



Traffic Safety Facts 2002

State Alcohol Estimates

A Public Information Fact Sheet on Motor Vehicle and Traffic Safety Published by the National Highway Traffic Safety Administration's National Center for Statistics and Analysis

The following data provide 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 content (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 persons 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 2001, NHTSA began using a revised method — **multiple imputation** — to estimate missing information about BAC levels for persons involved in fatal crashes. The alcohol estimates in this fact sheet are based on the new imputation method. The new method will enable NHTSA to improve the scope of alcohol involvement statistics generated from the Fatality Analysis Reporting System (FARS). NHTSA has also calculated historical estimates of alcohol involvement from 1982 through 2000 using the new method. Instead of estimating alcohol involvement in the three categories used in the past (0.00, 0.01 to 0.09, and 0.10+ grams per deciliter [g/dl]), the new method estimates BAC levels over the entire range of plausible values from 0.00 to 0.94 g/dl. As a result, NHTSA will have the ability to report alcohol involvement at any BAC level. Because many states have adopted 0.08 g/dl as the legal threshold for alcohol intoxication, NHTSA now estimates alcohol involvement in the following three categories: 0.00 g/dl, no alcohol; 0.01 to 0.07 g/dl, impaired; and 0.08+, intoxicated.

More information on the new multiple imputation method, including detailed tabulations of alcohol involvement in various categories (age, sex, time of day, etc.), is available in NHTSA Technical Report DOT HS 809 403, *Transitioning to Multiple Imputation: A New Method to Estimate Missing Blood Alcohol Concentration (BAC) Values in FARS*.

For more information:

Information on state alcohol estimates is available from the National Center for Statistics and Analysis, NPO-121, 400 Seventh Street, S.W., Washington, D.C. 20590. NCSA information can also be obtained by telephone or by fax-on-demand at 1-800-934-8517. FAX messages should be sent to (202) 366-7078. General information on highway traffic safety can be accessed by Internet users at <http://www-nrd.nhtsa.dot.gov/people/nca>. To report a safety-related problem or to inquire about motor vehicle safety information, contact the Auto Safety Hotline at 1-800-424-9393.

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*.

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, pedestrian fatalities as a group exhibit high levels of alcohol involvement);
- Degree of urbanization (alcohol involvement in single- and multi-vehicle crashes tends to be greater in urban fatal crashes, while alcohol involvement in nonoccupant fatal crashes is higher in rural areas);

- Types of vehicles (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, and for 2002 range from a low of 8 percent known BACs to a high of 89 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 2002 using NHTSA's discriminant function model as applied to the FARS data. This model estimates BACs of drivers and nonoccupants when their BAC is not available. The estimates presented represent the combination of known and estimated BACs.

A driver or nonoccupant involved is considered *alcohol-related* if he/she is involved in the fatal crash and exhibits a BAC of 0.01 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 for four categories:

- (1) BAC of 0.00
- (2) BAC of 0.01-0.07
- (3) BAC of 0.08 or greater
- (4) BAC of 0.01 or greater (the sum of (2) and (3)).

Nationwide in 2002, alcohol was involved in 41 percent of the traffic fatalities (BAC 0.01-0.07, 6 percent; BAC 0.08 or greater, 35 percent), translating to 17,419 alcohol-related fatalities.

Table 1. Fatalities by Highest Blood Alcohol Concentration (BAC) in the Crash, 1982

State	Total Fatalities	BAC = 0.00 g/dl		BAC = 0.01-0.07 g/dl		BAC ≥ 0.08 g/dl		BAC ≥ 0.01 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
District 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
U.S. Total	43,945	17,773	40	2,927	7	23,246	53	26,173	60
Puerto Rico	480	214	44	24	5	242	50	267	56

Table 2. Fatalities by Highest Blood Alcohol Concentration (BAC) in the Crash, 2002

State	Total Fatalities	BAC = 0.00 g/dl		BAC = 0.01-0.07 g/dl		BAC ≥ 0.08 g/dl		BAC ≥ 0.01 g/dl	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	1,033	620	60	43	4	370	36	413	40
Alaska	87	52	59	2	2	34	39	35	41
Arizona	1,117	640	57	58	5	420	38	477	43
Arkansas	640	398	62	35	5	207	32	242	38
California	4,078	2,466	60	300	7	1,312	32	1,612	40
Colorado	742	435	59	39	5	268	36	307	41
Connecticut	322	182	57	17	5	123	38	140	43
Delaware	124	73	59	8	6	43	34	51	41
District of Columbia	47	22	48	3	5	22	47	25	52
Florida	3,132	1,856	59	177	6	1,099	35	1,276	41
Georgia	1,523	994	65	90	6	439	29	529	35
Hawaii	119	69	58	10	8	41	34	50	42
Idaho	264	173	66	17	7	74	28	91	34
Illinois	1,411	763	54	97	7	552	39	648	46
Indiana	792	523	66	46	6	223	28	269	34
Iowa	404	273	68	24	6	107	27	131	32
Kansas	512	283	55	23	5	205	40	229	45
Kentucky	915	614	67	39	4	263	29	301	33
Louisiana	875	462	53	62	7	351	40	413	47
Maine	216	165	76	4	2	47	22	51	24
Maryland	659	394	60	49	7	216	33	265	40
Massachusetts	459	238	52	30	6	192	42	221	48
Michigan	1,277	787	62	68	5	422	33	490	38
Minnesota	657	402	61	46	7	209	32	255	39
Mississippi	885	553	62	41	5	292	33	332	38
Missouri	1,208	683	57	68	6	457	38	525	43
Montana	270	143	53	21	8	106	39	127	47
Nebraska	307	190	62	21	7	97	31	117	38
Nevada	381	210	55	23	6	148	39	171	45
New Hampshire	127	76	60	5	4	46	36	51	40
New Jersey	773	474	61	45	6	254	33	299	39
New Mexico	449	234	52	27	6	189	42	215	48
New York	1,522	1,044	69	77	5	400	26	478	31
North Carolina	1,575	974	62	67	4	533	34	601	38
North Dakota	97	49	50	8	8	40	41	48	50
Ohio	1,418	856	60	66	5	496	35	562	40
Oklahoma	734	485	66	35	5	215	29	249	34
Oregon	436	257	59	26	6	153	35	179	41
Pennsylvania	1,614	958	59	88	5	568	35	656	41
Rhode Island	84	38	45	8	9	38	45	46	55
South Carolina	1,053	502	48	64	6	487	46	551	52
South Dakota	180	88	49	13	7	80	44	92	51
Tennessee	1,175	704	60	61	5	410	35	471	40
Texas	3,725	1,980	53	194	5	1,551	42	1,745	47
Utah	328	255	78	7	2	67	20	73	22
Vermont	78	51	65	5	6	22	28	27	35
Virginia	914	544	59	48	5	323	35	371	41
Washington	659	361	55	32	5	265	40	298	45
West Virginia	439	259	59	20	5	160	36	180	41
Wisconsin	803	440	55	39	5	325	40	364	45
Wyoming	176	107	61	7	4	62	35	70	39
U.S. Total	42,815	25,396	59	2,401	6	15,019	35	17,419	41
Puerto Rico	510	270	53	42	8	199	39	241	47

Estimates of Alcohol-Involved Drivers

The following tables estimate alcohol involvement for the nation and on a state-by-state basis for 1982 and 2002 using NHTSA's discriminant function model as applied to the FARS data. This model estimates BACs of drivers and nonoccupants when their BAC is not available. The estimates presented represent the combination of known and estimated BACs.

A driver or nonoccupant involved is considered *alcohol-related* if he/she is involved in the fatal crash and exhibits a BAC of 0.01 or greater (the last column on the right in the tables). Estimates are presented for four categories:

- (1) BAC of 0.00
- (2) BAC of 0.01-0.07
- (3) BAC of 0.08 or greater
- (4) BAC of 0.01 or greater (the sum of (2) and (3)).

Nationwide in 2002, alcohol was present in 25 percent of the drivers involved in fatal crashes (BAC 0.01-0.07, 4 percent; BAC 0.08 or greater, 21 percent).

Table 3. Drivers Involved in Fatal Crashes by Blood Alcohol Concentration (BAC) of the Driver, 1982

State	Total Drivers Involved	BAC = 0.00 g/dl		BAC = 0.01-0.07 g/dl		BAC ≥ 0.08 g/dl		BAC ≥ 0.01 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
District 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
U.S. Total	56,029	33,202	59	3,152	6	19,676	35	22,827	41
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, 2002

State	Total Drivers Involved	BAC = 0.00 g/dl		BAC = 0.01-0.07 g/dl		BAC ≥ 0.08 g/dl		BAC ≥ 0.01 g/dl	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	1,349	990	73	41	3	318	24	359	27
Alaska	111	80	72	3	3	28	25	31	28
Arizona	1,437	1,068	74	56	4	313	22	369	26
Arkansas	812	612	75	31	4	169	21	200	25
California	5,503	4,239	77	269	5	995	18	1,264	23
Colorado	971	708	73	37	4	226	23	263	27
Connecticut	411	286	70	20	5	105	25	125	30
Delaware	173	133	77	6	4	34	20	40	23
District of Columbia	72	49	68	3	5	19	27	23	32
Florida	4,413	3,431	78	166	4	816	18	982	22
Georgia	2,175	1,752	81	82	4	341	16	423	19
Hawaii	168	121	72	10	6	37	22	47	28
Idaho	350	276	79	18	5	56	16	74	21
Illinois	1,919	1,369	71	97	5	454	24	550	29
Indiana	1,151	908	79	44	4	199	17	243	21
Iowa	596	475	80	20	3	101	17	121	20
Kansas	676	472	70	26	4	178	26	204	30
Kentucky	1,223	968	79	37	3	218	18	255	21
Louisiana	1,169	815	70	60	5	294	25	354	30
Maine	271	228	84	4	2	39	14	43	16
Maryland	958	731	76	52	5	175	18	227	24
Massachusetts	624	413	66	35	6	176	28	211	34
Michigan	1,849	1,445	78	64	3	340	18	404	22
Minnesota	889	670	75	37	4	182	20	219	25
Mississippi	1,106	818	74	39	3	250	23	288	26
Missouri	1,640	1,176	72	68	4	396	24	464	28
Montana	304	193	63	24	8	87	28	111	37
Nebraska	411	308	75	20	5	83	20	103	25
Nevada	513	382	75	23	5	108	21	131	25
New Hampshire	184	135	74	8	4	41	22	49	26
New Jersey	1,022	773	76	44	4	205	20	249	24
New Mexico	571	404	71	26	5	141	25	167	29
New York	2,051	1,683	82	63	3	305	15	368	18
North Carolina	2,137	1,661	78	62	3	414	19	476	22
North Dakota	125	83	66	6	5	36	29	42	34
Ohio	1,991	1,480	74	71	4	440	22	511	26
Oklahoma	973	758	78	32	3	183	19	215	22
Oregon	556	412	74	21	4	122	22	144	26
Pennsylvania	2,190	1,610	73	82	4	499	23	580	27
Rhode Island	118	73	62	8	6	38	32	45	38
South Carolina	1,372	896	65	62	5	414	30	476	35
South Dakota	214	136	63	12	5	67	31	79	37
Tennessee	1,553	1,143	74	58	4	351	23	410	26
Texas	5,014	3,494	70	216	4	1,304	26	1,520	30
Utah	394	330	84	7	2	58	15	64	16
Vermont	108	82	76	5	5	21	20	26	24
Virginia	1,211	896	74	44	4	271	22	315	26
Washington	864	614	71	34	4	216	25	250	29
West Virginia	576	415	72	16	3	145	25	161	28
Wisconsin	1,134	804	71	42	4	288	25	330	29
Wyoming	201	144	72	6	3	51	25	57	28
U.S. Total	57,803	43,141	75	2,317	4	12,344	21	14,662	25
Puerto Rico	656	468	71	47	7	142	22	189	29

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 2002, a total of 17,241 fatally injured drivers had BAC test results out of a total of 26,549, or 65 percent. For surviving drivers, BAC test results were known on 7,862 out of 31,254 drivers, or 25 percent. Overall in 2002, FARS contained BAC test results on a total of 25,103 drivers out of 57,803 involved in fatal crashes, or 43 percent. 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
District 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
U.S. Total	24,690	13,396	54	2,654	11	7,251	29	1,389	6
Puerto Rico	162	94	58	0	0	67	41	1	1

Table 6. Driver Fatalities by State and Blood Alcohol Concentration (BAC) Test Status, 2002

State	Total Driver Fatalities	With Known Results		With Unknown Results		Not Tested		Unknown If Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	696	33	5	223	32	233	33	207	30
Alaska	53	17	32	1	2	23	43	12	23
Arizona	566	307	54	100	18	21	4	138	24
Arkansas	431	313	73	0	0	118	27	0	0
California	2,202	1,899	86	40	2	187	8	76	3
Colorado	472	380	81	0	0	52	11	40	8
Connecticut	192	166	86	2	1	12	6	12	6
Delaware	72	59	82	3	4	8	11	2	3
District of Columbia	28	0	0	1	4	4	14	23	82
Florida	1,792	1,157	65	40	2	590	33	5	0
Georgia	956	665	70	129	13	161	17	1	0
Hawaii	54	33	61	3	6	3	6	15	28
Idaho	172	123	72	8	5	41	24	0	0
Illinois	861	776	90	0	0	83	10	2	0
Indiana	546	364	67	20	4	151	28	11	2
Iowa	283	125	44	16	6	142	50	0	0
Kansas	353	55	16	2	1	258	73	38	11
Kentucky	630	362	57	5	1	263	42	0	0
Louisiana	544	262	48	185	34	69	13	28	5
Maine	146	134	92	0	0	12	8	0	0
Maryland	407	333	82	6	1	7	2	61	15
Massachusetts	293	124	42	45	15	16	5	108	37
Michigan	796	566	71	34	4	196	25	0	0
Minnesota	430	367	85	5	1	41	10	17	4
Mississippi	590	401	68	0	0	189	32	0	0
Missouri	791	620	78	0	0	112	14	59	7
Montana	181	146	81	18	10	15	8	2	1
Nebraska	214	182	85	0	0	32	15	0	0
Nevada	205	165	80	4	2	36	18	0	0
New Hampshire	100	90	90	0	0	6	6	4	4
New Jersey	419	234	56	3	1	50	12	132	32
New Mexico	247	199	81	6	2	29	12	13	5
New York	808	344	43	0	0	16	2	448	55
North Carolina	1,017	762	75	211	21	31	3	13	1
North Dakota	68	55	81	0	0	13	19	0	0
Ohio	981	800	82	4	0	174	18	3	0
Oklahoma	473	361	76	1	0	88	19	23	5
Oregon	263	225	86	4	2	16	6	18	7
Pennsylvania	1,078	736	68	201	19	69	6	72	7
Rhode Island	59	51	86	0	0	8	14	0	0
South Carolina	695	478	69	39	6	104	15	74	11
South Dakota	119	99	83	3	3	15	13	2	2
Tennessee	793	347	44	228	29	213	27	5	1
Texas	2,274	749	33	432	19	1,079	47	14	1
Utah	181	102	56	0	0	79	44	0	0
Vermont	52	51	98	0	0	1	2	0	0
Virginia	575	245	43	0	0	45	8	285	50
Washington	419	380	91	0	0	37	9	2	0
West Virginia	300	267	89	4	1	28	9	1	0
Wisconsin	558	445	80	10	2	102	18	1	0
Wyoming	114	87	76	0	0	26	23	1	1
U.S. Total	26,549	17,241	65	2,036	8	5,304	20	1,968	7
Puerto Rico	234	210	90	3	1	21	9	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
District 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
U.S. Total	31,339	5,093	16	1,694	5	22,393	71	2,159	7
Puerto Rico	416	65	16	5	1	343	82	3	1

Table 8. Surviving Drivers by State and Blood Alcohol Concentration (BAC) Test Status, 2002

State	Total Surviving Drivers	With Known Results		With Unknown Results		Not Tested		Unknown If Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	653	75	11	98	15	388	59	92	14
Alaska	58	26	45	1	2	25	43	6	10
Arizona	871	48	6	32	4	583	67	208	24
Arkansas	381	193	51	0	0	188	49	0	0
California	3,301	709	21	121	4	2,394	73	77	2
Colorado	499	126	25	0	0	347	70	26	5
Connecticut	219	55	25	8	4	107	49	49	22
Delaware	101	54	53	4	4	43	43	0	0
District of Columbia	44	7	16	1	2	17	39	19	43
Florida	2,621	624	24	37	1	1,933	74	27	1
Georgia	1,219	845	69	116	10	255	21	3	0
Hawaii	114	43	38	10	9	43	38	18	16
Idaho	178	63	35	10	6	105	59	0	0
Illinois	1,058	236	22	0	0	794	75	28	3
Indiana	605	403	67	18	3	175	29	9	1
Iowa	313	105	34	5	2	202	65	1	0
Kansas	323	37	11	1	0	258	80	27	8
Kentucky	593	215	36	8	1	370	62	0	0
Louisiana	625	352	56	100	16	158	25	15	2
Maine	125	112	90	0	0	13	10	0	0
Maryland	551	58	11	11	2	433	79	49	9
Massachusetts	331	9	3	3	1	274	83	45	14
Michigan	1,053	362	34	54	5	637	60	0	0
Minnesota	459	281	61	5	1	125	27	48	10
Mississippi	516	262	51	0	0	254	49	0	0
Missouri	849	93	11	6	1	730	86	20	2
Montana	123	77	63	11	9	32	26	3	2
Nebraska	197	164	83	0	0	33	17	0	0
Nevada	308	108	35	5	2	195	63	0	0
New Hampshire	84	63	75	1	1	20	24	0	0
New Jersey	603	122	20	11	2	290	48	180	30
New Mexico	324	19	6	22	7	244	75	39	12
New York	1,243	46	4	3	0	49	4	1,145	92
North Carolina	1,120	6	1	89	8	1,005	90	20	2
North Dakota	57	8	14	0	0	49	86	0	0
Ohio	1,010	377	37	5	0	624	62	4	0
Oklahoma	500	9	2	31	6	378	76	82	16
Oregon	293	114	39	7	2	172	59	0	0
Pennsylvania	1,112	133	12	135	12	787	71	57	5
Rhode Island	59	3	5	7	12	44	75	5	8
South Carolina	677	15	2	79	12	58	9	525	78
South Dakota	95	68	72	2	2	24	25	1	1
Tennessee	760	240	32	169	22	349	46	2	0
Texas	2,740	378	14	352	13	2,002	73	8	0
Utah	213	93	44	2	1	117	55	1	0
Vermont	56	14	25	0	0	40	71	2	4
Virginia	636	4	1	1	0	557	88	74	12
Washington	445	86	19	2	0	342	77	15	3
West Virginia	276	74	27	17	6	185	67	0	0
Wisconsin	576	220	38	1	0	354	61	1	0
Wyoming	87	28	32	3	3	54	62	2	2
U.S. Total	31,254	7,862	25	1,604	5	18,855	60	2,933	9
Puerto Rico	422	239	57	16	4	167	40	0	0

Table 9. Blood Alcohol Concentration (BAC) Test Status for Drivers, Pedestrians, and Pedalcyclists Involved in Fatal Traffic Crashes, 1982 and 2002

State	1982			2002		
	Total Involved	Tested With Known Results		Total Involved	Tested With Known Results	
		Number	Percent		Number	Percent
Alabama	1,161	110	9	1,422	111	8
Alaska	159	58	36	126	51	40
Arizona	1,093	315	29	1,617	448	28
Arkansas	765	80	10	861	534	62
California	6,896	3,575	52	6,413	3,257	51
Colorado	925	596	64	1,058	564	53
Connecticut	773	332	43	481	264	55
Delaware	201	169	84	196	133	68
District of Columbia	64	33	52	81	7	9
Florida	4,420	1,067	24	5,060	2,111	42
Georgia	1,808	869	48	2,373	1,605	68
Hawaii	240	126	53	205	96	47
Idaho	315	52	17	367	197	54
Illinois	2,524	883	35	2,153	1,181	55
Indiana	1,405	470	33	1,218	785	64
Iowa	675	173	26	624	232	37
Kansas	703	88	13	705	93	13
Kentucky	1,143	523	46	1,290	607	47
Louisiana	1,681	397	24	1,300	652	50
Maine	237	70	30	285	255	89
Maryland	975	423	43	1,072	481	45
Massachusetts	996	72	7	691	157	23
Michigan	2,177	796	37	2,064	1,047	51
Minnesota	847	413	49	951	687	72
Mississippi	980	90	9	1,166	692	59
Missouri	1,263	201	16	1,750	794	45
Montana	322	125	39	319	234	73
Nebraska	376	200	53	428	353	82
Nevada	392	272	69	577	315	55
New Hampshire	249	89	36	192	159	83
New Jersey	1,686	889	53	1,228	457	37
New Mexico	773	369	48	635	264	42
New York	3,430	951	28	2,457	494	20
North Carolina	1,932	427	22	2,339	918	39
North Dakota	203	14	7	128	66	52
Ohio	2,353	650	28	2,100	1,216	58
Oklahoma	1,538	592	38	1,038	417	40
Oregon	732	410	56	611	382	63
Pennsylvania	2,728	1,063	39	2,387	963	40
Rhode Island	159	80	50	128	62	48
South Carolina	1,093	294	27	1,488	557	37
South Dakota	197	126	64	223	171	77
Tennessee	1,464	836	57	1,635	600	37
Texas	6,028	125	2	5,506	1,207	22
Utah	425	278	65	424	207	49
Vermont	141	104	74	113	69	61
Virginia	1,284	454	35	1,319	300	23
Washington	1,068	561	53	953	537	56
West Virginia	605	267	44	606	364	60
Wisconsin	1,114	554	50	1,198	702	59
Wyoming	257	121	47	207	118	57
U.S. Total	64,975	21,832	34	63,768	28,173	44
Puerto Rico	818	256	31	852	616	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 related (BAC of 0.01 or greater) in 1982 and 2002 and the estimated percentage of drivers involved in fatal crashes with BAC of 0.08 or greater.

Table 10. Estimated Percent Alcohol-Related Fatalities and Drivers With BAC 0.08 or Greater in Fatal Crashes by Region and State, 1982 and 2002

Region and State	Estimated Percent of Alcohol-Related Fatalities (Driver or Nonoccupant with BAC \geq 0.01 g/dl)		Estimated Percent of Drivers in Fatal Crashes With BAC \geq 0.08 g/dl	
	1982	2002	1982	2002
Region I				
Connecticut	69%	43%	43%	25%
Maine	56%	24%	35%	14%
Massachusetts	62%	48%	39%	28%
New Hampshire	64%	40%	38%	22%
Rhode Island	67%	55%	43%	32%
Vermont	65%	35%	35%	20%
Region II				
New Jersey	59%	39%	31%	20%
New York	52%	31%	28%	15%
Puerto Rico*	56%	47%	30%	22%
Region III				
Delaware	67%	41%	40%	20%
District of Columbia	61%	52%	30%	27%
Maryland	56%	40%	32%	18%
Pennsylvania	58%	41%	34%	23%
Virginia	56%	41%	33%	22%
West Virginia	54%	41%	35%	25%
Region IV				
Alabama	58%	40%	36%	24%
Florida	53%	41%	29%	18%
Georgia	61%	35%	34%	16%
Kentucky	59%	33%	32%	18%
Mississippi	58%	38%	35%	23%
North Carolina	63%	38%	36%	19%
South Carolina	60%	52%	35%	30%
Tennessee	63%	40%	40%	23%
Region V				
Illinois	61%	46%	34%	24%
Indiana	52%	34%	31%	17%
Michigan	63%	38%	37%	18%
Minnesota	56%	39%	33%	20%
Ohio	60%	40%	37%	22%
Wisconsin	62%	45%	41%	25%
Region VI				
Arkansas	61%	38%	38%	21%
Louisiana	60%	47%	33%	25%
New Mexico	65%	48%	39%	25%
Oklahoma	58%	34%	32%	19%
Texas	66%	47%	43%	26%
Region VII				
Iowa	52%	32%	30%	17%
Kansas	51%	45%	30%	26%
Missouri	54%	43%	32%	24%
Nebraska	50%	38%	28%	20%
Region VIII				
Colorado	63%	41%	39%	23%
Montana	67%	47%	41%	28%
North Dakota	66%	50%	41%	29%
South Dakota	61%	51%	39%	31%
Utah	41%	22%	23%	15%
Wyoming	59%	39%	36%	25%
Region IX				
Arizona	58%	43%	31%	22%
California	61%	40%	36%	18%
Hawaii	63%	42%	39%	22%
Nevada	68%	45%	40%	21%
Region X				
Alaska	61%	41%	41%	25%
Idaho	51%	34%	32%	16%
Oregon	62%	41%	38%	22%
Washington	64%	45%	42%	25%
U.S. Total	60%	41%	35%	21%

*Not included in U.S. Total.