



Traffic Safety Facts 2001

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 2001 range from a low of 11 percent known BACs to a high of 85 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 2001 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 2001, 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 17,448 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, 2001

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	994	618	62	39	4	336	34	376	38
Alaska	85	42	50	4	4	39	46	43	50
Arizona	1,048	560	53	64	6	424	40	488	47
Arkansas	611	418	68	44	7	150	25	193	32
California	3,956	2,387	60	292	7	1,277	32	1,569	40
Colorado	736	408	55	50	7	278	38	328	45
Connecticut	312	154	49	19	6	139	45	158	51
Delaware	136	71	52	8	6	58	42	65	48
District of Columbia	68	30	45	5	8	32	48	38	55
Florida	3,011	1,748	58	175	6	1,088	36	1,264	42
Georgia	1,615	1,058	65	91	6	466	29	557	35
Hawaii	140	80	57	9	7	51	36	60	43
Idaho	259	162	63	11	4	85	33	97	37
Illinois	1,414	794	56	86	6	535	38	620	44
Indiana	909	572	63	54	6	283	31	337	37
Iowa	447	292	65	29	6	126	28	155	35
Kansas	494	300	61	25	5	169	34	194	39
Kentucky	845	598	71	35	4	213	25	247	29
Louisiana	954	509	53	62	6	383	40	445	47
Maine	192	127	66	5	3	60	31	65	34
Maryland	660	370	56	51	8	239	36	290	44
Massachusetts	477	244	51	28	6	206	43	234	49
Michigan	1,328	810	61	77	6	441	33	518	39
Minnesota	568	342	60	30	5	196	34	226	40
Mississippi	784	502	64	29	4	253	32	282	36
Missouri	1,098	575	52	82	7	441	40	523	48
Montana	230	126	55	8	4	96	42	104	45
Nebraska	246	150	61	17	7	79	32	96	39
Nevada	313	180	58	21	7	112	36	133	42
New Hampshire	142	73	51	15	10	55	39	70	49
New Jersey	747	450	60	53	7	244	33	297	40
New Mexico	463	249	54	35	7	179	39	214	46
New York	1,548	1,050	68	94	6	404	26	498	32
North Carolina	1,530	997	65	77	5	456	30	533	35
North Dakota	105	52	50	8	8	44	42	53	50
Ohio	1,378	774	56	89	6	515	37	604	44
Oklahoma	676	410	61	33	5	233	34	266	39
Oregon	488	298	61	34	7	157	32	190	39
Pennsylvania	1,530	867	57	83	5	580	38	663	43
Rhode Island	81	32	40	9	11	40	49	49	60
South Carolina	1,059	467	44	73	7	519	49	592	56
South Dakota	171	87	51	9	5	75	44	84	49
Tennessee	1,251	714	57	75	6	462	37	537	43
Texas	3,724	1,935	52	205	5	1,584	43	1,789	48
Utah	292	224	77	12	4	56	19	68	23
Vermont	92	57	62	2	2	33	35	35	38
Virginia	935	595	64	54	6	287	31	340	36
Washington	649	368	57	42	6	239	37	281	43
West Virginia	376	241	64	16	4	119	32	135	36
Wisconsin	763	399	52	39	5	325	43	364	48
Wyoming	186	105	56	11	6	71	38	81	44
U.S. Total	42,116	24,668	59	2,515	6	14,933	35	17,448	41
Puerto Rico	481	235	49	36	7	210	44	246	51

Estimates of Alcohol-Involved Drivers

The following tables estimate alcohol involvement for the nation and on a state-by-state basis for 1982 and 2001 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 2001, alcohol was present in 26 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, 2001

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	1,362	1,025	75	39	3	298	22	337	25
Alaska	124	80	64	8	6	37	30	44	36
Arizona	1,405	1,030	73	59	4	316	22	375	27
Arkansas	801	639	80	35	4	127	16	162	20
California	5,302	4,045	76	251	5	1,006	19	1,257	24
Colorado	978	701	72	51	5	226	23	277	28
Connecticut	422	284	67	21	5	117	28	138	33
Delaware	183	132	72	7	4	45	24	51	28
District of Columbia	86	55	63	6	7	25	29	32	37
Florida	4,304	3,350	78	159	4	795	18	954	22
Georgia	2,317	1,858	80	88	4	371	16	459	20
Hawaii	188	133	71	10	6	45	24	55	29
Idaho	317	238	75	12	4	68	21	79	25
Illinois	1,968	1,447	74	86	4	435	22	521	26
Indiana	1,285	977	76	55	4	253	20	308	24
Iowa	605	471	78	29	5	105	17	135	22
Kansas	640	474	74	24	4	142	22	166	26
Kentucky	1,160	945	81	32	3	183	16	215	19
Louisiana	1,278	904	71	60	5	314	25	374	29
Maine	262	207	79	5	2	49	19	55	21
Maryland	940	694	74	57	6	189	20	246	26
Massachusetts	618	406	66	30	5	182	29	212	34
Michigan	1,932	1,495	77	70	4	367	19	437	23
Minnesota	789	600	76	32	4	157	20	189	24
Mississippi	1,010	759	75	29	3	222	22	251	25
Missouri	1,442	982	68	83	6	377	26	460	32
Montana	267	174	65	10	4	83	31	93	35
Nebraska	346	258	74	17	5	72	21	88	26
Nevada	438	328	75	19	4	91	21	110	25
New Hampshire	195	136	70	15	8	44	23	59	30
New Jersey	1,076	816	76	54	5	206	19	260	24
New Mexico	569	403	71	29	5	137	24	166	29
New York	2,071	1,687	81	77	4	307	15	384	19
North Carolina	2,091	1,663	80	68	3	360	17	428	20
North Dakota	133	83	62	8	6	43	32	50	38
Ohio	1,928	1,391	72	84	4	453	24	537	28
Oklahoma	883	668	76	31	3	184	21	215	24
Oregon	632	480	76	30	5	123	19	152	24
Pennsylvania	2,135	1,560	73	80	4	495	23	575	27
Rhode Island	115	69	60	8	7	39	34	46	40
South Carolina	1,391	881	63	77	6	433	31	511	37
South Dakota	218	149	68	11	5	59	27	70	32
Tennessee	1,703	1,223	72	77	4	404	24	480	28
Texas	5,138	3,560	69	221	4	1,357	26	1,578	31
Utah	391	336	86	9	2	46	12	55	14
Vermont	119	90	76	2	2	27	23	29	24
Virginia	1,336	1,034	77	49	4	253	19	302	23
Washington	855	629	74	39	5	187	22	226	26
West Virginia	506	382	75	16	3	108	21	125	25
Wisconsin	1,020	702	69	39	4	279	27	318	31
Wyoming	206	143	69	8	4	55	27	63	31
U.S. Total	57,480	42,774	74	2,414	4	12,293	21	14,706	26
Puerto Rico	619	421	68	37	6	162	26	198	32

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 2001, a total of 16,653 fatally injured drivers had BAC test results out of a total of 25,840, or 64 percent. For surviving drivers, BAC test results were known on 7,736 out of 31,640 drivers, or 24 percent. Overall in 2001, FARS contained BAC test results on a total of 24,389 drivers out of 57,480 involved in fatal crashes, or 42 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, 2001

State	Total Driver Fatalities	With Known Results		With Unknown Results		Not Tested		Unknown If Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	681	89	13	316	46	271	40	5	1
Alaska	61	39	64	3	5	18	30	1	2
Arizona	519	302	58	90	17	6	1	121	23
Arkansas	410	303	74	0	0	107	26	0	0
California	2,075	1,681	81	7	0	164	8	223	11
Colorado	444	383	86	0	0	52	12	9	2
Connecticut	211	172	82	3	1	26	12	10	5
Delaware	77	68	88	2	3	7	9	0	0
District of Columbia	34	0	0	22	65	4	12	8	24
Florida	1,698	1,110	65	30	2	555	33	3	0
Georgia	1,025	613	60	246	24	165	16	1	0
Hawaii	81	61	75	7	9	2	2	11	14
Idaho	158	109	69	7	4	39	25	3	2
Illinois	847	756	89	2	0	89	11	0	0
Indiana	613	333	54	72	12	175	29	33	5
Iowa	299	135	45	13	4	150	50	1	0
Kansas	347	156	45	20	6	170	49	1	0
Kentucky	569	333	59	9	2	227	40	0	0
Louisiana	607	368	61	108	18	102	17	29	5
Maine	120	107	89	0	0	13	11	0	0
Maryland	411	339	82	9	2	5	1	58	14
Massachusetts	287	104	36	1	0	9	3	173	60
Michigan	821	633	77	21	3	167	20	0	0
Minnesota	365	326	89	6	2	24	7	9	2
Mississippi	551	367	67	0	0	184	33	0	0
Missouri	738	551	75	0	0	93	13	94	13
Montana	156	62	40	77	49	16	10	1	1
Nebraska	160	135	84	0	0	25	16	0	0
Nevada	181	141	78	7	4	33	18	0	0
New Hampshire	98	79	81	0	0	9	9	10	10
New Jersey	421	318	76	0	0	72	17	31	7
New Mexico	242	197	81	1	0	22	9	22	9
New York	825	483	59	2	0	39	5	301	36
North Carolina	955	723	76	158	17	51	5	23	2
North Dakota	84	71	85	0	0	13	15	0	0
Ohio	944	631	67	103	11	154	16	56	6
Oklahoma	428	260	61	0	0	146	34	22	5
Oregon	282	239	85	6	2	20	7	17	6
Pennsylvania	965	642	67	162	17	87	9	74	8
Rhode Island	54	51	94	0	0	3	6	0	0
South Carolina	685	445	65	54	8	33	5	153	22
South Dakota	103	81	79	1	1	17	17	4	4
Tennessee	849	250	29	0	0	116	14	483	57
Texas	2,248	740	33	475	21	1,024	46	9	0
Utah	169	87	51	27	16	55	33	0	0
Vermont	62	55	89	0	0	4	6	3	5
Virginia	600	430	72	0	0	66	11	104	17
Washington	392	344	88	1	0	43	11	4	1
West Virginia	247	230	93	2	1	14	6	1	0
Wisconsin	521	429	82	4	1	83	16	5	1
Wyoming	120	92	77	5	4	17	14	6	5
U.S. Total	25,840	16,653	64	2,079	8	4,986	19	2,122	8
Puerto Rico	196	155	79	3	2	38	19	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, 2001

State	Total Surviving Drivers	With Known Results		With Unknown Results		Not Tested		Unknown If Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	681	72	11	180	26	425	62	4	1
Alaska	63	27	43	2	3	34	54	0	0
Arizona	886	46	5	50	6	564	64	226	26
Arkansas	391	196	50	0	0	195	50	0	0
California	3,227	691	21	88	3	2,399	74	49	2
Colorado	534	142	27	3	1	387	72	2	0
Connecticut	211	57	27	9	4	115	55	30	14
Delaware	106	68	64	4	4	32	30	2	2
District of Columbia	52	13	25	23	44	10	19	6	12
Florida	2,606	579	22	63	2	1,931	74	33	1
Georgia	1,292	726	56	304	24	262	20	0	0
Hawaii	107	34	32	15	14	47	44	11	10
Idaho	159	53	33	5	3	98	62	3	2
Illinois	1,121	265	24	0	0	851	76	5	0
Indiana	672	388	58	47	7	219	33	18	3
Iowa	306	106	35	3	1	196	64	1	0
Kansas	293	99	34	7	2	187	64	0	0
Kentucky	591	233	39	5	1	353	60	0	0
Louisiana	671	416	62	57	8	193	29	5	1
Maine	142	118	83	0	0	24	17	0	0
Maryland	529	56	11	15	3	405	77	53	10
Massachusetts	331	12	4	0	0	206	62	113	34
Michigan	1,111	330	30	62	6	719	65	0	0
Minnesota	424	267	63	9	2	117	28	31	7
Mississippi	459	254	55	0	0	205	45	0	0
Missouri	704	86	12	1	0	612	87	5	1
Montana	111	25	23	46	41	36	32	4	4
Nebraska	186	146	78	0	0	40	22	0	0
Nevada	257	97	38	4	2	156	61	0	0
New Hampshire	97	66	68	0	0	22	23	9	9
New Jersey	655	176	27	4	1	426	65	49	7
New Mexico	327	32	10	16	5	219	67	60	18
New York	1,246	53	4	7	1	42	3	1,144	92
North Carolina	1,136	11	1	40	4	1,000	88	85	7
North Dakota	49	16	33	0	0	33	67	0	0
Ohio	984	284	29	55	6	580	59	65	7
Oklahoma	455	9	2	1	0	357	78	88	19
Oregon	350	166	47	5	1	178	51	1	0
Pennsylvania	1,170	132	11	93	8	817	70	128	11
Rhode Island	61	5	8	5	8	45	74	6	10
South Carolina	706	21	3	76	11	116	16	493	70
South Dakota	115	54	47	4	3	48	42	9	8
Tennessee	854	189	22	0	0	403	47	262	31
Texas	2,890	435	15	381	13	2,072	72	2	0
Utah	222	94	42	20	9	107	48	1	0
Vermont	57	22	39	0	0	34	60	1	2
Virginia	736	5	1	3	0	602	82	126	17
Washington	463	94	20	2	0	360	78	7	2
West Virginia	259	59	23	8	3	192	74	0	0
Wisconsin	499	180	36	6	1	312	63	1	0
Wyoming	86	31	36	1	1	53	62	1	1
U.S. Total	31,640	7,736	24	1,729	5	19,036	60	3,139	10
Puerto Rico	423	222	52	18	4	183	43	0	0

Table 9. Blood Alcohol Concentration (BAC) Test Status for Drivers, Pedestrians, and Pedalcyclists Involved in Fatal Traffic Crashes, 1982 and 2001

State	1982			2001		
	Total Involved	Tested With Known Results		Total Involved	Tested With Known Results	
		Number	Percent		Number	Percent
Alabama	1,161	110	9	1,446	163	11
Alaska	159	58	36	131	72	55
Arizona	1,093	315	29	1,601	452	28
Arkansas	765	80	10	844	525	62
California	6,896	3,575	52	6,190	2,979	48
Colorado	925	596	64	1,060	588	55
Connecticut	773	332	43	460	256	56
Delaware	201	169	84	202	151	75
District of Columbia	64	33	52	99	13	13
Florida	4,420	1,067	24	4,971	2,048	41
Georgia	1,808	869	48	2,490	1,421	57
Hawaii	240	126	53	226	120	53
Idaho	315	52	17	338	170	50
Illinois	2,524	883	35	2,206	1,184	54
Indiana	1,405	470	33	1,360	736	54
Iowa	675	173	26	631	243	39
Kansas	703	88	13	668	268	40
Kentucky	1,143	523	46	1,224	589	48
Louisiana	1,681	397	24	1,408	836	59
Maine	237	70	30	279	236	85
Maryland	975	423	43	1,064	483	45
Massachusetts	996	72	7	710	149	21
Michigan	2,177	796	37	2,137	1,089	51
Minnesota	847	413	49	842	631	75
Mississippi	980	90	9	1,077	658	61
Missouri	1,263	201	16	1,539	704	46
Montana	322	125	39	277	87	31
Nebraska	376	200	53	364	291	80
Nevada	392	272	69	496	285	57
New Hampshire	249	89	36	205	147	72
New Jersey	1,686	889	53	1,246	607	49
New Mexico	773	369	48	652	292	45
New York	3,430	951	28	2,500	780	31
North Carolina	1,932	427	22	2,269	861	38
North Dakota	203	14	7	136	90	66
Ohio	2,353	650	28	2,061	948	46
Oklahoma	1,538	592	38	938	301	32
Oregon	732	410	56	707	464	66
Pennsylvania	2,728	1,063	39	2,354	878	37
Rhode Island	159	80	50	126	67	53
South Carolina	1,093	294	27	1,535	540	35
South Dakota	197	126	64	237	140	59
Tennessee	1,464	836	57	1,798	449	25
Texas	6,028	125	2	5,669	1,284	23
Utah	425	278	65	431	187	43
Vermont	141	104	74	126	80	63
Virginia	1,284	454	35	1,458	516	35
Washington	1,068	561	53	944	504	53
West Virginia	605	267	44	538	316	59
Wisconsin	1,114	554	50	1,076	649	60
Wyoming	257	121	47	212	127	60
U.S. Total	64,975	21,832	34	63,558	27,654	44
Puerto Rico	818	256	31	812	520	64

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 2001 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 2001

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	2001	1982	2001
Region I				
Connecticut	69%	51%	43%	28%
Maine	56%	34%	35%	19%
Massachusetts	62%	49%	39%	29%
New Hampshire	64%	49%	38%	23%
Rhode Island	67%	60%	43%	34%
Vermont	65%	38%	35%	23%
Region II				
New Jersey	59%	40%	31%	19%
New York	52%	32%	28%	15%
Puerto Rico*	56%	51%	30%	26%
Region III				
Delaware	67%	48%	40%	24%
District of Columbia	61%	55%	30%	29%
Maryland	56%	44%	32%	20%
Pennsylvania	58%	43%	34%	23%
Virginia	56%	36%	33%	19%
West Virginia	54%	36%	35%	21%
Region IV				
Alabama	58%	38%	36%	22%
Florida	53%	42%	29%	18%
Georgia	61%	35%	34%	16%
Kentucky	59%	29%	32%	16%
Mississippi	58%	36%	35%	22%
North Carolina	63%	35%	36%	17%
South Carolina	60%	56%	35%	31%
Tennessee	63%	43%	40%	24%
Region V				
Illinois	61%	44%	34%	22%
Indiana	52%	37%	31%	20%
Michigan	63%	39%	37%	19%
Minnesota	56%	40%	33%	20%
Ohio	60%	44%	37%	24%
Wisconsin	62%	48%	41%	27%
Region VI				
Arkansas	61%	32%	38%	16%
Louisiana	60%	47%	33%	25%
New Mexico	65%	46%	39%	24%
Oklahoma	58%	39%	32%	21%
Texas	66%	48%	43%	26%
Region VII				
Iowa	52%	35%	30%	17%
Kansas	51%	39%	30%	22%
Missouri	54%	48%	32%	26%
Nebraska	50%	39%	28%	21%
Region VIII				
Colorado	63%	45%	39%	23%
Montana	67%	45%	41%	31%
North Dakota	66%	50%	41%	32%
South Dakota	61%	49%	39%	27%
Utah	41%	23%	23%	12%
Wyoming	59%	44%	36%	27%
Region IX				
Arizona	58%	47%	31%	22%
California	61%	40%	36%	19%
Hawaii	63%	43%	39%	24%
Nevada	68%	42%	40%	21%
Region X				
Alaska	61%	50%	41%	30%
Idaho	51%	37%	32%	21%
Oregon	62%	39%	38%	19%
Washington	64%	43%	42%	22%
U.S. Total	60%	41%	35%	21%

*Not included in U.S. Total.