West Virginia	0.3	-0.5		5
Utah	0.3	-0.6		5
Florida	0.3	-0.6		8
Alabama	0.3	-0.6		4
Wisconsin	0.2	-0.6		3
Illinois	0.2	-0.7		4
District of Columbia	0.2	-0.7		2
Maine	0.2	-0.7		2
Delaware	0.2	-0.7		3
Arizona	0.2	-0.7		2
Hawaii	0.2	-0.8		2
Virginia	0.1	-0.8		3
Louisiana	0.1	-0.9		1
Montana	0.1	-0.9		1
Oregon	0.1	-0.9		1
Minnesota	0.1	-0.9		2
Wyoming	0.1	-0.9		1
Texas	0.0	-0.9		1
Idaho	0.0	-1.0		0
North Dakota	0.0	-1.0		0

Oklahoma	0.0	-1.0	0
Puerto Rico	0.0	-1.0	0

* WEIGHTED PROBABILITY OF SELECTION (NUMBER OF PHONES, NUMBER OF ADULTS, AND SELECTION OF TELEPHONE NUMBERS BY STRATUM)

TABLE 17b: PERCENT COMPLETED INTERVIEWS MISSING PROFEXAM BY STATE, 1998



N	52	75%Q3	1.1
Mean	0.7	50%Med	0.5
Std Dev	0.7	25%Q1	0.2

TABLE 18: PERCENT COMPLETED INTERVIEWS MISSING HADMAM BY STATE, 1998

STATE	PERCENT*	Z-SCORE	N
New Hampshire	3.1	3.6	27
Arkansas	3.0	3.5	56
Iowa	1.6	1.4	35
Connecticut	1.6	1.4	29
California	1.5	1.3	35
Massachusetts	1.4	1.2	42
North Carolina	1.3	1.0	19
Pennsylvania	1.2	0.9	27
New Jersey	1.2	0.9	18
Kansas	1.2	0.9	28
Vermont	1.0	0.6	17
Mississippi	0.9	0.4	13
New York	0.9	0.4	13
Kentucky	0.8	0.4	20
Nebraska	0.8	0.4	14
Ohio	0.8	0.3	15
Colorado	0.8	0.3	8
Tennessee	0.7	0.1	13
Rhode Island	0.6	0.1	14
Georgia	0.6	0.0	9
Indiana	0.6	-0.1	8
Missouri	0.5	-0.1	12
Maryland	0.5	-0.2	9
South Dakota	0.4	-0.3	5
South Carolina	0.4	-0.3	8
Washington	0.4	-0.3	8
Alaska	0.4	-0.3	4
Florida	0.3	-0.5	8
Nevada	0.3	-0.5	3
West Virginia	0.3	-0.5	4
Utah	0.2	-0.5	4
Illinois	0.2	-0.5	4
Alabama	0.2	-0.6	3
Michigan	0.2	-0.6	3
New Mexico	0.2	-0.6	4
Wisconsin	0.2	-0.6	2
Delaware	0.1	-0.7	2
District of Columbia	0.1	-0.7	1
Maine	0.1	-0.7	1
Louisiana	0.1	-0.7	1
Virginia	0.1	-0.7	2
Oregon	0.1	-0.7	1
Minnesota	0.1	-0.7	2
Arizona	0.0	-0.9	0
Hawaii	0.0	-0.9	0
Idaho	0.0	-0.9	0
Montana	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
Texas	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 18b: PERCENT COMPLETED INTERVIEWS MISSING HADMAM BY STATE, 1998

Stem Leaf	#	Boxplot
30 26	2	0
28		
26		
24		
22		
20		
18		
16		
14 4079	4	
12 1448	4	
10		
8 1345809	7	+-----+
6 148	3	+
4 022526	6	
2 00457888	8	*-----*
0 00000000990011369	18	+-----+
-----+-----+-----+		
N	52	75%Q3 0.9
Mean	0.6	50%Med 0.4
Std Dev	0.7	25%Q1 0.1