

Traffic Safety Facts

2003 Data

State Alcohol Estimates

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*.

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 2003 range from a low of 6 percent known BACs to a high of 82 percent known BACs. States with higher rates of known BACs yield estimates of fatal crash alcohol involvement with greater accuracy and precision.

Estimates of Alcohol-Involved Fatalities

The following tables estimate alcohol involvement for the nation and on a state-by-state basis for 1982 and 2003 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 2003, alcohol was involved in 40 percent of the traffic fatalities (BAC 0.01-0.07, 6 percent; BAC 0.08 or greater, 34 percent), translating to 17,013 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, 2003

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	1,001	586	59	40	4	376	38	415	41
Alaska	95	60	63	3	4	31	33	35	37
Arizona	1,120	650	58	63	6	408	36	470	42
Arkansas	627	373	59	51	8	203	32	254	41
California	4,215	2,589	61	249	6	1,378	33	1,626	39
Colorado	632	386	61	26	4	221	35	246	39
Connecticut	294	163	55	17	6	114	39	131	45
Delaware	142	82	58	9	6	51	36	60	42
District of Columbia	67	33	50	4	6	29	44	34	50
Florida	3,169	1,895	60	185	6	1,089	34	1,274	40
Georgia	1,603	1,115	70	68	4	420	26	488	30
Hawaii	135	63	47	18	14	54	40	72	53
Idaho	293	186	63	18	6	90	31	107	37
Illinois	1,453	814	56	99	7	539	37	639	44
Indiana	834	572	69	40	5	223	27	262	31
Iowa	441	296	67	26	6	119	27	145	33
Kansas	471	265	56	24	5	182	39	206	44
Kentucky	928	652	70	36	4	240	26	276	30
Louisiana	894	488	55	44	5	363	41	406	45
Maine	207	132	64	6	3	69	33	75	36
Maryland	649	368	57	73	11	208	32	281	43
Massachusetts	462	255	55	37	8	170	37	207	45
Michigan	1,283	802	63	86	7	395	31	481	37
Minnesota	657	390	59	36	5	231	35	267	41
Mississippi	871	551	63	32	4	288	33	320	37
Missouri	1,232	728	59	80	6	425	34	504	41
Montana	262	134	51	20	8	108	41	128	49
Nebraska	293	172	59	22	8	99	34	121	41
Nevada	368	186	50	24	6	159	43	182	50
New Hampshire	127	75	59	8	7	43	34	52	41
New Jersey	747	472	63	35	5	240	32	275	37
New Mexico	439	241	55	28	6	170	39	198	45
New York	1,491	962	65	71	5	458	31	529	35
North Carolina	1,531	977	64	80	5	474	31	554	36
North Dakota	105	53	50	6	5	47	44	52	50
Ohio	1,277	810	63	66	5	402	31	467	37
Oklahoma	668	413	62	35	5	220	33	255	38
Oregon	512	305	60	32	6	175	34	207	40
Pennsylvania	1,577	959	61	77	5	542	34	618	39
Rhode Island	104	47	45	5	5	52	50	57	55
South Carolina	968	480	50	64	7	423	44	488	50
South Dakota	203	105	52	8	4	90	44	98	48
Tennessee	1,193	746	63	43	4	404	34	447	37
Texas	3,675	1,966	53	209	6	1,500	41	1,709	47
Utah	309	263	85	8	2	39	12	46	15
Vermont	69	41	59	8	11	21	30	29	41
Virginia	943	580	61	55	6	309	33	364	39
Washington	600	341	57	31	5	228	38	259	43
West Virginia	394	246	63	22	6	126	32	148	37
Wisconsin	848	461	54	47	6	340	40	387	46
Wyoming	165	103	62	12	7	50	30	62	38
U.S. Total	42,643	25,630	60	2,383	6	14,630	34	17,013	40
Puerto Rico	493	260	53	50	10	183	37	233	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 2003 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 2003, 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, 2003

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	1,372	1,010	74	42	3	320	23	362	26
Alaska	121	94	77	3	2	24	20	27	23
Arizona	1,477	1,110	75	62	4	305	21	367	25
Arkansas	804	594	74	43	5	167	21	210	26
California	5,674	4,423	78	232	4	1,019	18	1,251	22
Colorado	865	652	75	28	3	185	21	213	25
Connecticut	393	269	68	18	5	106	27	124	32
Delaware	233	177	76	9	4	48	20	56	24
District of Columbia	97	69	71	5	5	23	24	28	29
Florida	4,413	3,403	77	177	4	834	19	1,010	23
Georgia	2,264	1,869	83	63	3	332	15	395	17
Hawaii	166	110	66	15	9	42	25	57	34
Idaho	355	268	75	13	4	74	21	87	25
Illinois	2,001	1,476	74	79	4	446	22	525	26
Indiana	1,242	1,017	82	39	3	187	15	225	18
Iowa	562	439	78	22	4	102	18	123	22
Kansas	650	458	71	26	4	165	25	192	29
Kentucky	1,287	1,049	81	34	3	205	16	239	19
Louisiana	1,183	835	71	47	4	301	25	348	29
Maine	284	218	77	7	2	59	21	66	23
Maryland	997	770	77	61	6	167	17	227	23
Massachusetts	615	435	71	34	5	147	24	180	29
Michigan	1,873	1,479	79	77	4	317	17	394	21
Minnesota	875	640	73	37	4	198	23	235	27
Mississippi	1,121	830	74	34	3	258	23	291	26
Missouri	1,655	1,199	72	75	5	381	23	456	28
Montana	319	202	63	16	5	101	32	117	37
Nebraska	395	289	73	17	4	90	23	106	27
Nevada	495	357	72	26	5	112	23	138	28
New Hampshire	166	125	75	10	6	31	19	41	25
New Jersey	1,050	819	78	40	4	191	18	231	22
New Mexico	500	353	71	23	5	124	25	147	29
New York	1,980	1,566	79	66	3	348	18	414	21
North Carolina	2,124	1,670	79	78	4	376	18	454	21
North Dakota	137	88	64	6	5	43	31	49	36
Ohio	1,866	1,446	77	64	3	356	19	420	23
Oklahoma	927	706	76	33	4	189	20	221	24
Oregon	625	464	74	30	5	131	21	161	26
Pennsylvania	2,220	1,675	75	80	4	465	21	545	25
Rhode Island	141	92	65	6	4	44	31	49	35
South Carolina	1,343	904	67	65	5	374	28	439	33
South Dakota	220	142	65	10	4	68	31	78	35
Tennessee	1,615	1,231	76	41	3	343	21	384	24
Texas	5,011	3,541	71	212	4	1,258	25	1,470	29
Utah	377	340	90	7	2	31	8	38	10
Vermont	98	74	75	6	6	19	19	24	25
Virginia	1,305	998	76	48	4	259	20	307	24
Washington	793	581	73	31	4	181	23	212	27
West Virginia	542	414	76	20	4	109	20	128	24
Wisconsin	1,131	783	69	42	4	307	27	348	31
Wyoming	197	146	74	12	6	39	20	51	26
U.S. Total	58,156	43,896	75	2,264	4	11,996	21	14,260	25
Puerto Rico	643	444	69	48	7	151	23	199	31

Availability of Known BAC Test Results

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

Nationwide in 2003, a total of 17,616 fatally injured drivers had BAC test results out of a total of 26,640, or 66 percent. For surviving drivers, BAC test results were known on 7,705 out of 31,516 drivers, or 24 percent. Overall in 2003, FARS contained BAC test results on a total of 25,321 drivers out of 58,156 involved in fatal crashes, or 44 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, 2003

State	Total Driver Fatalities	With Known Results		With Unknown Results		Not Tested		Unknown if Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	687	46	7	0	0	245	36	396	58
Alaska	64	32	50	0	0	31	48	1	2
Arizona	617	323	52	119	19	10	2	165	27
Arkansas	439	323	74	0	0	107	24	9	2
California	2,262	2,030	90	11	0	221	10	0	0
Colorado	394	330	84	21	5	43	11	0	0
Connecticut	187	160	86	3	2	8	4	16	9
Delaware	90	70	78	6	7	14	16	0	0
District of Columbia	35	1	3	7	20	17	49	10	29
Florida	1,839	1,166	63	31	2	640	35	2	0
Georgia	1,029	696	68	89	9	244	24	0	0
Hawaii	70	56	80	14	20	0	0	0	0
Idaho	192	135	70	6	3	49	26	2	1
Illinois	887	786	89	1	0	97	11	3	0
Indiana	554	353	64	5	1	196	35	0	0
Iowa	302	125	41	9	3	168	56	0	0
Kansas	311	74	24	34	11	185	59	18	6
Kentucky	640	324	51	20	3	296	46	0	0
Louisiana	584	175	30	190	33	33	6	186	32
Maine	149	127	85	2	1	20	13	0	0
Maryland	382	323	85	3	1	4	1	52	14
Massachusetts	272	152	56	42	15	22	8	56	21
Michigan	802	540	67	31	4	231	29	0	0
Minnesota	440	327	74	15	3	54	12	44	10
Mississippi	618	341	55	1	0	275	44	1	0
Missouri	841	643	76	2	0	114	14	82	10
Montana	180	142	79	3	2	17	9	18	10
Nebraska	191	161	84	2	1	28	15	0	0
Nevada	202	165	82	6	3	31	15	0	0
New Hampshire	82	74	90	0	0	8	10	0	0
New Jersey	422	183	43	5	1	47	11	187	44
New Mexico	232	206	89	20	9	4	2	2	1
New York	811	303	37	3	0	33	4	472	58
North Carolina	975	737	76	200	21	0	0	38	4
North Dakota	73	64	88	0	0	7	10	2	3
Ohio	873	816	93	4	0	52	6	1	0
Oklahoma	439	369	84	0	0	64	15	6	1
Oregon	298	238	80	12	4	47	16	1	0
Pennsylvania	1,051	813	77	130	12	71	7	37	4
Rhode Island	67	63	94	0	0	4	6	0	0
South Carolina	659	442	67	48	7	98	15	71	11
South Dakota	125	110	88	1	1	6	5	8	6
Tennessee	811	255	31	338	42	218	27	0	0
Texas	2,280	1,053	46	245	11	922	40	60	3
Utah	170	106	62	0	0	64	38	0	0
Vermont	47	46	98	0	0	1	2	0	0
Virginia	633	437	69	1	0	50	8	145	23
Washington	368	325	88	0	0	32	9	11	3
West Virginia	279	249	89	4	1	25	9	1	0
Wisconsin	583	527	90	2	0	52	9	2	0
Wyoming	102	74	73	7	7	18	18	3	3
U.S. Total	26,640	17,616	66	1,693	6	5,223	20	2,108	8
Puerto Rico	223	170	76	5	2	48	22	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, 2003

State	Total Surviving Drivers	With Known Results		With Unknown Results		Not Tested		Unknown if Tested	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent
Alabama	685	44	6	1	0	401	59	239	35
Alaska	57	25	44	0	0	31	54	1	2
Arizona	860	59	7	36	4	578	67	187	22
Arkansas	365	189	52	0	0	172	47	4	1
California	3,412	725	21	77	2	2,550	75	60	2
Colorado	471	110	23	6	1	355	75	0	0
Connecticut	206	61	30	5	2	96	47	44	21
Delaware	143	48	34	4	3	90	63	1	1
District of Columbia	62	10	16	4	6	35	56	13	21
Florida	2,574	593	23	53	2	1,903	74	25	1
Georgia	1,235	770	62	82	7	383	31	0	0
Hawaii	96	35	36	10	10	50	52	1	1
Idaho	163	64	39	7	4	90	55	2	1
Illinois	1,114	213	19	11	1	874	78	16	1
Indiana	688	436	63	4	1	248	36	0	0
Iowa	260	89	34	2	1	169	65	0	0
Kansas	339	61	18	44	13	219	65	15	4
Kentucky	647	205	32	9	1	433	67	0	0
Louisiana	599	298	50	91	15	120	20	90	15
Maine	135	97	72	0	0	38	28	0	0
Maryland	615	94	15	2	0	483	79	36	6
Massachusetts	343	4	1	3	1	309	90	27	8
Michigan	1,071	343	32	52	5	676	63	0	0
Minnesota	435	239	55	12	3	114	26	70	16
Mississippi	503	124	25	3	1	376	75	0	0
Missouri	814	156	19	11	1	579	71	68	8
Montana	139	79	57	1	1	49	35	10	7
Nebraska	204	156	76	0	0	48	24	0	0
Nevada	293	96	33	10	3	187	64	0	0
New Hampshire	84	38	45	0	0	45	54	1	1
New Jersey	628	98	16	10	2	269	43	251	40
New Mexico	268	50	19	36	13	150	56	32	12
New York	1,169	42	4	6	1	45	4	1,076	92
North Carolina	1,149	14	1	58	5	1,014	88	63	5
North Dakota	64	21	33	0	0	41	64	2	3
Ohio	993	343	35	9	1	637	64	4	0
Oklahoma	488	71	15	35	7	358	73	24	5
Oregon	327	163	50	15	5	149	46	0	0
Pennsylvania	1,169	147	13	140	12	813	70	69	6
Rhode Island	74	3	4	6	8	61	82	4	5
South Carolina	684	27	4	51	7	55	8	551	81
South Dakota	95	72	76	1	1	15	16	7	7
Tennessee	804	181	23	231	29	392	49	0	0
Texas	2,731	502	18	233	9	1,946	71	50	2
Utah	207	107	52	0	0	100	48	0	0
Vermont	51	16	31	0	0	34	67	1	2
Virginia	672	10	1	1	0	589	88	72	11
Washington	425	75	18	4	1	329	77	17	4
West Virginia	263	54	21	16	6	192	73	1	0
Wisconsin	548	222	41	0	0	326	59	0	0
Wyoming	95	26	27	8	8	60	63	1	1
U.S. Total	31,516	7,705	24	1,400	4	19,276	61	3,135	10
Puerto Rico	420	254	60	14	3	152	36	0	0

Table 9

Blood Alcohol Concentration (BAC) Test Status for Drivers, Pedestrians, and Pedalcyclists Involved in Fatal Traffic Crashes, 1982 and 2003

State	1982			2003		
	Total Involved	Tested With Known Results		Total Involved	Tested With Known Results	
		Number	Percent		Number	Percent
Alabama	1,161	110	9	1,454	93	6
Alaska	159	58	36	133	62	47
Arizona	1,093	315	29	1,627	467	29
Arkansas	765	80	10	845	533	63
California	6,896	3,575	52	6,641	3,415	51
Colorado	925	596	64	929	492	53
Connecticut	773	332	43	431	247	57
Delaware	201	169	84	253	136	54
District of Columbia	64	33	52	116	12	10
Florida	4,420	1,067	24	5,041	2,111	42
Georgia	1,808	869	48	2,450	1,564	64
Hawaii	240	126	53	196	112	57
Idaho	315	52	17	371	205	55
Illinois	2,524	883	35	2,230	1,161	52
Indiana	1,405	470	33	1,320	809	61
Iowa	675	173	26	583	217	37
Kansas	703	88	13	684	140	20
Kentucky	1,143	523	46	1,356	544	40
Louisiana	1,681	397	24	1,290	497	39
Maine	237	70	30	299	228	76
Maryland	975	423	43	1,123	515	46
Massachusetts	996	72	7	721	209	29
Michigan	2,177	796	37	2,087	996	48
Minnesota	847	413	49	936	598	64
Mississippi	980	90	9	1,169	475	41
Missouri	1,263	201	16	1,749	855	49
Montana	322	125	39	332	229	69
Nebraska	376	200	53	412	328	80
Nevada	392	272	69	577	318	55
New Hampshire	249	89	36	187	130	70
New Jersey	1,686	889	53	1,217	330	27
New Mexico	773	369	48	554	295	53
New York	3,430	951	28	2,391	445	19
North Carolina	1,932	427	22	2,305	882	38
North Dakota	203	14	7	144	89	62
Ohio	2,353	650	28	1,992	1,250	63
Oklahoma	1,538	592	38	967	470	49
Oregon	732	410	56	683	436	64
Pennsylvania	2,728	1,063	39	2,436	1,086	45
Rhode Island	159	80	50	156	78	50
South Carolina	1,093	294	27	1,440	536	37
South Dakota	197	126	64	231	190	82
Tennessee	1,464	836	57	1,723	451	26
Texas	6,028	125	2	5,485	1,712	31
Utah	425	278	65	414	221	53
Vermont	141	104	74	106	65	61
Virginia	1,284	454	35	1,405	509	36
Washington	1,068	561	53	886	473	53
West Virginia	605	267	44	566	321	57
Wisconsin	1,114	554	50	1,201	802	67
Wyoming	257	121	47	208	103	50
U.S. Total	64,975	21,832	34	64,052	28,442	44
Puerto Rico	818	256	31	819	546	67

State-Level Estimates on a Regional Basis

For the states in the various NHTSA regions, the following table summarizes the estimated percentages of fatalities that were alcohol related (BAC of 0.01 or greater) in 1982 and 2003 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 2003

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	2003	1982	2003
Region I				
Connecticut	69%	45%	43%	27%
Maine	56%	36%	35%	21%
Massachusetts	62%	45%	39%	24%
New Hampshire	64%	41%	38%	19%
Rhode Island	67%	55%	43%	31%
Vermont	65%	41%	35%	19%
Region II				
New Jersey	59%	37%	31%	18%
New York	52%	35%	28%	18%
Puerto Rico*	56%	47%	30%	23%
Region III				
Delaware	67%	42%	40%	20%
District of Columbia	61%	50%	30%	24%
Maryland	56%	43%	32%	17%
Pennsylvania	58%	39%	34%	21%
Virginia	56%	39%	33%	20%
West Virginia	54%	37%	35%	20%
Region IV				
Alabama	58%	41%	36%	23%
Florida	53%	40%	29%	19%
Georgia	61%	30%	34%	15%
Kentucky	59%	30%	32%	16%
Mississippi	58%	37%	35%	23%
North Carolina	63%	36%	36%	18%
South Carolina	60%	50%	35%	28%
Tennessee	63%	37%	40%	21%
Region V				
Illinois	61%	44%	34%	22%
Indiana	52%	31%	31%	15%
Michigan	63%	37%	37%	17%
Minnesota	56%	41%	33%	23%
Ohio	60%	37%	37%	19%
Wisconsin	62%	46%	41%	27%
Region VI				
Arkansas	61%	41%	38%	21%
Louisiana	60%	45%	33%	25%
New Mexico	65%	45%	39%	25%
Oklahoma	58%	38%	32%	20%
Texas	66%	47%	43%	25%
Region VII				
Iowa	52%	33%	30%	18%
Kansas	51%	44%	30%	25%
Missouri	54%	41%	32%	23%
Nebraska	50%	41%	28%	23%
Region VIII				
Colorado	63%	39%	39%	21%
Montana	67%	49%	41%	32%
North Dakota	66%	50%	41%	31%
South Dakota	61%	48%	39%	31%
Utah	41%	15%	23%	8%
Wyoming	59%	38%	36%	20%
Region IX				
Arizona	58%	42%	31%	21%
California	61%	39%	36%	18%
Hawaii	63%	53%	39%	25%
Nevada	68%	50%	40%	23%
Region X				
Alaska	61%	37%	41%	20%
Idaho	51%	37%	32%	21%
Oregon	62%	40%	38%	21%
Washington	64%	43%	42%	23%
U.S. Total	60%	40%	35%	21%

*Not included in U.S. Total.

For more information:

Information on state alcohol estimates is available from the National Center for Statistics and Analysis, NPO-101, 400 Seventh Street, 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.nhtsa.dot.gov/people/ncsa>. To report a safety-related problem or to inquire about motor vehicle safety information, contact the DOT Vehicle Safety Hotline at 1-888-327-4236.

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