



**2002**

**Behavioral Risk Factor Surveillance System**

**Summary Data Quality Report**

**June 1, 2003**

## 2002 BRFSS Summary Data Quality Report

This report provides selected statistical indicators of data quality in the Behavioral Risk Factor Surveillance System (BRFSS). The report presents data on three general types of measures by state<sup>1</sup>:

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

The measures in this report are designed to document the quality of BRFSS data.<sup>2</sup> "Data quality" in this report refers to the accuracy of BRFSS data.

### Outcome Measures

The factors affecting the distribution of disposition codes by state may be grouped into differences in telephone systems, sample designs, surveyed populations, and data collection processes. Different outcome measures are variously affected by differences in these factors.

Tables 1 and 2 present the frequency of the individual final disposition codes by state. Table 1 shows the distribution of all cases of determined eligibility status in the sample. Table 2 presents this distribution for numbers of unknown eligibility. The number of completed interviews (110) plus the number of partial interviews (120) divided by the total number of cases by state is the Efficiency Rate.

Table 3 presents brief descriptions of each final call disposition code.

Table 4 shows the frequency distribution and Table 5 shows the percent (of all numbers in the sample) distribution of disposition codes for each state grouped into several descriptive categories. The categories shown in Tables 4 and 5 and used in the calculations of the outcome rates in Table 6 are defined below.

Categories of Case Outcomes		
Category	Disposition Code Definition	Format in Tables/Formulas
Completed Interview	01	COIN
Terminations and Refusals	(210*.68)+220	TERE
Known Household, Possibly Eligible, Non-interview	230+240+250+260+270+280 +305+310+315+335	KNHH
Likely Households	320+325+330+332+340+355+ 370	LIHH

<sup>1</sup> In this report, "state" includes the District of Columbia, Puerto Rico, the U.S. Virgin Islands, and Guam.

<sup>2</sup> The measures in this report are only indirect indicators of the quality of the data collection effort or adherence to BRFSS protocols.

Categories of Case Outcomes		
Category	Disposition Code Definition	Format in Tables/Formulas
Answering Machine Unknown	345+350	AMUR
Ineligible Households	410	INHH
Non-Contact	360+365	NCUS
Business Non-Residential	420	BUNR
Non-working Out-of-Scope	405+430+440+450	NOSN
Eligible, Non-Interview	210+220+230+240+250+260+270+280	Elig HH
Known or Probable Household, Unknown Eligibility	305+310+315+320+325+330+332+335+340+345+350+355+370	EUHH
Unknown Eligibility	EUHH+NCUS	Unknown
Ineligible	410+420+NOSN	Ineligible
All Known or Probable Households	COIN+TERE+KNHH+LIHH+INHH	HH
Total Cases	All numbers in sample	TOTAL

Table 6 provides six outcome rates for each state that are used to measure respondent cooperation, data quality, and data collection efficiency. The Resolution Rate is the proportion of all telephone numbers in the sample for which the status of the cases as households with working numbers has been resolved. Cases for which household status remains unknown are excluded from the numerator. The formula for the Resolution Rate is

$$\frac{COIN + TERE + KNHH + INHH + BUNR + NOSN}{TOTAL}$$

The Screening Completion Rate is the proportion of all known households in which the presence or absence of an eligible respondent has been determined and in which, for eligible households, an interviewer actually spoke to the selected respondent. Households in which the presence or absence of an adult is unknown are excluded from the numerator. Its formula is

$$\frac{COIN + TERE + INHH}{COIN + TERE + INHH + KNHH}$$

The Interview Completion Rate is the proportion of contacted selected respondents who successfully complete an interview. This rate is a type of cooperation rate. An alternate response rate definition is the product of these three rates. The formula for the Interview Completion Rate is

$$\frac{COIN}{COIN + TERE}$$

The Cooperation Rate is the proportion of all cases interviewed of all eligible units that were actually contacted. Non-contacts are excluded from the denominator. This rate is based on contacts with households containing an eligible respondent. The denominator of the rate includes completed interviews plus the number of non-interviews that involve the identification of and contact with an eligible respondent. A Cooperation Rate below 65 percent may indicate some problem with interviewing techniques. The denominator of the Cooperation Rate consists of records with disposition codes of 110, 120, 210, 220, 250, and 260. Thus, the formula for the BRFSS Cooperation Rate is

$$\frac{COIN}{COIN + TERE + 250 + 260}$$

A response rate is an outcome rate with the number of completed and partial interviews in the numerator and an estimate of the number of eligible units in the sample in the denominator. A proportion of the terminations (210) are included as partial interviews in the BRFSS CASRO Response Rate calculation because more than fifty percent of the core questionnaire was completed in these cases. The BRFSS CASRO Rate calculation assumes that the unresolved numbers contain the same percentage of eligible households as the records whose eligibility or ineligibility are determined. This estimated level of eligibility provides a conservative response rate due to the fact that the proportion of these unknown eligible telephone numbers that are eligible is probably quite low, given the fifteen or more call attempts required by BRFSS protocol. The formula for the BRFSS CASRO Rate is

$$\frac{COIN}{(110 + 120 + EligHH) + \frac{110 + 120 + EligHH}{(110 + 120 + EligHH + Ineligible)} \times Unknown}$$

Table 5 also presents the BRFSS Overall Response Rate. The Overall Response Rate is a more conservative response rate that assumes that more unknown cases are eligible and thus includes a higher proportion of all numbers in the denominator. The rate assumes that 90 percent of likely households are households and that 98 percent of households contain an adult who uses the phone number.

The Overall Response Rate formula is

$$\frac{COIN}{(.98 * (COIN + TERE + KNHH + INHH + (.90 * (LIHH + AMUR))))}$$

A response rate is an indicator of the potential for bias in the results of a survey. It does not indicate the actual amount of bias. The actual amount of bias can be conceptualized as a function of two factors—the amount of non-response, which is measured by a response rate, and the differences between the respondents and the non-respondents. A response rate does not address the latter factor. If the non-respondents are highly similar to the respondents for the characteristics of interest, then even a low response rate will result in little non-response bias.

### Selection Biases

Tables 7 through 14 present data on the differences between BRFSS and population data with respect to sex, age, and race/ethnicity by state. In these tables, BRFSS data are weighted for the characteristics of the sample design—disproportionate sampling by geographic and density strata (where they exist), number of telephones, and number of adults in the household.<sup>3</sup> Since these factors are built into the sample design, they should be adjusted for before comparing survey distributions to population distributions. No standards exist to determine what constitutes a substantial difference between survey and population percentages. One approach would be to examine the distribution of discrepant values with the purpose of identifying extreme values, or outliers, which may indicate biased data.

<sup>3</sup> These factors make up the variable \_WT2 in the BRFSS data sets.

### Income Missing Values

Table 15 presents the percent missing (Don't know/Not sure or Refused or either) income by state. Income is the variable in the survey data with the largest percentage of missing values. A larger percentage of missing values for income implies lower quality data for income and, by extension, for other variables.

Table 1. BRFSS Call Dispositions, Frequency Distribution by State for Cases of Known Eligibility, 2002

State	110	120	210	220	230	240	250	260	270	280	Total Eligible	405	410	420	430	440	450	Total Ineligible
AK	2,641	53	100	561	179	157	53	26	37	4	3,811	0	31	2,484	846	289	24,346	27,996
AL	2,956	135	198	543	212	50	8	67	1	1	4,172	0	23	1,909	356	537	7,229	10,054
AR	3,767	130	203	847	159	422	33	191	36	3	5,791	1	35	3,017	588	319	17,648	21,608
AZ	3,068	159	121	853	106	371	93	62	0	0	4,833	0	35	2,780	588	0	13,122	16,525
CA	4,041	174	147	1,581	432	246	731	145	0	5	7,502	0	65	5,376	1,941	1,364	21,488	30,234
CO	3,913	139	100	843	464	182	38	116	40	12	5,847	0	28	5,070	1,134	79	15,768	22,079
CT	5,121	442	139	2,134	246	917	126	143	0	0	9,268	0	83	6,970	1,327	0	26,496	34,876
DC	2,257	151	66	656	153	271	57	32	0	0	3,643	0	40	8,050	1,112	0	18,778	27,980
DE	4,019	12	20	669	20	1,191	6	71	4	0	6,012	0	56	3,397	666	542	22,980	27,641
FL	5,797	353	343	2,017	103	1,184	264	141	0	0	10,202	0	118	7,031	1,660	0	26,912	35,721
GA	4,934	131	234	1,728	575	208	80	162	10	5	8,067	15	65	5,842	1,499	1,378	24,144	32,943
GU	805	26	31	161	70	122	104	13	0	0	1,332	0	8	1,320	295	0	5,396	7,019
HI	6,000	0	7	785	0	439	833	208	8	0	8,280	44	19	5,958	3,494	104	32,165	41,784
IA	3,517	145	63	696	220	298	36	138	23	5	5,141	0	9	2,003	544	634	18,625	21,815
ID	4,857	180	204	981	216	386	65	109	195	25	7,218	2	32	4,009	1,311	323	22,988	28,665
IL	5,242	0	58	840	1,741	145	68	151	55	42	8,342	0	32	5,124	1,493	1,409	24,549	32,607
IN	5,487	302	323	1,639	346	836	31	134	90	8	9,196	2	32	5,154	1,096	1,468	26,014	33,766
KS	4,474	128	100	1,284	263	132	16	40	76	5	6,518	2	20	4,310	982	727	29,474	35,515
KY	7,051	16	42	957	18	806	12	103	63	0	9,074	3	26	4,253	182	45	35,558	40,067
LA	4,895	135	208	2,338	698	386	32	259	22	4	8,977	1	107	4,510	1,274	180	24,848	30,920
MA	6,489	940	348	3,218	330	1,306	338	160	0	0	13,129	0	110	11,130	1,838	0	43,320	56,398
MD	4,191	210	89	1,760	229	710	89	99	0	0	7,377	0	78	5,613	1,240	0	24,934	31,865
ME	2,322	116	39	723	69	154	9	57	0	0	3,489	0	22	1,470	289	0	9,284	11,065
MI	5,804	129	109	1,362	1,110	97	58	188	0	0	8,857	0	171	6,943	45	2,929	24,523	34,611
MN	4,494	0	15	0	7	0	0	0	0	0	4,516	0	59	2,326	639	410	17,682	21,116
MO	4,541	189	211	681	738	67	23	128	20	10	6,608	3	47	2,951	706	1,541	19,043	24,291
MS	3,936	149	203	1,080	347	191	15	169	8	2	6,100	14	38	3,299	790	1,592	16,386	22,119
MT	3,847	189	53	1,115	132	291	5	100	0	0	5,732	0	21	2,474	563	0	25,839	28,897
NC	6,580	168	150	1,266	494	455	24	216	23	7	9,383	2	37	4,662	1,149	798	19,463	26,111
ND	2,864	132	98	640	130	230	4	66	35	0	4,199	2	18	2,142	316	277	20,762	23,517
NE	4,380	3	43	597	166	75	8	27	37	5	5,341	0	22	2,788	529	544	20,885	24,768
NH	4,738	301	105	1,777	223	498	48	99	0	0	7,789	0	46	4,300	969	0	23,872	29,187
NJ	5,752	427	262	2,512	253	1,273	347	130	0	0	10,956	0	249	11,613	3,098	0	44,166	59,126
NM	4,476	195	140	948	464	161	22	153	36	9	6,607	1	25	3,140	962	442	16,731	21,301

State	110	120	210	220	230	240	250	260	270	280	Total Eligible	405	410	420	430	440	450	Total Ineligible
NV	3,100	56	25	458	334	16	11	65	29	8	4,102	1	79	2,544	1,122	486	15,065	19,297
NY	4,162	304	269	1,454	387	1,018	167	128	100	13	8,002	4	35	6,465	1,662	884	21,083	30,133
OH	3,860	232	73	1,755	215	470	25	106	0	0	6,736	0	44	3,681	760	0	16,268	20,753
OK	6,756	17	144	1,037	449	494	11	123	28	7	9,066	0	79	4,118	964	1,331	27,241	33,733
OR	2,962	113	114	779	176	305	36	82	24	3	4,594	1	26	2,966	780	367	12,472	16,612
PA	12,759	732	711	3,843	804	1,844	155	377	215	12	21,452	96	345	12,738	3,548	3,293	64,582	84,602
PR	4,117	2	31	124	331	55	3	157	11	12	4,846	0	5	1,306	370	3,220	4,162	9,063
RI	3,528	315	94	1,362	191	473	137	101	0	1	6,202	0	42	3,587	701	0	20,955	25,285
SC	4,096	407	365	1,414	340	894	32	155	119	11	7,833	5	44	4,519	919	362	18,756	24,605
SD	4,749	39	86	1,083	200	106	15	35	44	8	6,365	0	20	2,883	598	406	29,347	33,254
TN	3,170	37	16	0	6	0	0	0	0	1	3,230	0	58	1,719	539	205	9,256	11,777
TX	5,565	542	483	1,954	551	1,399	80	194	221	46	11,035	0	107	8,378	2,608	1,775	43,004	55,872
UT	4,019	61	47	512	344	18	67	34	13	4	5,119	1	9	1,991	643	120	14,492	17,256
VA	4,043	349	219	1,003	422	305	144	112	39	6	6,642	29	10	3,061	892	734	13,790	18,516
VI	2,080	199	256	321	137	519	46	63	31	0	3,652	1	22	2,905	695	208	9,342	13,173
VT	4,070	169	62	1,079	130	340	12	79	0	0	5,941	0	23	3,098	494	0	26,796	30,411
WA	4,799	88	172	1,671	495	282	158	218	35	6	7,924	4	42	5,037	1,400	2,191	21,750	30,424
WI	4,048	308	148	869	331	14	30	77	166	78	6,069	0	21	2,344	660	274	12,760	16,059
WV	3,325	25	41	565	190	148	4	133	14	2	4,447	1	12	1,260	308	132	7,240	8,953
WY	3,437	109	88	657	143	296	18	83	21	2	4,854	0	19	2,613	483	940	14,420	18,475
Cumulative	237,901	10,063	8,016	61,732	17,089	23,253	4,827	6,225	1,929	372	371,420	235	2,849	230,631	55,667	34,859	1,168,199	1,492,440
Median	4,108	142	107	969	226	297	35	111	21	3	6,442	0	35	3,492	818	343	20,920	26,876

Table 2. BRFSS Call Dispositions, Frequency Distribution by State for Cases of Unknown Eligibility, 2002

State	305	310	315	320	325	330	332	335	340	345	350	355	360	365	370	Total Unknown
AK	43	311	27	23	4	580	50	150	16	256	53	204	1,580	1,496	0	4,793
AL	17	676	174	20	22	604	8	376	39	66	39	531	581	169	0	3,322
AR	72	708	78	61	29	1,549	80	270	1	171	12	377	962	131	0	4,501
AZ	64	1,261	284	219	19	480	108	689	131	3	7	771	1,009	997	0	6,042
CA	68	1,310	698	793	21	1,613	160	448	93	1,016	283	125	2,419	604	0	9,651
CO	56	531	103	31	23	1,410	245	172	9	626	49	188	762	119	0	4,324
CT	712	3,775	501	188	78	1,301	145	1,284	431	41	78	1,899	2,557	1,216	0	14,206
DC	276	1,079	347	184	28	589	197	638	180	61	43	858	3,607	2,240	0	10,327
DE	1,117	863	5	56	113	572	7	41	0	714	0	471	1,687	1	0	5,647
FL	121	4,715	905	842	87	1,238	112	2,275	264	5	1	2,243	3,168	1,551	0	17,527
GA	92	1,823	345	196	56	2,882	188	764	84	459	86	695	1,878	285	7	9,840
GU	60	62	41	108	2	55	82	47	0	17	1	522	400	252	0	1,649
HI	169	81	0	0	170	1,897	0	248	44	154	1,044	0	4,043	36	0	7,886
IA	61	250	65	57	32	693	111	137	7	395	30	69	749	140	0	2,796
ID	107	546	105	116	10	2,117	78	460	2	324	8	332	1,240	222	0	5,667
IL	41	220	917	179	70	2,497	0	147	9	539	60	0	2,507	415	0	7,601
IN	190	1,448	148	22	22	3,099	136	559	14	507	17	597	1,739	290	0	8,788
KS	46	911	106	30	14	2,721	49	359	16	135	36	230	1,150	214	0	6,017
KY	604	855	57	25	49	2,836	9	889	8	356	21	907	1,434	117	2	8,169
LA	92	1,565	227	45	50	1,707	118	523	212	304	32	557	1,668	302	1	7,403
MA	981	4,877	620	433	114	1,537	143	1,695	86	85	28	2,055	3,831	3,088	0	19,573
MD	902	2,610	498	194	36	1,237	203	874	279	74	33	1,395	2,401	3,572	0	14,308
ME	123	601	70	14	27	296	53	186	18	16	6	228	623	385	0	2,646
MI	22	2,497	1,217	150	112	960	78	1,088	519	418	32	576	2,271	492	0	10,432
MN	156	529	580	134	170	1,347	336	50	0	313	236	96	1,103	218	0	5,268
MO	16	387	155	18	19	902	359	121	43	452	263	196	989	128	1	4,049
MS	109	753	167	23	41	1,371	126	343	25	232	35	445	1,058	153	0	4,881
MT	75	712	81	11	27	492	140	301	57	21	22	760	959	863	0	4,521
NC	117	1,236	170	31	40	1,315	51	754	115	245	56	554	1,425	96	1	6,206
ND	49	417	56	4	19	844	40	154	2	74	3	130	630	62	0	2,484
NE	36	869	118	16	5	853	2	409	14	12	6	237	795	119	0	3,491
NH	265	2,009	208	59	44	1,003	149	703	29	38	20	650	1,875	1,722	0	8,774
NJ	264	5,669	934	712	68	1,890	573	1,998	296	371	105	1,865	6,988	3,078	0	24,811
NM	58	602	88	10	13	1,099	133	183	186	532	561	184	1,250	201	0	5,100
NV	9	31	9	72	17	2,101	629	59	1	425	23	0	1,273	194	0	4,843



State	305	310	315	320	325	330	332	335	340	345	350	355	360	365	370	Total Unknown
NY	417	1,527	289	312	35	3,263	256	699	10	692	38	523	2,845	459	0	11,365
OH	411	1,893	247	46	59	982	133	472	239	36	65	840	1,327	761	0	7,511
OK	127	767	153	13	19	1,509	131	168	13	426	267	183	1,515	184	0	5,475
OR	90	647	104	50	18	1,294	51	315	2	165	10	257	942	199	0	4,144
PA	835	3,131	390	205	64	7,564	417	1,432	12	1,349	57	1,111	5,842	737	0	23,146
PR	8	55	16	2	5	30	30	177	14	24	8	118	1,246	133	0	1,866
RI	392	1,828	231	116	56	865	63	542	6	25	2	648	1,153	836	0	6,763
SC	323	1,124	127	70	27	2,633	170	462	1	463	12	552	1,447	201	0	7,612
SD	33	671	53	9	4	734	4	306	532	64	55	237	839	40	0	3,581
TN	62	437	84	51	89	2,008	27	95	9	284	253	169	869	131	111	4,679
TX	551	2,333	343	131	28	4,705	294	872	6	868	49	882	3,485	696	0	15,243
UT	10	218	31	55	11	444	38	201	0	415	1	168	1,023	360	0	2,975
VA	235	769	286	70	60	1,320	139	537	54	284	22	256	1,364	242	0	5,638
VI	172	246	44	19	9	408	70	203	6	150	101	248	820	79	0	2,575
VT	197	968	156	21	40	530	91	450	13	33	5	414	1,253	3,927	0	8,098
WA	73	1,424	275	220	49	1,539	90	484	6	441	15	673	1,022	41	0	6,352
WI	13	211	0	32	13	1,088	183	983	30	0	0	0	769	0	0	3,322
WV	43	344	47	3	16	589	104	140	15	94	33	164	510	97	1	2,200
WY	76	438	61	17	9	838	42	279	2	134	9	150	776	89	1	2,921
Cumulative	11,258	65,820	13,041	6,518	2,262	80,030	7,231	28,211	4,200	15,404	4,331	28,540	91,658	34,380	125	393,009
Median	92	768	151	53	28	1,266	110	393	15	239	32	396	1,252	220	0	5,657

Table 3. Summary of 2002 BRFSS Final Disposition Codes and Rules

Code	Description	Definition	Callback Rules
<b>100 Interview</b>			
110	Complete	Selected respondent meets the criteria for a 120 and has completed the interview through the last question.	Give final disposition upon completion of interview.
120	Partial Complete	Sex and three or more questions from age, race, ethnicity, marital status, education, employment status, county, and existence of more than one telephone number have been answered with a response other than 'Don't know/Not sure' or 'Refused'.	Make a second attempt to fully complete the interview after first refusal or termination. Give final disposition on the second attempt if interview is not completed or, on the fifteenth or subsequent attempt, even if there is only one occurrence of a refusal or termination.
<b>200 Non-Interview, Household with Eligible Respondent</b>			
210	Termination within Questionnaire	A hang-up or other termination after the first question in the core has been asked and it or a subsequent question has received a response other than 'Don't know/Not sure' or 'Refused'. The selected respondent has not answered enough questions for the interview to qualify as a 120.	Give final disposition after second refusal or termination or when a first-time refusal or termination will not be called a second time because of an irate respondent. On the fifteenth or later attempt, give final disposition after a single refusal or termination.
220	Refusal after Respondent Selection	A termination after respondent selection but before respondent has given a response other than Don't know/Not sure or Refused to one or more questions in the core. The refusals can come from any adult in the household and the initial refusal could have come before respondent selection.	Give final disposition after second refusal or when a first-time refusal will not be called a second time because of an irate respondent. On the fifteenth or subsequent call attempt, give final disposition even if there is only one occurrence of a refusal.
230	Selected Respondent Not Reached during Interview Period	Selected respondent was never spoken to or was spoken to and asked to be called again later one or more times. Includes cases where the selected respondent was away from residence for part of the interviewing period.	Give final disposition only after at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 attempts, and the 15 or more call attempts consist of at least 3 weekday, 3 weeknight, and 3 weekend calls.
240	Selected Respondent Away during Entire Interview Period	Selected respondent is expected to be away from residence during the entire interviewing period, for example, because of travel or a hospital stay.	Give final disposition when informed of absence.
250	Language Problem after Respondent Selection	After respondent selection, the selected or another respondent does not speak English or another language for which an interviewer and translated questionnaire are available well enough to be interviewed.	Give final disposition the first time a selected respondent is contacted who does not adequately speak a language for which an interviewer and questionnaire are available or the second time such a respondent who cannot answer the screening questions is contacted.
260	Selected Respondent Unable to Complete an Interview	The selected respondent has a physical or mental condition that prevents the completion of an interview and that condition is expected to last through the entire interviewing period. This includes a	Give final disposition (1) the first time a selected respondent is contacted or is described by someone else as unable to complete an interview during the interviewing period or (2) the second time a respondent

Code	Description	Definition	Callback Rules
		temporary condition that will last beyond the interviewing period.	who is physically or mentally impaired is contacted.
270	Termination after Number of Adults Recorded	Respondent hangs up or terminates call attempt after answering the number of adults question but <i>before</i> answering the number of men and number of women questions. This differs from 280 in that the respondent explicitly refuses.	Give final disposition after second hang-up or termination or when a first-time hang-up or termination will not be called a second time because of an irate respondent.
280	Household Contact after Number of Adults Recorded	Respondent answers the number of adults question and asks to be called again later <i>but</i> the number of men and number of women is never determined. On the surface, this is a postponement that was never re-started but may be an implicit refusal.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
300 Non-Interview, Eligibility Undetermined			
305	Household Members Away from Residence	A house sitter, house cleaner, or other non-member of a household states that all of the household members will be away from the residence during the <i>entire</i> interviewing period.	Give final disposition when informed.
310	Termination, Housing Unit, Unknown if Eligible	A respondent hangs-up or terminates a call attempt before answering the number of adults question. This differs from 315 in that the respondent explicitly refuses.	Give final disposition after second hang-up or termination or when a first-time hang-up or termination will not be called a second time because of an irate respondent. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.
315	Household Contact, Eligibility Undetermined	A respondent verified that the number reaches a private residence and asked to be called again later but the number of adults in the household was never determined. On the surface, this is a postponement that was never re-started but may be an implicit refusal.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
320	Language Problem before Respondent Selection	A respondent who does not speak English or another language for which an interviewer and translated questionnaire are available well enough to answer the screening questions answers the telephone twice before selection.	Give final disposition after second contact with a respondent who does not speak a language for which there is a translated questionnaire and interviewer available. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.
325	Impairment before Respondent Selection	A respondent whose physical or mental impairment prevents him or her from completing the screening questions answers the phone twice before respondent selection.	Give final disposition after second contact with a physically or mentally impaired respondent. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.
330	Termination, Unknown if Household	A respondent hangs-up or terminates a call attempt before confirming that the telephone number rings to a private residence.	Give final disposition after second termination or when a first-time hang-up or termination will not be called a second time because of an irate respondent. If the first occurrence is on the fifteenth or subsequent call attempt, give final disposition.

Code	Description	Definition	Callback Rules
332	Contact, Unknown if Household	A respondent did not verify that the telephone number reaches a private residence but asked to be called again. On the surface, this is a postponement that was never re-started but may be an implicit refusal. This differs from 330 in that the respondent never explicitly refuses.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
335	Answering Device, Message Confirms Household	One or more call attempts reached an answering machine but no person was ever spoken to. The message confirms that the telephone number reaches a private residence by using the words, "home," "house," "family," "residence" or a family name.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
340	Technological Barrier, Message Confirms Household	Call attempts reached a call blocking message, a message asking the caller to identify himself or herself, or other automated message, but no person. A message confirms that the telephone number reaches a private residence.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
345	Answering Device, Unsure If Household	One or more call attempts reached a telephone answering machine but no person. The message leaves open the possibility that the telephone number is reaching a private residence but it does not explicitly state so.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
350	Technological Barrier, Unsure if Household	Attempts reached a call blocking message, a message asking the caller to identify himself or herself, or other automated response, but no person. There is no message or a message does not specify if the number is a private residence.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.
355	Number Has Changed Status from Possible Household to Non-Working	On the second or subsequent call attempt, a telephone number responds with a message indicating that the telephone number called is a non-working number or has been changed and there is at least one relevant previous interim disposition indicating the number was working.	Give final disposition when notified.
360	No Answer	Among telephone numbers that no person or device ever answered, half or more of the call attempts resulted in a normal telephone ring that no one answered.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 15 call attempts, and (b) the 15 or more call attempts consist of at least 3 weekday, 3 weeknight, and 3 weekend calls.
365	Busy	Among telephone numbers which no person or device ever answered, more than half of the call attempts resulted in a normal busy signal.	Give final disposition only after (a) at least 5 calling occasions (each consisting of no more than 3 attempts at least 10 minutes apart) for a minimum total of 15 call attempts, and (b) the

Code	Description	Definition	Callback Rules
			15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls. If possible, contact the telephone company repair service to verify the number is in service.
370	On "Never Call" List	To be assigned to (those few) telephone numbers that the BRFSS State Coordinator has determined, before calling begins, should not be called.	This disposition should never be assigned to a telephone number with one or more call attempts.
400 Not Eligible 405	Out-of-state	The telephone number rings out-of-state.	Give final disposition when informed. This code should take priority over other possible final disposition codes.
410	Household, No Eligible Respondent	No one 18 years of age or older uses the telephone. To be assigned when no one in the household is 18 years of age or older or the telephone number is used by a teen under the age of 18 and the parents do not use that phone.	Give final disposition when informed.
420	Not a Household	The person answering the phone or an answering machine identifies the telephone number as a business, a group quarters, a vacant or seasonally vacant housing unit, a pager, a mobile phone, or a dedicated fax/data line.	Give final disposition when informed.
430	Dedicated Fax/data Line with No Human Contact	A telephone number used only as a fax, data, or modem line.	Give final disposition only after at least 2 calling occasions for a minimum of 6 attempts with at least one relevant interim disposition code.
440	Fast Busy	A telephone number with at least one interim disposition of 'Fast Busy' and all other interim dispositions are 'No Answer', 'Busy', 'Possible Non-working Number', or 'Circuit Busy'.	Give final disposition only after at least 2 calling occasions (each consisting of no more than 3 attempts at least one hour apart) for a minimum total of 6 call attempts with at least one relevant interim disposition code.
450	Non-working/Disconnected Number	Usually recognized by a tritone, a recording, a number that consistently rings to an incorrect number, or a number that cannot be verified by a respondent. This code also includes numbers that are pre-identified as non-working numbers by GENESYS.	Give final disposition when the criteria are met. If 15 call attempts are required, give final disposition only after at least 5 calling occasions for a minimum total of 15 call attempts, and the 15 or more call attempts consist of at least 3 weekday calls, 3 weeknight calls, and 3 weekend calls.

Table 4. BRFSS Call Dispositions, Frequency Distribution by Categories of Case Outcomes by State, 2002

State	COIN	TERE	KNHH	LIHH	AMUR	INHH	NCUS	BUNR	NOSN	Elig HH	Total Eligible	EUHH	Unknown	Ineligible	HH	TOTAL
AK	2,726	629	987	877	309	31	3,076	2,484	25,481	1,117	3,811	1,717	4,793	27,996	5,250	36,600
AL	3,154	678	1,582	1,224	105	23	750	1,909	8,122	1,080	4,172	2,572	3,322	10,054	6,661	17,547
AR	3,962	985	1,972	2,097	183	35	1,093	3,017	18,556	1,894	5,791	3,408	4,501	21,608	9,051	31,900
AZ	3,266	935	2,930	1,728	10	35	2,006	2,780	13,710	1,606	4,833	4,036	6,042	16,525	8,894	27,400
CA	4,262	1,681	4,083	2,806	1,299	65	3,023	5,376	24,793	3,287	7,502	6,629	9,651	30,234	12,897	47,388
CO	4,084	911	1,714	1,906	675	28	881	5,070	16,981	1,795	5,847	3,443	4,324	22,079	8,643	32,250
CT	5,607	2,229	7,704	4,042	119	83	3,773	6,970	27,823	3,705	9,268	10,433	14,206	34,876	19,665	58,350
DC	2,429	701	2,853	2,036	104	40	5,847	8,050	19,890	1,235	3,643	4,480	10,327	27,980	8,059	41,950
DE	4,037	683	3,318	1,219	714	56	1,688	3,397	24,188	1,981	6,012	3,959	5,647	27,641	9,313	39,300
FL	6,260	2,250	9,708	4,786	6	118	4,719	7,031	28,572	4,052	10,202	12,808	17,527	35,721	23,122	63,450
GA	5,140	1,887	4,064	4,108	545	65	2,163	5,842	27,036	3,002	8,067	7,677	9,840	32,943	15,264	50,850
GU	841	182	519	769	18	8	652	1,320	5,691	501	1,332	997	1,649	7,019	2,319	10,000
HI	6,002	790	1,986	2,111	1,198	19	4,079	5,958	35,807	2,280	8,280	3,807	7,886	41,784	10,908	57,950
IA	3,682	739	1,233	969	425	9	889	2,003	19,803	1,479	5,141	1,907	2,796	21,815	6,632	29,752
ID	5,102	1,120	2,214	2,655	332	32	1,462	4,009	24,624	2,181	7,218	4,205	5,667	28,665	11,123	41,550
IL	5,261	879	3,527	2,755	599	32	2,922	5,124	27,451	3,100	8,342	4,679	7,601	32,607	12,454	48,550
IN	5,892	1,859	3,790	3,890	524	32	2,029	5,154	28,580	3,407	9,196	6,759	8,788	33,766	15,463	51,750
KS	4,634	1,352	1,954	3,060	171	20	1,364	4,310	31,185	1,916	6,518	4,653	6,017	35,515	11,020	48,050
KY	7,080	986	3,407	3,836	377	26	1,551	4,253	35,788	2,001	9,074	6,618	8,169	40,067	15,335	57,304
LA	5,097	2,479	3,808	2,690	336	107	1,970	4,510	26,303	3,947	8,977	5,433	7,403	30,920	14,181	47,300
MA	7,540	3,455	10,307	4,368	113	110	6,919	11,130	45,158	5,700	13,129	12,654	19,573	56,398	25,780	89,100
MD	4,429	1,821	6,011	3,344	107	78	5,973	5,613	26,174	2,976	7,377	8,335	14,308	31,865	15,683	53,550
ME	2,450	750	1,269	636	22	22	1,008	1,470	9,573	1,051	3,489	1,638	2,646	11,065	5,127	17,200
MI	5,968	1,436	6,277	2,395	450	171	2,763	6,943	27,497	2,924	8,857	7,669	10,432	34,611	16,247	53,900
MN	4,499	10	1,322	2,083	549	59	1,321	2,326	18,731	22	4,516	3,947	5,268	21,116	7,973	30,900
MO	4,798	824	1,665	1,538	715	47	1,117	2,951	21,293	1,878	6,608	2,932	4,049	24,291	8,872	34,948
MS	4,150	1,218	2,104	2,031	267	38	1,211	3,299	18,782	2,015	6,100	3,670	4,881	22,119	9,541	33,100
MT	4,053	1,151	1,697	1,487	43	21	1,822	2,474	26,402	1,696	5,732	2,699	4,521	28,897	8,409	39,150
NC	6,796	1,368	3,496	2,107	301	37	1,521	4,662	21,412	2,635	9,383	4,685	6,206	26,111	13,804	41,700
ND	3,027	707	1,141	1,039	77	18	692	2,142	21,357	1,203	4,199	1,792	2,484	23,517	5,932	30,200
NE	4,397	626	1,750	1,127	18	22	914	2,788	21,958	958	5,341	2,577	3,491	24,768	7,922	33,600
NH	5,073	1,848	4,053	1,934	58	46	3,597	4,300	24,841	2,750	7,789	5,177	8,774	29,187	12,954	45,750

Table 4. BRFSS Call Dispositions, Frequency Distribution by Categories of Case Outcomes by State, 2002

State	COIN	TERE	KNHH	LIHH	AMUR	INHH	NCUS	BUNR	NOSN	Elig HH	Total Eligible	EUHH	Unknown	Ineligible	HH	TOTAL
NJ	6,263	2,690	10,868	5,404	476	249	10,066	11,613	47,264	4,777	10,956	14,745	24,811	59,126	25,474	94,893
NM	4,716	1,043	1,776	1,625	1,093	25	1,451	3,140	18,136	1,933	6,607	3,649	5,100	21,301	9,185	33,005
NV	3,164	475	571	2,820	448	79	1,467	2,544	16,674	946	4,102	3,376	4,843	19,297	7,109	28,242
NY	4,552	1,637	4,745	4,399	730	35	3,304	6,465	23,633	3,536	8,002	8,061	11,365	30,133	15,368	49,500
OH	4,115	1,805	3,839	2,299	101	44	2,088	3,681	17,028	2,644	6,736	5,423	7,511	20,753	12,102	35,000
OK	6,819	1,135	2,327	1,868	693	79	1,699	4,118	29,536	2,293	9,066	3,776	5,475	33,733	12,228	48,274
OR	3,111	857	1,782	1,672	175	26	1,141	2,966	13,620	1,519	4,594	3,003	4,144	16,612	7,448	25,350
PA	13,719	4,326	9,195	9,373	1,406	345	6,579	12,738	71,519	7,961	21,452	16,567	23,146	84,602	36,958	129,200
PR	4,129	145	825	199	32	5	1,379	1,306	7,752	724	4,846	487	1,866	9,063	5,303	15,772
RI	3,873	1,426	3,896	1,754	27	42	1,989	3,587	21,656	2,359	6,202	4,774	6,763	25,285	10,991	38,250
SC	4,620	1,662	3,587	3,453	475	44	1,648	4,519	20,042	3,330	7,833	5,964	7,612	24,605	13,366	40,050
SD	4,816	1,141	1,471	1,520	119	20	879	2,883	30,351	1,577	6,365	2,702	3,581	33,254	8,968	43,200
TN	3,212	11	685	2,464	537	58	1,000	1,719	10,000	23	3,230	3,679	4,679	11,777	6,430	19,686
TX	6,262	2,282	6,590	6,046	917	107	4,181	8,378	47,387	4,928	11,135	11,062	15,243	55,872	21,287	82,150
UT	4,095	544	940	716	416	9	1,383	1,991	15,256	1,039	5,119	1,592	2,975	17,256	6,304	25,350
VA	4,462	1,152	2,855	1,899	306	10	1,606	3,061	15,445	2,250	6,642	4,032	5,638	18,516	10,378	30,796
VI	2,361	495	1,461	760	251	22	899	2,905	10,246	1,373	3,652	1,676	2,575	13,173	5,099	19,400
VT	4,259	1,121	2,332	1,109	38	23	5,180	3,098	27,290	1,702	5,941	2,918	8,098	30,411	8,844	44,450
WA	4,942	1,788	3,450	2,577	456	42	1,063	5,037	25,345	3,037	7,924	5,289	6,352	30,424	12,799	44,700
WI	4,403	970	1,903	1,346	0	21	769	2,344	13,694	1,713	6,069	2,553	3,322	16,059	8,643	25,450
WV	3,363	593	1,065	892	127	12	607	1,260	7,681	1,097	4,447	1,593	2,200	8,953	5,925	15,600
WY	3,574	717	1,417	1,059	143	19	865	2,613	15,843	1,308	4,854	2,056	2,921	18,475	6,786	26,250
Cumulative	250,529	67,183	172,025	128,907	19,735	2,849	126,038	230,631	1,258,960	123,443	371,420	266,972	393,009	1,492,440	621,493	2,256,857
Median	4,416	1,081	2,271	2,034	304	35	1,579	3,492	21,807	1,957	6,442	3,953	5,657	26,876	9,427	39,225

Table 5. BRFSS Call Dispositions, Percent Distribution by Categories of Case Outcomes by State, 2002

State	% COIN	% TERE	% KNHH	% LIHH	% AMUR	% INHH	% NCUS	% BUNR	% NOSN	% Elig HH	% Total Eligible	% EUHH	% Unknown	% Ineligible	% HH	TOTAL
AK	7.45%	1.72%	2.70%	2.40%	0.84%	0.08%	8.40%	6.79%	69.62%	3.05%	10.41%	4.69%	13.10%	76.49%	14.34%	36,600
AL	17.98%	3.86%	9.02%	6.98%	0.60%	0.13%	4.27%	10.88%	46.28%	6.15%	23.77%	14.66%	18.93%	57.29%	37.96%	17,548
AR	12.42%	3.09%	6.18%	6.57%	0.57%	0.11%	3.43%	9.46%	58.17%	5.94%	18.15%	10.68%	14.11%	67.74%	28.37%	31,900
AZ	11.92%	3.41%	10.69%	6.31%	0.04%	0.13%	7.32%	10.15%	50.04%	5.86%	17.64%	14.73%	22.05%	60.31%	32.46%	27,400
CA	8.99%	3.55%	8.62%	5.92%	2.74%	0.14%	6.38%	11.34%	52.32%	6.94%	15.83%	13.99%	20.37%	63.80%	27.22%	47,388
CO	12.66%	2.82%	5.31%	5.91%	2.09%	0.09%	2.73%	15.72%	52.65%	5.57%	18.13%	10.68%	13.41%	68.46%	26.80%	32,250
CT	9.61%	3.82%	13.20%	6.93%	0.20%	0.14%	6.47%	11.95%	47.68%	6.35%	15.88%	17.88%	24.35%	59.77%	33.70%	58,350
DC	5.79%	1.67%	6.80%	4.85%	0.25%	0.10%	13.94%	19.19%	47.41%	2.94%	8.68%	10.68%	24.62%	66.70%	19.21%	41,950
DE	10.27%	1.74%	8.44%	3.10%	1.82%	0.14%	4.30%	8.64%	61.55%	5.04%	15.30%	10.07%	14.37%	70.33%	23.70%	39,300
FL	9.87%	3.55%	15.30%	7.54%	0.01%	0.19%	7.44%	11.08%	45.03%	6.39%	16.08%	20.19%	27.62%	56.30%	36.44%	63,450
GA	10.11%	3.71%	7.99%	8.08%	1.07%	0.13%	4.25%	11.49%	53.17%	5.90%	15.86%	15.10%	19.35%	64.78%	30.02%	50,850
GU	8.41%	1.82%	5.19%	7.69%	0.18%	0.08%	6.52%	13.20%	56.91%	5.01%	13.32%	9.97%	16.49%	70.19%	23.19%	10,000
HI	10.36%	1.36%	3.43%	3.64%	2.07%	0.03%	7.04%	10.28%	61.79%	3.93%	14.29%	6.57%	13.61%	72.10%	18.82%	57,950
IA	12.38%	2.48%	4.14%	3.26%	1.43%	0.03%	2.99%	6.73%	66.56%	4.97%	17.28%	6.41%	9.40%	73.32%	22.29%	29,752
ID	12.28%	2.69%	5.33%	6.39%	0.80%	0.08%	3.52%	9.65%	59.26%	5.25%	17.37%	10.12%	13.64%	68.99%	26.77%	41,550
IL	10.84%	1.81%	7.26%	5.67%	1.23%	0.07%	6.02%	10.55%	56.54%	6.39%	17.18%	9.64%	15.66%	67.16%	25.65%	48,550
IN	11.39%	3.59%	7.32%	7.52%	1.01%	0.06%	3.92%	9.96%	55.23%	6.58%	17.77%	13.06%	16.98%	65.25%	29.88%	51,750
KS	9.64%	2.81%	4.07%	6.37%	0.36%	0.04%	2.84%	8.97%	64.90%	3.99%	13.57%	9.68%	12.52%	73.91%	22.93%	48,050
KY	12.37%	1.72%	5.94%	6.69%	0.66%	0.05%	2.71%	7.42%	62.45%	3.49%	15.83%	11.55%	14.25%	69.91%	26.77%	57,310
LA	10.77%	5.24%	8.05%	5.69%	0.71%	0.23%	4.16%	9.53%	55.61%	8.34%	18.98%	11.49%	15.65%	65.37%	29.98%	47,300
MA	8.46%	3.88%	11.57%	4.90%	0.13%	0.12%	7.77%	12.49%	50.68%	6.40%	14.74%	14.20%	21.97%	63.30%	28.93%	89,100
MD	8.27%	3.40%	11.23%	6.24%	0.20%	0.15%	11.15%	10.48%	48.88%	5.56%	13.78%	15.56%	26.72%	59.51%	29.29%	53,550
ME	14.25%	4.36%	7.38%	3.70%	0.13%	0.13%	5.86%	8.55%	55.66%	6.11%	20.28%	9.52%	15.38%	64.33%	29.81%	17,200
MI	11.07%	2.66%	11.65%	4.44%	0.83%	0.32%	5.13%	12.88%	51.01%	5.42%	16.43%	14.23%	19.35%	64.21%	30.14%	53,900
MN	14.56%	0.03%	4.28%	6.74%	1.78%	0.19%	4.28%	7.53%	60.62%	0.07%	14.61%	12.77%	17.05%	68.34%	25.80%	30,900
MO	13.73%	2.36%	4.76%	4.40%	2.05%	0.13%	3.20%	8.44%	60.93%	5.37%	18.91%	8.39%	11.59%	69.51%	25.39%	34,948
MS	12.54%	3.68%	6.36%	6.14%	0.81%	0.11%	3.66%	9.97%	56.74%	6.09%	18.43%	11.09%	14.75%	66.82%	28.82%	33,100
MT	10.35%	2.94%	4.33%	3.80%	0.11%	0.05%	4.65%	6.32%	67.44%	4.33%	14.64%	6.89%	11.55%	73.81%	21.48%	39,150
NC	16.30%	3.28%	8.38%	5.05%	0.72%	0.09%	3.65%	11.18%	51.35%	6.32%	22.50%	11.24%	14.88%	62.62%	33.10%	41,700
ND	10.02%	2.34%	3.78%	3.44%	0.25%	0.06%	2.29%	7.09%	70.72%	3.98%	13.90%	5.93%	8.23%	77.87%	19.64%	30,200
NE	13.09%	1.86%	5.21%	3.35%	0.05%	0.07%	2.72%	8.30%	65.35%	2.85%	15.90%	7.67%	10.39%	73.71%	23.58%	33,600
NH	11.09%	4.04%	8.86%	4.23%	0.13%	0.10%	7.86%	9.40%	54.30%	6.01%	17.03%	11.32%	19.18%	63.80%	28.31%	45,750
NJ	6.60%	2.83%	11.45%	5.69%	0.50%	0.26%	10.61%	12.24%	49.81%	5.03%	11.55%	15.54%	26.15%	62.31%	26.84%	94,893
NM	14.30%	3.16%	5.38%	4.92%	3.31%	0.08%	4.40%	9.51%	54.94%	5.86%	20.02%	11.05%	15.45%	64.53%	27.84%	33,008
NV	11.20%	1.68%	2.02%	9.99%	1.59%	0.28%	5.19%	9.01%	59.04%	3.35%	14.52%	11.95%	17.15%	68.33%	25.17%	28,242
NY	9.20%	3.31%	9.59%	8.89%	1.47%	0.07%	6.67%	13.06%	47.74%	7.14%	16.17%	16.28%	22.96%	60.87%	31.05%	49,500
OH	11.76%	5.16%	10.97%	6.57%	0.29%	0.13%	5.97%	10.52%	48.65%	7.55%	19.25%	15.49%	21.46%	59.29%	34.58%	35,000
OK	14.13%	2.35%	4.82%	3.87%	1.44%	0.16%	3.52%	8.53%	61.18%	4.75%	18.78%	7.82%	11.34%	69.88%	25.33%	48,274
OR	12.27%	3.38%	7.03%	6.60%	0.69%	0.10%	4.50%	11.70%	53.73%	5.99%	18.12%	11.85%	16.35%	65.53%	29.38%	25,350
PA	10.62%	3.35%	7.12%	7.25%	1.09%	0.27%	5.09%	9.86%	55.36%	6.16%	16.60%	12.82%	17.91%	65.48%	28.61%	129,200
PR	26.19%	0.92%	5.23%	1.26%	0.20%	0.03%	8.74%	8.28%	49.14%	4.59%	30.72%	3.09%	11.83%	57.45%	33.64%	15,775



Table 5. BRFSS Call Dispositions, Percent Distribution by Categories of Case Outcomes by State, 2002

State	% COIN	% TERE	% KNHH	% LIHH	% AMUR	% INHH	% NCUS	% BUNR	% NOSN	% Elig HH	% Total Eligible	% EUHH	% Unknown	% Ineligible	% HH	TOTAL
RI	10.13%	3.73%	10.19%	4.59%	0.07%	0.11%	5.20%	9.38%	56.62%	6.17%	16.21%	12.48%	17.68%	66.10%	28.73%	38,250
SC	11.54%	4.15%	8.96%	8.62%	1.19%	0.11%	4.11%	11.28%	50.04%	8.31%	19.56%	14.89%	19.01%	61.44%	33.37%	40,050
SD	11.15%	2.64%	3.41%	3.52%	0.28%	0.05%	2.03%	6.67%	70.26%	3.65%	14.73%	6.25%	8.29%	76.98%	20.76%	43,200
TN	16.32%	0.06%	3.48%	12.52%	2.73%	0.29%	5.08%	8.73%	50.80%	0.12%	16.41%	18.69%	23.77%	59.82%	32.66%	19,686
TX	7.62%	2.78%	8.02%	7.36%	1.12%	0.13%	5.09%	10.20%	57.68%	6.00%	13.43%	13.47%	18.56%	68.01%	25.91%	82,150
UT	16.15%	2.15%	3.71%	2.82%	1.64%	0.04%	5.46%	7.85%	60.18%	4.10%	20.19%	6.28%	11.74%	68.07%	24.87%	25,350
VA	14.49%	3.74%	9.27%	6.17%	0.99%	0.03%	5.21%	9.94%	50.15%	7.31%	21.57%	13.09%	18.31%	60.12%	33.70%	30,796
VI	12.17%	2.55%	7.53%	3.92%	1.29%	0.11%	4.63%	14.97%	52.81%	7.08%	18.82%	8.64%	13.27%	67.90%	26.28%	19,400
VT	9.58%	2.52%	5.25%	2.49%	0.09%	0.05%	11.65%	6.97%	61.39%	3.83%	13.37%	6.56%	18.22%	68.42%	19.90%	44,450
WA	11.06%	4.00%	7.72%	5.77%	1.02%	0.09%	2.38%	11.27%	56.70%	6.79%	17.73%	11.83%	14.21%	68.06%	28.63%	44,700
WI	17.30%	3.81%	7.48%	5.29%	0.00%	0.08%	3.02%	9.21%	53.81%	6.73%	23.85%	10.03%	13.05%	63.10%	33.96%	25,450
WV	21.56%	3.80%	6.83%	5.72%	0.81%	0.08%	3.89%	8.08%	49.24%	7.03%	28.51%	10.21%	14.10%	57.39%	37.98%	15,600
WY	13.62%	2.73%	5.40%	4.03%	0.54%	0.07%	3.30%	9.95%	60.35%	4.98%	18.49%	7.83%	11.13%	70.38%	25.85%	26,250
Cumulative	11.10%	2.98%	7.62%	5.71%	0.87%	0.13%	5.58%	10.22%	55.78%	5.47%	16.46%	11.83%	17.41%	66.13%	27.54%	2,256,870
Median	11.29%	2.89%	7.07%	5.71%	0.76%	0.10%	4.64%	9.90%	55.48%	5.86%	16.81%	11.16%	15.65%	66.40%	28.08%	39,225
Minimum	5.79%	0.03%	2.02%	1.26%	0.00%	0.03%	2.03%	6.32%	45.03%	0.07%	8.68%	3.09%	8.23%	56.30%	14.34%	10,000
Maximum	26.19%	5.24%	15.30%	12.52%	3.31%	0.32%	13.94%	19.19%	70.72%	8.34%	30.72%	20.19%	27.62%	77.87%	37.98%	129,200

Table 6. BRFSS Outcome Rates by State, 2002

State Name	Resolution Rate	Screening Completion Rate	Interview Completion Rate	Cooperation Rate	Overall Response Rate	CASRO Response Rate
Alabama	88.2%	70.9%	82.3%	80.7%	48.5%	61.3%
Alaska	88.4%	77.4%	81.3%	79.4%	51.1%	62.2%
Arizona	86.3%	59.1%	77.7%	75.0%	38.2%	52.7%
Arkansas	89.4%	71.6%	80.1%	76.6%	44.9%	58.8%
California	85.0%	59.5%	71.7%	62.5%	31.5%	45.2%
Colorado	89.3%	74.6%	81.8%	79.3%	46.0%	60.5%
Connecticut	86.4%	50.7%	71.6%	69.2%	29.5%	45.8%
Delaware	90.8%	59.0%	85.5%	84.2%	41.9%	57.5%
District of Columbia	81.0%	52.6%	77.6%	75.5%	31.2%	50.3%
Florida	85.0%	47.1%	73.6%	70.2%	28.2%	44.4%
Georgia	86.6%	63.6%	73.1%	70.7%	34.2%	51.4%
Guam	85.6%	66.5%	82.2%	73.8%	38.0%	52.7%
Hawaii	87.3%	77.4%	88.4%	76.6%	52.0%	62.6%
Idaho	89.3%	73.9%	82.0%	79.8%	46.7%	61.0%
Illinois	87.1%	63.6%	85.7%	82.7%	42.2%	53.2%
Indiana	87.5%	67.3%	76.0%	74.4%	38.7%	53.2%
Iowa	92.3%	78.2%	83.3%	80.2%	54.3%	64.9%
Kansas	90.4%	75.5%	77.4%	76.7%	43.5%	62.2%
Kentucky	89.9%	70.4%	87.8%	86.6%	47.3%	67.0%
Louisiana	89.4%	66.9%	67.3%	64.8%	36.6%	47.9%
Maine	90.3%	71.7%	76.6%	75.0%	49.2%	59.4%
Maryland	82.4%	51.3%	70.9%	68.8%	29.3%	44.0%
Massachusetts	87.2%	51.9%	68.6%	65.6%	30.2%	44.8%
Michigan	89.6%	54.7%	80.6%	78.0%	37.1%	54.3%
Minnesota	87.2%	77.6%	99.8%	99.8%	55.6%	82.6%
Mississippi	89.4%	72.0%	77.3%	74.8%	44.2%	58.0%
Missouri	90.4%	77.3%	85.3%	83.1%	52.3%	64.2%
Montana	91.4%	75.5%	77.9%	76.3%	49.8%	62.5%
Nebraska	93.9%	74.2%	87.5%	86.9%	57.3%	73.8%
Nevada	83.2%	86.7%	86.9%	85.2%	44.7%	63.9%
New Hampshire	87.8%	63.2%	73.3%	71.8%	40.4%	52.6%
New Jersey	83.2%	45.8%	70.0%	66.4%	25.2%	42.2%
New Mexico	87.4%	76.5%	81.9%	79.5%	48.1%	60.4%
New York	83.0%	56.7%	73.6%	70.2%	29.8%	43.8%
North Carolina	90.6%	70.1%	83.2%	80.9%	50.0%	61.6%
North Dakota	94.0%	76.7%	81.1%	79.6%	52.4%	66.2%
Ohio	87.2%	60.8%	69.5%	68.0%	35.1%	48.0%
Oklahoma	91.2%	77.5%	85.7%	84.3%	54.9%	66.7%
Oregon	88.2%	69.1%	78.4%	76.1%	42.7%	56.7%
Pennsylvania	86.6%	66.7%	76.0%	73.8%	37.5%	52.5%
Puerto Rico	89.8%	83.8%	96.6%	93.1%	79.3%	75.2%
Rhode Island	90.1%	57.8%	73.1%	69.9%	36.5%	51.4%
South Carolina	86.1%	63.8%	73.5%	71.4%	35.1%	47.8%
South Dakota	94.2%	80.2%	80.8%	80.2%	55.1%	69.4%
Tennessee	79.7%	82.7%	99.7%	99.7%	49.2%	75.8%
Texas	86.4%	56.8%	73.3%	71.0%	29.7%	46.2%
Utah	90.1%	83.2%	88.3%	86.4%	63.2%	70.6%
Vermont	85.8%	69.9%	79.2%	77.8%	49.6%	58.6%
Virgin Islands	90.0%	66.8%	82.7%	79.7%	46.0%	56.2%

Table 6. BRFSS Outcome Rates by State, 2002

---

State Name	Resolution Rate	Screening Completion Rate	Interview Completion Rate	Cooperation Rate	Overall Response Rate	CASRO Response Rate
------------	--------------------	---------------------------------	---------------------------------	---------------------	-----------------------------	------------------------

Table 6. BRFSS Outcome Rates by State, 2002

State Name	Resolution Rate	Screening Completion Rate	Interview Completion Rate	Cooperation Rate	Overall Response Rate	CASRO Response Rate
Washington	90.8%	66.2%	73.4%	69.5%	38.9%	53.5%
West Virginia	89.6%	78.8%	85.0%	82.2%	57.7%	65.0%
Wisconsin	91.7%	73.9%	81.8%	80.2%	52.7%	62.9%
Wyoming	92.1%	75.3%	83.3%	81.4%	53.6%	65.4%
Maximum	94.2%	86.7%	99.8%	99.8%	79.3%	82.6%
Median	88.3%	70.0%	80.4%	76.7%	44.5%	58.3%
Minimum	79.7%	45.8%	67.3%	62.5%	25.2%	42.2%

Table 7. Percentage of Females in BRFSS and Population Data by State, 2002

State	BRFSS Percent	Population Percent	Difference
Alabama	64.64%	52.81%	11.83%
Mississippi	64.45%	52.87%	11.58%
Kentucky	63.53%	52.03%	11.50%
Nebraska	61.08%	51.53%	9.56%
Georgia	61.16%	51.65%	9.51%
Arizona	60.03%	50.72%	9.31%
North Carolina	60.89%	51.85%	9.04%
Guam	56.58%	47.62%	8.96%
Louisiana	61.26%	52.70%	8.56%
Alaska	56.82%	48.27%	8.55%
Puerto Rico	61.50%	52.95%	8.55%
New Jersey	60.61%	52.44%	8.17%
West Virginia	60.28%	52.24%	8.04%
Texas	58.88%	51.09%	7.79%
Arkansas	59.88%	52.16%	7.72%
Delaware	59.78%	52.46%	7.31%
Colorado	57.39%	50.10%	7.29%
Oregon	58.32%	51.09%	7.22%
Indiana	58.96%	51.81%	7.15%
South Carolina	59.52%	52.40%	7.12%
Washington	57.95%	50.83%	7.12%
Oklahoma	58.80%	51.72%	7.07%
Hawaii	56.91%	50.19%	6.71%
Maine	58.79%	52.22%	6.57%
Kansas	57.98%	51.42%	6.56%
Missouri	58.92%	52.39%	6.52%
Illinois	58.40%	51.91%	6.49%
Florida	58.53%	52.06%	6.47%
Maryland	59.21%	52.75%	6.46%
California	57.24%	50.82%	6.42%
Michigan	58.21%	51.83%	6.39%
Wyoming	56.51%	50.17%	6.34%
Pennsylvania	58.99%	52.74%	6.26%
New Mexico	57.83%	51.64%	6.19%
Rhode Island	59.05%	53.08%	5.96%
Iowa	57.79%	51.87%	5.92%
New York	58.75%	52.87%	5.88%
North Dakota	56.53%	50.74%	5.79%
Ohio	58.13%	52.43%	5.69%
Idaho	56.10%	50.45%	5.65%
South Dakota	56.72%	51.16%	5.56%
New Hampshire	57.12%	51.58%	5.54%
Massachusetts	58.07%	52.88%	5.19%
Minnesota	56.18%	51.23%	4.95%
Virgin Islands	59.57%	54.75%	4.83%
Virginia	56.46%	51.74%	4.73%
Wisconsin	56.02%	51.35%	4.67%
Connecticut	56.81%	52.56%	4.26%
Vermont	55.72%	51.78%	3.94%
District of Columbia	57.52%	53.82%	3.71%
Montana	54.17%	50.82%	3.35%
Tennessee	55.18%	52.24%	2.94%
Utah	52.65%	50.61%	2.04%
Nevada	49.66%	49.42%	0.24%

Table 7. Percentage of Females in BRFSS and Population Data by State, 2002

State	BRFSS Percent	Population Percent	Difference
Median	58.26%	51.82%	6.48%
Mean	58.30%	51.68%	6.61%
Standard Deviation	2.58%	1.23%	2.22%
Range	14.98%	7.13%	11.59%

Table 8. Percentage of White Non-Hispanic People in BRFSS and Population Data by State, 2002\*

State	BRFSS Percent	Population Percent	Difference
District of Columbia	45.56%	31.88%	13.67%
Arizona	77.45%	68.18%	9.27%
Maryland	71.64%	63.23%	8.42%
Florida	74.63%	67.59%	7.04%
California	56.61%	49.77%	6.84%
South Carolina	74.08%	68.41%	5.67%
New York	68.88%	63.33%	5.56%
New Jersey	72.49%	67.09%	5.40%
Utah	90.29%	86.05%	4.24%
New Mexico	52.96%	48.75%	4.21%
Hawaii	29.21%	25.18%	4.03%
Illinois	73.69%	69.92%	3.78%
Delaware	78.00%	74.40%	3.60%
Washington	84.19%	80.73%	3.46%
Ohio	88.23%	85.21%	3.02%
Virginia	74.35%	71.41%	2.93%
Louisiana	67.70%	64.96%	2.74%
Minnesota	92.35%	89.67%	2.68%
Connecticut	81.67%	79.07%	2.60%
Arkansas	82.92%	80.50%	2.42%
Pennsylvania	87.71%	85.35%	2.36%
Mississippi	66.09%	63.76%	2.33%
Tennessee	82.79%	80.75%	2.03%
Michigan	82.22%	80.24%	1.98%
Georgia	66.33%	64.36%	1.97%
Kentucky	91.80%	89.89%	1.91%
Iowa	95.16%	93.49%	1.67%
Alabama	73.85%	72.18%	1.66%
Idaho	91.04%	89.55%	1.49%
Nebraska	90.05%	88.64%	1.42%
Kansas	85.99%	84.60%	1.40%
Wisconsin	90.33%	89.13%	1.21%
South Dakota	91.38%	90.45%	0.93%
Massachusetts	83.85%	83.11%	0.74%
Missouri	85.51%	84.99%	0.52%
Wyoming	90.50%	90.10%	0.40%
Texas	55.67%	55.29%	0.38%
Montana	91.45%	91.29%	0.16%
New Hampshire	95.11%	95.43%	-0.32%
Rhode Island	83.45%	83.80%	-0.35%
North Dakota	92.72%	93.14%	-0.42%
North Carolina	71.43%	71.95%	-0.53%
Vermont	95.84%	96.45%	-0.60%
Oklahoma	76.04%	76.72%	-0.67%
Alaska	70.26%	70.95%	-0.69%
Oregon	84.47%	85.17%	-0.70%
Maine	96.13%	96.96%	-0.82%
Colorado	75.68%	76.71%	-1.04%
Indiana	85.67%	86.80%	-1.13%
West Virginia	92.20%	94.82%	-2.62%
Nevada	64.88%	67.93%	-3.05%

Table 8. Percentage of White Non-Hispanic People in BRFSS and Population Data by State, 2002\*

State	BRFSS Percent	Population Percent	Difference
Median	82.79%	80.50%	1.91%
Mean	78.87%	76.65%	2.22%
Standard Deviation	13.90%	15.56%	3.10%
Range	66.92%	71.77%	16.72%

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



Table 9. Percentage of People Aged 18–24 in BRFSS and Population Data by State, 2002

State	BRFSS Percent	Population Percent	Difference
District of Columbia	9.98%	16.22%	6.25%
Virgin Islands	8.80%	14.88%	6.08%
New Jersey	5.65%	10.90%	5.25%
Kentucky	8.22%	13.43%	5.22%
South Dakota	9.37%	14.28%	4.91%
Utah	16.71%	21.38%	4.68%
Mississippi	10.58%	15.23%	4.65%
Alabama	8.83%	13.45%	4.62%
Kansas	9.57%	14.16%	4.59%
Idaho	10.78%	15.20%	4.42%
Oklahoma	9.91%	14.18%	4.28%
Nebraska	9.86%	14.09%	4.23%
North Carolina	9.44%	13.48%	4.04%
Arkansas	9.30%	13.33%	4.03%
Vermont	8.48%	12.40%	3.92%
South Carolina	9.85%	13.76%	3.91%
Rhode Island	9.66%	13.47%	3.81%
West Virginia	8.65%	12.43%	3.79%
Puerto Rico	13.69%	17.35%	3.66%
Minnesota	9.59%	13.15%	3.56%
New Mexico	10.38%	13.76%	3.39%
Iowa	10.52%	13.82%	3.30%
New Hampshire	8.18%	11.27%	3.09%
Oregon	9.91%	12.95%	3.05%
Wyoming	10.92%	13.92%	2.99%
Pennsylvania	8.91%	11.86%	2.96%
Ohio	9.77%	12.69%	2.92%
Tennessee	10.08%	13.00%	2.92%
Indiana	10.95%	13.85%	2.90%
Wisconsin	10.36%	13.21%	2.85%
Georgia	11.37%	14.16%	2.79%
Delaware	10.22%	12.97%	2.74%
Massachusetts	9.44%	12.16%	2.71%
Virginia	10.24%	12.91%	2.67%
Arizona	11.34%	13.85%	2.51%
Montana	10.50%	12.93%	2.44%
Michigan	10.58%	12.90%	2.33%
New York	10.29%	12.61%	2.32%
Missouri	10.84%	13.06%	2.22%
Maryland	9.42%	11.61%	2.19%
Guam	14.05%	16.09%	2.04%
Connecticut	8.80%	10.78%	1.98%
Texas	13.03%	14.96%	1.94%
Washington	11.17%	12.99%	1.81%
Maine	9.02%	10.79%	1.77%
Hawaii	11.26%	12.77%	1.52%
Louisiana	13.37%	14.82%	1.45%
North Dakota	14.20%	15.45%	1.25%
Colorado	12.61%	13.66%	1.05%
California	13.17%	13.95%	0.78%
Illinois	12.91%	13.44%	0.53%
Florida	10.58%	10.99%	0.42%
Alaska	13.13%	13.39%	0.26%
Nevada	12.83%	12.28%	-0.55%
Median	10.27%	13.44%	2.92%

Table 9. Percentage of People Aged 18–24 in BRFSS and Population Data by State, 2002

State	BRFSS Percent	Population Percent	Difference
Mean	10.58%	13.57%	2.99%
Standard Deviation	1.89%	1.73%	1.47%
Range	11.06%	10.61%	6.80%

Table 10. Percentage of People Aged 25–34 in BRFSS and Population Data by State, 2002

State	BRFSS Percent	Population Percent	Difference
Puerto Rico	15.00%	19.23%	4.24%
Kentucky	14.62%	17.98%	3.36%
Arizona	16.36%	19.09%	2.73%
New Jersey	15.64%	18.15%	2.50%
Virginia	16.45%	18.78%	2.33%
New Mexico	15.18%	17.21%	2.03%
Nevada	17.96%	19.93%	1.97%
Georgia	18.96%	20.90%	1.94%
Mississippi	16.12%	17.77%	1.65%
Alabama	15.86%	17.48%	1.63%
North Dakota	13.85%	15.46%	1.61%
Delaware	16.35%	17.82%	1.47%
Michigan	16.57%	17.88%	1.30%
Oklahoma	15.78%	17.01%	1.23%
Florida	15.29%	16.29%	1.00%
Illinois	18.12%	19.10%	0.97%
Louisiana	16.93%	17.85%	0.92%
Nebraska	16.22%	17.10%	0.87%
Maryland	17.53%	18.38%	0.84%
New Hampshire	15.89%	16.65%	0.75%
Washington	17.82%	18.52%	0.70%
West Virginia	14.99%	15.69%	0.70%
Maine	14.95%	15.57%	0.62%
North Carolina	18.69%	19.28%	0.59%
Iowa	15.37%	15.95%	0.58%
Missouri	16.51%	17.07%	0.56%
Hawaii	17.55%	17.98%	0.43%
South Carolina	17.60%	18.01%	0.42%
Wisconsin	16.64%	17.05%	0.41%
Arkansas	16.66%	17.04%	0.39%
Wyoming	15.58%	15.77%	0.19%
Connecticut	16.83%	16.98%	0.15%
Montana	14.81%	14.76%	-0.05%
California	20.63%	20.53%	-0.09%
Indiana	17.92%	17.80%	-0.12%
Minnesota	18.07%	17.92%	-0.15%
Oregon	17.86%	17.65%	-0.21%
Massachusetts	18.67%	18.44%	-0.23%
Colorado	20.44%	20.08%	-0.36%
Pennsylvania	16.49%	16.07%	-0.42%
Ohio	17.85%	17.32%	-0.53%
South Dakota	16.44%	15.91%	-0.53%
Vermont	16.16%	15.52%	-0.64%
Utah	21.78%	20.91%	-0.87%
Kansas	17.94%	17.06%	-0.88%
Idaho	18.58%	17.66%	-0.92%
Tennessee	19.28%	18.33%	-0.95%
Alaska	20.80%	19.78%	-1.02%
Rhode Island	18.13%	16.89%	-1.24%
New York	19.95%	18.61%	-1.34%
Texas	21.91%	20.46%	-1.44%
Virgin Islands	20.30%	18.84%	-1.46%
District of Columbia	26.48%	21.47%	-5.02%
Guam	27.19%	20.13%	-7.06%

Table 10. Percentage of People Aged 25–34 in BRFSS and Population Data by State, 2002

State	BRFSS Percent	Population Percent	Difference
Median	16.88%	17.83%	0.42%
Mean	17.62%	17.91%	0.29%
Standard Deviation	2.60%	1.57%	1.77%
Range	13.34%	6.71%	11.30%

Table 11. Percentage of People Aged 35–44 in BRFSS and Population Data, by State, 2002

State	BRFSS Percent	Population Percent	Difference
Rhode Island	22.94%	20.52%	2.41%
Virgin Islands	22.30%	20.08%	2.22%
West Virginia	20.37%	18.66%	1.71%
Wisconsin	22.62%	21.16%	1.46%
Ohio	22.00%	20.60%	1.40%
Delaware	22.28%	20.89%	1.39%
New Hampshire	24.41%	23.07%	1.34%
Massachusetts	22.27%	21.15%	1.13%
California	22.59%	21.50%	1.09%
Indiana	21.63%	20.59%	1.04%
North Dakota	20.62%	19.66%	0.96%
Kansas	21.52%	20.58%	0.94%
Illinois	21.82%	20.90%	0.92%
Guam	24.39%	23.64%	0.74%
Nebraska	20.95%	20.24%	0.71%
New Jersey	22.56%	21.88%	0.68%
Nevada	21.52%	20.87%	0.66%
North Carolina	21.02%	20.41%	0.60%
Puerto Rico	19.20%	18.60%	0.60%
Pennsylvania	20.55%	20.11%	0.45%
Virginia	22.08%	21.71%	0.37%
Oregon	20.02%	19.71%	0.31%
Maryland	22.70%	22.46%	0.24%
Maine	21.34%	21.11%	0.23%
Mississippi	20.00%	19.80%	0.20%
Utah	19.16%	19.08%	0.08%
South Dakota	20.24%	20.17%	0.06%
New York	20.72%	20.73%	-0.01%
South Carolina	20.05%	20.06%	-0.01%
Vermont	21.24%	21.31%	-0.06%
Kentucky	20.18%	20.33%	-0.15%
Texas	21.26%	21.47%	-0.21%
Georgia	21.54%	21.76%	-0.22%
District of Columbia	18.16%	18.42%	-0.26%
Idaho	19.83%	20.13%	-0.30%
Iowa	19.24%	19.56%	-0.33%
Connecticut	21.47%	21.85%	-0.38%
Missouri	20.15%	20.55%	-0.40%
Michigan	20.50%	21.02%	-0.52%
Florida	18.85%	19.41%	-0.56%
Hawaii	19.49%	20.13%	-0.63%
Alabama	19.21%	19.87%	-0.66%
Louisiana	19.61%	20.53%	-0.92%
Washington	20.54%	21.48%	-0.94%
Montana	19.38%	20.35%	-0.97%
Minnesota	20.96%	21.95%	-0.99%
New Mexico	19.74%	20.74%	-1.01%
Wyoming	19.70%	20.80%	-1.11%
Oklahoma	18.50%	19.71%	-1.21%
Arkansas	17.91%	19.20%	-1.29%
Tennessee	18.92%	20.29%	-1.37%
Arizona	17.88%	19.72%	-1.84%
Colorado	20.43%	22.30%	-1.87%
Alaska	22.72%	25.24%	-2.53%

Table 11. Percentage of People Aged 35–44 in BRFSS and Population Data, by State, 2002

State	BRFSS Percent	Population Percent	Difference
Median	20.59%	20.57%	0.03%
Mean	20.76%	20.70%	0.06%
Standard Deviation	1.51%	1.23%	1.04%
Range	6.53%	6.82%	4.94%

Table 12. Percentage of People Aged 45–54 in BRFSS and Population Data, by State, 2002

State	BRFSS Percent	Population Percent	Difference
Virginia	23.17%	19.36%	3.81%
Kansas	21.77%	18.62%	3.15%
New Mexico	22.48%	19.40%	3.08%
Puerto Rico	19.76%	16.77%	2.99%
New Jersey	21.77%	18.96%	2.80%
Arkansas	20.95%	18.15%	2.79%
Vermont	23.68%	21.06%	2.62%
Michigan	21.90%	19.29%	2.61%
Illinois	20.89%	18.39%	2.51%
Maine	22.92%	20.47%	2.45%
Minnesota	21.38%	19.00%	2.38%
Washington	22.29%	19.97%	2.32%
Indiana	21.10%	18.79%	2.31%
Mississippi	20.40%	18.13%	2.26%
Pennsylvania	21.03%	18.85%	2.18%
Utah	18.14%	16.21%	1.93%
Wyoming	22.84%	20.97%	1.87%
Connecticut	21.27%	19.42%	1.85%
North Dakota	20.22%	18.41%	1.81%
Iowa	20.35%	18.57%	1.78%
Kentucky	20.67%	18.92%	1.75%
Arizona	18.99%	17.25%	1.74%
Rhode Island	20.07%	18.35%	1.72%
Ohio	20.86%	19.15%	1.71%
Alabama	20.32%	18.69%	1.63%
Montana	22.29%	20.76%	1.53%
New York	20.03%	18.50%	1.53%
Massachusetts	20.18%	18.66%	1.52%
Wisconsin	20.52%	19.01%	1.51%
South Dakota	19.86%	18.39%	1.47%
Georgia	19.90%	18.60%	1.30%
Nevada	19.82%	18.71%	1.11%
Missouri	19.53%	18.46%	1.07%
New Hampshire	21.54%	20.56%	0.98%
Florida	18.29%	17.35%	0.94%
Louisiana	19.56%	18.68%	0.88%
Colorado	20.70%	19.85%	0.85%
North Carolina	19.30%	18.46%	0.84%
Idaho	19.89%	19.05%	0.84%
Tennessee	19.79%	18.98%	0.81%
Virgin Islands	20.33%	19.57%	0.75%
Hawaii	20.07%	19.33%	0.74%
Nebraska	19.30%	18.59%	0.71%
South Carolina	19.58%	18.96%	0.61%
Maryland	20.19%	19.83%	0.36%
Oregon	20.58%	20.30%	0.27%
Oklahoma	18.30%	18.35%	-0.05%
West Virginia	19.61%	19.88%	-0.27%
Texas	17.80%	18.07%	-0.27%
Delaware	17.97%	18.27%	-0.30%
District of Columbia	16.38%	17.07%	-0.69%
California	17.48%	18.21%	-0.73%
Alaska	21.80%	22.53%	-0.73%
Guam	17.52%	19.09%	-1.56%

Table 12. Percentage of People Aged 45–54 in BRFSS and Population Data, by State, 2002

State	BRFSS Percent	Population Percent	Difference
Median	20.27%	18.82%	1.53%
Mean	20.32%	18.95%	1.37%
Standard Deviation	1.53%	1.10%	1.13%
Range	7.29%	6.32%	5.37%



Table 13. Percentage of People Aged 55–64 in BRFSS and Population Data, by State, 2002

State	BRFSS Percent	Population Percent	Difference
Virgin Islands	17.16%	11.86%	5.31%
Oklahoma	16.51%	13.20%	3.31%
Arizona	15.17%	12.54%	2.63%
Mississippi	15.12%	12.70%	2.42%
South Carolina	15.61%	13.28%	2.32%
Oregon	14.88%	12.59%	2.29%
Puerto Rico	14.86%	12.66%	2.20%
Alabama	15.21%	13.34%	1.87%
Arkansas	15.64%	13.78%	1.86%
Wyoming	14.71%	13.06%	1.66%
Georgia	13.37%	11.75%	1.63%
Kentucky	14.60%	13.06%	1.54%
Maryland	14.23%	12.74%	1.50%
North Dakota	13.36%	11.88%	1.48%
Michigan	14.02%	12.55%	1.47%
Wisconsin	13.71%	12.24%	1.46%
New Mexico	14.35%	12.93%	1.42%
West Virginia	15.39%	14.01%	1.37%
New Hampshire	13.97%	12.65%	1.32%
Montana	14.82%	13.52%	1.30%
Missouri	14.30%	13.01%	1.29%
South Dakota	13.36%	12.08%	1.28%
Washington	13.38%	12.12%	1.26%
Pennsylvania	14.07%	12.89%	1.18%
Colorado	12.49%	11.32%	1.18%
Florida	14.58%	13.47%	1.12%
Louisiana	13.56%	12.46%	1.10%
Iowa	13.58%	12.56%	1.02%
Minnesota	12.93%	11.91%	1.02%
Utah	11.04%	10.03%	1.01%
Maine	14.47%	13.50%	0.98%
Tennessee	14.17%	13.26%	0.91%
Virginia	13.53%	12.62%	0.91%
North Carolina	13.58%	12.68%	0.90%
Guam	11.46%	10.57%	0.89%
Ohio	13.61%	12.72%	0.89%
Delaware	13.69%	12.97%	0.72%
California	12.04%	11.34%	0.70%
Kansas	12.56%	11.92%	0.64%
Idaho	12.95%	12.40%	0.54%
Texas	11.88%	11.40%	0.48%
New Jersey	13.12%	12.71%	0.41%
Hawaii	12.81%	12.47%	0.33%
District of Columbia	11.97%	11.65%	0.32%
Alaska	11.32%	11.01%	0.32%
Rhode Island	12.15%	11.87%	0.28%
Vermont	13.45%	13.19%	0.25%
Connecticut	13.07%	12.84%	0.23%
Massachusetts	12.22%	12.04%	0.18%
Indiana	12.73%	12.56%	0.17%
New York	12.61%	12.61%	0.00%
Nebraska	11.89%	11.99%	-0.09%
Illinois	11.77%	12.11%	-0.34%
Nevada	13.01%	13.67%	-0.66%

Table 13. Percentage of People Aged 55–64 in BRFSS and Population Data, by State, 2002

State	BRFSS Percent	Population Percent	Difference
Median	13.57%	12.60%	1.06%
Mean	13.63%	12.49%	1.14%
Standard Deviation	1.32%	0.79%	0.96%
Range	6.13%	3.99%	5.97%

Table 14. Percentage of People Aged 65 or Older in BRFSS and Population Data, by State, 2002

State	BRFSS Percent	Population Percent	Difference
Kentucky	21.27%	16.27%	5.00%
Nebraska	21.27%	18.00%	3.27%
Oklahoma	20.58%	17.54%	3.04%
Alabama	20.03%	17.17%	2.86%
New Jersey	20.05%	17.40%	2.64%
Arizona	19.84%	17.55%	2.29%
Puerto Rico	17.22%	15.38%	1.83%
Delaware	18.85%	17.08%	1.77%
New Mexico	17.57%	15.95%	1.62%
Alaska	9.59%	8.06%	1.53%
Idaho	17.05%	15.56%	1.49%
West Virginia	20.63%	19.33%	1.30%
North Carolina	16.96%	15.67%	1.29%
Tennessee	17.24%	16.15%	1.09%
South Dakota	20.23%	19.16%	1.07%
Minnesota	17.08%	16.07%	1.01%
Georgia	13.83%	12.84%	0.99%
Mississippi	17.24%	16.36%	0.88%
Hawaii	18.18%	17.31%	0.87%
Iowa	20.35%	19.54%	0.82%
Louisiana	16.40%	15.66%	0.74%
South Carolina	16.64%	15.91%	0.73%
Arkansas	19.06%	18.50%	0.56%
Utah	12.86%	12.39%	0.47%
Wyoming	15.72%	15.48%	0.24%
Nevada	14.77%	14.55%	0.22%
Missouri	18.05%	17.85%	0.21%
Colorado	12.89%	12.79%	0.11%
District of Columbia	15.02%	15.16%	-0.14%
Washington	14.76%	14.92%	-0.16%
Vermont	16.29%	16.52%	-0.23%
Texas	13.33%	13.63%	-0.30%
California	14.04%	14.46%	-0.43%
Michigan	15.85%	16.36%	-0.51%
Maryland	14.40%	14.98%	-0.58%
Oregon	16.20%	16.80%	-0.60%
Montana	16.98%	17.69%	-0.71%
Virginia	13.74%	14.62%	-0.88%
New Hampshire	14.66%	15.81%	-1.15%
Florida	21.31%	22.49%	-1.18%
Connecticut	16.87%	18.14%	-1.27%
Massachusetts	16.03%	17.56%	-1.54%
Wisconsin	15.77%	17.33%	-1.56%
Indiana	14.84%	16.41%	-1.58%
Illinois	14.30%	16.08%	-1.78%
Kansas	15.87%	17.67%	-1.80%
New York	15.04%	16.94%	-1.89%
North Dakota	17.21%	19.14%	-1.93%
Maine	16.55%	18.57%	-2.02%
Pennsylvania	18.08%	20.22%	-2.14%
Ohio	14.91%	17.53%	-2.61%
Rhode Island	15.87%	18.90%	-3.02%
Virgin Islands	9.54%	14.78%	-5.24%
Guam	5.06%	10.48%	-5.42%

Table 14. Percentage of People Aged 65 or Older in BRFSS and Population Data, by State, 2002

State	BRFSS Percent	Population Percent	Difference
Median	16.47%	16.39%	0.16%
Mean	16.37%	16.38%	-0.01%
Standard Deviation	3.09%	2.37%	1.94%
Range	16.26%	14.43%	10.42%

Table 15. Percentage of Respondents With Income Response “Unknown” (77), “Refused” (99), and Combined, by State, 2002

State	Percent Don't Know/Not Sure	Percent Refused	Percent Combined
Hawaii	17.02%	16.02%	33.04%
Delaware	8.70%	21.66%	30.36%
Kentucky	11.25%	17.93%	29.18%
North Carolina	7.94%	15.59%	23.54%
Tennessee	9.16%	13.25%	22.40%
New Jersey	5.00%	11.45%	16.45%
Connecticut	6.31%	10.05%	16.37%
Florida	6.43%	9.07%	15.49%
Nebraska	8.20%	7.15%	15.35%
Massachusetts	6.95%	8.17%	15.12%
Rhode Island	6.23%	8.61%	14.84%
Mississippi	8.87%	5.76%	14.63%
Guam	11.00%	3.46%	14.46%
Arizona	5.79%	8.46%	14.25%
New Hampshire	5.32%	8.60%	13.92%
Illinois	7.12%	6.76%	13.87%
Louisiana	8.42%	5.45%	13.87%
Maryland	5.09%	8.50%	13.59%
Virgin Islands	9.61%	3.89%	13.51%
Oklahoma	6.84%	6.64%	13.48%
West Virginia	9.09%	4.27%	13.37%
Michigan	6.11%	7.25%	13.36%
Pennsylvania	5.43%	7.63%	13.06%
Texas	8.18%	4.83%	13.01%
Nevada	5.12%	7.72%	12.84%
Minnesota	8.15%	4.62%	12.77%
Georgia	6.80%	5.84%	12.64%
Virginia	7.13%	5.49%	12.63%
Ohio	5.50%	7.06%	12.56%
Indiana	5.99%	6.52%	12.52%
Missouri	6.02%	6.35%	12.37%
New York	6.02%	6.26%	12.28%
South Carolina	6.02%	6.14%	12.16%
Arkansas	6.08%	5.95%	12.03%
Montana	5.49%	6.42%	11.91%
Alabama	5.60%	6.15%	11.76%
Maine	6.15%	5.41%	11.56%
Puerto Rico	10.30%	1.15%	11.46%
Wisconsin	3.61%	7.84%	11.45%
Vermont	5.60%	5.85%	11.45%
North Dakota	5.33%	6.10%	11.44%
Kansas	5.57%	5.80%	11.38%
District of Columbia	4.77%	6.59%	11.36%
Washington	4.14%	7.19%	11.33%
Oregon	6.21%	4.59%	10.80%
Iowa	4.78%	5.79%	10.57%
Alaska	5.84%	4.24%	10.08%
New Mexico	5.61%	4.46%	10.07%
Idaho	4.52%	5.26%	9.78%
Colorado	5.01%	4.42%	9.43%
South Dakota	4.76%	4.41%	9.18%
Utah	5.00%	4.10%	9.09%
Wyoming	4.11%	4.73%	8.85%

Table 15. Percentage of Respondents With Income Response “Unknown” (77), “Refused” (99), and Combined, by State, 2002

State	Percent Don't Know/Not Sure	Percent Refused	Percent Combined
California	3.06%	4.56%	7.62%
Median	6.02%	6.21%	12.63%
Mean	6.64%	7.18%	13.81%
Standard Deviation	2.31%	3.69%	5.02%
Range	13.96%	20.50%	25.42%