

# Traffic Safety Facts

2004 Data

## State Alcohol Estimates

The following data provides estimates of alcohol involvement in fatal crashes for the United States and individually for the 50 States, the District of Columbia, and Puerto Rico (not included in the National totals). These estimates are based on data from NHTSA's Fatality Analysis Reporting System (FARS). Unfortunately, blood alcohol concentration (BAC) test results are not available for all drivers and nonoccupants involved in fatal crashes. Missing data can result for a number of reasons, the most common being that people are not always tested for alcohol.

To address the missing data issue, NHTSA has developed and employs a statistical model to estimate the likelihood that a fatal crash-involved driver or nonoccupant was sober, had some alcohol, or was intoxicated at the time of the crash. The statistical model is based on important characteristics of the crash including crash factors (time of day, day of week, type of crash, location), vehicle factors (vehicle type and role in the crash), and person factors (age, sex, restraint use, previous driving violations), and whether or not the state had a 21-year-old minimum-drinking-age law.

The statistical model was developed using all available data in the aggregate (that is, at the national level) and applied to each individual driver and nonoccupant with an unknown BAC test result. The estimates presented include a mix of both known and estimated BACs.

A motor vehicle crash is considered to be *alcohol-related* if at least one driver or nonoccupant (such as a pedestrian or pedalcyclist) involved in the crash is determined to have had a BAC level of .01 gram per deciliter (g/dL) or higher. Thus, any fatality that occurs in an alcohol-related crash is considered an alcohol-related fatality. The term "alcohol-related" does not indicate that a crash or fatality was caused by the presence of alcohol.

Great caution should be exercised in comparing the levels of alcohol involvement among States. Differences in alcohol involvement can be due to any number of factors not necessarily directly related to a State's alcohol traffic safety program. Factors affecting alcohol involvement in fatal crashes include:

- Population demographics and the economic environment (older drivers and female drivers exhibit lower levels of alcohol involvement, drivers of older vehicles exhibit higher levels of alcohol involvement, pedestrians killed in traffic crashes exhibit high levels of alcohol involvement);
- Degree of urbanization (alcohol involvement in single- and multiple-vehicle crashes tends to be greater in urban fatal crashes, while alcohol involvement in nonoccupant fatal crashes is higher in rural areas);
- Type of vehicle (motorcycle drivers exhibit high levels of alcohol involvement, followed by drivers of light trucks/vans; drivers of medium and heavy trucks exhibit the lowest levels of alcohol involvement).

One of the major differences among States is in the degree of testing for driver and nonoccupant BACs. These differences in testing affect the accuracy and reliability of the estimates presented, which for 2004 range from a low of 7-percent-known BACs to a high of 82-percent-known BACs. States with higher rates of known BACs yield estimates of fatal crash alcohol involvement with greater accuracy and precision.

### **Estimates of Alcohol-Involved Fatalities**

The following tables estimate alcohol involvement for the Nation and on a State-by-State basis for 1982 and 2004 using NHTSA's discriminant function model as applied to the FARS data. This model estimates BACs of drivers and nonoccupants when their BAC levels are not available. The estimates presented represent a combination of known and estimated BACs.

An involved driver or nonoccupant is considered alcohol-related if he/she is involved in the fatal crash and exhibits a BAC of .01 or greater (the last column on the right in the tables). A fatality is considered alcohol-related if any driver or nonoccupant involved in the crash had a positive BAC. Estimates are presented in four categories:

- (1) BAC of .00
- (2) BAC of .01-.07
- (3) BAC of .08 or greater
- (4) BAC of .01 or greater (the sum of (2) and (3)).

Nationwide in 2004, alcohol was involved in 39 percent of the traffic fatalities (BAC .01-.07, 5%; BAC .08 or greater, 34%), translating to 16,694 alcohol-related fatalities.

Table 1

**Fatalities by Highest Blood Alcohol Concentration (BAC) in the Crash, 1982**

State	Total Fatalities	BAC = .00 g/dL		BAC = .01-.07 g/dL		BAC ≥ .08 g/dL		BAC ≥ .01 g/dL	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	839	353	42	51	6	436	52	486	58
Alaska	105	41	39	3	2	62	59	64	61
Arizona	724	302	42	46	6	376	52	422	58
Arkansas	550	216	39	30	5	304	55	334	61
California	4,615	1,816	39	316	7	2,484	54	2,799	61
Colorado	668	246	37	48	7	374	56	422	63
Connecticut	515	159	31	36	7	320	62	356	69
Delaware	122	41	33	8	6	74	60	82	67
Dist of Columbia	35	14	39	4	12	17	49	21	61
Florida	2,653	1,246	47	167	6	1,240	47	1,407	53
Georgia	1,229	479	39	100	8	651	53	750	61
Hawaii	163	60	37	9	5	94	58	103	63
Idaho	256	124	49	22	9	110	43	132	51
Illinois	1,651	637	39	136	8	879	53	1,014	61
Indiana	961	457	48	67	7	437	46	504	52
Iowa	480	230	48	31	6	219	46	250	52
Kansas	498	245	49	25	5	228	46	253	51
Kentucky	822	340	41	81	10	401	49	482	59
Louisiana	1,091	433	40	90	8	568	52	658	60
Maine	166	72	44	10	6	83	50	94	56
Maryland	640	280	44	40	6	319	50	360	56
Massachusetts	659	252	38	38	6	369	56	407	62
Michigan	1,392	521	37	91	7	780	56	871	63
Minnesota	571	249	44	30	5	291	51	322	56
Mississippi	730	307	42	39	5	384	53	423	58
Missouri	890	407	46	61	7	422	47	483	54
Montana	254	83	33	24	10	147	58	171	67
Nebraska	261	130	50	19	7	112	43	131	50
Nevada	280	89	32	21	7	170	61	191	68
New Hampshire	173	62	36	13	7	98	57	111	64
New Jersey	1,061	439	41	107	10	515	49	622	59
New Mexico	577	202	35	45	8	329	57	375	65
New York	2,162	1,031	48	154	7	977	45	1,131	52
North Carolina	1,303	476	37	84	6	743	57	827	63
North Dakota	148	51	34	12	8	85	58	97	66
Ohio	1,607	641	40	103	6	864	54	966	60
Oklahoma	1,054	446	42	85	8	523	50	608	58
Oregon	518	196	38	34	6	288	56	322	62
Pennsylvania	1,819	771	42	106	6	942	52	1,048	58
Rhode Island	105	35	33	6	6	65	61	71	67
South Carolina	730	289	40	38	5	402	55	441	60
South Dakota	148	58	39	9	6	82	55	90	61
Tennessee	1,055	388	37	70	7	597	57	668	63
Texas	4,213	1,413	34	231	5	2,570	61	2,801	66
Utah	295	175	59	15	5	105	36	120	41
Vermont	107	37	35	16	15	54	50	70	65
Virginia	881	388	44	55	6	438	50	493	56
Washington	748	266	36	37	5	445	60	482	64
West Virginia	450	206	46	18	4	226	50	244	54
Wisconsin	770	291	38	38	5	441	57	479	62
Wyoming	201	83	41	13	6	105	52	118	59
<b>U.S. Total</b>	<b>43,945</b>	<b>17,773</b>	<b>40</b>	<b>2,927</b>	<b>7</b>	<b>23,246</b>	<b>53</b>	<b>26,173</b>	<b>60</b>
Puerto Rico	480	214	44	24	5	242	50	267	56

Table 2  
**Fatalities by Highest Blood Alcohol Concentration (BAC) in the Crash, 2004**

State	Total Fatalities	BAC = .00 g/dL		BAC = .01-.07 g/dL		BAC ≥ .08 g/dL		BAC ≥ .01 g/dL	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	1,154	713	62	48	4	394	34	442	38
Alaska	101	70	69	1	1	30	30	31	31
Arizona	1,150	715	62	60	5	376	33	435	38
Arkansas	704	428	61	40	6	236	33	276	39
California	4,120	2,477	60	276	7	1,367	33	1,643	40
Colorado	665	406	61	34	5	225	34	259	39
Connecticut	291	164	56	15	5	112	38	127	44
Delaware	134	83	62	3	2	48	36	51	38
Dist of Columbia	43	26	59	5	12	12	28	18	41
Florida	3,244	2,023	62	169	5	1,053	32	1,222	38
Georgia	1,634	1,109	68	75	5	450	28	525	32
Hawaii	142	77	54	13	9	52	37	65	46
Idaho	260	167	64	12	4	81	31	93	36
Illinois	1,356	752	55	87	6	517	38	604	45
Indiana	947	648	68	45	5	254	27	299	32
Iowa	390	280	72	19	5	91	23	110	28
Kansas	461	313	68	27	6	121	26	148	32
Kentucky	964	656	68	39	4	269	28	308	32
Louisiana	904	490	54	69	8	345	38	414	46
Maine	194	124	64	11	6	58	30	70	36
Maryland	643	357	55	55	9	231	36	286	45
Massachusetts	476	274	57	22	5	181	38	203	43
Michigan	1,159	729	63	64	6	367	32	430	37
Minnesota	567	383	68	14	2	170	30	184	32
Mississippi	900	559	62	23	3	317	35	341	38
Missouri	1,130	681	60	62	5	388	34	449	40
Montana	229	124	54	6	3	100	43	106	46
Nebraska	254	162	64	14	5	78	31	92	36
Nevada	395	243	61	20	5	133	34	152	39
New Hampshire	171	112	65	8	5	51	30	59	35
New Jersey	731	461	63	42	6	227	31	270	37
New Mexico	521	310	60	26	5	185	36	211	40
New York	1,493	906	61	93	6	494	33	587	39
North Carolina	1,557	1,005	65	57	4	496	32	553	35
North Dakota	100	61	61	5	5	35	35	39	39
Ohio	1,286	794	62	75	6	418	32	492	38
Oklahoma	774	496	64	34	4	245	32	278	36
Oregon	456	257	56	40	9	159	35	199	44
Pennsylvania	1,490	877	59	72	5	541	36	614	41
Rhode Island	83	41	50	1	2	41	49	42	50
South Carolina	1,046	583	56	51	5	413	39	464	44
South Dakota	197	111	56	10	5	76	39	86	44
Tennessee	1,288	769	60	65	5	454	35	519	40
Texas	3,583	1,941	54	225	6	1,417	40	1,642	46
Utah	296	224	76	1	0	70	24	72	24
Vermont	98	66	68	12	12	20	20	32	32
Virginia	925	567	61	52	6	307	33	359	39
Washington	563	317	56	23	4	223	40	246	44
West Virginia	411	275	67	22	5	114	28	136	33
Wisconsin	792	434	55	40	5	318	40	358	45
Wyoming	164	105	64	5	3	54	33	59	36
<b>U.S. Total</b>	<b>42,636</b>	<b>25,942</b>	<b>61</b>	<b>2,285</b>	<b>5</b>	<b>14,409</b>	<b>34</b>	<b>16,694</b>	<b>39</b>
Puerto Rico	494	246	50	27	5	221	45	248	50

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## Estimates of Alcohol-Involved Drivers

The following tables estimate alcohol involvement for the Nation and on a State-by-State basis for 1982 and 2004 using NHTSA's discriminant function model as applied to the FARS data. This model estimates BACs of drivers and nonoccupants when their BAC levels are not available. The estimates presented represent a combination of known and estimated BACs.

An involved driver or nonoccupant is considered alcohol-related if he/she is involved in the fatal crash and exhibits a BAC of .01 or greater (the last column on the right in the tables). Estimates are presented in four categories:

- (1) BAC of .00
- (2) BAC of .01-.07
- (3) BAC of .08 or greater
- (4) BAC of .01 or greater (the sum of (2) and (3)).

Nationwide in 2004, alcohol was present in 24 percent of the drivers involved in fatal crashes (BAC .01-.07, 4%; BAC .08 or greater, 20%).

Table 3

**Drivers Involved in Fatal Crashes by Blood Alcohol Concentration (BAC) of the Driver, 1982**

State	Total Drivers Involved	BAC = .00 g/dL		BAC = .01-.07 g/dL		BAC ≥ .08 g/dL		BAC ≥ .01 g/dL	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	1,046	624	60	51	5	372	36	422	40
Alaska	143	77	53	8	6	58	41	67	47
Arizona	915	577	63	51	6	287	31	338	37
Arkansas	682	382	56	39	6	261	38	300	44
California	5,914	3,473	59	339	6	2,102	36	2,441	41
Colorado	817	441	54	55	7	322	39	376	46
Connecticut	678	338	50	47	7	292	43	340	50
Delaware	171	92	54	12	7	68	40	79	46
Dist of Columbia	50	31	62	4	8	15	30	19	38
Florida	3,564	2,358	66	189	5	1,018	29	1,206	34
Georgia	1,614	952	59	112	7	550	34	662	41
Hawaii	200	111	55	11	5	79	39	90	45
Idaho	287	174	61	21	7	93	32	113	39
Illinois	2,131	1,276	60	125	6	731	34	856	40
Indiana	1,269	814	64	67	5	388	31	455	36
Iowa	622	403	65	30	5	190	30	220	35
Kansas	646	426	66	25	4	196	30	220	34
Kentucky	1,015	619	61	71	7	326	32	396	39
Louisiana	1,407	829	59	114	8	464	33	578	41
Maine	208	128	61	8	4	72	35	80	39
Maryland	832	524	63	42	5	267	32	308	37
Massachusetts	831	463	56	44	5	324	39	368	44
Michigan	1,879	1,078	57	111	6	690	37	801	43
Minnesota	759	476	63	30	4	253	33	283	37
Mississippi	892	537	60	39	4	316	35	355	40
Missouri	1,141	726	64	53	5	362	32	415	36
Montana	299	149	50	28	9	123	41	150	50
Nebraska	342	228	67	17	5	97	28	114	33
Nevada	335	181	54	19	6	135	40	155	46
New Hampshire	223	125	56	13	6	85	38	98	44
New Jersey	1,369	844	62	106	8	419	31	525	38
New Mexico	660	362	55	42	6	256	39	298	45
New York	2,687	1,787	66	138	5	763	28	901	34
North Carolina	1,655	968	58	90	5	597	36	687	42
North Dakota	192	100	52	14	7	78	41	92	48
Ohio	2,045	1,171	57	110	5	764	37	874	43
Oklahoma	1,402	876	63	78	6	448	32	526	37
Oregon	653	363	56	39	6	251	38	290	44
Pennsylvania	2,368	1,442	61	118	5	808	34	926	39
Rhode Island	128	66	51	7	6	55	43	62	49
South Carolina	937	574	61	40	4	323	35	364	39
South Dakota	180	99	55	11	6	70	39	81	45
Tennessee	1,336	724	54	81	6	531	40	612	46
Texas	5,177	2,672	52	295	6	2,210	43	2,505	48
Utah	371	265	71	20	5	87	23	106	29
Vermont	121	66	54	12	10	43	35	55	46
Virginia	1,114	693	62	58	5	363	33	421	38
Washington	950	505	53	44	5	401	42	445	47
West Virginia	547	340	62	16	3	190	35	207	38
Wisconsin	991	540	54	49	5	403	41	451	46
Wyoming	234	137	59	12	5	85	36	97	41
<b>U.S. Total</b>	<b>56,029</b>	<b>33,202</b>	<b>59</b>	<b>3,152</b>	<b>6</b>	<b>19,676</b>	<b>35</b>	<b>22,827</b>	<b>41</b>
Puerto Rico	578	378	65	28	5	172	30	200	35

Table 4

**Drivers Involved in Fatal Crashes by Blood Alcohol Concentration (BAC) of the Driver, 2004**

State	Total Drivers Involved	BAC = .00 g/dl		BAC = .01-.07 g/dl		BAC ≥ .08 g/dl		BAC ≥ .01 g/dl	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	1,535	1,143	74	49	3	342	22	392	26
Alaska	140	110	79	3	2	27	19	30	21
Arizona	1,506	1,158	77	56	4	292	19	348	23
Arkansas	923	702	76	36	4	185	20	221	24
California	5,639	4,309	76	259	5	1,071	19	1,330	24
Colorado	947	738	78	31	3	178	19	209	22
Connecticut	407	287	71	15	4	105	26	120	29
Delaware	193	153	79	4	2	36	18	40	21
Dist of Columbia	69	51	74	6	9	12	17	18	26
Florida	4,575	3,599	79	167	4	809	18	976	21
Georgia	2,351	1,932	82	69	3	350	15	419	18
Hawaii	187	137	73	9	5	41	22	50	27
Idaho	338	254	75	13	4	72	21	85	25
Illinois	1,894	1,387	73	87	5	420	22	507	27
Indiana	1,343	1,093	81	39	3	211	16	250	19
Iowa	547	449	82	20	4	78	14	98	18
Kansas	620	493	79	24	4	104	17	127	21
Kentucky	1,312	1,054	80	33	3	225	17	258	20
Louisiana	1,260	906	72	66	5	288	23	354	28
Maine	256	190	74	11	4	55	22	67	26
Maryland	870	642	74	41	5	187	22	228	26
Massachusetts	615	434	71	23	4	158	26	181	29
Michigan	1,672	1,299	78	63	4	310	19	373	22
Minnesota	808	643	80	16	2	149	18	165	20
Mississippi	1,136	839	74	21	2	276	24	297	26
Missouri	1,489	1,094	73	61	4	334	22	395	27
Montana	273	176	65	7	3	90	33	97	35
Nebraska	350	267	76	14	4	70	20	83	24
Nevada	529	404	76	19	4	106	20	125	24
New Hampshire	235	179	76	8	3	48	21	56	24
New Jersey	1,087	862	79	41	4	184	17	225	21
New Mexico	628	491	78	18	3	120	19	138	22
New York	1,996	1,528	77	82	4	386	19	468	23
North Carolina	2,149	1,709	80	56	3	384	18	440	20
North Dakota	135	96	71	5	4	34	25	39	29
Ohio	1,811	1,382	76	68	4	361	20	429	24
Oklahoma	1,006	782	78	30	3	194	19	224	22
Oregon	584	433	74	31	5	120	21	151	26
Pennsylvania	2,101	1,556	74	66	3	479	23	545	26
Rhode Island	115	78	68	2	1	35	31	37	32
South Carolina	1,349	966	72	48	4	335	25	383	28
South Dakota	232	167	72	9	4	57	24	65	28
Tennessee	1,720	1,283	75	62	4	375	22	437	25
Texas	4,857	3,470	71	221	5	1,166	24	1,387	29
Utah	372	312	84	1	0	59	16	60	16
Vermont	125	96	77	11	9	18	14	29	23
Virginia	1,207	910	75	47	4	250	21	297	25
Washington	745	538	72	23	3	184	25	207	28
West Virginia	562	441	78	20	4	101	18	122	22
Wisconsin	1,072	757	71	44	4	271	25	315	29
Wyoming	208	154	74	6	3	49	23	55	26
<b>U.S. Total</b>	<b>58,080</b>	<b>44,128</b>	<b>76</b>	<b>2,161</b>	<b>4</b>	<b>11,791</b>	<b>20</b>	<b>13,952</b>	<b>24</b>
Puerto Rico	624	433	69	30	5	161	26	191	31

## Availability of Known-BAC Test Results

The following tables present the percentage of drivers and nonoccupants involved in fatal crashes where a BAC test was given and the results were in the FARS file. Individual tables are presented for all drivers/nonoccupants, fatally injured drivers, and surviving drivers.

Nationwide in 2004, 17,096 fatally injured drivers had BAC test results out of a total of 26,756, (64%). For surviving drivers, BAC test results were known on 7,706 out of 31,324 drivers, (25%). Overall in 2004, FARS contained BAC test results on a total of 24,802 drivers out of 58,080 involved in fatal crashes, (43%). Statistics for the base year 1982 are also presented. Any individual State proportion greater than the National percentage is considered good. The higher the proportion of drivers with known BAC test results, the more reliable the State estimate.



Table 5  
**Driver Fatalities by State and Blood Alcohol Concentration (BAC) Test Status, 1982**

State	Total Driver Fatalities	With Known Results		With Unknown Results		Not Tested		Unknown if Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	510	89	17	202	40	215	42	4	1
Alaska	63	27	43	2	3	28	44	6	10
Arizona	353	187	53	49	14	78	22	39	11
Arkansas	324	37	11	1	0	228	70	58	18
California	2,604	2,279	88	2	0	321	12	2	0
Colorado	369	314	85	6	2	49	13	0	0
Connecticut	311	212	68	19	6	80	26	0	0
Delaware	75	69	92	0	0	6	8	0	0
Dist of Columbia	16	14	88	0	0	1	6	1	6
Florida	1,304	423	32	208	16	662	51	11	1
Georgia	734	467	64	34	5	233	32	0	0
Hawaii	87	79	91	0	0	8	9	0	0
Idaho	131	29	22	18	14	68	52	16	12
Illinois	901	639	71	66	7	172	19	24	3
Indiana	599	285	48	102	17	185	31	27	5
Iowa	317	133	42	56	18	117	37	11	3
Kansas	315	59	19	29	9	209	66	18	6
Kentucky	502	365	73	23	5	113	23	1	0
Louisiana	591	128	22	249	42	209	35	5	1
Maine	99	50	51	5	5	43	43	1	1
Maryland	350	291	83	1	0	58	17	0	0
Massachusetts	370	44	12	239	65	19	5	68	18
Michigan	778	472	61	32	4	270	35	4	1
Minnesota	319	250	78	11	3	38	12	20	6
Mississippi	437	38	9	12	3	58	13	329	75
Missouri	534	144	27	12	2	153	29	225	42
Montana	148	79	53	0	0	34	23	35	24
Nebraska	161	89	55	13	8	33	20	26	16
Nevada	165	149	90	0	0	16	10	0	0
New Hampshire	107	51	48	9	8	47	44	0	0
New Jersey	524	453	86	3	1	68	13	0	0
New Mexico	305	253	83	21	7	27	9	4	1
New York	994	618	62	8	1	111	11	257	26
North Carolina	726	327	45	112	15	284	39	3	0
North Dakota	105	4	4	32	30	62	59	7	7
Ohio	899	390	43	128	14	277	31	104	12
Oklahoma	652	467	72	0	0	185	28	0	0
Oregon	293	269	92	2	1	22	8	0	0
Pennsylvania	1,061	734	69	80	8	247	23	0	0
Rhode Island	53	50	94	0	0	2	4	1	2
South Carolina	413	205	50	54	13	151	37	3	1
South Dakota	85	61	72	0	0	24	28	0	0
Tennessee	646	466	72	2	0	177	27	1	0
Texas	2,378	42	2	669	28	1,667	70	0	0
Utah	157	126	80	7	4	23	15	1	1
Vermont	59	51	86	1	2	5	8	2	3
Virginia	489	358	73	99	20	31	6	1	0
Washington	441	358	81	14	3	1	0	68	15
West Virginia	260	195	75	6	2	58	22	1	0
Wisconsin	459	390	85	6	1	58	13	5	1
Wyoming	117	87	74	10	9	20	17	0	0
<b>U.S. Total</b>	<b>24,690</b>	<b>13,396</b>	<b>54</b>	<b>2,654</b>	<b>11</b>	<b>7,251</b>	<b>29</b>	<b>1,389</b>	<b>6</b>
Puerto Rico	162	94	58	0	0	67	41	1	1

Table 6  
**Driver Fatalities by State and Blood Alcohol Concentration (BAC) Test Status, 2004**

State	Total Driver Fatalities	With Known Results		With Unknown Results		Not Tested		Unknown if Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	798	46	6	1	0	323	40	428	54
Alaska	72	24	33	5	7	43	60	0	0
Arizona	609	299	49	88	14	27	4	195	32
Arkansas	472	266	56	0	0	90	19	116	25
California	2,294	2,056	90	25	1	212	9	1	0
Colorado	399	181	45	46	12	61	15	111	28
Connecticut	201	119	59	5	2	10	5	67	33
Delaware	83	55	66	4	5	22	27	2	2
Dist of Columbia	25	21	84	0	0	2	8	2	8
Florida	1,910	1,116	58	90	5	703	37	1	0
Georgia	1,064	500	47	122	11	442	42	0	0
Hawaii	74	69	93	4	5	0	0	1	1
Idaho	165	127	77	5	3	31	19	2	1
Illinois	844	746	88	2	0	84	10	12	1
Indiana	642	466	73	15	2	161	25	0	0
Iowa	256	86	34	10	4	160	63	0	0
Kansas	312	139	45	1	0	145	46	27	9
Kentucky	674	384	57	17	3	273	41	0	0
Louisiana	574	227	40	226	39	40	7	81	14
Maine	138	120	87	0	0	18	13	0	0
Maryland	389	309	79	9	2	39	10	32	8
Massachusetts	291	71	24	107	37	32	11	81	28
Michigan	712	481	68	25	4	206	29	0	0
Minnesota	389	235	60	30	8	72	19	52	13
Mississippi	652	280	43	1	0	358	55	13	2
Missouri	754	616	82	3	0	86	11	49	6
Montana	160	134	84	5	3	18	11	3	2
Nebraska	171	150	88	0	0	21	12	0	0
Nevada	230	179	78	2	1	49	21	0	0
New Hampshire	118	115	97	0	0	2	2	1	1
New Jersey	432	288	67	1	0	70	16	73	17
New Mexico	277	245	88	16	6	13	5	3	1
New York	829	418	50	3	0	26	3	382	46
North Carolina	1,005	748	74	243	24	4	0	10	1
North Dakota	75	62	83	0	0	12	16	1	1
Ohio	860	756	88	7	1	97	11	0	0
Oklahoma	485	412	85	0	0	71	15	2	0
Oregon	283	238	84	30	11	14	5	1	0
Pennsylvania	1,000	807	81	112	11	59	6	22	2
Rhode Island	55	47	85	0	0	8	15	0	0
South Carolina	701	563	80	44	6	94	13	0	0
South Dakota	129	102	79	5	4	19	15	3	2
Tennessee	889	272	31	382	43	234	26	1	0
Texas	2,129	923	43	8	0	942	44	256	12
Utah	173	114	66	1	1	58	34	0	0
Vermont	66	63	95	0	0	1	2	2	3
Virginia	607	295	49	3	0	53	9	256	42
Washington	352	303	86	1	0	26	7	22	6
West Virginia	280	245	88	1	0	31	11	3	1
Wisconsin	556	502	90	0	0	47	8	7	1
Wyoming	101	76	75	0	0	23	23	2	2
<b>U.S. Total</b>	<b>26,756</b>	<b>17,096</b>	<b>64</b>	<b>1,705</b>	<b>6</b>	<b>5,632</b>	<b>21</b>	<b>2,323</b>	<b>9</b>
Puerto Rico	221	180	81	4	2	37	17	0	0

Table 7

**Surviving Drivers by State and Blood Alcohol Concentration (BAC) Test Status, 1982**

State	Total Surviving Drivers	With Known Results		With Unknown Results		Not Tested		Unknown if Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	536	10	2	108	20	415	77	3	1
Alaska	80	26	33	0	0	48	60	6	8
Arizona	562	64	11	20	4	399	71	79	14
Arkansas	358	41	11	0	0	281	78	36	10
California	3,310	684	21	65	2	2,413	73	148	4
Colorado	448	206	46	0	0	240	54	2	0
Connecticut	367	80	22	19	5	268	73	0	0
Delaware	96	72	75	0	0	23	24	1	1
Dist of Columbia	34	10	29	0	0	23	68	1	3
Florida	2,260	467	21	199	9	1,477	65	117	5
Georgia	880	325	37	15	2	539	61	1	0
Hawaii	113	17	15	1	1	95	84	0	0
Idaho	156	22	14	22	14	108	69	4	3
Illinois	1,230	54	4	30	2	1,094	89	52	4
Indiana	670	154	23	40	6	440	66	36	5
Iowa	305	36	12	13	4	244	80	12	4
Kansas	331	26	8	17	5	277	84	11	3
Kentucky	513	100	19	18	4	394	77	1	0
Louisiana	816	236	29	140	17	420	51	20	2
Maine	109	15	14	3	3	90	83	1	1
Maryland	482	25	5	32	7	423	88	2	0
Massachusetts	461	19	4	4	1	202	44	236	51
Michigan	1,101	219	20	13	1	861	78	8	1
Minnesota	440	120	27	103	23	150	34	67	15
Mississippi	455	35	8	4	1	162	36	254	56
Missouri	607	31	5	15	2	467	77	94	15
Montana	151	40	26	2	1	83	55	26	17
Nebraska	181	101	56	7	4	50	28	23	13
Nevada	170	79	46	1	1	90	53	0	0
New Hampshire	116	28	24	5	4	83	72	0	0
New Jersey	845	237	28	3	0	603	71	2	0
New Mexico	355	29	8	64	18	232	65	30	8
New York	1,693	45	3	23	1	933	55	692	41
North Carolina	929	5	1	157	17	744	80	23	2
North Dakota	87	10	11	20	23	55	63	2	2
Ohio	1,146	186	16	52	5	828	72	80	7
Oklahoma	750	41	5	42	6	665	89	2	0
Oregon	360	94	26	3	1	263	73	0	0
Pennsylvania	1,307	163	12	30	2	1,114	85	0	0
Rhode Island	75	8	11	6	8	54	72	7	9
South Carolina	524	24	5	85	16	390	74	25	5
South Dakota	95	49	52	0	0	46	48	0	0
Tennessee	690	304	44	2	0	377	55	7	1
Texas	2,799	78	3	195	7	2,524	90	2	0
Utah	214	130	61	8	4	76	36	0	0
Vermont	62	41	66	1	2	15	24	5	8
Virginia	625	7	1	34	5	582	93	2	0
Washington	509	137	27	33	6	307	60	32	6
West Virginia	287	50	17	5	2	230	80	2	1
Wisconsin	532	91	17	28	5	410	77	3	1
Wyoming	117	22	19	7	6	86	74	2	2
<b>U.S. Total</b>	<b>31,339</b>	<b>5,093</b>	<b>16</b>	<b>1,694</b>	<b>5</b>	<b>22,393</b>	<b>71</b>	<b>2,159</b>	<b>7</b>
Puerto Rico	416	65	16	5	1	343	82	3	1

Table 8  
**Surviving Drivers by State and Blood Alcohol Concentration (BAC) Test Status, 2004**

State	Total Surviving Drivers	With Known Results		With Unknown Results		Not Tested		Unknown if Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	737	67	9	1	0	424	58	245	33
Alaska	68	35	51	1	1	32	47	0	0
Arizona	897	57	6	55	6	518	58	267	30
Arkansas	451	177	39	0	0	184	41	90	20
California	3,345	705	21	66	2	2,526	76	48	1
Colorado	548	48	9	29	5	432	79	39	7
Connecticut	206	42	20	5	2	115	56	44	21
Delaware	110	35	32	1	1	72	65	2	2
Dist of Columbia	44	14	32	1	2	28	64	1	2
Florida	2,665	490	18	115	4	2,058	77	2	0
Georgia	1,287	309	24	62	5	916	71	0	0
Hawaii	113	51	45	9	8	53	47	0	0
Idaho	173	58	34	2	1	113	65	0	0
Illinois	1,050	228	22	9	1	806	77	7	1
Indiana	701	499	71	12	2	190	27	0	0
Iowa	291	95	33	6	2	190	65	0	0
Kansas	308	123	40	0	0	164	53	21	7
Kentucky	638	184	29	14	2	440	69	0	0
Louisiana	686	343	50	137	20	171	25	35	5
Maine	118	85	72	0	0	32	27	1	1
Maryland	481	62	13	17	4	389	81	13	3
Massachusetts	324	3	1	6	2	295	91	20	6
Michigan	960	334	35	59	6	567	59	0	0
Minnesota	419	166	40	37	9	130	31	86	21
Mississippi	484	104	21	3	1	370	76	7	1
Missouri	735	179	24	11	1	529	72	16	2
Montana	113	62	55	6	5	40	35	5	4
Nebraska	179	137	77	0	0	42	23	0	0
Nevada	299	101	34	6	2	192	64	0	0
New Hampshire	117	28	24	0	0	89	76	0	0
New Jersey	655	164	25	3	0	368	56	120	18
New Mexico	351	81	23	24	7	236	67	10	3
New York	1,167	61	5	3	0	55	5	1,048	90
North Carolina	1,144	10	1	100	9	1,029	90	5	0
North Dakota	60	8	13	1	2	51	85	0	0
Ohio	951	417	44	3	0	530	56	1	0
Oklahoma	521	70	13	23	4	423	81	5	1
Oregon	301	105	35	9	3	187	62	0	0
Pennsylvania	1,101	174	16	115	10	773	70	39	4
Rhode Island	60	0	0	3	5	53	88	4	7
South Carolina	648	521	80	74	11	53	8	0	0
South Dakota	103	74	72	1	1	27	26	1	1
Tennessee	831	191	23	244	29	396	48	0	0
Texas	2,728	518	19	3	0	1,969	72	238	9
Utah	199	113	57	1	1	85	43	0	0
Vermont	59	28	47	0	0	25	42	6	10
Virginia	600	4	1	14	2	506	84	76	13
Washington	393	84	21	2	1	287	73	20	5
West Virginia	282	31	11	13	5	237	84	1	0
Wisconsin	516	199	39	0	0	317	61	0	0
Wyoming	107	32	30	1	1	73	68	1	1
<b>U.S. Total</b>	<b>31,324</b>	<b>7,706</b>	<b>25</b>	<b>1,307</b>	<b>4</b>	<b>19,787</b>	<b>63</b>	<b>2,524</b>	<b>8</b>
Puerto Rico	403	217	54	13	3	173	43	0	0

Table 9

**Blood Alcohol Concentration (BAC) Test Status for Drivers, Pedestrians, and Pedalcyclists Involved in Fatal Traffic Crashes, 1982 and 2004**

State	1982			2004		
	Total Involved	Tested With Known Results		Total Involved	Tested With Known Results	
		Number	Percent		Number	Percent
Alabama	1,161	110	9	1,628	116	7
Alaska	159	58	36	154	60	39
Arizona	1,093	315	29	1,675	430	26
Arkansas	765	80	10	964	456	47
California	6,896	3,575	52	6,492	3,414	53
Colorado	925	596	64	1,037	263	25
Connecticut	773	332	43	440	176	40
Delaware	201	169	84	212	106	50
Dist of Columbia	64	33	52	82	42	51
Florida	4,420	1,067	24	5,228	1,953	37
Georgia	1,808	869	48	2,536	900	35
Hawaii	240	126	53	230	157	68
Idaho	315	52	17	358	195	54
Illinois	2,524	883	35	2,092	1,119	53
Indiana	1,405	470	33	1,435	1,014	71
Iowa	675	173	26	583	183	31
Kansas	703	88	13	647	268	41
Kentucky	1,143	523	46	1,370	589	43
Louisiana	1,681	397	24	1,386	609	44
Maine	237	70	30	268	212	79
Maryland	975	423	43	985	453	46
Massachusetts	996	72	7	717	97	14
Michigan	2,177	796	37	1,845	908	49
Minnesota	847	413	49	860	424	49
Mississippi	980	90	9	1,184	399	34
Missouri	1,263	201	16	1,585	856	54
Montana	322	125	39	282	202	72
Nebraska	376	200	53	360	294	82
Nevada	392	272	69	611	339	55
New Hampshire	249	89	36	253	158	62
New Jersey	1,686	889	53	1,269	541	43
New Mexico	773	369	48	690	378	55
New York	3,430	951	28	2,390	594	25
North Carolina	1,932	427	22	2,344	895	38
North Dakota	203	14	7	143	72	50
Ohio	2,353	650	28	1,927	1,261	65
Oklahoma	1,538	592	38	1,066	520	49
Oregon	732	410	56	637	371	58
Pennsylvania	2,728	1,063	39	2,273	1,090	48
Rhode Island	159	80	50	122	54	44
South Carolina	1,093	294	27	1,465	1,173	80
South Dakota	197	126	64	243	179	74
Tennessee	1,464	836	57	1,815	478	26
Texas	6,028	125	2	5,376	1,598	30
Utah	425	278	65	405	239	59
Vermont	141	104	74	133	99	74
Virginia	1,284	454	35	1,305	351	27
Washington	1,068	561	53	815	441	54
West Virginia	605	267	44	593	300	51
Wisconsin	1,114	554	50	1,144	758	66
Wyoming	257	121	47	211	110	52
<b>U.S. Total</b>	<b>64,975</b>	<b>21,832</b>	<b>34</b>	<b>63,865</b>	<b>27,894</b>	<b>44</b>
Puerto Rico	818	256	31	816	548	67

## **State-Level Estimates on a Regional Basis**

For the States in the various NHTSA regions, the following table summarizes the estimated percentages of fatalities that were alcohol-related (BAC of .01 or greater) in 1982 and 2004 and the estimated percentage of drivers involved in fatal crashes with BAC levels of .08 or higher.

Table 10

**Estimated Percent Alcohol-Related Fatalities and Drivers With BAC .08 or Greater in Fatal Crashes by Region and State, 1982 and 2004**

Region and State		Estimated Percent of Alcohol-Related Fatalities (Driver or Nonoccupant with BAC $\geq$ .01 g/dL)		Estimated Percent of Drivers in Fatal Crashes with BAC $\geq$ .08 g/dL	
		1982	2004	1982	2004
<b>New England Region</b>	Connecticut	69	44	43	26
	Maine	56	36	35	22
	Massachusetts	62	43	39	26
	New Hampshire	64	35	38	21
	Rhode Island	67	50	43	31
	Vermont	65	32	35	14
<b>Eastern Region</b>	New Jersey	59	37	31	17
	New York	52	39	28	19
	Puerto Rico	56	50	30	26
<b>Mid-Atlantic Region</b>	Delaware	67	38	40	18
	Dist of Columbia	61	41	30	17
	Maryland	56	45	32	22
	Pennsylvania	58	41	34	23
	Virginia	56	39	33	21
	West Virginia	54	33	35	18
<b>Southeast Region</b>	Alabama	58	38	36	22
	Florida	53	38	29	18
	Georgia	61	32	34	15
	Kentucky	59	32	32	17
	Mississippi	58	38	35	24
	North Carolina	63	35	36	18
	South Carolina	60	44	35	25
	Tennessee	63	40	40	22
<b>Great Lakes Region</b>	Illinois	61	45	34	22
	Indiana	52	32	31	16
	Michigan	63	37	37	19
	Minnesota	56	32	33	18
	Ohio	60	38	37	20
	Wisconsin	62	45	41	25
<b>South Central Region</b>	Arkansas	61	39	38	20
	Louisiana	60	46	33	23
	New Mexico	65	40	39	19
	Oklahoma	58	36	32	19
	Texas	66	46	43	24
<b>Central Region</b>	Iowa	52	28	30	14
	Kansas	51	32	30	17
	Missouri	54	40	32	22
	Nebraska	50	36	28	20
<b>Rocky Mountain Region</b>	Colorado	63	39	39	19
	Montana	67	46	41	33
	North Dakota	66	39	41	25
	South Dakota	61	44	39	24
	Utah	41	24	23	16
	Wyoming	59	36	36	23
<b>Western Region</b>	Arizona	58	38	31	19
	California	61	40	36	19
	Hawaii	63	46	39	22
	Nevada	68	39	40	20
<b>Northwest Region</b>	Alaska	61	31	41	19
	Idaho	51	36	32	21
	Oregon	62	44	38	21
	Washington	64	44	42	25
<b>U.S. Total</b>		<b>60</b>	<b>39</b>	<b>35</b>	<b>20</b>

\*Not included in U.S. Total.

**For more information:**

Information on State Alcohol Estimates is available from the National Center for Statistics and Analysis, NPO-101, 400 Seventh Street, SW., Washington, DC 20590. NCSA information can also be obtained by telephone or by fax-on-demand at 800-934-8517. Fax messages should be sent to 202-366-7078. General information on highway traffic safety can be accessed by Internet users at [www.nhtsa.dot.gov/people/nca](http://www.nhtsa.dot.gov/people/nca). To report a safety-related problem or to inquire about motor vehicle safety information, contact the Vehicle Safety Hotline at 888-327-4236.

Other fact sheets available from the National Center for Statistics and Analysis are *Overview, Alcohol, Occupant Protection, Older Population, Speeding, Children, Young Drivers, Pedestrians, Pedalcyclists, Motorcycles, Large Trucks, School Transportation-Related Crashes, and State Traffic Data*. Detailed data on motor vehicle traffic crashes are published annually in *Traffic Safety Facts: A Compilation of Motor Vehicle Crash Data from the Fatality Analysis Reporting System and the General Estimates System*.