

Fatality Analysis Reporting System General Estimates System

2009 DATA SUMMARY



CONTENTS

FARS and GES Data.....	1
Data Availability.....	2

EXHIBITS

1. 2009 Traffic Fatalities by State and Percent Change From 2008 ..	3
2. Crashes by Crash Severity, 1999-2009.....	4
3. Fatality and Injury Rates per Population and Vehicle Miles Traveled, 1999-2009	5
4. Vehicles Involved in Crashes by Vehicle Type and Crash Severity, 2009	6
5. Passenger Car Occupant Fatality and Injury Rates per Vehicle Miles Traveled, 1999-2009.....	7
6. Light Truck Occupant Fatality and Injury Rates per Vehicle Miles Traveled, 1999-2009.....	8
7. Large Truck Occupant Fatality and Injury Rates per Vehicle Miles Traveled, 1999-2009.....	9
8. Motorcyclist Fatality and Injury Rates per Vehicle Miles Traveled, 1999-2009.....	10
9. Fatalities in School Transportation Related Crashes, 1999-2009.....	11
10. Persons Killed, by Highest Driver Blood Alcohol Concentration in the Crash, 1992-2009.....	12
11. Persons Killed and Percent Alcohol-Impaired Driving During Holiday Periods, 1999-2009	13
12. Drivers in Fatal Crashes by Blood Alcohol Concentration and Sex, 1982-2009.....	14
13. Pedestrians Killed, 14 Years and Older, by Blood Alcohol Concentration, 1982-2009	15
14. Persons Killed, by Age and Highest Driver Blood Alcohol Concentration in the Crash, 2009.....	16
15. Age and Alcohol, 2009	17

EXHIBITS (continued)

16. Persons Killed or Injured, by Person Type and Injury Severity, 2009	18
17. Related Factors for Drivers and Motorcycle Riders Involved in Fatal Crashes, 2009	19
18. Vehicle Occupants Killed or Injured, by Age and Vehicle Type, 2009	20
19. Percent Rollover Occurrence by Vehicle Type and Crash Severity, 2009	21
20. Vehicle Occupants Killed or Injured, by Vehicle Type and Ejection, 2009	22
21. Occupants Killed or Injured in Two-Vehicle Crashes, by Vehicle Types Involved, 2009	23
22. Passenger Car and Light Truck Occupants Killed or Injured, by Age and Restraint Use, 2009	24
23. Persons Killed or Injured in Crashes Involving Large Trucks, 2009	25
24. Principal Impact Points in Two-Vehicle Fatal Crashes Involving Large Trucks, 2009	26
25. Speeding Drivers in Fatal Crashes by Age and Sex, 2009	27
26. Lives Saved, 1975-2009	28

FARS AND GES DATA

FARS, the Fatality Analysis Reporting System that became operational in 1975, contains data on a census of fatal traffic crashes within the 50 States, the District of Columbia, and Puerto Rico. To be included in FARS, a crash must involve a motor vehicle traveling on a trafficway customarily open to the public, and must result in the death of an occupant of a vehicle or a nonoccupant within 30 days of the crash.

The 2009 FARS data file used for the statistics in this report was created in May 2010. The updated final counts for 2008 are reflected in this report. The updated final counts for 2009 will be reflected in the 2010 report.

Data in the General Estimates System (GES) are obtained from a nationally representative probability sample selected from all police-reported crashes. The system began operation in 1988. To be eligible for the GES sample, a police accident report (PAR) must be completed for the crash, and the crash must involve at least one motor vehicle traveling on a trafficway and must result in property damage, injury, or death.

The 2009 GES file used for the statistics in this report was completed in May 2010.

DATA AVAILABILITY

FARS and GES data can be obtained by downloading any of the published files from the Internet, at <ftp://ftp.nhtsa.dot.gov/FARS> or <ftp://ftp.nhtsa.dot.gov/GES>. The files are available in SAS, sequential ASCII, and (for FARS only, not GES) DBF file formats. FARS data can also be accessed on the Web at www-fars.nhtsa.dot.gov. Requests for more information from FARS or GES or for a copy of the data files should be directed to:

National Highway Traffic Safety Administration
National Center for Statistics and Analysis, NVS-424
1200 New Jersey Avenue SE.
Washington, DC 20590
202-366-4198 or 800-934-8517,
or 202-366-7078 (Fax)

Requests for more information may also be submitted online via NCSA's Customer Automated Tracking System (CATS) at www-nrd.nhtsa.dot.gov/CATS/index.aspx.

Exhibit 1 - 2009 Traffic Fatalities by State and Percent Change From 2008

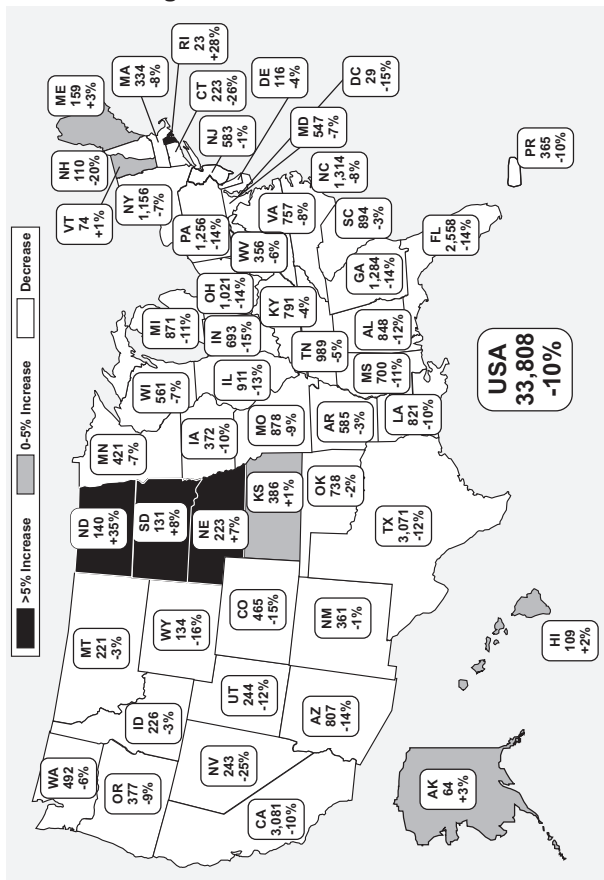


Exhibit 2 - **Crashes by Crash Severity, 1999-2009**

Year	Crash Severity			
	Fatal	Injury	Property Damage Only	Total
1999	37,140	2,054,000	4,188,000	6,279,000
2000	37,526	2,070,000	4,286,000	6,394,000
2001	37,862	2,003,000	4,282,000	6,323,000
2002	38,491	1,929,000	4,348,000	6,316,000
2003	38,477	1,925,000	4,365,000	6,328,000
2004	38,444	1,862,000	4,281,000	6,181,000
2005	39,252	1,816,000	4,304,000	6,159,000
2006	38,648	1,746,000	4,189,000	5,973,000
2007	37,435	1,711,000	4,275,000	6,024,000
2008	34,172	1,630,000	4,146,000	5,811,000
2009	30,797	1,517,000	3,957,000	5,505,000

Exhibit 3 - Fatality and Injury Rates per Population and Vehicle Miles Traveled, 1999-2009

Killed					
Year	Fatalities	Resident Population (Thousands)	Fatality Rate per 100,000 Population	Vehicle Miles Traveled (Billions)	Fatality Rate per 100 Million VMT
1999	41,717	272,691	15.30	2,690	1.55
2000	41,945	282,172	14.87	2,747	1.53
2001	42,196	285,082	14.80	2,796	1.51
2002	43,005	287,804	14.94	2,856	1.51
2003	42,884	290,326	14.77	2,890	1.48
2004	42,836	293,046	14.62	2,965	1.44
2005	43,510	295,753	14.71	2,989	1.46
2006	42,708	298,593	14.30	3,014	1.42
2007	41,259	301,580	13.68	3,031	1.36
2008	37,423	304,375	12.30	2,977	1.26
2009	33,808	307,007	11.01	2,954	1.14
Injured					
Year	Injured	Resident Population (Thousands)	Injury Rate per 100,000 Population	Vehicle Miles Traveled (Billions)	Injury Rate per 100 Million VMT
1999	3,236,000	272,691	1,187	2,690	120
2000	3,189,000	282,172	1,130	2,747	116
2001	3,033,000	285,082	1,064	2,796	108
2002	2,926,000	287,804	1,017	2,856	102
2003	2,889,000	290,326	995	2,890	100
2004	2,788,000	293,046	952	2,965	94
2005	2,699,000	295,753	913	2,989	90
2006	2,575,000	298,593	862	3,014	85
2007	2,491,000	301,580	826	3,031	82
2008	2,346,000	304,375	771	2,977	79
2009	2,217,000	307,007	722	2,954	75

Sources: Vehicle Miles Traveled—Federal Highway Administration; Population—U.S. Bureau of the Census.

Exhibit 4 - Vehicles Involved in Crashes by Vehicle Type and Crash Severity, 2009

Vehicle Type	Crash Severity									
	Fatal		Injury		Property Damage Only		Total			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent		
Passenger Car	18,350	40.4	1,507,000	55.2	3,686,000	53.7	5,211,000	54.1		
Light Truck	17,902	39.4	1,066,000	39.1	2,866,000	41.7	3,950,000	41.0		
Large Truck	3,215	7.1	53,000	2.0	239,000	3.5	296,000	3.1		
Motorcycle	4,595	10.1	84,000	3.1	17,000	0.2	106,000	1.1		
Bus	221	0.5	10,000	0.4	47,000	0.7	58,000	0.6		
Other	592	1.3	6,000	0.2	12,000	0.2	19,000	0.2		
Total	*45,435	100.0	2,727,000	100.0	6,868,000	100.0	9,640,000	100.0		

*Includes 560 vehicles of unknown type involved in fatal crashes.

Exhibit 5 - Passenger Car Occupant Fatality and Injury Rates per Vehicle Miles Traveled, 1999-2009

Year	Vehicle Miles Traveled (Millions)	Passenger Car Occupants Killed	Fatality Rate per 100 Million VMT	Passenger Car Occupants Injured	Injury Rate per 100 Million VMT
1999	1,569,455	20,862	1.33	2,138,000	136
2000	1,583,127	20,699	1.31	2,052,000	130
2001	1,596,579	20,320	1.27	1,927,000	121
2002	1,613,749	20,569	1.27	1,805,000	112
2003	1,613,543	19,725	1.22	1,756,000	109
2004	1,629,955	19,192	1.18	1,643,000	101
2005	1,616,908	18,512	1.14	1,573,000	97
2006	1,616,328	17,925	1.11	1,475,000	91
2007	1,554,673	16,614	1.07	1,379,000	89
2008	1,524,331	14,646	0.96	1,304,000	86
2009	1,508,687	13,095	0.87	1,216,000	81

Note: In August 2011, starting with 2009 data, the Federal Highway Administration implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type. In addition, revisions were made to 2008 and 2007 data using this enhanced methodology. As a result of the Federal Highway Administration's changes, involvement rates may differ, and in some cases significantly, from previously published rates.

Source: Vehicle Miles Traveled—Federal Highway Administration, revised by NHTSA.

Exhibit 6 - Light Truck Occupant Fatality and Injury Rates per Vehicle Miles Traveled, 1999-2009

Year	Vehicle Miles Traveled (Millions)	Light Truck Occupants Killed	Fatality Rate per 100 Million VMT	Light Truck Occupants Injured	Injury Rate per 100 Million VMT
1999	900,667	11,265	1.25	847,000	94
2000	940,219	11,526	1.23	887,000	94
2001	973,401	11,723	1.20	861,000	88
2002	1,010,759	12,274	1.21	879,000	87
2003	1,042,444	12,546	1.20	889,000	85
2004	1,097,099	12,674	1.16	900,000	82
2005	1,132,564	13,037	1.15	872,000	77
2006	1,156,697	12,761	1.10	857,000	74
2007	1,136,361	12,458	1.10	841,000	74
2008	1,105,882	10,816	0.98	768,000	69
2009	1,121,651	10,287	0.92	759,000	68

Note: In August 2011, starting with 2009 data, the Federal Highway Administration implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type. In addition, revisions were made to 2008 and 2007 data using this enhanced methodology. As a result of the Federal Highway Administration's changes, involvement rates may differ, and in some cases significantly, from previously published rates.

Source: Vehicle Miles Traveled—Federal Highway Administration, revised by NHTSA.

Exhibit 7 - Large Truck Occupant Fatality and Injury Rates per Vehicle Miles Traveled, 1999-2009

Year	Vehicle Miles Traveled (Millions)	Large Truck Occupants Killed	Fatality Rate per 100 Million VMT	Large Truck Occupants Injured	Injury Rate per 100 Million VMT
1999	202,688	759	0.37	33,000	16
2000	205,520	754	0.37	31,000	15
2001	208,928	708	0.34	29,000	14
2002	214,603	689	0.32	26,000	12
2003	217,876	726	0.33	27,000	12
2004	220,811	766	0.35	27,000	12
2005	222,523	804	0.36	27,000	12
2006	222,513	805	0.36	23,000	10
2007	304,178	805	0.26	23,000	8
2008	310,680	682	0.22	23,000	7
2009	288,005	503	0.17	17,000	6

Note: In August 2011, starting with 2009 data, the Federal Highway Administration implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type. In addition, revisions were made to 2008 and 2007 data using this enhanced methodology. As a result of the Federal Highway Administration's changes, involvement rates may differ, and in some cases significantly, from previously published rates.

Source: Vehicle Miles Traveled—Federal Highway Administration.

Exhibit 8 - Motorcyclist Fatality and Injury Rates per Vehicle Miles Traveled, 1999-2009

Year	Vehicle Miles Traveled (Millions)	Motorcyclists Killed	Fatality Rate per 100 Million VMT	Motorcyclists Injured	Injury Rate per 100 Million VMT
1999	10,584	2,483	23.46	50,000	472
2000	10,469	2,897	27.67	58,000	551
2001	9,633	3,197	33.19	60,000	625
2002	9,552	3,270	34.23	65,000	677
2003	9,576	3,714	38.78	67,000	701
2004	10,122	4,028	39.79	76,000	755
2005	10,454	4,576	43.77	87,000	835
2006	12,049	4,837	40.14	88,000	727
2007	21,396	5,174	24.18	103,000	481
2008	20,811	5,312	25.52	96,000	461
2009	20,800	4,462	21.45	90,000	431

Note: In August 2011, starting with 2009 data, the Federal Highway Administration implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type. In addition, revisions were made to 2008 and 2007 data using this enhanced methodology. As a result of the Federal Highway Administration's changes, involvement rates may differ, and in some cases significantly, from previously published rates.

Source: Vehicle Miles Traveled—Federal Highway Administration.

Exhibit 9 - Fatalities in School Transportation Related Crashes, 1999-2009

Year	Occupants of School Transportation Vehicle*			Pedestrians			Other Non-occupants	Occupants of Other Vehicle	Total
	Driver	Passenger	Total	Struck by School Vehicle*	Struck by Other Vehicle	Total			
1999	6	4	10	20	6	26	4	127	167
2000	8	13	21	19	7	26	1	99	147
2001	6	12	18	18	4	22	6	95	141
2002	1	2	3	16	4	20	6	100	129
2003	6	5	11	22	5	27	2	100	140
2004	3	4	7	27	3	30	3	93	133
2005	5	5	10	27	3	30	7	87	134
2006	3	5	8	19	3	22	2	118	150
2007	4	1	5	16	2	19**	6	112	142
2008	4	15	19	20	1	21	8	104	152
2009	2	3	5	13	8	21	1	91	118
Total	48	69	117	217	46	264	46	1,126	1,553
Average	4	6	11	20	4	24	4	102	141

*Includes school bus body type and non-school bus used as school bus.

**Includes 1 pedestrian fatality for which the striking vehicle was not identified.

Exhibit 10 - Persons Killed, by Highest Driver Blood Alcohol Concentration in the Crash, 1994-2009

Year	BAC = .00		BAC = .01-.07		Alcohol-Impaired Driving Fatalities (BAC = .08+)		BAC = .01+		Total Fatalities	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
1994	24,948	61	2,236	5	13,390	33	15,626	38	40,716	100
1995	25,768	62	2,416	6	13,478	32	15,893	38	41,817	100
1996	26,052	62	2,415	6	13,451	32	15,866	38	42,065	100
1997	26,902	64	2,216	5	12,757	30	14,973	36	42,013	100
1998	26,477	64	2,353	6	12,546	30	14,899	36	41,501	100
1999	26,798	64	2,235	5	12,555	30	14,790	35	41,717	100
2000	26,082	62	2,422	6	13,324	32	15,746	38	41,945	100
2001	26,334	62	2,441	6	13,290	31	15,731	37	42,196	100
2002	27,080	63	2,321	5	13,472	31	15,793	37	43,005	100
2003	27,328	64	2,327	5	13,096	31	15,423	36	42,884	100
2004	27,413	64	2,212	5	13,099	31	15,311	36	42,836	100
2005	27,423	63	2,404	6	13,582	31	15,985	37	43,510	100
2006	26,633	62	2,479	6	13,491	32	15,970	37	42,708	100
2007	25,611	62	2,494	6	13,041	32	15,534	38	41,259	100
2008	23,499	63	2,115	6	11,711	31	13,826	37	37,423	100
2009	20,961	62	1,905	6	10,839	32	12,744	38	33,808	100

Notes: Total fatalities include those in which there was no driver or motorcycle rider present. NHTSA estimates alcohol involvement when alcohol test results are unknown. Blood alcohol concentrations (BACs) measured in grams per deciliter (g/dL).

Exhibit 11 - Persons Killed and Percent Alcohol-Impaired Driving During Holiday Periods, 1999-2009

Year	Killed	Alcohol-Impaired Driving*	Killed	Alcohol-Impaired Driving*	Killed	Alcohol-Impaired Driving*
	Holiday Period**					
	New Year's Day		Memorial Day		Fourth of July	
1999	354 (3)	43%	500 (3)	42%	509 (3)	35%
2000	469 (3)	47%	466 (3)	46%	717 (4)	39%
2001	357 (3)	40%	515 (3)	44%	207 (1)	44%
2002	575 (4)	41%	494 (3)	37%	685 (4)	36%
2003	220 (1)	49%	481 (3)	37%	519 (3)	43%
2004	563 (4)	40%	514 (3)	38%	524 (3)	40%
2005	472 (3)	38%	532 (3)	39%	591 (3)	44%
2006	456 (3)	42%	511 (3)	40%	659 (4)	37%
2007	391 (3)	40%	492 (3)	37%	202 (1)	45%
2008	424 (4)	41%	425 (3)	41%	494 (3)	44%
2009	468 (4)	40%	473 (3)	42%	410 (3)	40%
	Labor Day		Thanksgiving		Christmas	
1999	485 (3)	38%	581 (4)	36%	485 (3)	41%
2000	529 (3)	43%	509 (4)	41%	442 (3)	40%
2001	481 (3)	40%	590 (4)	39%	604 (4)	39%
2002	543 (3)	45%	551 (4)	36%	131 (1)	40%
2003	507 (3)	38%	562 (4)	36%	520 (4)	37%
2004	502 (3)	38%	574 (4)	30%	389 (3)	38%
2005	507 (3)	40%	629 (4)	37%	402 (3)	40%
2006	508 (3)	37%	635 (4)	34%	395 (3)	42%
2007	520 (3)	42%	553 (4)	35%	478 (4)	38%
2008	493 (3)	40%	507 (4)	35%	426 (4)	32%
2009	360 (3)	38%	411 (4)	34%	262 (3)	37%

*Highest blood alcohol concentration (BAC) among drivers or motorcycle riders involved in the crash was .08 grams per deciliter (g/dL) or greater.

**The number of whole days in the holiday period is shown in parentheses. The length of the holiday period depends on the day on which the legal holiday falls, as follows: • If the holiday falls on *Monday*, the holiday period is from 6 p.m. Friday to 5:59 a.m. Tuesday. • If the holiday falls on *Tuesday*, the holiday period is from 6 p.m. Friday to 5:59 a.m. Wednesday. • If the holiday falls on *Wednesday*, the holiday period is from 6 p.m. Tuesday to 5:59 a.m. Thursday. • If the holiday falls on *Thursday*, the holiday period is from 6 p.m. Wednesday to 5:59 a.m. Monday. • If the holiday falls on *Friday*, the holiday period is from 6 p.m. Thursday to 5:59 a.m. Monday. • Number of days and number of hours incorporated: 1 day (36 hours), 2 days (60 hours), 3 days (84 hours), 4 days (108 hours).

Exhibit 12 - Drivers in Fatal Crashes by Blood Alcohol Concentration and Sex, 1982-2009

Year	Male			Female		
	Total	Percent		Total	Percent	
		BAC = .01+	BAC = .08+		BAC = .01+	BAC = .08+
1982	44,370	44	38	10,675	27	22
1983	42,812	43	37	10,958	25	22
1984	44,723	41	35	11,907	25	20
1985	44,846	38	32	12,142	22	18
1986	46,653	40	33	12,744	22	17
1987	46,884	37	32	13,614	21	17
1988	47,402	37	31	13,951	20	16
1989	45,448	35	30	14,054	19	16
1990	44,281	37	32	13,726	20	16
1991	40,731	35	30	12,825	19	16
1992	38,598	33	28	12,596	18	15
1993	39,556	32	27	13,082	17	14
1994	40,233	30	26	13,567	17	14
1995	41,235	30	25	14,184	16	13
1996	41,376	29	25	14,850	16	13
1997	40,954	28	24	14,954	15	12
1998	40,816	28	23	15,089	15	12
1999	41,012	28	23	14,835	14	12
2000	41,795	29	24	14,790	16	13
2001	41,901	29	24	14,919	15	13
2002	42,377	29	25	14,999	15	12
2003	42,586	28	24	15,211	14	12
2004	42,250	28	24	15,384	15	12
2005	43,282	28	24	15,059	16	13
2006	42,223	29	24	14,753	18	15
2007	41,053	29	24	14,184	16	13
2008	37,061	29	25	12,627	16	13
2009	32,807	30	25	11,825	16	14

Notes: NHTSA estimates alcohol involvement when alcohol test results are unknown. Blood alcohol concentrations (BACs) measured in grams per deciliter (g/dL).

Exhibit 13 - Pedestrians Killed, 14 Years and Older, by Blood Alcohol Concentration, 1982-2009

Year	BAC = .00		BAC = .01-.07		BAC = .08+		Total	
	No.	%	No.	%	No.	%	No.	%
1982	3,132	51	321	5	2,701	44	6,154	100
1983	2,905	51	297	5	2,508	44	5,710	100
1984	3,159	53	283	5	2,465	42	5,907	100
1985	3,072	54	342	6	2,288	40	5,702	100
1986	3,104	54	334	6	2,264	40	5,702	100
1987	3,188	56	344	6	2,183	38	5,715	100
1988	3,364	58	287	5	2,173	37	5,825	100
1989	3,164	56	300	5	2,193	39	5,658	100
1990	3,185	57	260	5	2,150	38	5,595	100
1991	2,862	57	236	5	1,907	38	5,005	100
1992	2,712	56	231	5	1,868	39	4,812	100
1993	2,792	57	199	4	1,869	38	4,860	100
1994	2,782	59	230	5	1,725	36	4,737	100
1995	2,871	59	225	5	1,801	37	4,896	100
1996	2,749	58	212	4	1,816	38	4,777	100
1997	2,889	61	177	4	1,649	35	4,715	100
1998	2,743	59	248	5	1,689	36	4,680	100
1999	2,568	58	194	4	1,657	37	4,419	100
2000	2,535	59	213	5	1,541	36	4,288	100
2001	2,666	60	220	5	1,567	35	4,453	100
2002	2,670	60	193	4	1,589	36	4,451	100
2003	2,621	60	192	4	1,570	36	4,383	100
2004	2,563	60	208	5	1,535	36	4,306	100
2005	2,778	61	197	4	1,566	34	4,541	100
2006	2,580	58	222	5	1,661	37	4,463	100
2007	2,585	59	207	5	1,594	36	4,386	100
2008	2,409	58	183	4	1,553	37	4,145	100
2009	2,283	59	163	4	1,405	36	3,851	100

Notes: NHTSA estimates alcohol involvement when alcohol test results are unknown. Blood alcohol concentrations (BACs) measured in grams per deciliter (g/dL).

Exhibit 14 - Persons Killed, by Age and Highest Driver Blood Alcohol Concentration in the Crash, 2009

Age (Years)	Highest Driver BAC in Crash										Total	
	.00		.01-.07		.08 or Higher*		.01 and Higher				No.	%
	No.	%	No.	%	No.	%	No.	%				
<5	339	79	23	5	66	15	89	21	430	100		
5-9	312	82	19	5	47	12	67	18	380	100		
10-15	588	81	33	5	105	14	138	19	728	100		
16-20	2,457	62	281	7	1,180	30	1,461	37	3,932	100		
21-24	1,475	45	239	7	1,563	48	1,802	55	3,287	100		
25-34	2,650	47	379	7	2,643	46	3,023	53	5,689	100		
35-44	2,540	53	299	6	1,975	41	2,274	47	4,826	100		
45-54	3,193	59	300	6	1,890	35	2,190	41	5,397	100		
55-64	2,755	73	161	4	852	23	1,013	27	3,781	100		
65-74	1,986	84	80	3	301	13	381	16	2,374	100		
>74	2,628	90	86	3	193	7	279	10	2,914	100		
Unknown	39	56	3	4	25	36	28	40	70	100		
Total	20,961	62	1,905	6	10,839	32	12,744	38	33,808	100		

*BAC of .08 g/dL or higher indicates alcohol-impaired driving.

Notes: NHTSA estimates alcohol involvement when alcohol test results are unknown. Blood alcohol concentrations (BACs) measured in grams per deciliter (g/dL).

Exhibit 15 - **Age and Alcohol, 2009**

Age Group (years)	Drivers Involved in Fatal Crashes			Pedestrian Fatalities		
	Total	BAC = .08+		Total	BAC = .08+	
		No.	%		No.	%
<16	181	13	7	276	6	2
16–20	5,051	951	19	232	56	24
21–34	13,207	4,310	33	811	399	49
35–54	15,421	3,700	24	1,418	704	50
55–64	5,276	669	13	558	170	31
65+	5,418	284	5	775	73	9
Total	*45,230	10,102	22	**4,092	1,416	35

*Includes 676 drivers of unknown age.

**Includes 22 pedestrian fatalities of unknown age.

Notes: NHTSA estimates alcohol involvement when alcohol test results are unknown. Blood alcohol concentrations (BACs) measured in grams per deciliter (g/dL). BAC of .08 g/dL or higher indicates alcohol-impaired driving.

Exhibit 16 - Persons Killed or Injured, by Person Type and Injury Severity, 2009

Person Type	Persons Killed	Persons Injured by Injury Severity			Total Injured	Total Killed or Injured
		Incapacitating	Non-incapacitating	Other		
Vehicle Occupants						
Driver	17,640	121,000	381,000	893,000	1,395,000	1,413,000
Passenger	6,770	49,000	158,000	410,000	616,000	623,000
Unknown Occupant	64	*	*	*	*	*
<i>Subtotal</i>	24,474	170,000	539,000	1,303,000	2,011,000	2,036,000
Motorcyclists	4,462	27,000	44,000	19,000	90,000	94,000
Nonoccupants						
Pedestrian	4,092	14,000	25,000	20,000	59,000	63,000
Pedalcyclist	630	6,000	23,000	22,000	51,000	51,000
Other/Unknown	150	*	2,000	5,000	7,000	7,000
<i>Subtotal</i>	4,872	20,000	49,000	47,000	116,000	121,000
Total	33,808	217,000	632,000	1,369,000	2,217,000	2,251,000

*Less than 500.

Exhibit 17 - Related Factors for Drivers and Motorcycle Riders Involved in Fatal Crashes, 2009

Factors	Number	Percent
Driving too fast for conditions or in excess of posted speed limit	9,654	21.3
Failure to keep in proper lane	7,696	17.0
Under the influence of alcohol, drugs or medication	6,957	15.4
Inattentive (talking, eating, etc.)	4,196	9.3
Failure to yield right of way	3,067	6.8
Overcorrecting/oversteering	2,062	4.6
Failure to obey traffic signs, signals, or officer	1,922	4.2
Swerving or avoiding due to wind, slippery surface, vehicle, object, nonmotorist in roadway, etc.	1,801	4.0
Driving wrong way on one-way trafficway or on wrong side of road	1,382	3.1
Operating vehicle in erratic, reckless, careless, or negligent manner	1,347	3.0
Vision obscured (rain, snow, glare, lights, building, trees, etc.)	1,205	2.7
Drowsy, asleep, fatigued, ill, or blackout	1,202	2.7
Making improper turn	1,168	2.6
Other factors	7,602	16.8
None reported	15,795	34.9
Unknown	1,009	2.2
Total Drivers	45,230	100.0

Note: The sum of the numbers and percentages is greater than total drivers as more than one factor may be present for the same driver.

Exhibit 18 - Vehicle Occupants Killed or Injured, by Age and Vehicle Type, 2009

Age (Years)	Vehicle Type							Total
	Passenger Cars	Light Trucks	Large Trucks	Buses	Other/Unknown	Subtotal	Motorcycles	
Occupants Killed								
<5	175	147	0	0	6	328	0	328
5-9	111	156	2	0	7	276	6	282
10-15	221	241	2	3	51	518	20	538
16-20	2,194	1,155	6	2	72	3,429	224	3,653
21-24	1,507	971	19	2	40	2,539	444	2,983
25-34	2,329	1,698	64	4	98	4,193	872	5,065
35-44	1,393	1,551	115	2	86	3,147	950	4,097
45-54	1,511	1,627	145	3	85	3,371	1,056	4,427
55-64	1,113	1,184	103	6	45	2,451	663	3,114
65-74	901	776	40	4	34	1,755	189	1,944
>74	1,628	756	7	0	32	2,423	34	2,457
Unknown	12	25	0	0	7	44	4	48
Total	13,095	10,287	503	26	563	24,474	4,462	28,936
Occupants Injured								
<5	25,000	19,000	*	*	*	44,000	*	45,000
5-9	26,000	25,000	*	*	1,000	52,000	*	52,000
10-15	37,000	35,000	*	5,000	2,000	79,000	2,000	80,000
16-20	202,000	90,000	*	1,000	1,000	293,000	6,000	299,000
21-24	155,000	66,000	1,000	*	1,000	223,000	11,000	234,000
25-34	226,000	143,000	3,000	1,000	1,000	373,000	20,000	393,000
35-44	153,000	130,000	4,000	2,000	1,000	290,000	15,000	305,000
45-54	161,000	121,000	5,000	2,000	1,000	289,000	23,000	312,000
55-64	114,000	74,000	2,000	1,000	*	191,000	10,000	201,000
65-74	63,000	39,000	1,000	1,000	*	104,000	3,000	107,000
>74	54,000	18,000	*	*	*	73,000	*	73,000
Total	1,216,000	759,000	17,000	12,000	7,000	2,011,000	90,000	2,101,000

*Less than 500.

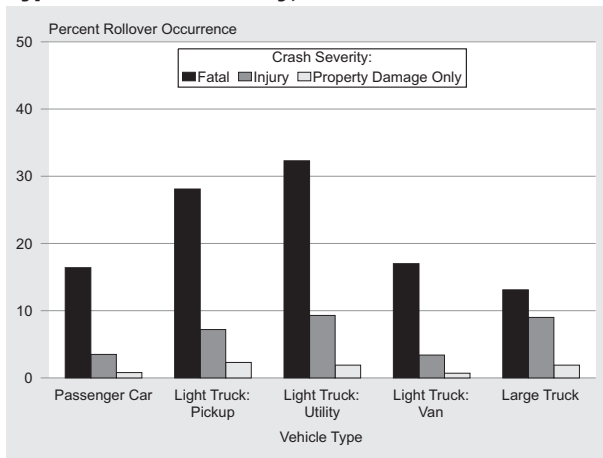
Exhibit 19 - Percent Rollover Occurrence by Vehicle Type and Crash Severity, 2009

Exhibit 20 - Vehicle Occupants Killed or Injured, by Vehicle Type and Ejection, 2009

Vehicle Type	Ejected*		Not Ejected		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Occupants Killed								
Passenger Car	2,503	19.1	10,551	80.6	41	0.3	13,095	100.0
Light Truck	3,793	36.9	6,456	62.8	38	0.4	10,287	100.0
Large Truck	135	26.8	362	72.0	6	1.2	503	100.0
Bus	18	69.2	8	30.8	0	0.0	26	100.0
Other/Unknown	243	43.2	315	56.0	5	0.9	563	100.0
Total**	6,692	27.3	17,692	72.3	90	0.4	24,474	100.0
Occupants Injured								
Passenger Car	3,000	0.3	1,213,000	99.7	****	****	1,216,000	100.0
Light Truck	6,000	0.8	753,000	99.2	****	****	759,000	100.0
Large Truck	***	0.4	16,000	99.6	****	****	17,000	100.0
Bus	***	***	12,000	100.0	****	****	12,000	100.0
Other/Unknown	3,000	43.4	4,000	56.6	****	****	7,000	100.0
Total**	12,000	0.6	1,999,000	99.4	****	****	2,011,000	100.0

*Includes total and partial ejection.

**Excludes motorcyclists.

***Less than 500.

****Not applicable.

Exhibit 21 - Occupants Killed or Injured in Two-Vehicle Crashes, by Vehicle Types Involved, 2009

Vehicle Types Involved				Total Occupants Killed
Vehicle Type	Occupants Killed	Vehicle Type	Occupants Killed	
Passenger Car	—	Passenger Car	—	1,675
Passenger Car	2,929	Light Truck	788	3,717
Passenger Car	1,022	Large Truck	18	1,040
Passenger Car	10	Motorcycle	910	920
Passenger Car	74	Bus	0	74
Passenger Car	57	Other/Unknown	46	103
Light Truck	—	Light Truck	—	1,494
Light Truck	866	Large Truck	33	899
Light Truck	5	Motorcycle	966	971
Light Truck	48	Bus	0	48
Light Truck	55	Other/Unknown	60	115
Large Truck	—	Large Truck	—	72
Large Truck	0	Motorcycle	132	132
Large Truck	0	Bus	2	2
Large Truck	0	Other/Unknown	22	22
Motorcycle	—	Motorcycle	—	80
Motorcycle	9	Bus	7	16
Motorcycle	45	Other/Unknown	3	48
Bus	0	Other/Unknown	0	0
Other/Unknown	—	Other/Unknown	—	30

Total Occupants Killed 11,458

Vehicle Types Involved				Total Occupants Injured
Vehicle Type	Occupants Injured	Vehicle Type	Occupants Injured	
Passenger Car	—	Passenger Car	—	429,000
Passenger Car	351,000	Light Truck	247,000	598,000
Passenger Car	26,000	Large Truck	4,000	30,000
Passenger Car	4,000	Motorcycle	20,000	24,000
Passenger Car	3,000	Bus	4,000	7,000
Passenger Car	1,000	Other/Unknown	1,000	2,000
Light Truck	—	Light Truck	—	209,000
Light Truck	15,000	Large Truck	2,000	17,000
Light Truck	2,000	Motorcycle	17,000	19,000
Light Truck	2,000	Bus	3,000	5,000
Light Truck	1,000	Other/Unknown	1,000	1,000
Large Truck	—	Large Truck	—	1,000

Total Occupants Injured 1,343,000

Exhibit 22 - Passenger Car and Light Truck Occupants Killed or Injured, by Age and Restraint Use, 2009

Age (Years)	Restraint Use						Total	
	Used		Not Used		Unknown			
	No.	%	No.	%	No.	%	No.	%
Occupants Killed								
<5	206	64.0	92	28.6	24	7.5	322	100.0
5-9	127	47.6	123	46.1	17	6.4	267	100.0
10-15	162	35.1	260	56.3	40	8.7	462	100.0
16-20	1,201	35.9	1,880	56.1	268	8.0	3,349	100.0
21-24	821	33.1	1,447	58.4	210	8.5	2,478	100.0
25-34	1,320	32.8	2,382	59.2	325	8.1	4,027	100.0
35-44	1,132	38.5	1,595	54.2	217	7.4	2,944	100.0
45-54	1,365	43.5	1,559	49.7	214	6.8	3,138	100.0
55-64	1,159	50.5	968	42.1	170	7.4	2,297	100.0
65-74	1,019	60.8	568	33.9	90	5.4	1,677	100.0
>74	1,615	67.7	620	26.0	149	6.3	2,384	100.0
Unknown	13	35.1	18	48.6	6	16.2	37	100.0
Total	10,140	43.4	11,512	49.2	1,730	7.4	23,382	100.0
Occupants Injured								
<5	39,000	89.9	2,000	5.2	2,000	4.9	44,000	100.0
5-9	44,000	85.9	4,000	8.4	3,000	5.7	51,000	100.0
10-15	59,000	80.9	9,000	12.5	5,000	6.5	72,000	100.0
16-20	244,000	83.5	29,000	9.9	19,000	6.7	292,000	100.0
21-24	179,000	80.7	18,000	8.2	24,000	11.1	221,000	100.0
25-34	317,000	85.9	24,000	6.5	28,000	7.5	369,000	100.0
35-44	247,000	87.4	14,000	5.1	21,000	7.5	283,000	100.0
45-54	255,000	90.4	11,000	4.0	16,000	5.6	282,000	100.0
55-64	172,000	91.6	7,000	3.5	9,000	4.9	188,000	100.0
65-74	94,000	92.1	3,000	3.1	5,000	4.8	102,000	100.0
>74	67,000	92.8	3,000	3.7	3,000	3.5	72,000	100.0
Total	1,716,000	86.8	125,000	6.3	135,000	6.8	1,976,000	100.0

Note: Restraint use is determined by police and may be overreported for survivors.

Exhibit 23 - Persons Killed or Injured in Crashes Involving Large Trucks, 2009

Killed	Number	Percentage of Total
Occupants of Large Trucks	503	15
<i>Single-Vehicle Crashes</i>	337	10
<i>Multiple-Vehicle Crashes</i>	166	5
Occupants of Other Vehicles in Crashes Involving Large Trucks	2,551	75
Nonoccupants (Pedestrians, Pedalcyclists, etc.)	326	10
Total	3,380	100
Injured	Number	Percentage of Total
Occupants of Large Trucks	17,000	22
<i>Single-Vehicle Crashes</i>	7,000	10
<i>Multiple-Vehicle Crashes</i>	9,000	13
Occupants of Other Vehicles in Crashes Involving Large Trucks	56,000	76
Nonoccupants (Pedestrians, Pedalcyclists, etc.)	1,000	2
Total	74,000	100

Exhibit 24 - Principal Impact Points in Two-Vehicle Fatal Crashes Involving Large Trucks, 2009

Impact Point on Large Truck	Impact Point on Other Vehicle				
	Front	Left Side	Right Side	Rear	Total
Front	30%	16%	12%	4%	62%
Left Side	9%	1%	1%	0%	11%
Right Side	5%	1%	0%	0%	7%
Rear	18%	1%	1%	0%	20%
Total	63%	19%	13%	5%	100%

Note: Totals may not equal sum of components due to independent rounding.

Exhibit 25 - Speeding Drivers in Fatal Crashes by Age and Sex, 2009

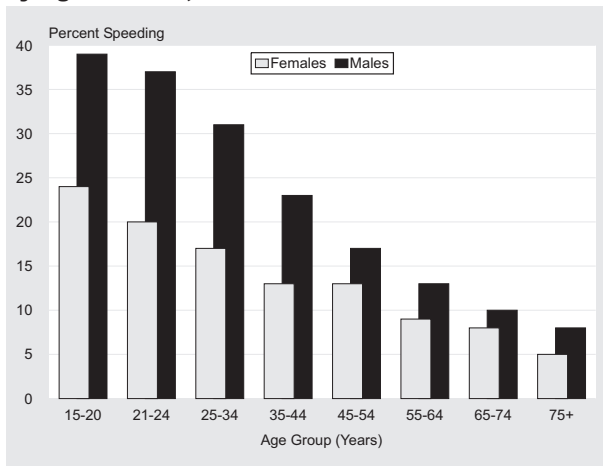


Exhibit 26 - **Lives Saved, 1975-2009**

Year	Lives Saved					Additional Lives That Would Have Been Saved at 100% Use	
	Passenger Vehicle Restraints			Motor-cycle Helmets	21-Year-Old Drinking Age*	Safety Belts	Motor-cycle Helmets
	Child Restraints	Safety Belts	Frontal Air Bags				
1975	36	978	0	823	412	13,301	1,164
1976	20	796	0	788	436	13,851	1,189
1977	35	682	0	970	474	14,460	1,472
1978	25	679	0	900	509	15,541	1,588
1979	49	594	0	885	575	15,726	1,676
1980	49	575	0	871	595	15,730	1,744
1981	69	548	0	843	633	15,222	1,667
1982	75	678	0	816	578	13,250	1,528
1983	105	809	0	735	609	12,913	1,450
1984	126	1,197	0	813	709	13,227	759
1985	153	2,435	0	788	701	12,508	764
1986	166	4,094	0	807	840	12,728	751
1987	213	5,141	2	667	1,071	12,678	697
1988	248	5,959	5	622	1,148	12,674	644
1989	238	6,333	8	561	1,093	12,256	553
1990	222	6,592	37	655	1,033	11,761	541
1991	253	6,838	71	595	941	10,812	467
1992	292	7,020	108	641	795	10,195	323
1993	313	7,773	190	671	816	10,212	336
1994	420	9,219	309	625	848	9,507	339
1995	408	9,882	536	624	851	9,781	326
1996	480	10,710	783	617	846	9,459	324
1997	444	11,259	973	627	846	9,096	315
1998	438	11,680	1,208	660	861	8,690	369
1999	447	11,941	1,491	745	901	8,809	396
2000	479	12,882	1,716	872	922	8,245	478
2001	388	13,295	1,978	947	927	8,016	558
2002	383	14,264	2,324	992	922	6,837	576
2003	447	15,095	2,519	1,173	918	6,151	651
2004	455	15,548	2,660	1,324	927	5,874	673
2005	424	15,688	2,752	1,554	882	5,667	731
2006	427	15,458	2,824	1,667	888	5,468	756
2007	388	15,223	2,800	1,788	831	5,048	805
2008	286	13,312	2,557	1,836	716	4,171	827
2009	309	12,713	2,381	1,483	623	3,688	732
Total	9,310	267,890	30,232	31,985	27,677	363,552	28,169

*Estimated reductions in deaths that resulted from the presence of laws establishing a minimum legal age of 21 years for the consumption of alcoholic beverages.



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