

## State Alcohol-Impaired Driving 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, known 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 frequent of which is 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 (e.g., time of day, day of week, type of crash, location), vehicle factors (e.g., vehicle type and role in the crash), and person factors (e.g., 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 known 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.

In 2008, all 50 States, the District of Columbia, and Puerto Rico had by law created a threshold making it illegal per se to drive with a BAC of .08 grams per deciliter (g/dL) or higher.

Drivers are considered to be alcohol-impaired when their BAC is .08 g/dL or higher. Thus, any fatality occurring in a crash involving a driver with a BAC of .08 or higher is considered to be an alcohol-impaired-driving fatality. The term "driver" refers to the operator of any motor vehicle, including a motorcycle. The term "alcohol-impaired" does not indicate that a crash or a fatality was caused by alcohol impairment.

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);
- Degree of urbanization (alcohol involvement in single- and multi-vehicle crashes tends to be greater in urban fatal crashes); and

- Types of vehicles (motorcycle riders exhibit high levels of alcohol involvement followed by drivers of light trucks; drivers of large trucks exhibit the lowest levels of alcohol involvement).

One of the major differences among States is in the degree of testing for drivers involved in fatal traffic crashes. These differences in testing affect the accuracy and reliability of the estimates presented, and for 2008 range from a low of 22-percent-known BACs to a high of 83-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-Impaired Driving Fatalities**

The following tables estimate alcohol-impaired driving for the Nation and on a State-by-State basis for 1982 and 2008 using NHTSA's discriminant function model as applied to the FARS data. This model estimates BACs of drivers when their BACs are not available. The estimates presented represent the combination of known and estimated BACs.

A driver involved is considered alcohol-impaired if the driver exhibits a BAC of .08 or greater (the second-to-last column on the right in the tables). Estimates are presented for four categories:

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

Nationwide in 2008, alcohol-impaired driving was involved in 32 percent of traffic fatalities, translating to 11,773 alcohol-impaired driving fatalities.

Table 1

## Fatalities by Highest Driver or Motorcycle Rider BAC in the Crash, 1982

State	Total Fatalities*	BAC=.00		BAC=.01-.07		BAC=.08+		BAC=.01+	
	Number	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	839	388	46	49	6	400	48	449	53
Alaska	105	44	42	3	3	57	54	60	57
Arizona	724	358	50	44	6	318	44	363	50
Arkansas	550	227	41	34	6	284	52	318	58
California	4,615	2,019	44	307	7	2,261	49	2,568	56
Colorado	668	270	40	49	7	347	52	397	59
Connecticut	515	177	34	38	7	299	58	337	65
Delaware	122	47	39	9	7	66	54	75	61
Dist of Columbia	35	16	45	4	12	15	42	19	55
Florida	2,653	1,426	54	165	6	1,062	40	1,226	46
Georgia	1,229	528	43	99	8	602	49	701	57
Hawaii	163	64	39	9	6	89	55	99	60
Idaho	256	124	48	23	9	104	41	127	50
Illinois	1,651	731	44	130	8	789	48	919	56
Indiana	961	482	50	67	7	409	43	476	50
Iowa	480	236	49	30	6	207	43	238	50
Kansas	498	255	51	25	5	215	43	240	48
Kentucky	822	365	44	81	10	374	45	454	55
Louisiana	1,091	493	45	96	9	500	46	596	55
Maine	166	78	47	9	5	78	47	87	52
Maryland	640	318	50	41	6	278	43	319	50
Massachusetts	659	283	43	39	6	337	51	376	57
Michigan	1,392	586	42	94	7	709	51	803	58
Minnesota	571	269	47	30	5	267	47	297	52
Mississippi	730	332	45	38	5	360	49	398	55
Missouri	890	434	49	59	7	393	44	452	51
Montana	254	89	35	24	9	138	54	162	64
Nebraska	261	140	53	17	6	105	40	121	47
Nevada	280	104	37	20	7	153	55	173	62
New Hampshire	173	66	38	13	7	94	55	107	62
New Jersey	1,061	507	48	105	10	448	42	553	52
New Mexico	577	246	43	41	7	288	50	330	57
New York	2,162	1,188	55	136	6	836	39	973	45
North Carolina	1,303	572	44	83	6	646	50	729	56
North Dakota	148	55	37	12	8	82	55	93	63
Ohio	1,607	691	43	103	6	806	50	909	57
Oklahoma	1,054	483	46	82	8	487	46	569	54
Oregon	518	209	40	35	7	264	51	298	58
Pennsylvania	1,819	849	47	106	6	862	47	968	53
Rhode Island	105	40	38	5	5	60	57	65	62
South Carolina	730	350	48	37	5	343	47	380	52
South Dakota	148	64	43	10	7	74	50	84	57
Tennessee	1,055	412	39	70	7	565	54	636	60
Texas	4,213	1,603	38	247	6	2,358	56	2,605	62
Utah	295	182	62	16	5	95	32	111	38
Vermont	107	42	39	15	14	49	46	64	60
Virginia	881	425	48	54	6	396	45	450	51
Washington	748	290	39	37	5	420	56	457	61
West Virginia	450	219	49	18	4	209	46	227	50
Wisconsin	770	307	40	42	5	418	54	459	60
Wyoming	201	89	44	13	6	98	49	111	55
<b>National</b>	<b>43,945</b>	<b>19,771</b>	<b>45</b>	<b>2,912</b>	<b>7</b>	<b>21,113</b>	<b>48</b>	<b>24,025</b>	<b>55</b>
Puerto Rico	480	268	56	25	5	185	38	210	44

\*Includes fatalities in crashes in which there was no driver or motorcycle rider present.

Table 2

**Fatalities by Highest Driver or Motorcycle Rider BAC in the Crash, 2008**

State	Total Fatalities*	BAC=.00		BAC=.01-.07		BAC=.08+		BAC=.01+	
	Number	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	966	596	62	53	5	315	33	367	38
Alaska	62	39	62	3	5	21	33	24	38
Arizona	937	594	63	63	7	266	28	329	35
Arkansas	600	392	65	34	6	171	28	205	34
California	3,434	2,227	65	170	5	1,029	30	1,198	35
Colorado	548	346	63	29	5	173	32	202	37
Connecticut	264	156	59	19	7	86	32	104	40
Delaware	121	72	60	3	3	45	37	49	40
Dist of Columbia	34	21	61	4	13	9	26	13	39
Florida	2,978	1,930	65	165	6	875	29	1,041	35
Georgia	1,493	997	67	73	5	416	28	489	33
Hawaii	107	56	53	8	7	42	39	50	46
Idaho	232	138	60	14	6	78	34	93	40
Illinois	1,043	608	58	72	7	362	35	434	42
Indiana	814	564	69	42	5	208	26	250	31
Iowa	412	299	73	24	6	89	22	113	27
Kansas	385	225	59	12	3	145	38	157	41
Kentucky	826	599	73	26	3	200	24	226	27
Louisiana	912	508	56	66	7	338	37	404	44
Maine	155	108	70	4	3	43	28	47	30
Maryland	591	405	69	34	6	152	26	186	31
Massachusetts	363	210	58	27	8	124	34	151	42
Michigan	980	647	66	49	5	282	29	331	34
Minnesota	456	294	64	26	6	135	30	161	35
Mississippi	783	486	62	32	4	266	34	297	38
Missouri	960	595	62	53	6	310	32	364	38
Montana	229	124	54	12	5	91	40	103	45
Nebraska	208	132	63	20	10	55	27	75	36
Nevada	324	203	63	14	4	107	33	121	37
New Hampshire	139	87	62	8	6	45	32	53	38
New Jersey	590	392	66	43	7	154	26	197	33
New Mexico	366	248	68	13	4	105	29	118	32
New York	1,231	821	67	68	5	341	28	409	33
North Carolina	1,433	932	65	77	5	423	30	500	35
North Dakota	104	52	50	5	4	47	46	52	50
Ohio	1,190	774	65	60	5	356	30	415	35
Oklahoma	749	475	63	29	4	244	33	274	37
Oregon	416	256	61	23	6	136	33	159	38
Pennsylvania	1,468	886	60	81	6	496	34	578	39
Rhode Island	65	36	55	5	7	25	38	29	45
South Carolina	920	454	49	60	6	403	44	463	50
South Dakota	119	74	62	7	6	34	29	41	34
Tennessee	1,035	648	63	59	6	327	32	386	37
Texas	3,382	1,909	56	195	6	1,269	38	1,463	43
Utah	275	220	80	9	3	46	17	55	20
Vermont	73	58	79	3	5	12	16	15	21
Virginia	824	457	55	71	9	294	36	365	44
Washington	521	295	57	43	8	182	35	225	43
West Virginia	380	236	62	15	4	128	34	142	37
Wisconsin	605	355	59	42	7	208	34	250	41
Wyoming	159	84	53	8	5	67	42	75	47
<b>National</b>	<b>37,261</b>	<b>23,317</b>	<b>63</b>	<b>2,072</b>	<b>6</b>	<b>11,773</b>	<b>32</b>	<b>13,846</b>	<b>37</b>
Puerto Rico	399	236	59	30	7	132	33	162	41

\*Includes fatalities in crashes in which there was no driver or motorcycle rider present.

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## Estimates of Alcohol-Impaired Drivers

The following tables estimate alcohol-impaired driver involvement for the Nation and on a State-by-State basis for 1982 and 2008 using NHTSA's discriminant function model as applied to the FARS data. This model estimates BACs of drivers when their BACs are not available. The estimates presented represent the combination of known and estimated BACs.

A driver involved is considered alcohol-impaired if the driver exhibits a BAC of .08 or greater. Estimates are presented for 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 2008, 22 percent of the drivers involved in fatal crashes were alcohol-impaired.

Table 3

**Drivers Involved in Fatal Crashes by BAC of the Driver, 1982**

State	Total Drivers Involved	BAC=.00		BAC=.01-.07		BAC=.08+		BAC=.01+	
		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 BAC of the Driver, 2008**

State	Total Drivers Involved	BAC=.00		BAC=.01-.07		BAC=.08+		BAC=.01+	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	1,285	943	73	48	4	295	23	342	27
Alaska	91	71	78	2	3	18	19	20	22
Arizona	1,236	932	75	63	5	241	20	304	25
Arkansas	778	583	75	37	5	158	20	195	25
California	4,710	3,595	76	176	4	940	20	1,115	24
Colorado	712	530	74	25	4	157	22	182	26
Connecticut	355	256	72	18	5	82	23	99	28
Delaware	153	104	68	6	4	42	28	49	32
Dist of Columbia	44	30	69	5	12	8	19	14	31
Florida	4,217	3,232	77	168	4	818	19	985	23
Georgia	2,057	1,613	78	68	3	377	18	445	22
Hawaii	139	91	65	9	6	40	28	49	35
Idaho	302	213	71	12	4	77	26	89	29
Illinois	1,434	1,037	72	69	5	328	23	397	28
Indiana	1,118	888	79	40	4	190	17	230	21
Iowa	570	467	82	23	4	80	14	103	18
Kansas	496	344	69	18	4	135	27	152	31
Kentucky	1,099	884	80	27	2	188	17	215	20
Louisiana	1,167	790	68	69	6	308	26	377	32
Maine	204	162	79	5	3	37	18	42	21
Maryland	817	641	78	36	4	141	17	177	22
Massachusetts	442	299	68	27	6	116	26	144	32
Michigan	1,409	1,090	77	52	4	268	19	320	23
Minnesota	640	482	75	29	5	129	20	158	25
Mississippi	985	710	72	28	3	247	25	275	28
Missouri	1,246	906	73	54	4	286	23	340	27
Montana	284	191	67	11	4	82	29	93	33
Nebraska	282	212	75	16	6	54	19	70	25
Nevada	444	327	74	15	3	102	23	117	26
New Hampshire	195	144	74	9	5	42	22	51	26
New Jersey	805	607	75	45	6	153	19	198	25
New Mexico	445	339	76	12	3	94	21	106	24
New York	1,699	1,297	76	72	4	330	19	402	24
North Carolina	1,878	1,400	75	77	4	402	21	479	25
North Dakota	137	87	63	6	4	45	33	50	37
Ohio	1,648	1,253	76	63	4	332	20	395	24
Oklahoma	1,002	759	76	28	3	215	21	243	24
Oregon	519	380	73	23	4	117	22	139	27
Pennsylvania	2,019	1,466	73	84	4	469	23	553	27
Rhode Island	81	54	66	5	6	23	28	28	34
South Carolina	1,163	721	62	66	6	376	32	442	38
South Dakota	145	105	72	6	4	34	23	40	28
Tennessee	1,381	1,026	74	51	4	304	22	355	26
Texas	4,585	3,177	69	209	5	1,200	26	1,408	31
Utah	350	297	85	9	2	45	13	53	15
Vermont	102	88	86	2	2	12	11	14	14
Virginia	1,087	747	69	62	6	278	26	340	31
Washington	708	500	71	42	6	167	24	208	29
West Virginia	479	355	74	13	3	112	23	124	26
Wisconsin	855	610	71	42	5	203	24	245	29
Wyoming	187	126	67	5	3	56	30	61	33
<b>U.S. Total</b>	<b>50,186</b>	<b>37,157</b>	<b>74</b>	<b>2,083</b>	<b>4</b>	<b>10,946</b>	<b>22</b>	<b>13,029</b>	<b>26</b>
Puerto Rico	535	370	69	37	7	128	24	165	31

## **Availability of Known BAC Test Results**

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

Nationwide in 2008, a total of 17,045 fatally injured drivers had BAC test results out of a total of 24,175, or 71 percent. For surviving drivers, BAC test results were known for 6,677 (26%) of 26,011 drivers. Overall in 2008, FARS contained BAC test results for 23,722 (47%) of 50,186 drivers involved in fatal crashes. Statistics for the base year 1982 are also presented. Any individual State proportion which is 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 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 BAC Test Status, 2008**

State	Total Driver Fatalities	With Known Results		With Unknown Results		Not Tested		Unknown if Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	701	448	64	84	12	169	24	0	0
Alaska	41	9	22	14	34	16	39	2	5
Arizona	519	332	64	0	0	150	29	37	7
Arkansas	431	344	80	0	0	83	19	4	1
California	1,951	1,784	91	11	1	136	7	20	1
Colorado	361	278	77	54	15	28	8	1	0
Connecticut	175	139	79	1	1	11	6	24	14
Delaware	70	53	76	6	9	11	16	0	0
Dist of Columbia	16	5	31	0	0	1	6	10	63
Florida	1,803	1,128	63	1	0	529	29	145	8
Georgia	1,021	572	56	14	1	435	43	0	0
Hawaii	71	66	93	0	0	1	1	4	6
Idaho	164	135	82	10	6	19	12	0	0
Illinois	656	575	88	19	3	62	9	0	0
Indiana	552	383	69	8	1	161	29	0	0
Iowa	288	72	25	5	2	211	73	0	0
Kansas	277	178	64	3	1	74	27	22	8
Kentucky	584	392	67	3	1	99	17	90	15
Louisiana	578	303	52	179	31	64	11	32	6
Maine	116	110	95	0	0	5	4	1	1
Maryland	357	300	84	1	0	27	8	29	8
Massachusetts	218	164	75	0	0	17	8	37	17
Michigan	628	418	67	33	5	177	28	0	0
Minnesota	310	263	85	0	0	19	6	28	9
Mississippi	568	140	25	1	0	420	74	7	1
Missouri	665	522	78	0	0	86	13	57	9
Montana	156	128	82	0	0	26	17	2	1
Nebraska	155	123	79	2	1	30	19	0	0
Nevada	198	173	87	15	8	9	5	1	1
New Hampshire	105	96	91	0	0	8	8	1	1
New Jersey	321	279	87	0	0	34	11	8	2
New Mexico	204	187	92	17	8	0	0	0	0
New York	681	460	68	1	0	20	3	200	29
North Carolina	930	793	85	136	15	1	0	0	0
North Dakota	69	60	87	2	3	7	10	0	0
Ohio	825	755	92	10	1	60	7	0	0
Oklahoma	514	464	90	0	0	49	10	1	0
Oregon	255	231	91	5	2	18	7	1	0
Pennsylvania	1,049	808	77	129	12	91	9	21	2
Rhode Island	44	31	70	1	2	5	11	7	16
South Carolina	616	460	75	22	4	61	10	73	12
South Dakota	80	67	84	1	1	12	15	0	0
Tennessee	767	188	25	311	41	263	34	5	1
Texas	2,148	1,224	57	3	0	772	36	149	7
Utah	167	71	43	3	2	89	53	4	2
Vermont	47	41	87	0	0	5	11	1	2
Virginia	567	261	46	0	0	12	2	294	52
Washington	355	330	93	2	1	22	6	1	0
West Virginia	285	256	90	2	1	16	6	11	4
Wisconsin	411	371	90	0	0	37	9	3	1
Wyoming	105	75	71	2	2	28	27	0	0
<b>U.S. Total</b>	<b>24,175</b>	<b>17,045</b>	<b>71</b>	<b>1,111</b>	<b>5</b>	<b>4,686</b>	<b>19</b>	<b>1,333</b>	<b>6</b>
Puerto Rico	207	166	80	1	0	40	19	0	0

Table 7

**Surviving Drivers by State and 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 BAC Test Status, 2008**

State	Total Surviving Drivers	With Known Results		With Unknown Results		Not Tested		Unknown if Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	584	85	15	174	30	325	56	0	0
Alaska	50	33	66	6	12	9	18	2	4
Arizona	717	190	26	2	0	475	66	50	7
Arkansas	347	220	63	0	0	125	36	2	1
California	2,759	672	24	62	2	2,016	73	9	0
Colorado	351	36	10	49	14	245	70	21	6
Connecticut	180	38	21	6	3	91	51	45	25
Delaware	83	23	28	1	1	57	69	2	2
Dist of Columbia	28	11	39	2	7	9	32	6	21
Florida	2,414	382	16	1	0	1,834	76	197	8
Georgia	1,036	203	20	4	0	828	80	1	0
Hawaii	68	32	47	0	0	32	47	4	6
Idaho	138	53	38	11	8	71	51	3	2
Illinois	778	205	26	56	7	508	65	9	1
Indiana	566	404	71	8	1	154	27	0	0
Iowa	282	71	25	3	1	208	74	0	0
Kansas	219	126	58	0	0	82	37	11	5
Kentucky	515	232	45	2	0	260	50	21	4
Louisiana	589	372	63	98	17	107	18	12	2
Maine	88	62	70	0	0	24	27	2	2
Maryland	460	35	8	1	0	395	86	29	6
Massachusetts	224	9	4	2	1	205	92	8	4
Michigan	781	285	36	40	5	456	58	0	0
Minnesota	330	162	49	6	2	154	47	8	2
Mississippi	417	34	8	0	0	374	90	9	2
Missouri	581	308	53	6	1	263	45	4	1
Montana	128	83	65	0	0	45	35	0	0
Nebraska	127	95	75	1	1	31	24	0	0
Nevada	246	89	36	3	1	152	62	2	1
New Hampshire	90	45	50	1	1	44	49	0	0
New Jersey	484	165	34	0	0	297	61	22	5
New Mexico	241	168	70	19	8	51	21	3	1
New York	1,018	43	4	1	0	5	0	969	95
North Carolina	948	12	1	82	9	845	89	9	1
North Dakota	68	19	28	0	0	49	72	0	0
Ohio	823	235	29	6	1	582	71	0	0
Oklahoma	488	190	39	1	0	294	60	3	1
Oregon	264	107	41	1	0	154	58	2	1
Pennsylvania	970	168	17	143	15	628	65	31	3
Rhode Island	37	2	5	1	3	31	84	3	8
South Carolina	547	37	7	36	7	35	6	439	80
South Dakota	65	52	80	0	0	13	20	0	0
Tennessee	614	129	21	192	31	291	47	2	0
Texas	2,437	343	14	3	0	1,863	76	228	9
Utah	183	90	49	3	2	89	49	1	1
Vermont	55	13	24	0	0	40	73	2	4
Virginia	520	3	1	8	2	416	80	93	18
Washington	353	92	26	4	1	256	73	1	0
West Virginia	194	12	6	15	8	165	85	2	1
Wisconsin	444	179	40	1	0	264	59	0	0
Wyoming	82	23	28	1	1	58	71	0	0
<b>U.S. Total</b>	<b>26,011</b>	<b>6,677</b>	<b>26</b>	<b>1,062</b>	<b>4</b>	<b>16,005</b>	<b>62</b>	<b>2,267</b>	<b>9</b>
Puerto Rico	328	218	66	14	4	96	29	0	0

Table 9

**BAC Test Status for Drivers Involved in Fatal Traffic Crashes, 1982 and 2008**

State	1982			2008		
	Total Drivers Involved	Tested With Known Results		Total Drivers Involved	Tested With Known Results	
		Number	Percent		Number	Percent
Alabama	1,046	99	9	1,285	533	41
Alaska	143	53	37	91	42	46
Arizona	915	251	27	1,236	522	42
Arkansas	682	78	11	778	564	72
California	5,914	2,963	50	4,710	2,456	52
Colorado	817	520	64	712	314	44
Connecticut	678	292	43	355	177	50
Delaware	171	141	82	153	76	50
Dist of Columbia	50	24	48	44	16	36
Florida	3,564	890	25	4,217	1,510	36
Georgia	1,614	792	49	2,057	775	38
Hawaii	200	96	48	139	98	71
Idaho	287	51	18	302	188	62
Illinois	2,131	693	33	1,434	780	54
Indiana	1,269	439	35	1,118	787	70
Iowa	622	169	27	570	143	25
Kansas	646	85	13	496	304	61
Kentucky	1,015	465	46	1,099	624	57
Louisiana	1,407	364	26	1,167	675	58
Maine	208	65	31	204	172	84
Maryland	832	316	38	817	335	41
Massachusetts	831	63	8	442	173	39
Michigan	1,879	691	37	1,409	703	50
Minnesota	759	370	49	640	425	66
Mississippi	892	73	8	985	174	18
Missouri	1,141	175	15	1,246	830	67
Montana	299	119	40	284	211	74
Nebraska	342	190	56	282	218	77
Nevada	335	228	68	444	262	59
New Hampshire	223	79	35	195	141	72
New Jersey	1,369	690	50	805	444	55
New Mexico	660	282	43	445	355	80
New York	2,687	663	25	1,699	503	30
North Carolina	1,655	332	20	1,878	805	43
North Dakota	192	14	7	137	79	58
Ohio	2,045	576	28	1,648	990	60
Oklahoma	1,402	508	36	1,002	654	65
Oregon	653	363	56	519	338	65
Pennsylvania	2,368	897	38	2,019	976	48
Rhode Island	128	58	45	81	33	41
South Carolina	937	229	24	1,163	497	43
South Dakota	180	110	61	145	119	82
Tennessee	1,336	770	58	1,381	317	23
Texas	5,177	120	2	4,585	1,567	34
Utah	371	256	69	350	161	46
Vermont	121	92	76	102	54	53
Virginia	1,114	365	33	1,087	264	24
Washington	950	495	52	708	422	60
West Virginia	547	245	45	479	268	56
Wisconsin	991	481	49	855	550	64
Wyoming	234	109	47	187	98	52
<b>U.S. Total</b>	<b>56,029</b>	<b>18,489</b>	<b>33</b>	<b>50,186</b>	<b>23,722</b>	<b>47</b>
Puerto Rico	578	159	28	535	384	72

### **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-impaired (BAC of .08 or greater) in 1982 and 2008, and the estimated percentage of drivers with BACs of .08 or greater involved in fatal crashes.

Table 10

**Estimated Percent of Fatalities in Alcohol-Impaired-Driving Crashes and Estimated Percent of Drivers Involved in Fatal Crashes with a BAC=.08 or Higher by Region and State, 1982 and 2008**

Region and State		Estimated Percent of Fatalities Where Driver BAC=.08+		Estimated Percent of Drivers in Fatal Crashes With BAC=.08+	
		1982	2008	1982	2008
Region I	Connecticut	58	32	43	23
	Maine	47	28	35	18
	Massachusetts	51	34	39	26
	New Hampshire	55	32	38	22
	Rhode Island	57	38	43	28
	Vermont	46	16	35	11
Region II	New Jersey	42	26	31	19
	New York	39	28	28	19
	Pennsylvania	47	34	34	23
	*Puerto Rico	38	33	30	24
Region III	Delaware	54	37	40	28
	Dist of Columbia	42	26	30	19
	Kentucky	45	24	32	17
	Maryland	43	26	32	17
	North Carolina	50	30	36	21
	Virginia	45	36	33	26
	West Virginia	46	34	35	23
Region IV	Alabama	48	33	36	23
	Florida	40	29	29	19
	Georgia	49	28	34	18
	South Carolina	47	44	35	32
	Tennessee	54	32	40	22
Region V	Illinois	48	35	34	23
	Indiana	43	26	31	17
	Michigan	51	29	37	19
	Minnesota	47	30	33	20
	Ohio	50	30	37	20
	Wisconsin	54	34	41	24
Region VI	Louisiana	46	37	33	26
	Mississippi	49	34	35	25
	New Mexico	50	29	39	21
	Oklahoma	46	33	32	21
	Texas	56	38	43	26
Region VII	Arkansas	52	28	38	20
	Iowa	43	22	30	14
	Kansas	43	38	30	27
	Missouri	44	32	32	23
	Nebraska	40	27	28	19
Region VIII	Colorado	52	32	39	22
	Nevada	55	33	40	23
	North Dakota	55	46	41	33
	South Dakota	50	29	39	23
	Utah	32	17	23	13
	Wyoming	49	42	36	30
Region IX	Arizona	44	28	31	20
	California	49	30	36	20
	Hawaii	55	39	39	28
Region X	Alaska	54	33	41	19
	Idaho	41	34	32	26
	Montana	54	40	41	29
	Oregon	51	33	38	22
	Washington	56	35	42	24
<b>U.S. Total</b>		<b>48</b>	<b>28</b>	<b>35</b>	<b>22</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, NVS-424, 1200 New Jersey Avenue SE., 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 <http://www.nhtsa.gov>. 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, Bicyclists and Other Cyclists, Children, Large Trucks, Motorcycles, Occupant Protection, Older Population, Pedestrians, School Transportation-Related Crashes, Speeding, State Traffic Data, and Young Drivers*. 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*. The fact sheets and annual Traffic Safety Facts report can be accessed online at [www-nrd.nhtsa.dot.gov/CATS/index.aspx](http://www-nrd.nhtsa.dot.gov/CATS/index.aspx).