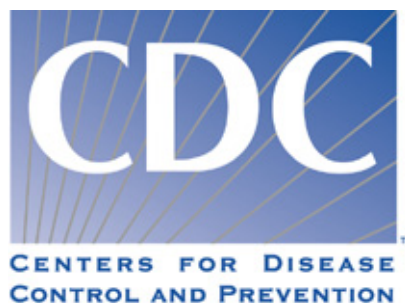




1991 BRFSS SUMMARY QUALITY CONTROL REPORT



**BEHAVIORAL RISK FACTOR SURVEILLANCE SYSTEM
QUALITY CONTROL DOCUMENTATION**

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 are useful for program management. The formulas for each, translated into BRFSS call disposition codes, 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 [04] and busy (10)) to dispositions representing eligible respondents in the same proportion as exists among calls of known status (all other BRFSS call dispositions). The resulting estimate reflects telephone sampling efficiency and the degree of cooperation among eligibles contacted.

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

Upper Bound: The most liberal of response rate formulas, the upper bound calculation includes only refusals (02s), terminations (09s), and completed interviews 01s. The resulting estimate reflects the cooperation of eligibles contacted and is not affected by differences in telephone sampling efficiency.

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

Because the rules of replacement are disregarded during wind-down interviewing (see page 3), total response rates for a survey period will not accurately reflect performance under the rules of replacement during regular mode interviewing. Therefore, the 1991 and 1992 response rate estimates included in this report have been calculated using only the records dispositioned during regular mode interviewing. Response rate estimates calculated for previous years included wind-down records.

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.

$$\frac{01}{\text{Total Telephone Numbers Used}}$$

Percent 01s on Day One: The objective for completed interviews on the first day of the interviewing period is 33% of the total sample. This percentage reflects the degree of success reaching the telephones in the sample. When using Waksberg cluster sampling, 33% of the telephone numbers have been identified as private residences through prescreening, thus the goal of 33%. A broader objective, directly related to this, is to strive to call, at least once, all available numbers on each interview

occasion, including the first. The number and percentage of completes by interviewing date are included in the monthly quality control reports prepared by CDC.

Wind-Down: In order to terminate data collection activities within the allotted time period each month, wind-down procedures (i.e., suspension of the rules of replacement) are permitted once 95 percent 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 completing in wind-down mode, the greater the potential is for bias in the survey results. This is because data collected during wind-down is 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.

Respondent Sex Distribution: The standard sex distribution within a population is approximately 52 percent female and 48 percent male. Survey samples with a respondent sex distribution that differs substantially from the norm may produce biased estimates of risk factor prevalences.

Substantially skewed sex distributions suggest that interviewing staff may not be adhering to respondent selection procedures. Sex distribution percentages are included in the monthly quality control reports prepared by CDC.

Refused Interview: The percentage of refusals (02s) of total dispositions in a given interviewing period is an indicator of both interviewer performance and degree of potential bias in the survey data. Ten percent' refusals or less in any given survey is a generally accepted standard.

Ring-No-Answer: The percentage of ring-no-answers (04s) reflects how many attempts are made and with what time variation on unanswered phone numbers. The objective for 04s is 10%' or less of total dispositions. States that exceed this percentage may not be following prescribed survey procedures.

No Eligible Respondent Could be Reached During Interview Period: This disposition (07) is used most often in wind-down and is therefore reflective of the proportion of calling done during wind-down. It also reflects the diligence of efforts to contact eligibles whose availability is limited. The objective for 07s is 3%' or less of total dispositions. Those states that exceed this percentage may need to extend their interviewing period.

Line Busy: This disposition (10) should be infrequent. The objective is 0.3%' or less. A higher percentage than 0.3 may indicate that survey guidelines are not being fully adhered to.

Because this percentage *is* affected by the efficiency of the sampling methodology (i.e., the number of 03 [nonworking] and 05 [nonresidential] dispositions that occur), comparisons between surveys with different sampling methods may not be meaningful. However, for a particular survey, month-to-month and year-to-year changes in this percentage are important to monitor.

BRFSS CALL DISPOSITION CODES

- 01 - Completed interview
- 02 - Refused interview
- 03 - Nonworking number
- 04 - Ring-no-answer
- 05 - Business phone
- 06 - No eligible respondent at this number
- 07 - No eligible respondent available during interviewing period
- 08 - Language barrier
- 09 - Interview terminated
- 10 - Busy
- 11 - Respondent unable to communicate due to physical or mental impairment

**BRFSS CALL DISPOSITIONS
FREQUENCY DISTRIBUTION BY STATE, 1991**

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	1534	29.4	212	4.1	2242	43.0	455	8.7	492	9.4	12	0.2	195	3.7	18	0.3	8	0.2	33	0.6	14	0.3	5215	
AL*	1969	20.0	136	1.4	1563	15.9	4410	44.9	847	8.6	16	0.2	33	0.3	16	0.2	11	0.1	732	7.4	93	0.9	9826	
AR	1332	40.3	330	10.0	725	21.9	313	9.5	384	11.6	14	0.4	98	3.0	7	0.2	7	0.2	14	0.4	83	2.5	3307	
AZ	1520	32.1	355	7.5	1474	31.1	337	7.1	625	13.2	50	1.1	241	5.1	13	0.3	9	0.2	6	0.1	107	2.3	4737	
CA	3010	32.6	737	8.0	2111	22.9	1287	13.9	1186	12.9	22	0.2	450	4.9	187	2.0	52	0.6	57	0.6	128	1.4	9227	
CO	1800	45.5	248	6.3	862	21.8	174	4.4	639	16.2	20	0.5	148	3.7	13	0.3	5	0.1	1	0.0	43	1.1	3953	
CT	1790	28.2	432	6.8	1826	28.8	1037	16.3	746	11.8	66	1.0	160	2.5	94	1.5	1	0.0	55	0.9	139	2.2	6346	
DC	1493	19.9	360	4.8	3123	41.7	914	12.2	1049	14.0	35	0.5	196	2.6	94	1.3	2	0.0	12	0.2	210	2.8	7488	
DE	1512	35.8	116	2.7	977	23.1	667	15.8	585	13.9	69	1.6	166	3.9	15	0.4	4	0.1	5	0.1	106	2.5	4222	
FL*	2245	20.0	455	4.1	1632	14.5	5270	46.9	738	6.6	112	1.0	246	2.2	43	0.4	25	0.2	362	3.2	99	0.9	11227	
GA	1804	39.8	252	5.6	1265	27.9	418	9.2	482	10.6	12	0.3	256	5.6	10	0.2	0	0.0	21	0.5	11	0.2	4531	
HI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IA	1509	45.8	187	5.7	785	23.8	195	5.9	244	7.4	3	0.1	302	9.2	8	0.2	3	0.1	11	0.3	46	1.4	3293	
ID	1776	43.1	102	2.5	860	20.9	616	14.9	395	9.6	12	0.3	228	5.5	20	0.5	3	0.1	16	0.4	94	2.3	4122	
IL	1920	33.4	342	5.9	1645	28.6	238	4.1	893	15.5	94	1.6	345	6.0	129	2.2	10	0.2	2	0.0	130	2.3	5748	
IN	2130	47.8	220	4.9	1213	27.2	343	7.7	303	6.8	11	0.2	159	3.6	13	0.3	1	0.0	9	0.2	58	1.3	4460	
KY	1946	38.5	307	6.1	1269	25.1	531	10.5	494	9.8	7	0.1	355	7.0	2	0.0	6	0.1	17	0.3	117	2.3	5051	
MA	1424	17.5	743	9.1	3785	46.5	366	4.5	1401	17.2	235	2.9	44	0.5	0	0.0	16	0.2	59	0.7	68	0.8	8141	
MD	1747	29.0	500	8.3	1495	24.8	1031	17.1	664	11.0	25	0.4	460	7.6	47	0.8	5	0.1	22	0.4	35	0.6	6031	
ME	1260	41.5	228	7.5	868	28.6	256	8.4	235	7.7	31	1.0	114	3.8	1	0.0	6	0.2	10	0.3	30	1.0	3039	
MI	2412	30.1	178	2.2	1637	20.4	1657	20.7	708	8.8	11	0.1	1168	14.6	29	0.4	4	0.0	84	1.0	122	1.5	8010	
MN	3417	45.8	481	6.4	1775	23.8	535	7.2	730	9.8	60	0.8	359	4.8	8	0.1	19	0.3	27	0.4	55	0.7	7466	
MO	1512	33.6	617	13.7	1025	22.8	672	14.9	452	10.0	20	0.4	109	2.4	6	0.1	7	0.2	36	0.8	47	1.0	4503	
MS	1584	38.2	437	10.5	1044	25.2	341	8.2	318	7.7	15	0.4	257	6.2	5	0.1	6	0.1	23	0.6	118	2.8	4148	
MT	1188	39.7	118	3.9	879	29.3	299	10.0	281	9.4	13	0.4	150	5.0	3	0.1	5	0.2	10	0.3	50	1.7	2996	
NC	1901	38.2	363	7.3	1466	29.5	565	11.4	428	8.6	7	0.1	185	3.7	8	0.2	3	0.1	12	0.2	36	0.7	4974	
ND	1800	43.9	166	4.1	1281	31.3	354	8.6	287	7.0	7	0.2	150	3.7	2	0.0	0	0.0	24	0.6	26	0.6	4097	
NE	1353	33.3	168	4.1	1610	39.6	318	7.8	382	9.4	10	0.2	188	4.6	14	0.3	2	0.0	3	0.1	20	0.5	4068	
NH	1500	41.8	379	10.6	857	23.9	285	7.9	404	11.3	45	1.3	51	1.4	8	0.2	15	0.4	4	0.1	43	1.2	3591	
NJ	1492	33.6	644	14.5	360	8.1	1074	24.2	142	3.2	32	0.7	519	11.7	53	1.2	4	0.1	109	2.5	11	0.2	4440	
NM	1188	40.8	351	12.0	751	25.8	204	7.0	300	10.3	3	0.1	70	2.4	9	0.3	0	0.0	11	0.4	27	0.9	2914	
NY	1936	38.3	327	6.5	1019	20.2	667	13.2	670	13.3	7	0.1	244	4.8	121	2.4	8	0.2	3	0.1	53	1.0	5055	
OH	1333	31.1	438	10.2	1189	27.7	692	16.1	393	9.2	3	0.1	150	3.5	7	0.2	10	0.2	48	1.1	24	0.6	4287	
OK	1512	40.6	391	10.5	1010	27.1	303	8.1	264	7.1	11	0.3	166	4.5	6	0.2	5	0.1	15	0.4	41	1.1	3724	
OR	3361	41.0	1073	13.1	1656	20.2	477	5.8	1080	13.2	12	0.1	281	3.4	56	0.7	50	0.6	18	0.2	127	1.6	8191	
PA	2461	17.7	1069	7.7	7525	54.1	446	3.2	1997	14.3	171	1.2	90	0.6	0	0.0	35	0.3	53	0.4	75	0.5	13922	
RI	1809	30.6	365	6.2	1585	26.8	915	15.5	747	12.6	72	1.2	136	2.3	93	1.6	0	0.0	64	1.1	127	2.1	5913	
SC@	1988	34.7	327	5.7	1493	26.1	852	14.9	572	10.0	11	0.2	385	6.7	9	0.2	2	0.0	46	0.8	40	0.7	5725	
SD	1800	51.7	144	4.1	738	21.2	294	8.4	295	8.5	12	0.3	147	4.2	1	0.0	0	0.0	7	0.2	44	1.3	3482	
TN	2694	36.7	717	9.8	2131	29.0	884	12.0	558	7.6	10	0.1	208	2.8	20	0.3	11	0.1	59	0.8	49	0.7	7341	
TX	1503	29.2	506	9.8	1481	28.8	748	14.5	542	10.5	18	0.3	247	4.8	16	0.3	2	0.0	18	0.3	67	1.3	5148	
UT*	1781	18.5	237	2.5	1846	19.2	4287	44.6	724	7.5	34	0.4	204	2.1	29	0.3	8	0.1	418	4.3	48	0.5	9616	
VA	1800	39.9	448	9.9	1087	24.1	326	7.2	611	13.6	11	0.2	119	2.6	18	0.4	15	0.3	39	0.9	33	0.7	4507	
VT	1508	38.1	155	3.9	1031	26.0	603	15.2	438	11.1	42	1.1	59	1.5	7	0.2	13	0.3	38	1.0	69	1.7	3963	
WA	2101	37.4	837	14.9	1177	21.0	375	6.7	641	11.4	57	1.0	266	4.7	49	0.9	18	0.3	12	0.2	83	1.5	5616	
WI	1282	28.6	309	6.9	2164	48.3	129	2.9	482	10.8	46	1.0	33	0.7	0	0.0	6	0.1	8	0.2	22	0.5	4481	
WV	2405	45.2	497	9.3	1257	23.6	392	7.4	390	7.3	17	0.3	256	4.8	2	0.0	1	0.0	12	0.2	95	1.8	5324	
CUM	84342	32.8	18004	7.0	70794	27.5	37552	14.6	27238	10.6	1603	0.6	10393	4.0	1309	0.5	423	0.2	2645	1.0	3163	1.2	257466	
MED	1790	36.7	*****	6.5	*****	25.8	*****	9.5	*****	10.0	*****	0.4	*****	3.8	*****	0.3	*****	0.1	*****	0.2	*****	1.1	*****	

*Query CATI pilot site

@Data for February included 01 dispositons only

**BRFSS CASRO RESPONSE RATE ESTIMATES
BY STATE, 1987-1991**

State	1987		1988		1989		1990		1991*	
	Rate	ObjMet	Rate	ObjMet	Rate	ObjMet	Rate	ObjMet	Rate	ObjMet
AK	NA	NA	NA	NA	NA	NA	NA	NA	77.5	Y
AL	82	Y	96	Y	98	Y	92.6	Y	43.7**	N
AR	NA	NA	NA	NA	NA	NA	NA	NA	73.6	N
AZ	56	N	65	N	60	N	63.9	N	70.1	N
CA	43	N	57	N	64	N	62.4	N	69.3	N
CO	NA	NA	NA	NA	NA	NA	73.4	N	82.1	Y
CT	NA	NA	56	N	51	N	58.7	N	70.0	N
DC	64	N	72	N	74	N	68.2	N	68.7	N
DE	NA	NA	NA	NA	NA	NA	37.9	N	73.8	N
FL	53	N	66	N	64	N	64.6	N	37.7**	N
GA	57	N	60	N	73	N	76.8	Y	70.5	N
HI	68	N	67	N	63	N	61.2	N	68.2	N
IA	NA	NA	77	Y	70	N	71.7	N	73.3	N
ID	56	N	63	N	66	N	66.5	N	74.6	N
IL	53	N	61	N	64	N	71.8	N	70.3	N
IN	79	Y	81	Y	78	Y	81.8	Y	83.4	Y
KY	74	N	69	N	68	N	67.6	N	71.8	N
MA	57	N	65	N	47	N	56.5	N	60.6	N
MD	46	N	49	N	62	N	60.1	N	58.2	N
ME	61	N	57	N	66	N	73.5	N	75.2	Y
MI	NA	NA	NA	NA	55	N	54.1	N	50.2	N
MN	73	N	70	N	72	N	76.2	Y	77.3	Y
MO	65	N	67	N	67	N	64.1	N	64.2	N
MS	NA	NA	NA	NA	NA	NA	68.1	N	69.0	N
MT	71	N	69	N	72	N	72.9	N	77.5	Y
NC	60	N	66	N	64	N	68.7	N	71.3	N
ND	81	Y	84	Y	83	Y	73.7	N	83.7	Y
NE	70	N	70	N	64	N	64.4	N	72.8	N
NH	62	N	62	N	65	N	69.4	N	70.9	N
NJ	NA	NA	NA	NA	NA	NA	NA	NA	41.2	N
NM	71	N	71	N	60	N	61.2	N	70.8	N
NY	62	N	58	N	50	N	59.4	N	71.8	N
OH	64	N	56	N	54	N	57.7	N	69.2	N
OK	NA	NA	61	N	66	N	59.7	N	74.0	N
OR	NA	NA	NA	NA	61	N	63.0	N	66.3	N
PA	NA	NA	NA	NA	54	N	62.1	N	64.9	N
RI	73	N	66	N	65	N	64.9	N	72.9	N
SC	85	Y	81	Y	87	Y	64.6	N	67.3	N
SD	76	Y	83	Y	84	Y	82.4	Y	83.0	Y
TN	59	N	58	N	68	N	64.9	N	65.9	N
TX	58	N	57	N	66	N	64.5	N	61.5	N
UT	60	N	57	N	61	N	67.3	N	39.6**	N
VA	NA	NA	NA	NA	53	N	68.4	N	72.4	N
VT	NA	NA	NA	NA	NA	NA	65.8	N	72.9	N
WA	68	N	69	N	65	N	61.1	N	60.7	N
WI	80	Y	78	Y	79	Y	78.1	Y	76.2	Y
WV	70	N	72	N	69	N	68.8	N	75.3	Y
MEDIAN	64	N	66	N	65	N	65.4	N	70.8	N
RANGE	43-85	6 of 33	49-96	7 of 36	47-98	6 of 40	37.9-92.6	8 of 44	37.7-83.7	10 of 47

*Excluding wind-down records except MI

**Query CATI pilot site

**BRFSS UPPER BOUND RESPONSE RATE ESTIMATES
BY STATE, 1987-1991**

State	1987		1988		1989		1990		1991*	
	Rate	ObjMet	Rate	ObjMet	Rate	ObjMet	Rate	ObjMet	Rate	ObjMet
AK	NA	NA	NA	NA	NA	NA	NA	NA	89.3	N
AL	94	Y	98	Y	99	Y	97.3	Y	93.1**	Y
AR	NA	NA	NA	NA	NA	NA	NA	NA	80.7	N
AZ	83	N	86	N	84	N	84.1	N	80.7	N
CA	77	N	80	N	83	N	82.1	N	79.9	N
CO	NA	NA	NA	NA	NA	NA	82.4	N	88.3	N
CT	NA	NA	73	N	63	N	64.9	N	81.6	N
DC	79	N	91	Y	92	Y	87.1	N	80.5	N
DE	NA	NA	NA	NA	NA	NA	80.4	N	93.6	Y
FL	74	N	84	N	83	N	82.4	N	82.5**	N
GA	81	N	82	N	88	N	88.4	N	87.7	N
HI	84	N	83	N	79	N	80.6	N	81.9	N
IA	NA	NA	90	Y	88	N	90.2	Y	88.9	N
ID	82	N	79	N	79	N	90.7	Y	94.8	Y
IL	74	N	81	N	83	N	85.3	N	84.5	N
IN	90	Y	92	Y	94	Y	92.3	Y	91.3	Y
KY	94	Y	94	Y	91	Y	88.5	N	86.4	N
MA	74	N	83	N	64	N	64.1	N	65.2	N
MD	68	N	70	N	79	N	84.9	N	78.0	N
ME	78	N	81	N	84	N	86.9	N	84.9	N
MI	NA	NA	NA	NA	81	N	91.7	Y	93.0	Y
MN	87	N	87	N	86	N	88.8	N	87.5	N
MO	80	N	83	N	82	N	78.9	N	73.4	N
MS	NA	NA	NA	NA	NA	NA	82.0	N	79.8	N
MT	85	N	87	N	89	N	90.9	Y	90.6	Y
NC	89	N	86	N	84	N	84.7	N	84.1	N
ND	90	Y	93	Y	93	Y	91.3	Y	92.0	Y
NE	87	N	87	N	83	N	82.2	N	88.8	N
NH	78	N	81	N	83	N	80.1	N	79.2	N
NJ	NA	NA	NA	NA	NA	NA	NA	NA	69.7	N
NM	81	N	84	N	74	N	76.3	N	76.6	N
NY	87	N	81	N	79	N	81.8	N	85.3	N
OH	81	N	74	N	71	N	76.2	N	78.9	N
OK	NA	NA	78	N	79	N	73.1	N	81.1	N
OR	NA	NA	NA	NA	76	N	74.9	N	74.9	N
PA	NA	NA	NA	NA	69	N	68.0	N	69.0	N
RI	83	N	77	N	80	N	85.8	N	84.2	N
SC	95	Y	92	Y	95	Y	85.3	N	85.3	N
SD	91	Y	95	Y	94	Y	94.7	Y	92.4	Y
TN	72	N	70	N	83	N	80.8	N	79.0	N
TX	73	N	72	N	78	N	75.7	N	75.9	N
UT	84	N	85	N	87	N	90.1	Y	87.5**	N
VA	NA	NA	NA	NA	74	N	81.0	N	80.1	N
VT	NA	NA	NA	NA	NA	NA	88.2	N	90.0	Y
WA	87	N	81	N	73	N	87.1	N	71.0	N
WI	86	N	83	N	83	N	81.8	N	80.3	N
WV	84	N	86	N	85	N	82.1	N	84.3	N
MEDIAN	83	N	83	N	83	N	83.3	N	84.1	N
RANGE	68-95	6 of 33	70-98	8 of 36	63-99	7 of 40	64.1-97.3	9 of 44	65.2-94.8	9 of 47

*Excluding wind-down records except MI

**Query CATI pilot site

**BRFSS EFFICIENCY RATES
BY STATE, 1987-1991**

State	1987		1988		1989		1990		1991*	
	Rate	ObjMet	Rate	ObjMet	Rate	ObjMet	Rate	ObjMet	Rate	ObjMet
AK	NA	NA	NA	NA	NA	NA	NA	NA	29.4	N
AL	55	Y	68	Y	67	Y	63.8	Y	20.0*	N
AR	NA	NA	NA	NA	NA	NA	NA	NA	40.3	Y
AZ	32	N	37	N	31	N	32.6	N	32.1	N
CA	25	N	35	N	36	N	33.8	N	32.6	N
CO	NA	NA	NA	NA	NA	NA	41.1	Y	45.5	Y
CT	NA	NA	33	N	29	N	19.2	N	28.2	N
DC	37	N	39	N	31	N	26.0	N	19.9	N
DE	NA	NA	NA	NA	NA	NA	23.8	N	35.8	N
FL	28	N	39	N	36	N	37.0	N	20.0*	N
GA	36	N	32	N	45	Y	44.3	Y	39.8	N
HI	41	Y	40	Y	34	N	31.1	N	27.7	N
IA	NA	NA	47	Y	43	Y	46.3	Y	45.8	Y
ID	32	N	35	N	40	Y	39.6	N	43.1	Y
IL	33	N	35	N	37	N	35.7	N	33.4	N
IN	52	Y	49	Y	53	Y	50.1	Y	47.8	Y
KY	44	Y	41	Y	40	Y	39.8	N	38.5	N
MA	39	N	43	Y	26	N	20.8	N	17.5	N
MD	23	N	27	N	35	N	34.6	N	29.0	N
ME	40	Y	37	N	38	N	44.2	Y	41.5	Y
MI	NA	NA	NA	NA	34	N	33.5	N	30.1	N
MN	48	Y	46	Y	47	Y	48.1	Y	45.8	Y
MO	42	Y	45	Y	43	Y	39.1	N	33.6	N
MS	NA	NA	NA	NA	NA	NA	43.1	Y	38.2	N
MT	41	Y	36	N	41	Y	39.2	N	39.7	N
NC	35	N	38	N	32	N	38.8	N	38.2	N
ND	46	Y	44	Y	44	Y	43.3	Y	43.9	Y
NE	30	N	30	N	28	N	30.0	N	33.3	N
NH	38	N	30	N	36	N	43.7	Y	41.8	Y
NJ	NA	NA	NA	NA	NA	NA	NA	NA	33.6	N
NM	43	Y	43	Y	38	N	36.6	N	40.8	Y
NY	40	Y	33	N	29	N	35.2	N	38.3	N
OH	37	N	29	N	29	N	28.5	N	31.1	N
OK	NA	NA	34	N	42	Y	34.6	N	40.6	Y
OR	NA	NA	NA	NA	38	N	39.5	N	41.0	Y
PA	NA	NA	NA	NA	28	N	20.8	N	17.7	N
RI	47	Y	41	Y	38	N	35.7	N	30.6	N
SC	48	Y	46	Y	40	Y	34.9	N	33.0	N
SD	39	N	49	Y	52	Y	52.2	Y	51.7	Y
TN	38	N	39	N	41	Y	42.1	Y	36.7	N
TX	30	N	29	N	36	N	34.1	N	29.5	N
UT	35	N	33	N	33	N	39.1	N	18.5*	N
VA	NA	NA	NA	NA	31	N	39.6	N	39.9	N
VT	NA	NA	NA	NA	NA	NA	37.0	N	38.1	N
WA	41	Y	45	Y	41	Y	40.3	Y	37.4	N
WI	30	N	29	N	29	N	28.0	N	28.6	N
WV	46	Y	41	Y	43	Y	45.9	Y	45.2	Y
MEDIAN	39	N	38.5	N	37.5	N	37.9	N	38.1	N
RANGE	23-55	15 of 33	27-68	15 of 36	26-67	16 of 40	19.2-63.8	14 of 44	17.5-51.7	14 of 47

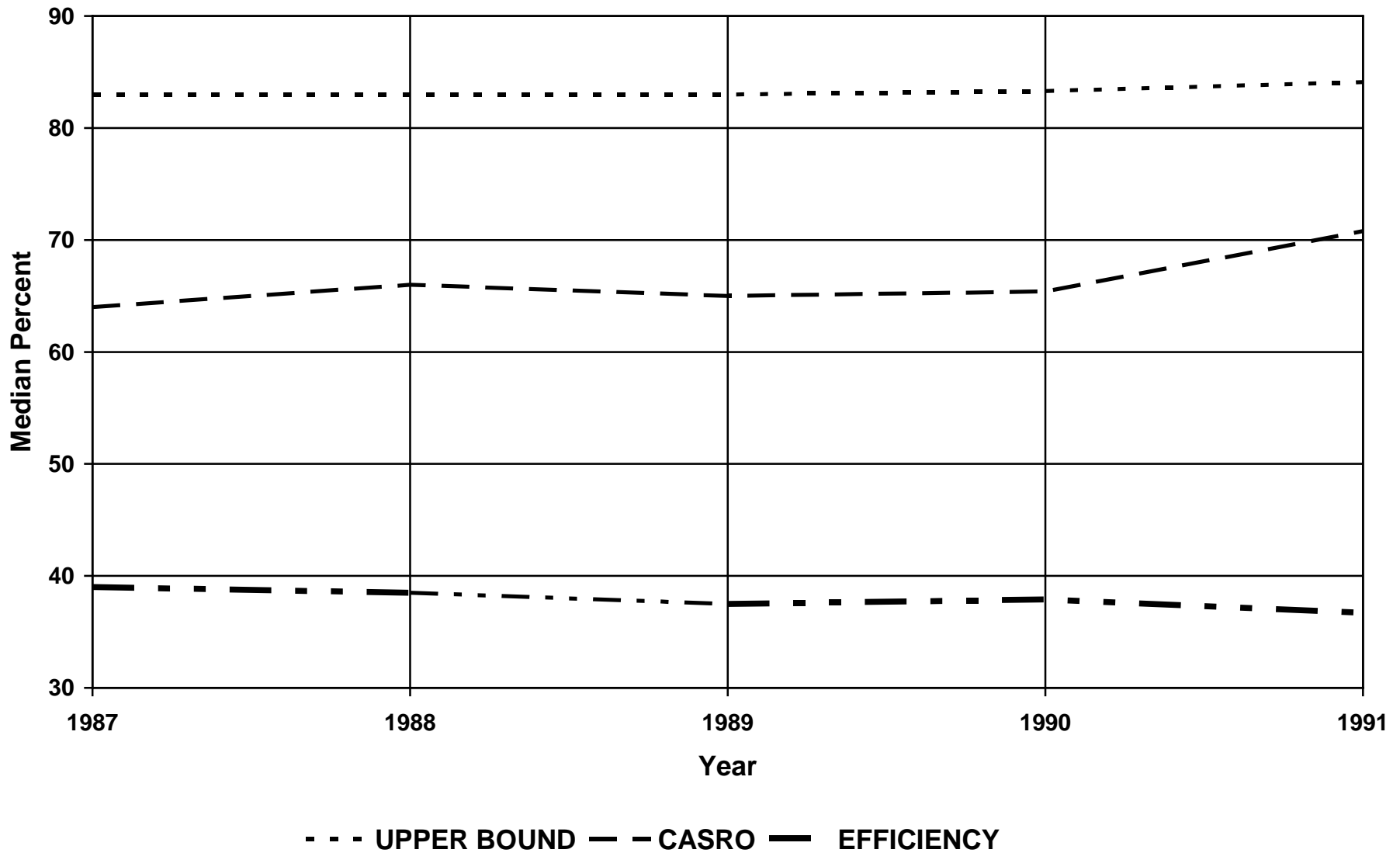
*Query CATI pilot site

**BRESS WIND-DOWN RATES
BY STATE, 1990-1991**

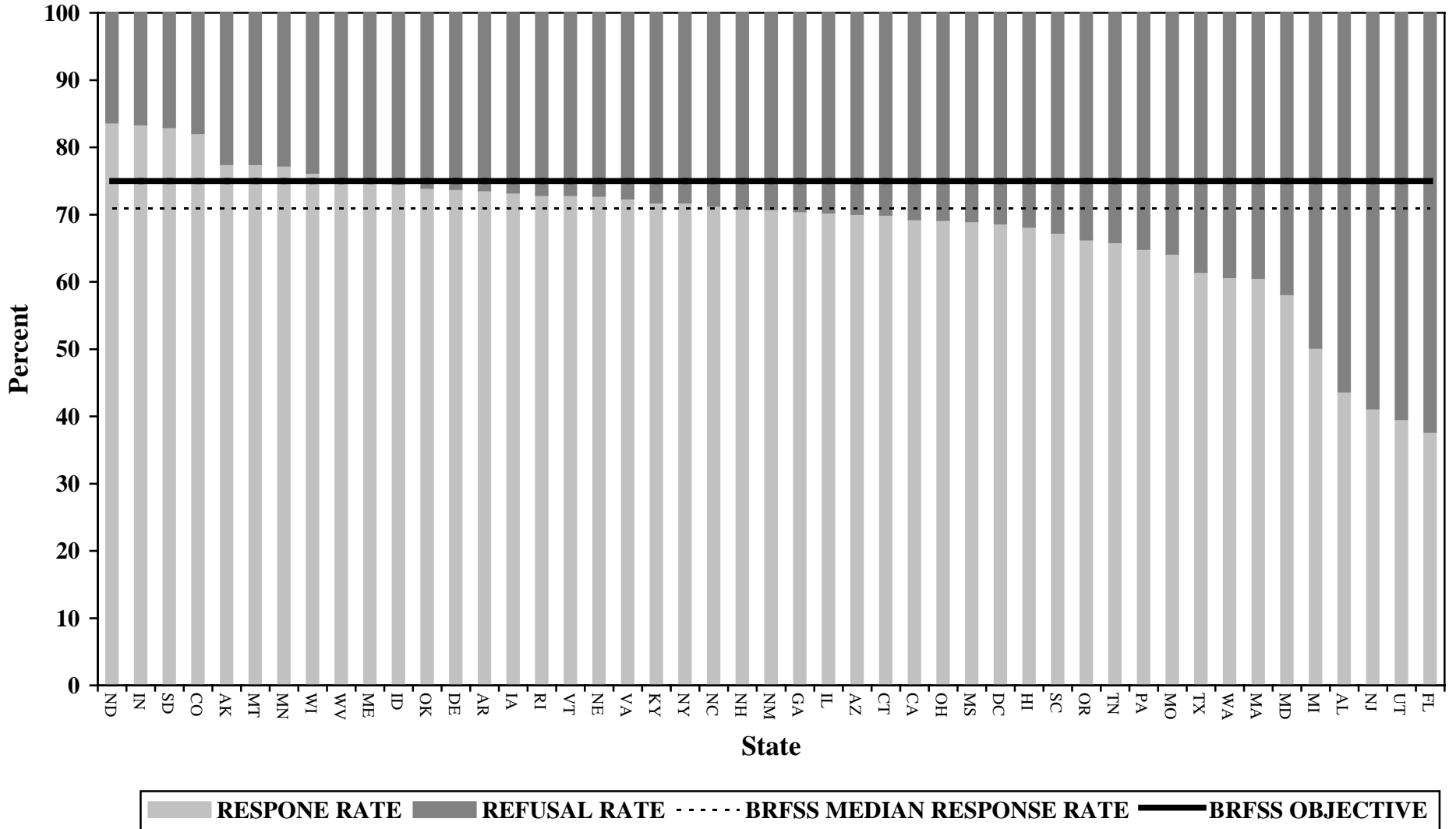
State	1990		1991*	
	Rate	ObjMet	Rate	ObjMet
AK	NA	NA	5.8	N
AL	0.6	Y	0.0*	Y
AR	NA	NA	5.3	N
AZ	6.4	N	7.6	N
CA	7.3	N	8.9	N
CO	4.3	Y	4.4	Y
CT	0.4	Y	6.9	N
DC	5.8	N	4.2	Y
DE	2.7	Y	1.7	Y
FL	4.2	Y	0.3*	Y
GA	0.1	Y	0.0	Y
HI	10.1	N	10.5	N
IA	5.2	N	4.5	Y
ID	5.5	N	3.1	Y
IL	1.8	Y	0.0	Y
IN	12.7	N	4.3	Y
KY	5.4	N	4.9	Y
MA	0.4	Y	0.0	Y
MD	36.5	N	39.3	N
ME	5.2	N	5.1	N
MI	4.5	Y	4.2	Y
MN	3.8	Y	4.5	Y
MO	6.2	N	6.4	N
MS	4.7	Y	5.9	N
MT	4.9	Y	4.5	Y
NC	4.1	Y	2.3	Y
ND	7.5	N	6.2	N
NE	0.0	Y	0.0	Y
NH	0.0	Y	0.0	Y
NJ	NA	NA	0.0	Y
NM	13.3	N	12.9	N
NY	9.1	N	3.8	Y
OH	12.5	N	13.7	N
OK	8.7	N	7.5	N
OR	4.3	Y	0.0	Y
PA	0.8	Y	0.0	Y
RI	6.0	N	7.1	N
SC	12.1	N	9.8	N
SD	5.0	Y	4.9	Y
TN	3.5	Y	1.3	Y
TX	4.2	Y	4.9	Y
UT	16.6	N	11.8*	Y
VA	66.4	N	3.2	Y
VT	0.0	Y	0.0	Y
WA	0.2	Y	0.0	Y
WI	0.1	Y	0.0	Y
WV	5.7	N	4.6	Y
MEDIAN	5.0	Y	4.5	Y
RANGE	0-66.4	23 of 44	0-39.3	31 of 47

*Query CATI pilot site

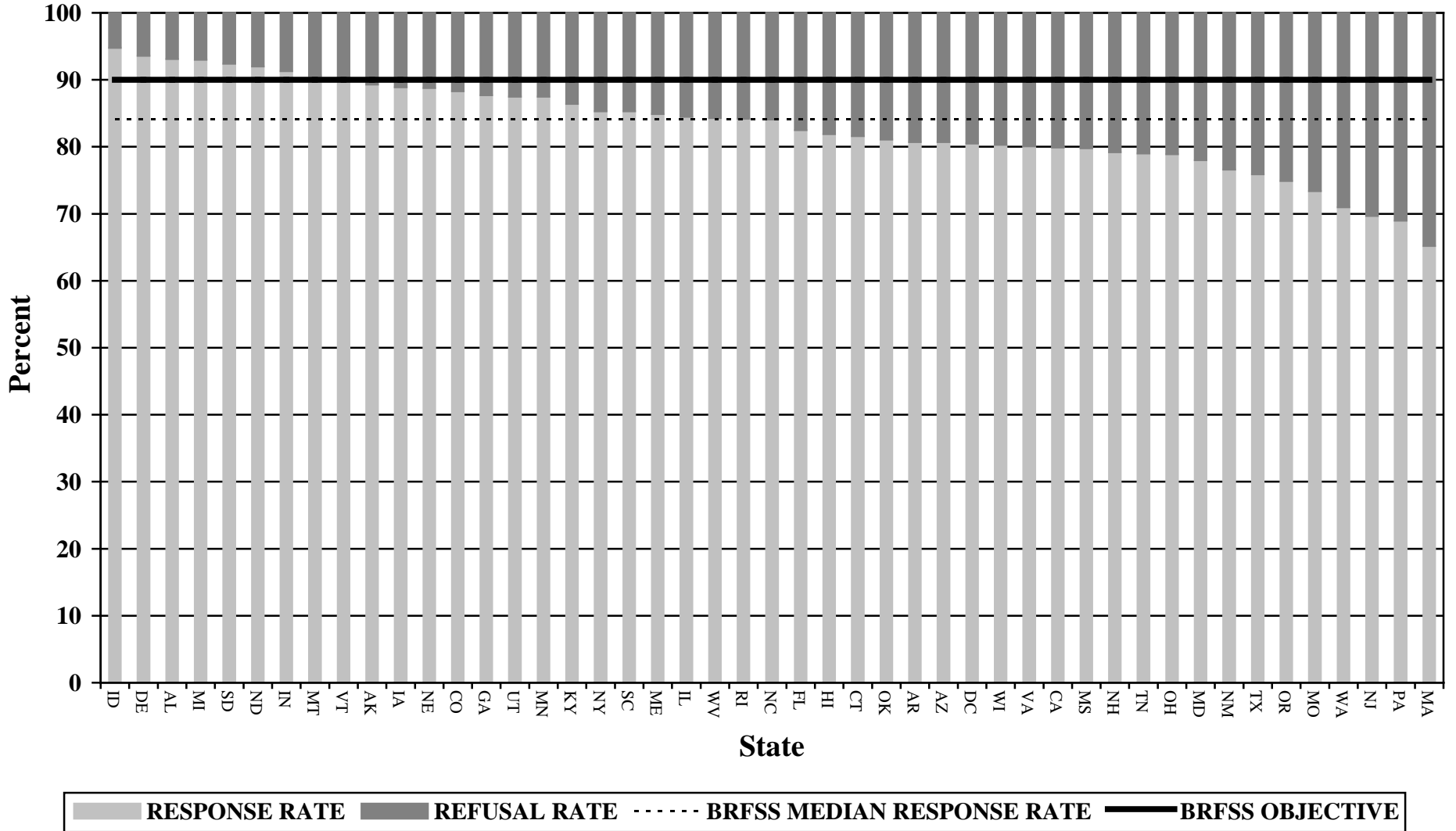
**BRFSS
MEDIAN UPPER BOUND, CASRO, AND EFFICIENCY
1987-1991**



**BRFSS
CASRO ESTIMATES OF RESPONSE AND REFUSAL RATES
BY STATE, 1991**



BRFSS
UPPERBOUND ESTIMATES OF RESPONSE AND REFUSAL RATES
BY STATE, 1991



**1991 BRFSS QUALITY CONTROL INDICATORS
All PARTICIPATING STATES**

INDICATOR	BRFSS OBJECTIVE	OBJECTIVE		BRFSS MEDIAN
		MET	NOT MET	
CASRO RESPONSE RATE	>75		*	70.9
UPPER BOUND	>90		*	84.1
SURVEY EFFICIENCY	>40		*	37.1
% 01s DURING WIND DOWN	<5	*		4.5
% 02s	<10	*		6.7
% 04s	<10	*		9.4
% 07s	<3		*	3.8
% 10s	<0.3		*	0.4