U.S. Department of Transportation

LARGE TRUCK AND BUS CRASH FACTS 2009

Federal Motor Carrier Safety Administration
Analysis Division

October 2011

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Introduction

This annual edition of *Large Truck and Bus Crash Facts* contains descriptive statistics about fatal, injury, and property damage only crashes involving large trucks and buses in 2009. Selected crash statistics on passenger vehicles are also presented for comparison purposes.

Data Sources

The information in this report was compiled by the Analysis Division of the Federal Motor Carrier Safety Administration (FMCSA). The major sources for the data are described below:

- **Fatality Analysis Reporting System (FARS).** FARS, maintained by the National Highway Traffic Safety Administration (NHTSA), is a census of fatal crashes involving motor vehicles traveling on public trafficways. FARS is recognized as the most reliable national crash database, but it contains information only on fatal crashes. A large truck is defined in FARS as a truck with a gross vehicle weight rating (GVWR) of more than 10,000 pounds.
- **General Estimates System (GES).** GES, also maintained by NHTSA, is a probability-based nationally representative sample of all police-reported fatal, injury, and property damage only crashes. The data from GES yield national estimates, calculated using a weighting procedure, but cannot give State-level estimates. Also, GES is a sample of motor vehicle crashes, and the results generated are estimates. For this reason, all GES data shown in this report are rounded to the nearest thousand. However, percentages and rates are calculated using the unrounded GES numbers. The GES definition of a large truck is the same as the FARS definition.
- **Motor Carrier Management Information System (MCMIS) Crash File.** The MCMIS Crash File, maintained by FMCSA, contains data on trucks and buses in crashes that meet the SAFETYNET recommended threshold. A SAFETYNET reportable crash must involve a truck, used for commercial purposes, with a GVWR or gross combination weight rating greater than 10,000 pounds; or a commercial bus designed to transport more than eight people, including the driver. The crash must result in at least one fatality, at least one injury involving immediate medical attention away from the crash scene, or at least one vehicle disabled as a result of the crash and transported away from the crash scene. The crashes are reported by the States to FMCSA through the SAFETYNET computer software. The MCMIS Crash File is intended to be a census of trucks and buses involved in fatal, injury, and towaway crashes; however, some States do not report all FMCSA-eligible crashes, and some report more than those that are eligible. FMCSA continues to work with the States to improve data quality and reporting of eligible large truck and bus crashes to the MCMIS crash file.

FARS, GES, and MCMIS describe the events and details of motor vehicle crashes, but they do not include data on crash causation or fault.

- **Highway Statistics.** *Highway Statistics* is an annual publication of the Office of Highway Policy Information of the Federal Highway Administration (FHWA). State agencies report the data, ranging from driver licensing to highway finance, and FHWA aggregates them to get national totals. This report takes vehicle miles traveled and vehicle registrations from Table VM-1 of *Highway Statistics*, "Annual Vehicle Distance Traveled in Miles and Related Data."

Data Revisions

Note: The Federal Highway Administration implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates. For more information, see http://www.fhwa.dot.gov/policyinformation/statistics/2009/vm1.cfm and http://www.fhwa.dot.gov/pressroom/fhwa1155.htm.

Organization of the Report

This year's report is organized into four chapters: Trends, Crashes, Vehicles, and People. The Trends chapter shows data for 2009 in the context of available historical data for past years. In the other chapters, the 2009 data are shown in different ways, according to what is being counted. The Crashes chapter counts numbers of crashes; the Vehicles chapter counts vehicles in crashes; and the People chapter counts persons of all types involved in crashes. Four different types of counts are shown:

- **Crashes:** Numbers of crashes involving various vehicle types.
- **Vehicles in Crashes:** Numbers of vehicles involved in crashes. These counts may be larger than the number of crashes (fatal, injury, or property damage only), because more than one vehicle may be involved in a single crash.
- **People in Crashes:** Numbers of people killed or injured in crashes. These counts generally are larger than the number of crashes (fatal or injury), because more than one person may be killed or injured in a single crash. People killed or injured may be occupants of a truck, occupants of another vehicle, or nonmotorists (pedestrians or pedalcyclists).
- **Drivers in Crashes:** Numbers of vehicle drivers involved in crashes. These counts generally are equal to the numbers of vehicles involved in crashes.

Trends

The tables in this chapter present crash statistics for large trucks and buses over time. Fatal crash statistics generally are available from 1975, the first year of FARS data, through 2009. In some cases, such as for roadway function class or alcohol involvement, data are available only from 1981 or 1982 through 2009. Nonfatal crash statistics are available from 1989 through 2009. The statistics shown in this chapter represent crashes, vehicles, drivers, fatalities, and injuries in crashes. Below is a summary of some of the trend information in this section:

- In 2009, 3,215 large trucks were involved in fatal crashes, a 21-percent decrease from 2008 and the largest annual decline since records have been kept. Combined with the 12-percent decline from 2007 to 2008 (the second-largest decline), the number of large trucks involved in fatal crashes declined by 31 percent from 2007 to 2009. The number of passenger vehicles involved in fatal crashes declined by 19 percent over the same period.
- Over the past 10 years (1999 to 2009) the number of large trucks involved in:
  - Fatal crashes decreased from 4,920 to 3,215, a drop of 35 percent
  - Injury crashes decreased from 101,000 to 53,000, a drop of 48 percent
  - Property damage only crashes decreased from 369,000 to 239,000, a drop of 35 percent.
- Over the past 2 years (2007 to 2009) the number of large trucks involved in:
  - Fatal crashes declined by 31 percent, from 4,633 to 3,215, and the vehicle involvement rate (vehicles involved in fatal crashes per 100 million miles traveled by large trucks) for large trucks in fatal crashes declined by 27 percent
  - Injury crashes decreased by 30 percent, from 76,000 to 53,000, and the vehicle involvement rate for large trucks in injury crashes declined by 26 percent
  - Property damage only crashes decreased by 28 percent, from 333,000 to 239,000, and the vehicle involvement rate for large trucks in property damage only crashes declined by 24 percent.
- From 1999 to 2009, the number of buses involved in fatal crashes declined from 319 to 221, a drop of 31 percent. From 2007 to 2009, the number of buses involved in fatal crashes declined from 281 to 221, a drop of 21 percent, and the vehicle involvement rate for buses in fatal crashes declined by 20 percent.
- From 1999 to 2009, on average, intercity buses accounted for 12 percent of all buses involved in fatal crashes, and school buses and transit buses accounted for 40 percent and 35 percent, respectively, of all buses involved in fatal crashes.
- Alcohol was detected in the blood of 2.9 percent of large truck drivers in fatal crashes in 2009, compared with 27.1 percent of passenger vehicle drivers. For 1.7 percent of large truck drivers in fatal crashes in 2009, blood alcohol concentration was 0.08 grams per deciliter or more, compared with 23.2 percent of passenger vehicle drivers.
- Large truck and bus fatalities per 100 million vehicle miles traveled by all motor vehicles declined by 20 percent, from 0.153 in 2008 to 0.123 in 2009.

Data Revisions

Note: The Federal Highway Administration implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates. For more information, see http://www.fhwa.dot.gov/policyinformation/statistics/2009/vm1.cfm and http://www.fhwa.dot.gov/pressroom/fhwa1155.htm.

Table 1. Large Truck and Bus Fatal Crash Statistics, 1975-2009

Year	Fatal Crashes	Vehicles Involved	Occupant Fatalities	Total Fatalities	Million Vehicle Miles Traveled by All Motor Vehicles	Fatal Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Fatal Crashes per 100 Million Vehicle Miles Traveled	Fatalities per 100 Million Vehicle Miles Traveled	Large Trucks and Buses Registered
1975	4,032	4,304	1,014	4,816	1,327,664	0.304	0.324	0.363	5,824,525
1976	4,489	4,754	1,205	5,379	1,402,380	0.320	0.339	0.384	6,053,524
1977	5,149	5,485	1,329	6,054	1,467,027	0.351	0.374	0.413	6,180,664
1978	5,758	6,131	1,436	6,740	1,544,704	0.373	0.397	0.436	6,365,161
1979	6,007	6,431	1,471	7,054	1,529,133	0.393	0.421	0.461	6,418,336
1980	5,353	5,709	1,308	6,333	1,527,295	0.350	0.374	0.415	6,319,442
1981	5,253	5,572	1,189	6,178	1,555,308	0.338	0.358	0.397	6,260,262
1982	4,668	4,935	979	5,525	1,595,010	0.293	0.309	0.346	6,149,615
1983	4,903	5,184	1,035	5,815	1,652,788	0.297	0.314	0.352	6,091,276
1984	5,136	5,444	1,120	5,983	1,720,269	0.299	0.316	0.348	5,984,746
1985	5,153	5,490	1,034	6,089	1,774,826	0.290	0.309	0.343	6,589,822
1986	5,055	5,383	965	5,895	1,834,872	0.275	0.293	0.321	6,314,733
1987	5,146	5,461	903	5,978	1,921,204	0.268	0.284	0.311	6,320,321
1988	5,156	5,528	965	6,004	2,025,962	0.254	0.273	0.296	6,752,553
1989	4,971	5,295	908	5,819	2,096,487	0.237	0.253	0.278	6,851,522
1990	4,790	5,065	737	5,590	2,144,362	0.223	0.236	0.261	6,822,863
1991	4,355	4,621	692	5,107	2,172,050	0.201	0.213	0.235	6,803,425
1992	4,098	4,320	613	4,767	2,247,151	0.182	0.192	0.212	6,689,937
1993	4,351	4,591	623	5,124	2,296,378	0.189	0.200	0.223	6,742,587
1994	4,617	4,902	688	5,412	2,357,588	0.196	0.208	0.230	7,258,308
1995	4,456	4,743	681	5,214	2,422,696	0.184	0.196	0.215	7,404,924
1996	4,723	5,081	642	5,489	2,485,848	0.190	0.204	0.221	7,707,396
1997	4,888	5,214	741	5,709	2,561,695	0.191	0.204	0.223	7,780,874
1998	4,857	5,244	780	5,712	2,631,522	0.185	0.199	0.217	8,447,810
1999	4,854	5,239	818	5,727	2,691,056	0.180	0.195	0.213	8,520,203
2000	4,881	5,320	776	5,620	2,746,925	0.178	0.194	0.205	8,768,774
2001	4,723	5,115	742	5,417	2,795,610	0.169	0.183	0.194	8,607,223
2002	4,486	4,861	734	5,241	2,855,508	0.157	0.170	0.184	8,687,997
2003	4,609	5,012	767	5,343	2,890,221	0.159	0.173	0.185	8,533,438
2004	4,734	5,181	808	5,519	2,964,788	0.160	0.175	0.186	8,966,638
2005	4,805	5,231	862	5,539	2,989,430	0.161	0.175	0.185	9,289,052
2006	4,643	5,071	832	5,347	3,014,371	0.154	0.168	0.177	9,640,966
2007	4,472	4,914	841	5,116	3,031,124	0.148	0.162	0.169	11,586,455
2008	3,994	4,340	749	4,545	2,976,528	0.134	0.146	0.153	11,716,583
2009	3,197	3,436	529	3,619	2,953,501	0.108	0.116	0.123	11,815,207

Notes: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds. A bus is defined as a motor vehicle (including school buses, intercity buses, and transit buses) designed to carry more than 10 passengers, not including the driver. Rates are calculated on the basis of vehicle miles traveled by all motor vehicles (large trucks, buses, passenger vehicles, and motorcycles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 2. Large Truck and Bus Injury Crash Statistics, 1989-2009

Year	Injury Crashes	Vehicles Involved	Persons Injured	Million Vehicle Miles Traveled by All Motor Vehicles	Injury Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Injury Crashes per 100 Million Vehicle Miles Traveled	Persons Injured per 100 Million Vehicle Miles Traveled	Large Trucks and Buses Registered
1989	94,000	122,000	181,000	2,096,487	4.49	5.93	8.62	6,851,521
1990	87,000	122,000	191,000	2,144,362	4.03	5.68	8.90	6,822,863
1991	67,000	93,000	143,000	2,172,050	3.10	4.29	6.56	6,803,425
1992	104,000	109,000	169,000	2,247,151	4.64	4.86	7.50	6,689,937
1993	106,000	111,000	160,000	2,296,378	4.62	4.82	6.99	6,742,587
1994	104,000	110,000	160,000	2,357,588	4.41	4.64	6.81	7,258,307
1995	94,000	98,000	148,000	2,422,696	3.87	4.05	6.10	7,404,923
1996	104,000	109,000	163,000	2,485,848	4.17	4.39	6.54	7,707,396
1997	104,000	108,000	157,000	2,561,695	4.06	4.22	6.12	7,780,874
1998	98,000	101,000	156,000	2,631,522	3.71	3.85	5.91	8,447,810
1999	109,000	115,000	176,000	2,691,056	4.04	4.28	6.53	8,520,203
2000	108,000	114,000	166,000	2,746,925	3.94	4.14	6.04	8,768,774
2001	96,000	101,000	153,000	2,795,610	3.45	3.63	5.49	8,607,223
2002	102,000	107,000	158,000	2,855,508	3.56	3.74	5.52	8,687,997
2003	97,000	103,000	150,000	2,890,221	3.37	3.55	5.21	8,533,438
2004	95,000	100,000	145,000	2,964,788	3.22	3.36	4.88	8,966,638
2005	89,000	95,000	136,000	2,989,430	2.98	3.17	4.56	9,289,052
2006	87,000	91,000	126,000	3,014,371	2.88	3.02	4.17	9,640,966
2007	82,000	86,000	124,000	3,031,124	2.72	2.85	4.09	11,586,455
2008	74,000	77,000	113,000	2,976,528	2.50	2.59	3.81	11,716,583
2009	60,000	63,000	93,000	2,953,501	2.04	2.15	3.15	11,815,207

Notes: "Persons Injured" includes all nonfatally injured persons in injury and fatal crashes. A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds. A bus is defined as a motor vehicle (including school buses, intercity buses, and transit buses) designed to carry more than 10 passengers, not including the driver. Rates are calculated on the basis of vehicle miles traveled by all motor vehicles (large trucks, buses, passenger vehicles, and motorcycles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 3. Large Truck and Bus Property Damage Only (PDO) Crash Statistics, 1989-2009

Year	PDO Crashes	Vehicles Involved	Million Vehicle Miles Traveled by All Motor Vehicles	PDO Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in PDO Crashes per 100 Million Vehicle Miles Traveled	Large Trucks and Buses Registered
1989	264,000	349,000	2,096,487	12.6	16.6	6,851,521
1990	239,000	320,000	2,144,362	11.1	14.9	6,822,863
1991	218,000	290,000	2,172,050	10.0	13.3	6,803,425
1992	303,000	312,000	2,247,151	13.5	13.9	6,689,937
1993	321,000	333,000	2,296,378	14.0	14.5	6,742,587
1994	390,000	402,000	2,357,588	16.6	17.1	7,258,307
1995	322,000	334,000	2,422,696	13.3	13.8	7,404,923
1996	325,000	337,000	2,485,848	13.1	13.6	7,707,396
1997	363,000	378,000	2,561,695	14.2	14.7	7,780,874
1998	341,000	359,000	2,631,522	13.0	13.6	8,447,810
1999	396,000	417,000	2,691,056	14.7	15.5	8,520,203
2000	378,000	394,000	2,746,925	13.8	14.3	8,768,774
2001	360,000	377,000	2,795,610	12.9	13.5	8,607,223
2002	366,000	381,000	2,855,508	12.8	13.3	8,687,997
2003	389,000	407,000	2,890,221	13.5	14.1	8,533,438
2004	349,000	364,000	2,964,788	11.8	12.3	8,966,638
2005	377,000	393,000	2,989,430	12.6	13.1	9,289,052
2006	324,000	340,000	3,014,371	10.7	11.3	9,640,966
2007	360,000	379,000	3,031,124	11.9	12.5	11,586,455
2008	342,000	358,000	2,976,528	11.5	12.0	11,716,583
2009	278,000	287,000	2,953,501	9.4	9.7	11,815,207

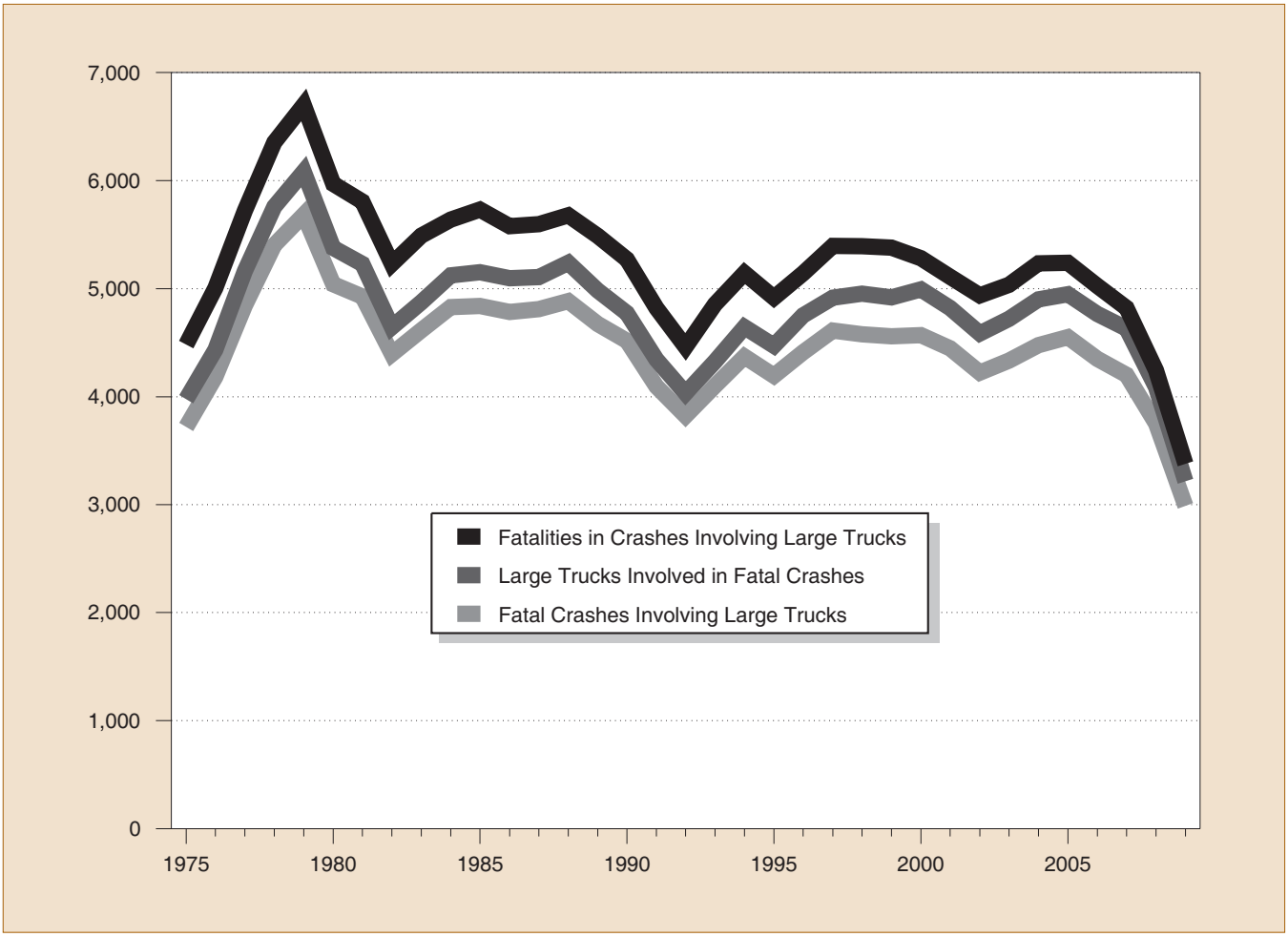
Notes: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds. A bus is defined as a motor vehicle (including school buses, intercity buses, and transit buses) designed to carry more than 10 passengers, not including the driver. Rates are calculated on the basis of vehicle miles traveled by all motor vehicles (large trucks, buses, passenger vehicles, and motorcycles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 4. Large Truck Fatal Crash Statistics, 1975-2009

Year	Fatal Crashes	Vehicles Involved	Occupant Fatalities	Total Fatalities	Million Vehicle Miles Traveled	Fatal Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Fatal Crashes per 100 Million Vehicle Miles Traveled	Fatalities per 100 Million Vehicle Miles Traveled	Large Trucks Registered
1975	3,722	3,977	961	4,483	81,330	4.58	4.89	5.51	5,362,369
1976	4,184	4,435	1,132	5,008	86,070	4.86	5.15	5.82	5,575,185
1977	4,843	5,164	1,287	5,723	95,021	5.10	5.43	6.02	5,689,903
1978	5,405	5,759	1,395	6,356	105,739	5.11	5.45	6.01	5,859,807
1979	5,684	6,084	1,432	6,702	109,004	5.21	5.58	6.15	5,891,571
1980	5,042	5,379	1,262	5,971	108,491	4.65	4.96	5.50	5,790,653
1981	4,928	5,230	1,133	5,806	108,702	4.53	4.81	5.34	5,716,278
1982	4,396	4,646	944	5,229	111,423	3.95	4.17	4.69	5,590,415
1983	4,615	4,877	982	5,491	116,132	3.97	4.20	4.73	5,508,392
1984	4,831	5,124	1,074	5,640	121,796	3.97	4.21	4.63	5,401,075
1985	4,841	5,153	977	5,734	123,504	3.92	4.17	4.64	5,996,337
1986	4,785	5,097	926	5,579	126,675	3.78	4.02	4.40	5,720,880
1987	4,813	5,108	852	5,598	133,517	3.60	3.83	4.19	5,718,266
1988	4,885	5,241	911	5,679	137,985	3.54	3.80	4.12	6,136,884
1989	4,674	4,984	858	5,490	142,749	3.27	3.49	3.85	6,226,482
1990	4,518	4,776	705	5,272	146,242	3.09	3.27	3.60	6,195,876
1991	4,097	4,347	661	4,821	149,543	2.74	2.91	3.22	6,172,146
1992	3,825	4,035	585	4,462	153,384	2.49	2.63	2.91	6,045,205
1993	4,101	4,328	605	4,856	159,888	2.56	2.71	3.04	6,088,155
1994	4,373	4,644	670	5,144	170,216	2.57	2.73	3.02	6,587,885
1995	4,194	4,472	648	4,918	178,156	2.35	2.51	2.76	6,719,421
1996	4,413	4,755	621	5,142	182,971	2.41	2.60	2.81	7,012,615
1997	4,614	4,917	723	5,398	191,477	2.41	2.57	2.82	7,083,326
1998	4,579	4,955	742	5,395	196,380	2.33	2.52	2.75	7,732,270
1999	4,560	4,920	759	5,380	202,688	2.25	2.43	2.65	7,791,426
2000	4,573	4,995	754	5,282	205,520	2.23	2.43	2.57	8,022,649
2001	4,451	4,823	708	5,111	208,928	2.13	2.31	2.45	7,857,675
2002	4,224	4,587	689	4,939	214,603	1.97	2.14	2.30	7,927,280
2003	4,335	4,721	726	5,036	217,876	1.99	2.17	2.31	7,756,888
2004	4,478	4,902	766	5,235	220,811	2.03	2.22	2.37	8,171,364
2005	4,551	4,951	804	5,240	222,523	2.05	2.22	2.35	8,481,999
2006	4,350	4,766	805	5,027	222,513	1.95	2.14	2.26	8,819,007
2007	4,204	4,633	805	4,822	304,178	1.38	1.52	1.59	10,752,019
2008	3,754	4,089	682	4,245	310,680	1.21	1.32	1.37	10,873,275
2009	2,987	3,215	503	3,380	288,005	1.04	1.12	1.17	10,973,214

Notes: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds (includes medium and heavy trucks). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Figure 1. Fatal Crashes, Vehicles in Fatal Crashes, and Fatalities in Large Truck Crashes, 1975-2009



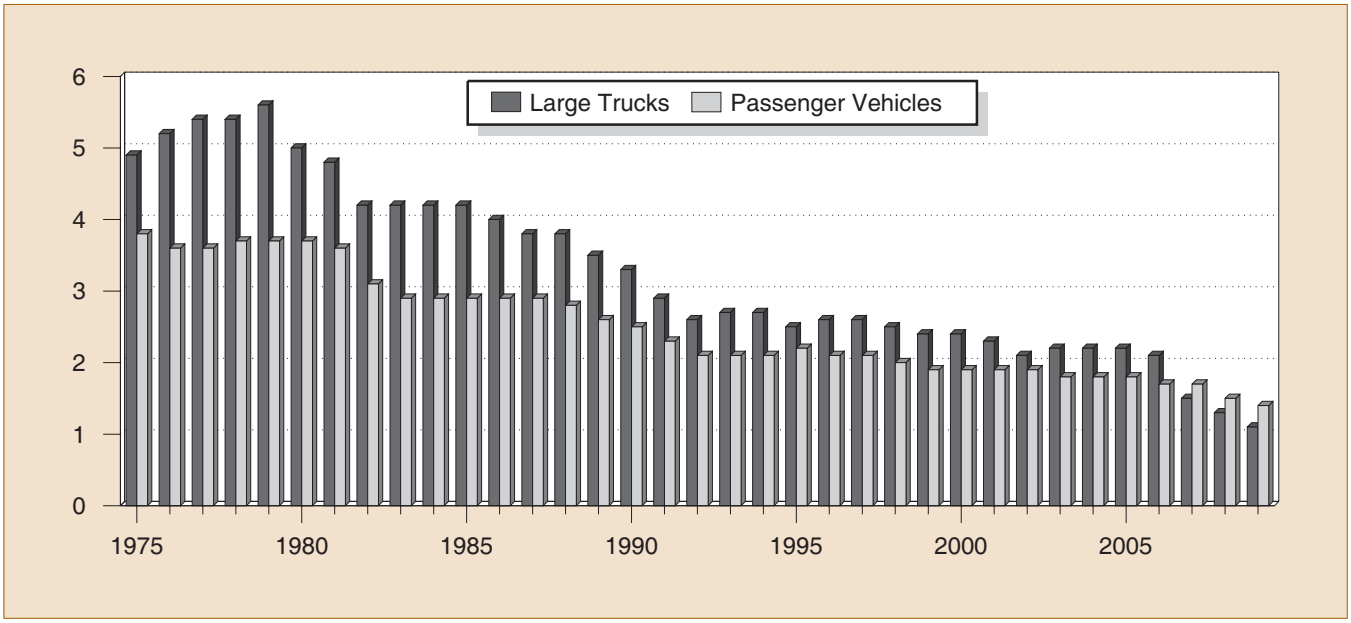
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 5. Passenger Vehicle Fatal Crash Statistics, 1975-2009

Year	Fatal Crashes	Vehicles Involved	Occupant Fatalities	Total Fatalities	Million Vehicle Miles Traveled	Fatal Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Fatal Crashes per 100 Million Vehicle Miles Traveled	Fatalities per 100 Million Vehicle Miles Traveled	Passenger Vehicles Registered
1975	35,057	46,533	30,785	40,187	1,234,650	2.84	3.77	3.25	115,364,709
1976	35,242	46,506	31,604	40,724	1,304,049	2.70	3.57	3.12	119,806,386
1977	37,197	49,438	32,758	42,599	1,359,834	2.74	3.64	3.13	123,400,366
1978	39,226	52,442	34,898	44,870	1,425,922	2.75	3.68	3.15	129,141,048
1979	39,637	52,543	34,986	45,207	1,405,545	2.82	3.74	3.22	132,476,608
1980	39,623	51,739	34,935	45,139	1,402,531	2.83	3.69	3.22	134,831,752
1981	38,544	51,195	33,726	43,586	1,429,675	2.70	3.58	3.05	137,239,007
1982	34,619	45,651	29,689	39,262	1,467,854	2.36	3.11	2.67	139,244,282
1983	33,481	44,416	29,181	37,866	1,522,697	2.20	2.92	2.49	142,153,582
1984	34,979	46,621	30,116	39,382	1,585,049	2.21	2.94	2.48	147,435,149
1985	34,567	46,741	29,901	38,976	1,637,759	2.11	2.85	2.38	154,013,265
1986	36,612	49,522	32,261	41,373	1,694,082	2.16	2.92	2.44	157,031,560
1987	37,342	51,094	33,190	42,119	1,772,852	2.11	2.88	2.38	161,543,801
1988	38,252	52,263	34,114	43,069	1,872,478	2.04	2.79	2.30	166,118,639
1989	37,102	51,110	33,614	41,782	1,937,696	1.91	2.64	2.16	169,892,626
1990	36,281	49,705	32,693	40,879	1,982,837	1.83	2.51	2.06	173,193,097
1991	33,701	46,123	30,776	38,134	2,007,579	1.68	2.30	1.90	175,389,400
1992	32,109	44,465	29,485	36,323	2,078,432	1.54	2.14	1.75	174,182,793
1993	32,969	45,565	30,077	37,222	2,120,459	1.55	2.15	1.76	177,629,233
1994	33,390	46,626	30,901	37,742	2,170,723	1.54	2.15	1.74	181,482,575
1995	34,555	48,527	31,991	39,014	2,228,323	1.55	2.18	1.75	185,762,753
1996	34,792	48,973	32,438	39,265	2,286,394	1.52	2.14	1.72	190,051,664
1997	34,595	48,687	32,448	39,187	2,353,295	1.47	2.07	1.67	191,960,390
1998	34,274	48,403	31,899	38,539	2,417,852	1.42	2.00	1.59	195,749,209
1999	34,163	47,896	32,127	38,571	2,470,122	1.38	1.94	1.56	200,012,521
2000	34,379	48,300	32,225	38,695	2,523,346	1.36	1.91	1.53	212,706,399
2001	34,496	48,417	32,043	38,725	2,569,980	1.34	1.88	1.51	221,821,103
2002	35,123	49,042	32,843	39,514	2,624,508	1.34	1.87	1.51	220,931,982
2003	34,879	48,861	32,271	39,148	2,655,987	1.31	1.84	1.47	222,856,560
2004	34,530	48,168	31,866	38,759	2,727,054	1.27	1.77	1.42	228,275,978
2005	34,837	48,133	31,549	38,933	2,749,472	1.27	1.75	1.42	231,904,922
2006	34,204	46,671	30,686	38,140	2,773,025	1.23	1.68	1.38	234,524,720
2007	32,787	44,666	29,072	36,460	2,691,034	1.22	1.66	1.35	235,678,150
2008	29,568	39,653	25,462	32,638	2,630,213	1.12	1.51	1.24	236,448,155
2009	26,945	36,252	23,382	29,855	2,630,338	1.02	1.38	1.14	234,467,679

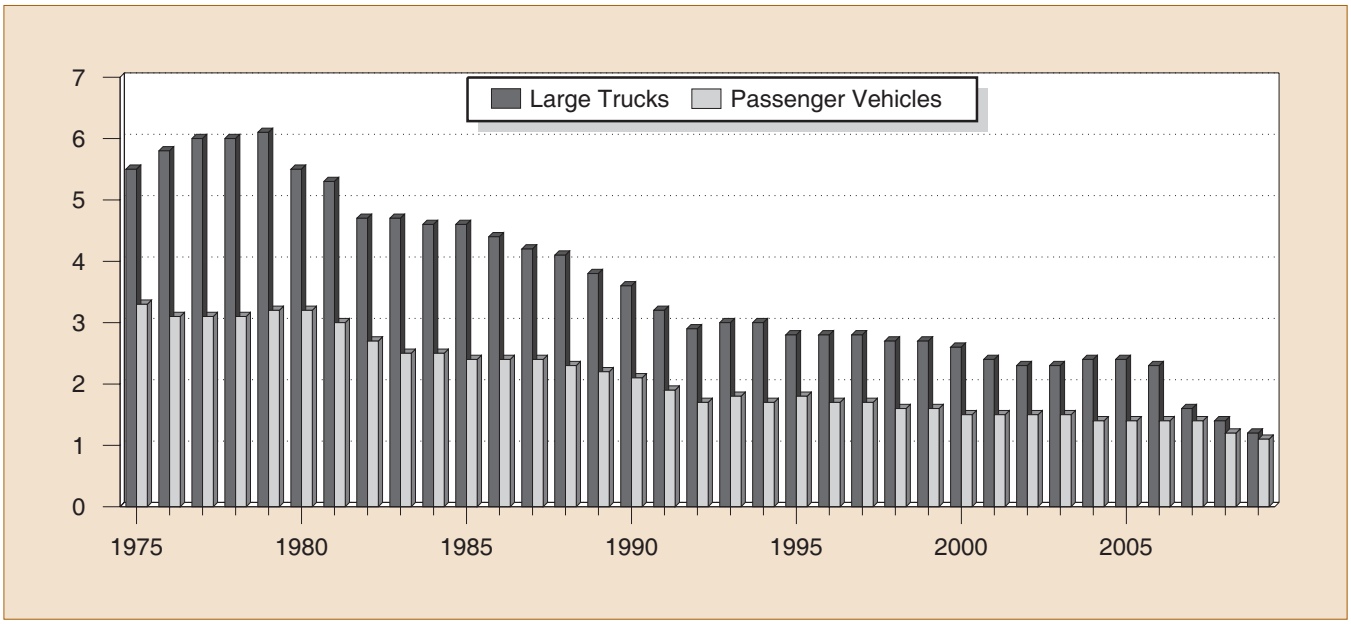
Notes: A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Figure 2. Large Trucks and Passenger Vehicles Involved in Fatal Crashes per 100 Million Vehicle Miles Traveled, 1975-2009



Notes: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel: Federal Highway Administration. Fatal Crashes and Vehicles Involved: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Figure 3. Fatalities in Crashes Involving Large Trucks and Passenger Vehicles per 100 Million Vehicle Miles Traveled, 1975-2009



Notes: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel: Federal Highway Administration. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 6. All Motor Vehicle Fatal Crash Statistics, 1975-2009

Year	Fatal Crashes	Vehicles Involved	Occupant Fatalities	Total Fatalities	Million Vehicle Miles Traveled	Fatal Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Fatal Crashes per 100 Million Vehicle Miles Traveled	Fatalities per 100 Million Vehicle Miles Traveled	Motor Vehicles Registered
1975	39,161	55,534	35,925	44,525	1,327,664	2.95	4.18	3.35	126,153,304
1976	39,747	56,084	37,102	45,523	1,402,380	2.83	4.00	3.25	130,793,242
1977	42,211	60,516	39,150	47,878	1,467,027	2.88	4.13	3.26	134,514,286
1978	44,433	64,144	41,533	50,331	1,544,704	2.88	4.15	3.26	140,374,064
1979	45,223	64,762	41,930	51,093	1,529,133	2.96	4.24	3.34	144,317,076
1980	45,284	63,485	41,927	51,091	1,527,295	2.96	4.16	3.35	146,845,134
1981	44,000	62,699	40,424	49,301	1,555,308	2.83	4.03	3.17	149,330,311
1982	39,092	56,455	35,646	43,945	1,595,010	2.45	3.54	2.76	151,147,755
1983	37,976	55,106	34,843	42,589	1,652,788	2.30	3.33	2.58	153,829,970
1984	39,631	57,972	36,284	44,257	1,720,269	2.30	3.37	2.57	158,899,717
1985	39,196	58,271	36,043	43,825	1,774,826	2.21	3.28	2.47	166,047,491
1986	41,090	60,792	38,234	46,087	1,834,872	2.24	3.31	2.51	168,545,286
1987	41,438	61,836	38,565	46,390	1,921,204	2.16	3.22	2.41	172,749,894
1988	42,130	62,703	39,170	47,087	2,025,962	2.08	3.09	2.32	177,455,476
1989	40,741	60,870	38,087	45,582	2,096,487	1.94	2.90	2.17	181,164,568
1990	39,836	59,292	37,134	44,599	2,144,362	1.86	2.77	2.08	184,275,422
1991	36,937	54,765	34,740	41,508	2,172,050	1.70	2.52	1.91	186,370,190
1992	34,942	52,227	32,880	39,250	2,247,151	1.55	2.32	1.75	184,937,848
1993	35,780	53,777	33,574	40,150	2,296,378	1.56	2.34	1.75	188,349,676
1994	36,254	54,911	34,318	40,716	2,357,588	1.54	2.33	1.73	192,497,438
1995	37,241	56,524	35,291	41,817	2,422,696	1.54	2.33	1.73	197,064,868
1996	37,494	57,347	35,696	42,065	2,485,848	1.51	2.31	1.69	201,630,659
1997	37,324	57,060	35,725	42,013	2,561,695	1.46	2.23	1.64	203,567,637
1998	37,107	56,922	35,382	41,501	2,631,522	1.41	2.16	1.58	208,076,469
1999	37,140	56,820	35,875	41,717	2,691,056	1.38	2.11	1.55	212,685,157
2000	37,526	57,594	36,348	41,945	2,746,925	1.37	2.10	1.53	225,821,241
2001	37,862	57,918	36,440	42,196	2,795,610	1.35	2.07	1.51	235,331,382
2002	38,491	58,426	37,375	43,005	2,855,508	1.35	2.05	1.51	234,624,135
2003	38,477	58,877	37,341	42,884	2,890,221	1.33	2.04	1.48	236,760,033
2004	38,444	58,729	37,304	42,836	2,964,788	1.30	1.98	1.44	243,010,550
2005	39,252	59,751	37,727	43,510	2,989,430	1.31	2.00	1.46	247,421,120
2006	38,648	58,302	37,001	42,708	3,014,371	1.28	1.93	1.42	250,844,644
2007	37,435	56,430	35,751	41,259	3,031,124	1.24	1.86	1.36	254,403,081
2008	34,172	50,830	32,144	37,423	2,976,528	1.15	1.71	1.26	255,917,664
2009	30,797	45,573	28,962	33,808	2,953,501	1.04	1.54	1.14	254,212,610

Note: The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel: Federal Highway Administration. Registered Vehicles: Federal Highway Administration. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 7. Large Truck Injury Crash Statistics, 1989-2009

Year	Injury Crashes	Vehicles Involved	Persons Injured	Million Vehicle Miles Traveled	Injury Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Injury Crashes per 100 Million Vehicle Miles Traveled	Persons Injured per 100 Million Vehicle Miles Traveled	Large Trucks Registered
1989	106,000	110,000	156,000	142,749	74.6	77.2	109.0	6,226,481
1990	102,000	107,000	150,000	146,242	69.7	73.3	102.6	6,195,876
1991	75,000	78,000	110,000	149,543	50.2	52.2	73.9	6,172,146
1992	91,000	95,000	139,000	153,384	59.2	61.8	90.4	6,045,205
1993	93,000	97,000	133,000	159,888	57.9	60.4	83.2	6,088,155
1994	91,000	96,000	133,000	170,216	53.3	56.2	78.1	6,587,884
1995	80,000	84,000	117,000	178,156	44.7	46.9	65.7	6,719,420
1996	89,000	94,000	129,000	182,971	48.6	51.3	70.7	7,012,615
1997	92,000	96,000	131,000	191,477	48.0	49.9	68.3	7,083,326
1998	85,000	89,000	127,000	196,380	43.3	45.1	64.8	7,732,270
1999	95,000	101,000	142,000	202,688	46.9	49.6	69.9	7,791,426
2000	96,000	101,000	140,000	205,520	46.9	48.9	68.0	8,022,649
2001	86,000	90,000	131,000	208,928	41.0	43.0	62.5	7,857,675
2002	90,000	94,000	130,000	214,603	41.9	43.9	60.4	7,927,280
2003	85,000	89,000	122,000	217,876	38.8	40.8	56.0	7,756,888
2004	83,000	87,000	116,000	220,811	37.5	39.3	52.6	8,171,364
2005	78,000	82,000	114,000	222,523	34.8	37.0	51.2	8,481,999
2006	77,000	80,000	106,000	222,513	34.5	36.1	47.5	8,819,007
2007	72,000	76,000	101,000	304,178	23.8	24.9	33.2	10,752,019
2008	64,000	66,000	90,000	310,680	20.5	21.3	28.8	10,873,275
2009	51,000	53,000	74,000	288,005	17.8	18.5	25.6	10,973,214

Notes: “Persons Injured” includes all nonfatally injured persons in injury and fatal crashes. A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 8. Large Truck Property Damage Only (PDO) Crash Statistics, 1989-2009

Year	PDO Crashes	Vehicles Involved	Million Vehicle Miles Traveled	PDO Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in PDO Crashes per 100 Million Vehicle Miles Traveled	Large Trucks Registered
1989	291,000	300,000	142,749	203.8	210.5	6,226,481
1990	265,000	273,000	146,242	181.4	186.9	6,195,876
1991	240,000	248,000	149,543	160.2	166.0	6,172,146
1992	268,000	277,000	153,384	174.8	180.8	6,045,205
1993	287,000	296,000	159,888	179.2	185.1	6,088,155
1994	350,000	360,000	170,216	205.4	211.6	6,587,884
1995	279,000	289,000	178,156	156.7	162.4	6,719,420
1996	285,000	295,000	182,971	155.8	161.3	7,012,615
1997	325,000	337,000	191,477	169.6	176.1	7,083,326
1998	302,000	318,000	196,380	153.8	162.0	7,732,270
1999	353,000	369,000	202,688	174.1	182.2	7,791,426
2000	337,000	351,000	205,520	163.9	170.9	8,022,649
2001	319,000	335,000	208,928	152.8	160.3	7,857,675
2002	322,000	336,000	214,603	150.2	156.3	7,927,280
2003	347,000	363,000	217,876	159.4	166.7	7,756,888
2004	312,000	324,000	220,811	141.2	146.9	8,171,364
2005	341,000	354,000	222,523	153.2	159.2	8,481,999
2006	287,000	300,000	222,513	128.9	134.7	8,819,007
2007	317,000	333,000	304,178	104.3	109.5	10,752,019
2008	297,000	309,000	310,680	95.7	99.6	10,873,275
2009	232,000	239,000	288,005	80.6	83.1	10,973,214

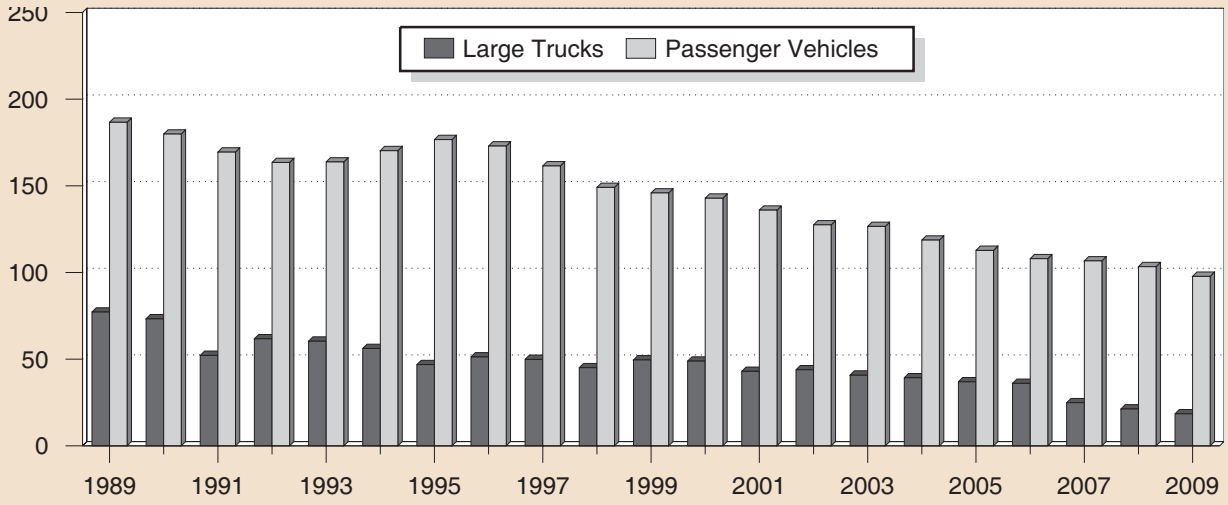
Notes: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 9. Passenger Vehicle Injury Crash Statistics, 1989-2009

Year	Injury Crashes	Vehicles Involved	Persons Injured	Million Vehicle Miles Traveled	Injury Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Injury Crashes per 100 Million Vehicle Miles Traveled	Persons Injured per 100 Million Vehicle Miles Traveled	Passenger Vehicles Registered
1989	2,093,000	3,619,000	3,211,000	1,937,696	108.0	186.7	165.7	169,892,626
1990	2,062,000	3,567,000	3,144,000	1,982,837	104.0	179.9	158.5	173,193,097
1991	1,953,000	3,404,000	3,027,000	2,007,579	97.3	169.5	150.8	175,389,400
1992	1,938,000	3,399,000	3,006,000	2,078,432	93.2	163.5	144.6	174,182,793
1993	1,970,000	3,474,000	3,087,000	2,120,459	92.9	163.8	145.6	177,629,233
1994	2,080,000	3,697,000	3,214,000	2,170,723	95.8	170.3	148.1	181,482,575
1995	2,170,000	3,938,000	3,410,000	2,228,323	97.4	176.7	153.0	185,762,753
1996	2,192,000	3,954,000	3,413,000	2,286,394	95.9	173.0	149.3	190,051,664
1997	2,104,000	3,801,000	3,295,000	2,353,295	89.4	161.5	140.0	191,960,390
1998	1,987,000	3,604,000	3,141,000	2,417,852	82.2	149.1	129.9	195,749,209
1999	2,005,000	3,603,000	3,175,000	2,470,122	81.2	145.9	128.5	200,012,521
2000	2,017,000	3,605,000	3,123,000	2,523,346	79.9	142.9	123.8	212,706,399
2001	1,954,000	3,496,000	2,974,000	2,569,980	76.0	136.0	115.7	221,821,103
2002	1,877,000	3,346,000	2,863,000	2,624,508	71.5	127.5	109.1	220,931,982
2003	1,873,000	3,362,000	2,828,000	2,655,987	70.5	126.6	106.5	222,856,560
2004	1,802,000	3,236,000	2,718,000	2,727,054	66.1	118.7	99.7	228,275,978
2005	1,754,000	3,102,000	2,625,000	2,749,472	63.8	112.8	95.5	231,904,922
2006	1,681,000	2,995,000	2,500,000	2,773,025	60.6	108.0	90.2	234,524,720
2007	1,642,000	2,871,000	2,412,000	2,691,034	61.0	106.7	89.6	235,678,150
2008	1,561,000	2,719,000	2,266,000	2,630,213	59.3	103.4	86.1	236,448,155
2009	1,456,000	2,573,000	2,149,000	2,630,338	55.4	97.8	81.7	234,467,679

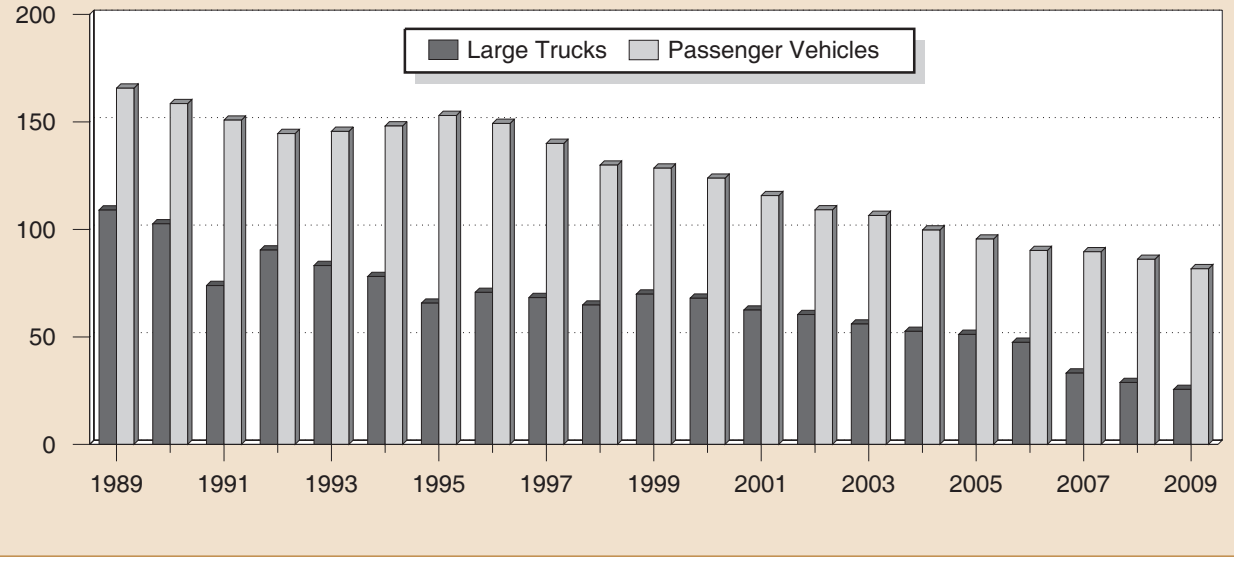
Notes: “Persons Injured” includes all nonfatally injured persons in injury and fatal crashes. A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Figure 4. Large Trucks and Passenger Vehicles Involved in Injury Crashes per 100 Million Vehicle Miles Traveled, 1989-2009



Notes: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel: Federal Highway Administration. Injury Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Figure 5. Persons Injured in Large Truck and Passenger Vehicle Crashes per 100 Million Vehicle Miles Traveled, 1989-2009



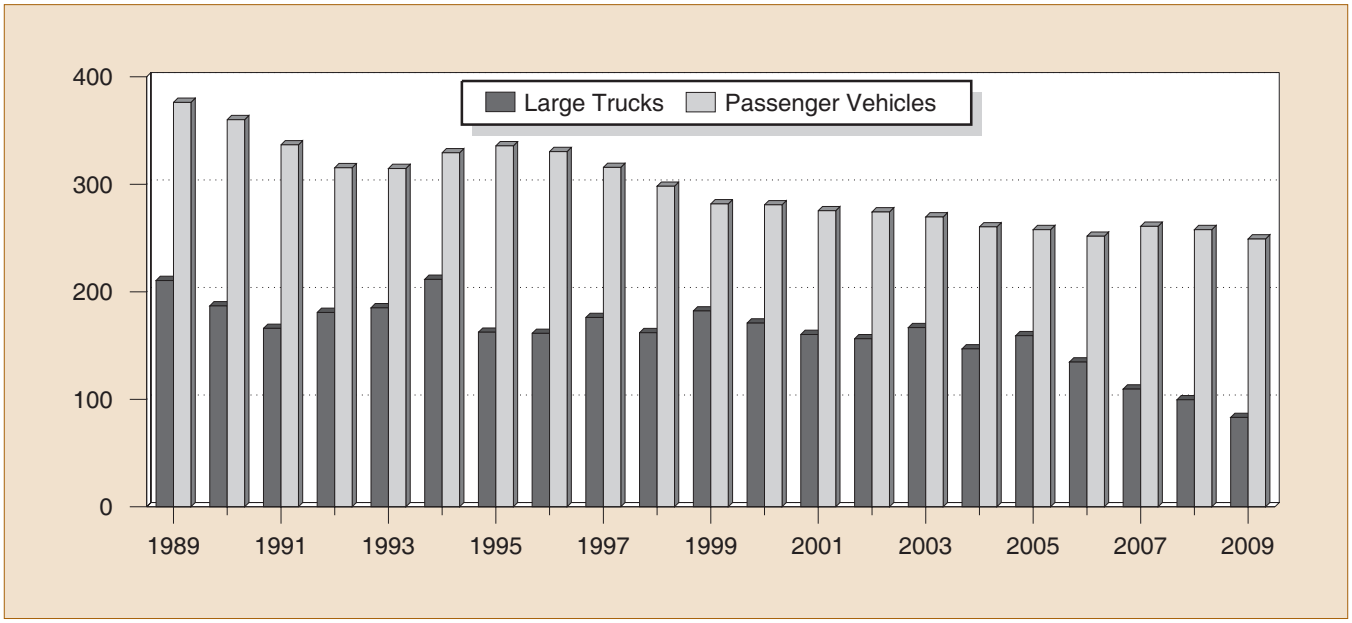
Notes: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). “Persons Injured” includes all nonfatally injured persons in injury and fatal crashes. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 10. Passenger Vehicle Property Damage Only (PDO) Crash Statistics, 1989-2009

Year	PDO Crashes	Vehicles Involved	Million Vehicle Miles Traveled	PDO Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in PDO Crashes per 100 Million Vehicle Miles Traveled	Passenger Vehicles Registered
1989	4,355,000	7,291,000	1,937,696	224.8	376.2	169,892,626
1990	4,207,000	7,140,000	1,982,837	212.2	360.1	173,193,097
1991	3,985,000	6,759,000	2,007,579	198.5	336.7	175,389,400
1992	3,872,000	6,556,000	2,078,432	186.3	315.4	174,182,793
1993	3,937,000	6,673,000	2,120,459	185.7	314.7	177,629,233
1994	4,205,000	7,149,000	2,170,723	193.7	329.3	181,482,575
1995	4,347,000	7,484,000	2,228,323	195.1	335.8	185,762,753
1996	4,403,000	7,555,000	2,286,394	192.6	330.4	190,051,664
1997	4,331,000	7,430,000	2,353,295	184.0	315.7	191,960,390
1998	4,168,000	7,211,000	2,417,852	172.4	298.2	195,749,209
1999	4,058,000	6,961,000	2,470,122	164.3	281.8	200,012,521
2000	4,151,000	7,088,000	2,523,346	164.5	280.9	212,706,399
2001	4,168,000	7,079,000	2,569,980	162.2	275.4	221,821,103
2002	4,228,000	7,199,000	2,624,508	161.1	274.3	220,931,982
2003	4,230,000	7,160,000	2,655,987	159.3	269.6	222,856,560
2004	4,170,000	7,102,000	2,727,054	152.9	260.4	228,275,978
2005	4,174,000	7,088,000	2,749,472	151.8	257.8	231,904,922
2006	4,084,000	6,979,000	2,773,025	147.3	251.7	234,524,720
2007	4,141,000	7,022,000	2,691,034	153.9	260.9	235,678,150
2008	4,027,000	6,779,000	2,630,213	153.1	257.8	236,448,155
2009	3,850,000	6,552,000	2,630,338	146.4	249.1	234,467,679

Notes: A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Figure 6. Large Trucks and Passenger Vehicles Involved in Property Damage Only (PDO) Crashes per 100 Million Vehicle Miles Traveled, 1989-2009



Notes: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds. A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 11. All Motor Vehicle Injury Crash Statistics, 1989-2009

Year	Injury Crashes	Vehicles Involved	Persons Injured	Million Vehicle Miles Traveled	Injury Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Injury Crashes per 100 Million Vehicle Miles Traveled	Persons Injured per 100 Million Vehicle Miles Traveled	Motor Vehicles Registered
1989	2,153,000	3,826,000	3,284,000	2,096,487	102.7	182.5	156.6	181,164,568
1990	2,122,000	3,775,000	3,231,000	2,144,362	99.0	176.0	150.7	184,275,422
1991	2,008,000	3,581,000	3,097,000	2,172,050	92.4	164.9	142.6	186,370,190
1992	1,991,000	3,587,000	3,070,000	2,247,151	88.6	159.6	136.6	184,937,848
1993	2,022,000	3,647,000	3,149,000	2,296,378	88.0	158.8	137.1	188,349,676
1994	2,123,000	3,865,000	3,266,000	2,357,588	90.1	163.9	138.5	192,497,438
1995	2,217,000	4,094,000	3,465,000	2,422,696	91.5	169.0	143.0	197,064,868
1996	2,238,000	4,120,000	3,468,000	2,485,848	90.0	165.7	139.5	201,630,659
1997	2,149,000	3,966,000	3,348,000	2,561,695	83.9	154.8	130.7	203,567,637
1998	2,029,000	3,757,000	3,192,000	2,631,522	77.1	142.8	121.3	208,076,469
1999	2,054,000	3,773,000	3,236,000	2,691,056	76.3	140.2	120.3	212,685,157
2000	2,070,000	3,783,000	3,189,000	2,746,925	75.4	137.7	116.1	225,821,241
2001	2,003,000	3,663,000	3,033,000	2,795,610	71.6	131.0	108.5	235,331,382
2002	1,929,000	3,520,000	2,926,000	2,855,508	67.6	123.3	102.5	234,624,135
2003	1,925,000	3,536,000	2,889,000	2,890,221	66.6	122.4	99.9	236,760,033
2004	1,862,000	3,415,000	2,788,000	2,964,788	62.8	115.2	94.0	243,010,550
2005	1,816,000	3,287,000	2,699,000	2,989,430	60.8	110.0	90.3	247,421,120
2006	1,746,000	3,181,000	2,575,000	3,014,371	57.9	105.5	85.4	250,844,644
2007	1,711,000	3,064,000	2,491,000	3,031,124	56.5	101.1	82.2	254,403,081
2008	1,630,000	2,894,000	2,346,000	2,976,528	54.8	97.2	78.8	255,917,664
2009	1,517,000	2,727,000	2,217,000	2,953,501	51.4	92.3	75.1	254,212,610

Notes: “Persons Injured” includes all nonfatally injured persons in injury and fatal crashes. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 12. All Motor Vehicle Property Damage Only (PDO) Crash Statistics, 1989-2009

Year	PDO Crashes	Vehicles Involved	Million Vehicle Miles Traveled	PDO Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in PDO Crashes per 100 Million Vehicle Miles Traveled	Motor Vehicles Registered
1989	4,459,000	7,678,000	2,096,487	212.7	366.2	181,164,568
1990	4,309,000	7,493,000	2,144,362	201.0	349.4	184,275,422
1991	4,073,000	7,086,000	2,172,050	187.5	326.2	186,370,190
1992	3,974,000	6,906,000	2,247,151	176.9	307.3	184,937,848
1993	4,048,000	7,040,000	2,296,378	176.3	306.6	188,349,676
1994	4,336,000	7,576,000	2,357,588	183.9	321.3	192,497,438
1995	4,446,000	7,844,000	2,422,696	183.5	323.8	197,064,868
1996	4,494,000	7,918,000	2,485,848	180.8	318.5	201,630,659
1997	4,438,000	7,830,000	2,561,695	173.2	305.6	203,567,637
1998	4,269,000	7,587,000	2,631,522	162.2	288.3	208,076,469
1999	4,188,000	7,402,000	2,691,056	155.6	275.1	212,685,157
2000	4,286,000	7,510,000	2,746,925	156.0	273.4	225,821,241
2001	4,282,000	7,480,000	2,795,610	153.2	267.6	235,331,382
2002	4,348,000	7,608,000	2,855,508	152.3	266.4	234,624,135
2003	4,365,000	7,594,000	2,890,221	151.0	262.7	236,760,033
2004	4,281,000	7,489,000	2,964,788	144.4	252.6	243,010,550
2005	4,304,000	7,511,000	2,989,430	144.0	251.3	247,421,120
2006	4,189,000	7,345,000	3,014,371	139.0	243.7	250,844,644
2007	4,275,000	7,431,000	3,031,124	141.0	245.2	254,403,081
2008	4,146,000	7,166,000	2,976,528	139.3	240.8	255,917,664
2009	3,957,000	6,868,000	2,953,501	134.0	232.5	254,212,610

Note: The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel: Federal Highway Administration. Registered Vehicles: Federal Highway Administration. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 13. Vehicle Occupants Killed in Large Truck Crashes by Vehicle Type, 1975-2009

Year	Passenger Car	Light Truck	Large Truck		Motorcycle	Bus	Other/ Unknown	Total
			Single-Vehicle Crashes	Multiple-Vehicle Crashes				
1975	2,353	522	643	318	156	8	67	**4,067**
1976	2,505	619	774	358	164	8	88	**4,516**
1977	2,903	756	884	403	180	8	73	**5,207**
1978	3,207	842	929	466	237	15	53	**5,749**
1979	3,320	976	967	465	248	10	61	**6,047**
1980	2,880	849	861	401	300	9	46	**5,346**
1981	2,927	889	785	348	259	11	40	**5,259**
1982	2,703	819	639	305	216	8	44	**4,734**
1983	2,859	805	676	306	204	26	47	**4,923**
1984	2,907	832	755	319	230	20	47	**5,110**
1985	3,020	881	634	343	243	25	58	**5,204**
1986	2,958	863	603	323	216	7	44	**5,014**
1987	2,961	957	571	281	223	15	38	**5,046**
1988	3,054	960	585	326	175	3	58	**5,161**
1989	2,913	1,024	550	308	133	28	44	**5,000**
1990	2,876	987	485	220	158	13	37	**4,776**
1991	2,535	986	448	213	133	9	42	**4,366**
1992	2,419	916	396	189	92	2	31	**4,045**
1993	2,615	1,077	389	216	116	5	42	**4,460**
1994	2,639	1,197	451	219	133	6	38	**4,683**
1995	2,546	1,153	425	223	108	9	30	**4,494**
1996	2,683	1,270	412	209	92	6	36	**4,708**
1997	2,674	1,426	499	224	85	10	28	**4,946**
1998	2,556	1,510	486	256	102	7	40	**4,957**
1999	2,524	1,493	480	279	118	12	33	**4,939**
2000	2,475	1,487	484	270	111	8	33	**4,868**
2001	2,269	1,539	474	234	113	13	28	**4,670**
2002	2,206	1,505	449	240	133	12	30	**4,575**
2003	2,206	1,515	457	269	151	11	36	**4,645**
2004	2,240	1,577	469	297	174	14	37	**4,808**
2005	2,070	1,646	478	326	201	13	41	**4,775**
2006	2,036	1,536	500	305	193	3	29	**4,602**
2007	1,858	1,484	502	303	231	7	28	**4,413**
2008	1,559	1,318	430	252	247	4	23	**3,833**
2009	1,257	1,090	337	166	176	2	26	**3,054**

Notes: A passenger car is defined as a motor vehicle used primarily for carrying passengers, including convertibles, sedans, and station wagons. A light truck is defined as a truck with a gross vehicle weight rating (GVWR) of 10,000 pounds or less, including pickups, vans, truck-based station wagons, and sport utility vehicles. A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds. A bus is defined as a motor vehicle (including school buses, intercity buses, and transit buses) designed to carry more than 10 passengers, not including the driver.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 14. Nonmotorists and Vehicle Occupants Killed in Large Truck Crashes, 1975-2009

Year	Nonmotorists				Vehicle Occupants	Total
	Pedestrian	Pedalcyclist	Other/Unknown	Total		
1975	333	66	17	**416**	4,067	**4,483**
1976	400	79	13	**492**	4,516	**5,008**
1977	424	69	23	**516**	5,207	**5,723**
1978	516	64	27	**607**	5,749	**6,356**
1979	524	90	41	**655**	6,047	**6,702**
1980	523	73	29	**625**	5,346	**5,971**
1981	462	64	21	**547**	5,259	**5,806**
1982	418	61	16	**495**	4,734	**5,229**
1983	463	83	22	**568**	4,923	**5,491**
1984	425	80	25	**530**	5,110	**5,640**
1985	447	64	19	**530**	5,204	**5,734**
1986	452	78	35	**565**	5,014	**5,579**
1987	427	90	35	**552**	5,046	**5,598**
1988	430	59	29	**518**	5,161	**5,679**
1989	399	71	20	**490**	5,000	**5,490**
1990	414	58	24	**496**	4,776	**5,272**
1991	363	75	17	**455**	4,366	**4,821**
1992	341	60	16	**417**	4,045	**4,462**
1993	303	57	36	**396**	4,460	**4,856**
1994	351	86	24	**461**	4,683	**5,144**
1995	329	74	21	**424**	4,494	**4,918**
1996	331	59	44	**434**	4,708	**5,142**
1997	352	75	25	**452**	4,946	**5,398**
1998	353	58	27	**438**	4,957	**5,395**
1999	344	66	31	**441**	4,939	**5,380**
2000	328	63	23	**414**	4,868	**5,282**
2001	352	69	20	**441**	4,670	**5,111**
2002	278	67	19	**364**	4,575	**4,939**
2003	320	52	19	**391**	4,645	**5,036**
2004	333	77	17	**427**	4,808	**5,235**
2005	346	87	32	**465**	4,775	**5,240**
2006	318	78	29	**425**	4,602	**5,027**
2007	313	70	26	**409**	4,413	**4,822**
2008	317	70	25	**412**	3,833	**4,245**
2009	262	56	8	**326**	3,054	**3,380**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 15. Drivers in Fatal Crashes by Vehicle Type and Blood Alcohol Concentration, 1989-2009

Year	Large Truck			Passenger Car		
	Total Drivers	BAC=0.01+	BAC=0.08+	Total Drivers	BAC=0.01+	BAC=0.08+
1989	4,903	4.4%	2.8%	35,204	32.2%	27.3%
1990	4,709	4.7%	2.8%	33,893	34.2%	28.9%
1991	4,291	4.4%	2.6%	31,102	31.5%	26.8%
1992	3,980	3.3%	1.9%	29,670	30.4%	25.5%
1993	4,271	3.9%	2.3%	30,060	28.5%	23.8%
1994	4,592	3.2%	2.1%	30,103	28.1%	23.8%
1995	4,410	3.6%	2.3%	30,773	26.9%	22.6%
1996	4,688	3.1%	2.1%	30,451	27.2%	22.7%
1997	4,859	2.7%	1.7%	29,896	25.6%	21.6%
1998	4,905	2.5%	1.5%	28,907	25.6%	21.3%
1999	4,868	2.5%	1.5%	27,878	25.2%	21.3%
2000	4,948	2.8%	1.5%	27,661	28.1%	23.6%
2001	4,779	2.5%	1.2%	27,444	27.0%	22.7%
2002	4,550	2.5%	1.7%	27,236	26.6%	22.4%
2003	4,658	2.1%	1.4%	26,422	26.1%	22.0%
2004	4,837	2.2%	1.1%	25,568	27.0%	22.9%
2005	4,900	2.6%	1.4%	25,046	27.8%	23.5%
2006	4,729	2.0%	1.1%	24,162	27.2%	22.6%
2007	4,601	1.7%	1.0%	22,765	27.0%	22.6%
2008	4,040	2.8%	1.6%	20,379	27.4%	23.0%
2009	3,187	2.9%	1.7%	18,279	27.1%	23.2%
Year	Light Truck			Motorcycle		
	Total Drivers	BAC=0.01+	BAC=0.08+	Total Drivers	BAC=0.01+	BAC=0.08+
1989	15,579	34.7%	30.4%	3,182	52.9%	44.6%
1990	15,501	35.9%	31.1%	3,269	52.4%	43.2%
1991	14,702	35.2%	30.5%	2,816	52.1%	43.5%
1992	14,540	48.7%	40.0%	2,435	32.7%	28.4%
1993	15,207	30.8%	26.8%	2,471	45.3%	37.7%
1994	16,235	29.3%	25.2%	2,330	40.9%	33.0%
1995	17,483	28.7%	24.6%	2,262	41.6%	33.0%
1996	18,057	27.7%	24.0%	2,172	43.5%	35.3%
1997	18,502	26.3%	22.6%	2,159	40.8%	32.4%
1998	19,247	26.2%	22.2%	2,333	41.1%	34.4%
1999	19,865	26.4%	22.3%	2,528	40.1%	32.8%
2000	20,393	26.0%	22.2%	2,971	40.0%	31.8%
2001	20,704	26.7%	22.7%	3,261	36.9%	29.2%
2002	21,562	26.8%	23.1%	3,363	38.7%	30.9%
2003	22,172	25.3%	21.5%	3,800	36.3%	29.1%
2004	22,367	25.0%	21.5%	4,116	33.9%	27.1%
2005	22,879	25.2%	21.6%	4,679	34.5%	27.0%
2006	22,307	27.9%	24.0%	4,961	34.1%	26.2%
2007	21,719	27.3%	23.4%	5,306	35.2%	26.9%
2008	19,095	26.3%	22.6%	5,405	36.1%	28.9%
2009	17,822	26.9%	23.2%	4,593	36.3%	28.6%

Notes: Blood alcohol concentration (BAC) of 0.01 grams per deciliter (g/dL) or above (BAC=0.01+) indicates driver alcohol involvement. BAC of 0.08 g/dL or greater (BAC=0.08+) indicates driver intoxication. A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds. A passenger car is defined as a motor vehicle used primarily for carrying passengers, including convertibles, sedans, and station wagons. A light truck is defined as a truck with a gross vehicle weight rating (GVWR) of 10,000 pounds or less, including pickups, vans, truck-based station wagons, and sport utility vehicles.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 16. Combination Truck Fatal Crash Statistics, 1975-2009

Year	Fatal Crashes	Vehicles Involved	Occupant Fatalities	Total Fatalities	Million Vehicle Miles Traveled	Fatal Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Fatal Crashes per 100 Million Vehicle Miles Traveled	Fatalities per 100 Million Vehicle Miles Traveled	Combination Trucks Registered
1975	2,825	3,006	696	3,452	46,724	6.05	6.43	7.39	1,130,747
1976	3,260	3,439	838	3,948	49,680	6.56	6.92	7.95	1,224,917
1977	3,613	3,830	932	4,305	55,682	6.49	6.88	7.73	1,239,613
1978	4,066	4,305	1,001	4,825	62,992	6.45	6.83	7.66	1,341,707
1979	4,307	4,574	1,041	5,148	66,992	6.43	6.83	7.68	1,386,374
1980	3,731	3,957	904	4,473	68,678	5.43	5.76	6.51	1,416,869
1981	3,863	4,070	850	4,594	69,134	5.59	5.89	6.65	1,261,202
1982	3,519	3,708	744	4,226	70,765	4.97	5.24	5.97	1,265,321
1983	3,645	3,839	756	4,365	73,586	4.95	5.22	5.93	1,304,041
1984	3,907	4,122	872	4,605	77,377	5.05	5.33	5.95	1,340,144
1985	3,892	4,124	772	4,655	78,063	4.99	5.28	5.96	1,403,266
1986	3,825	4,060	718	4,493	81,038	4.72	5.01	5.54	1,407,783
1987	3,746	3,971	675	4,403	85,495	4.38	4.64	5.15	1,529,824
1988	3,939	4,212	731	4,609	88,551	4.45	4.76	5.20	1,667,327
1989	3,680	3,909	671	4,372	91,879	4.01	4.25	4.76	1,707,182
1990	3,583	3,780	520	4,217	94,341	3.80	4.01	4.47	1,708,895
1991	3,071	3,266	493	3,635	96,645	3.18	3.38	3.76	1,691,331
1992	2,881	3,033	429	3,376	99,510	2.90	3.05	3.39	1,675,363
1993	3,092	3,261	446	3,699	103,116	3.00	3.16	3.59	1,680,305
1994	3,248	3,432	477	3,860	108,932	2.98	3.15	3.54	1,681,500
1995	3,129	3,319	472	3,723	115,451	2.71	2.87	3.22	1,695,751
1996	3,325	3,570	448	3,921	118,899	2.80	3.00	3.30	1,746,586
1997	3,491	3,711	512	4,122	124,584	2.80	2.98	3.31	1,789,968
1998	3,465	3,747	531	4,143	128,359	2.70	2.92	3.23	1,997,345
1999	3,442	3,713	574	4,121	132,384	2.60	2.80	3.11	2,028,562
2000	3,466	3,771	541	4,052	135,020	2.57	2.79	3.00	2,096,619
2001	3,298	3,553	503	3,838	136,534	2.42	2.60	2.81	2,154,174
2002	3,207	3,487	508	3,830	138,737	2.31	2.51	2.76	2,276,661
2003	3,239	3,523	524	3,799	140,128	2.31	2.51	2.71	1,908,365
2004	3,332	3,642	536	3,949	142,370	2.34	2.56	2.77	2,010,335
2005	3,387	3,664	561	3,932	144,028	2.35	2.54	2.73	2,086,759
2006	3,206	3,508	566	3,776	142,169	2.26	2.47	2.66	2,169,670
2007	3,125	3,439	551	3,633	184,199	1.70	1.87	1.97	2,635,347
2008	2,779	3,018	471	3,173	183,826	1.51	1.64	1.73	2,585,229
2009	2,179	2,342	340	2,470	167,842	1.30	1.40	1.47	2,617,118

Notes: A combination truck is defined as a truck tractor pulling any number of trailers (including a "bobtail" truck tractor not pulling any trailers) or a straight truck pulling at least one trailer. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 17. Single-Unit Truck Fatal Crash Statistics, 1975-2009

Year	Fatal Crashes	Vehicles Involved	Occupant Fatalities	Total Fatalities	Million Vehicle Miles Traveled	Fatal Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Fatal Crashes per 100 Million Vehicle Miles Traveled	Fatalities per 100 Million Vehicle Miles Traveled	Single-Unit Trucks Registered
1975	948	971	265	1,094	34,606	2.74	2.81	3.16	4,231,622
1976	978	996	294	1,125	36,390	2.69	2.74	3.09	4,350,268
1977	1,306	1,334	355	1,502	39,339	3.32	3.39	3.82	4,450,290
1978	1,419	1,454	394	1,630	42,747	3.32	3.40	3.81	4,518,100
1979	1,472	1,510	391	1,670	42,012	3.50	3.59	3.98	4,505,197
1980	1,388	1,422	358	1,590	39,813	3.49	3.57	3.99	4,373,784
1981	1,130	1,160	283	1,298	39,568	2.86	2.93	3.28	4,455,076
1982	922	938	200	1,056	40,658	2.27	2.31	2.60	4,325,094
1983	1,019	1,038	226	1,182	42,546	2.40	2.44	2.78	4,204,351
1984	986	1,002	202	1,114	44,419	2.22	2.26	2.51	4,060,931
1985	1,016	1,029	205	1,163	45,441	2.24	2.26	2.56	4,593,071
1986	1,018	1,037	208	1,158	45,637	2.23	2.27	2.54	4,313,097
1987	1,118	1,137	177	1,259	48,022	2.33	2.37	2.62	4,188,442
1988	1,014	1,029	180	1,143	49,434	2.05	2.08	2.31	4,469,557
1989	1,056	1,075	187	1,192	50,870	2.08	2.11	2.34	4,519,300
1990	979	996	185	1,106	51,901	1.89	1.92	2.13	4,486,981
1991	1,072	1,081	168	1,251	52,898	2.03	2.04	2.36	4,480,815
1992	987	1,002	156	1,137	53,874	1.83	1.86	2.11	4,369,842
1993	1,054	1,067	159	1,214	56,772	1.86	1.88	2.14	4,407,850
1994	1,188	1,212	193	1,354	61,284	1.94	1.98	2.21	4,906,385
1995	1,133	1,153	176	1,275	62,705	1.81	1.84	2.03	5,023,669
1996	1,160	1,185	173	1,313	64,072	1.81	1.85	2.05	5,266,029
1997	1,194	1,206	211	1,369	66,893	1.78	1.80	2.05	5,293,358
1998	1,185	1,208	211	1,331	68,021	1.74	1.78	1.96	5,734,925
1999	1,193	1,207	185	1,352	70,304	1.70	1.72	1.92	5,762,864
2000	1,199	1,224	213	1,350	70,500	1.70	1.74	1.91	5,926,030
2001	1,247	1,270	205	1,382	72,394	1.72	1.75	1.91	5,703,501
2002	1,089	1,100	181	1,210	75,866	1.44	1.45	1.59	5,650,619
2003	1,174	1,198	202	1,330	77,748	1.51	1.54	1.71	5,848,523
2004	1,228	1,258	230	1,390	78,441	1.57	1.60	1.77	6,161,028
2005	1,243	1,274	240	1,398	78,496	1.58	1.62	1.78	6,395,240
2006	1,219	1,254	239	1,339	80,344	1.52	1.56	1.67	6,649,337
2007	1,160	1,186	252	1,300	119,979	0.97	0.99	1.08	8,116,672
2008	1,056	1,071	211	1,173	126,855	0.83	0.84	0.92	8,288,046
2009	858	873	163	972	120,163	0.71	0.73	0.81	8,356,097

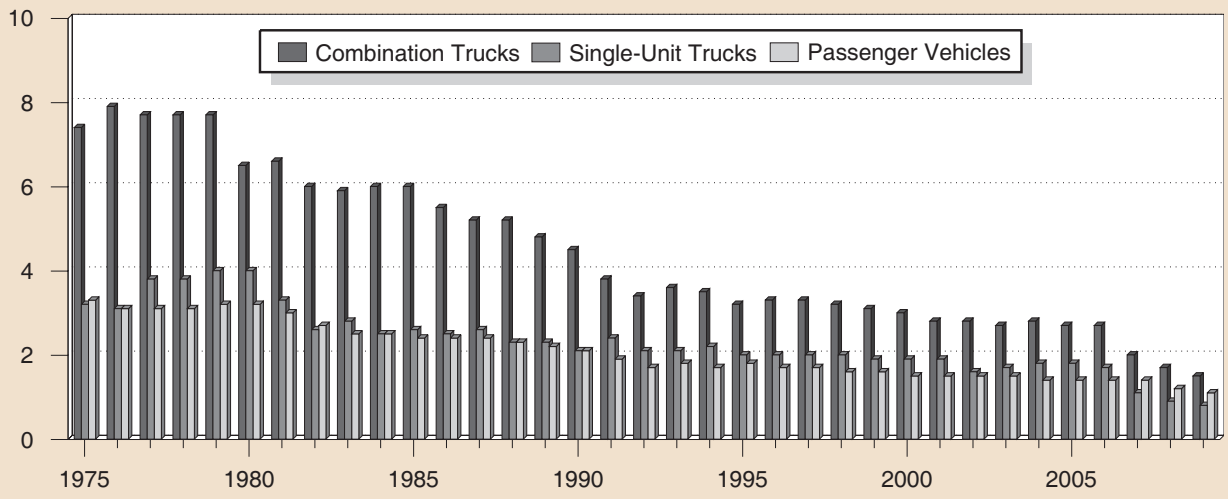
Notes: A single-unit truck is defined as a medium or heavy truck in which the engine, cab, drive train, and cargo area are all on one chassis. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 18. Combination Truck Injury Crash Statistics, 1989-2009

Year	Injury Crashes	Vehicles Involved	Persons Injured	Million Vehicle Miles Traveled	Injury Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Injury Crashes per 100 Million Vehicle Miles Traveled	Persons Injured per 100 Million Vehicle Miles Traveled	Combination Trucks Registered
1989	61,000	64,000	87,000	91,879	66.9	69.4	94.4	1,707,182
1990	59,000	61,000	85,000	94,341	62.1	64.4	90.3	1,708,895
1991	42,000	44,000	63,000	96,645	43.7	45.5	65.2	1,691,331
1992	46,000	47,000	72,000	99,510	46.4	47.5	72.0	1,675,363
1993	54,000	56,000	77,000	103,116	52.7	54.5	74.8	1,680,305
1994	58,000	60,000	82,000	108,932	52.8	55.4	75.5	1,681,500
1995	48,000	50,000	67,000	115,451	41.6	43.5	58.4	1,695,751
1996	55,000	57,000	78,000	118,899	45.9	48.1	65.5	1,746,586
1997	51,000	53,000	72,000	124,584	40.7	42.4	58.1	1,789,968
1998	49,000	51,000	75,000	128,359	37.9	39.4	58.3	1,997,345
1999	54,000	57,000	79,000	132,384	40.5	43.0	59.8	2,028,562
2000	50,000	52,000	73,000	135,020	37.2	38.7	53.9	2,096,619
2001	46,000	49,000	71,000	136,534	34.0	35.6	51.8	2,154,174
2002	48,000	50,000	72,000	138,737	34.8	36.2	51.6	2,276,661
2003	46,000	49,000	65,000	140,128	32.8	34.6	46.7	1,908,365
2004	46,000	47,000	64,000	142,370	32.0	33.3	44.8	2,010,335
2005	43,000	46,000	63,000	144,028	30.0	31.6	43.9	2,086,759
2006	40,000	41,000	56,000	142,169	27.8	29.0	39.2	2,169,670
2007	39,000	41,000	55,000	184,199	21.0	22.0	30.0	2,635,347
2008	36,000	38,000	51,000	183,826	19.6	20.5	27.7	2,585,229
2009	29,000	30,000	42,000	167,842	17.3	18.0	24.9	2,617,118

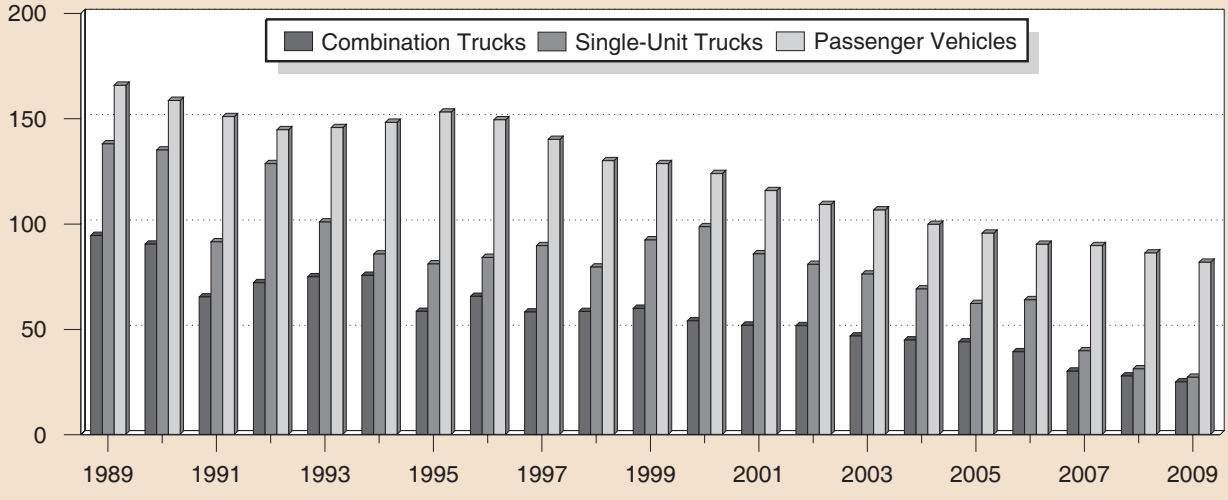
Notes: "Persons Injured" includes all nonfatally injured persons in injury and fatal crashes. A combination truck is defined as a truck tractor pulling any number of trailers (including none) or a straight truck pulling at least one trailer. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Figure 7. Fatalities in Combination Truck, Single-Unit Truck, and Passenger Vehicle Crashes per 100 Million Vehicle Miles Traveled, 1975-2009



Notes: A combination truck is defined as a truck tractor pulling any number of trailers (including none) or a straight truck pulling at least one trailer. A single-unit truck is defined as a medium or heavy truck in which the engine, cab, drive train, and cargo area are all on one chassis. A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel: Federal Highway Administration. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Figure 8. Persons Injured in Combination Truck, Single-Unit Truck, and Passenger Vehicle Crashes per 100 Million Vehicle Miles Traveled, 1989-2009



Notes: "Persons Injured" includes all nonfatally injured persons in injury and fatal crashes. A combination truck is defined as a truck tractor pulling any number of trailers (including none) or a straight truck pulling at least one trailer. A single-unit truck is defined as a medium or heavy truck in which the engine, cab, drive train, and cargo area are all on one chassis. A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 19. Combination Truck Property Damage Only (PDO) Crash Statistics, 1989-2009

Year	PDO Crashes	Vehicles Involved	Million Vehicle Miles Traveled	PDO Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in PDO Crashes per 100 Million Vehicle Miles Traveled	Combination Trucks Registered
1989	180,000	185,000	91,879	195.9	201.7	1,707,182
1990	161,000	166,000	94,341	170.9	175.6	1,708,895
1991	146,000	152,000	96,645	150.8	157.0	1,691,331
1992	129,000	134,000	99,510	129.5	134.3	1,675,363
1993	180,000	186,000	103,116	174.6	180.5	1,680,305
1994	217,000	223,000	108,932	199.4	204.8	1,681,500
1995	174,000	179,000	115,451	150.9	155.2	1,695,751
1996	168,000	173,000	118,899	141.0	145.8	1,746,586
1997	188,000	197,000	124,584	151.0	157.9	1,789,968
1998	170,000	178,000	128,359	132.3	138.9	1,997,345
1999	176,000	184,000	132,384	132.8	138.9	2,028,562
2000	171,000	179,000	135,020	126.8	132.2	2,096,619
2001	159,000	166,000	136,534	116.1	121.6	2,154,174
2002	153,000	159,000	138,737	110.1	114.9	2,276,661
2003	163,000	172,000	140,128	116.3	122.6	1,908,365
2004	161,000	168,000	142,370	113.2	118.0	2,010,335
2005	169,000	177,000	144,028	117.6	123.1	2,086,759
2006	143,000	150,000	142,169	100.4	105.7	2,169,670
2007	155,000	163,000	184,199	84.3	88.6	2,635,347
2008	142,000	149,000	183,826	77.1	81.0	2,585,229
2009	115,000	119,000	167,842	68.4	71.2	2,617,118

Notes: A combination truck is defined as a truck tractor pulling any number of trailers (including none) or a straight truck pulling at least one trailer. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 20. Single-Unit Truck Injury Crash Statistics, 1989-2009

Year	Injury Crashes	Vehicles Involved	Persons Injured	Million Vehicle Miles Traveled	Injury Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Injury Crashes per 100 Million Vehicle Miles Traveled	Persons Injured per 100 Million Vehicle Miles Traveled	Single-Unit Trucks Registered
1989	46,000	46,000	70,000	50,870	89.8	91.3	137.9	4,519,300
1990	45,000	46,000	70,000	51,901	86.2	89.4	135.0	4,486,981
1991	33,000	34,000	48,000	52,898	63.0	64.3	91.4	4,480,815
1992	46,000	48,000	69,000	53,874	85.2	88.2	128.5	4,369,842
1993	39,000	40,000	57,000	56,772	69.0	71.0	100.8	4,407,850
1994	34,000	35,000	52,000	61,284	56.1	57.6	85.6	4,906,385
1995	32,000	33,000	51,000	62,705	51.5	53.2	80.9	5,023,669
1996	36,000	37,000	54,000	64,072	56.0	57.3	84.0	5,266,029
1997	42,000	43,000	60,000	66,893	63.2	63.9	89.6	5,293,358
1998	38,000	38,000	54,000	68,021	55.2	56.0	79.4	5,734,925
1999	43,000	44,000	65,000	70,304	60.8	62.2	92.3	5,762,864
2000	48,000	48,000	70,000	70,500	67.5	68.4	98.6	5,926,030
2001	41,000	41,000	62,000	72,394	56.1	56.9	85.7	5,703,501
2002	43,000	44,000	61,000	75,866	40.4	58.0	80.7	5,650,619
2003	40,000	40,000	59,000	77,748	50.9	51.8	76.1	5,848,523
2004	39,000	39,000	54,000	78,441	49.2	50.2	69.0	6,161,028
2005	32,000	34,000	49,000	78,496	41.3	42.8	62.1	6,395,240
2006	38,000	39,000	51,000	80,344	47.6	48.6	63.9	6,649,337
2007	35,000	35,000	48,000	119,979	28.8	29.3	39.7	8,116,672
2008	28,000	28,000	39,000	126,855	22.2	22.4	31.1	8,288,046
2009	23,000	23,000	33,000	120,163	19.0	19.4	27.1	8,356,097

Notes: "Persons Injured" includes all nonfatally injured persons in injury and fatal crashes. A single-unit truck is defined as a medium or heavy truck in which the engine, cab, drive train, and cargo area are all on one chassis. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 21. Single-Unit Truck Property Damage Only (PDO) Crash Statistics, 1989-2009

Year	PDO Crashes	Vehicles Involved	Million Vehicle Miles Traveled	PDO Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in PDO Crashes per 100 Million Vehicle Miles Traveled	Single-Unit Trucks Registered
1989	113,000	115,000	50,870	222.7	226.3	4,519,300
1990	106,000	108,000	51,901	204.0	207.5	4,486,981
1991	96,000	97,000	52,898	181.1	182.5	4,480,815
1992	141,000	144,000	53,874	262.2	266.5	4,369,842
1993	109,000	110,000	56,772	191.3	193.4	4,407,850
1994	135,000	137,000	61,284	220.9	223.6	4,906,385
1995	108,000	110,000	62,705	171.9	175.8	5,023,669
1996	120,000	122,000	64,072	187.7	190.1	5,266,029
1997	140,000	141,000	66,893	208.6	210.1	5,293,358
1998	138,000	140,000	68,021	202.5	205.5	5,734,925
1999	181,000	185,000	70,304	257.3	263.6	5,762,864
2000	171,000	173,000	70,500	242.8	244.9	5,926,030
2001	167,000	169,000	72,394	230.6	233.2	5,703,501
2002	173,000	176,000	75,866	228.0	232.1	5,650,619
2003	189,000	191,000	77,748	242.6	246.0	5,848,523
2004	154,000	156,000	78,441	196.0	199.3	6,161,028
2005	117,000	118,000	78,496	149.0	150.3	6,395,240
2006	147,000	149,000	80,344	182.9	186.0	6,649,337
2007	167,000	170,000	119,979	139.6	141.6	8,116,672
2008	159,000	161,000	126,855	125.4	126.6	8,288,046
2009	118,000	120,000	120,163	98.5	99.7	8,356,097

Notes: A single-unit truck is defined as a medium or heavy truck in which the engine, cab, drive train, and cargo area are all on one chassis. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 22. Large Truck and Passenger Vehicle Fatal Crashes per 100 Million Vehicle Miles Traveled by Roadway Function Class, 1981-2009

Year	Rural						Urban				Total	
	Interstate		Non-Interstate Principal Arterial		Other		Interstate		Other			
	Large Trucks	Passenger Vehicles	Large Trucks	Passenger Vehicles	Large Trucks	Passenger Vehicles	Large Trucks	Passenger Vehicles	Large Trucks	Passenger Vehicles	Large Trucks	Passenger Vehicles
1981	2.3	1.4	5.3	2.4	7.9	5.3	2.7	1.1	4.5	2.2	4.5	2.7
1982	1.9	1.3	4.5	1.8	8.2	5.2	2.2	0.9	3.8	1.9	4.0	2.3
1983	2.1	1.3	4.1	1.6	8.3	5.0	2.5	0.8	4.0	1.8	4.0	2.2
1984	2.0	1.3	4.1	1.7	8.5	5.2	2.4	0.8	3.9	1.8	4.0	2.2
1985	2.0	1.2	4.1	1.7	8.2	5.0	2.4	0.8	4.0	1.7	4.0	2.1
1986	1.7	1.2	4.1	1.7	7.7	5.3	2.3	0.7	4.1	1.7	3.8	2.1
1987	1.8	1.3	3.7	1.6	7.7	5.3	2.0	0.7	3.9	1.6	3.6	2.1
1988	2.0	1.4	3.3	1.5	7.8	5.3	2.1	0.8	3.6	1.6	3.6	2.0
1989	1.7	1.3	3.2	1.3	7.6	4.9	1.8	0.7	3.3	1.5	3.3	1.9
1990	1.5	1.2	2.8	1.2	7.0	4.8	1.9	0.7	3.3	1.4	3.1	1.8
1991	1.4	1.1	2.6	1.1	5.8	4.4	1.6	0.6	3.0	1.3	2.7	1.7
1992	1.2	1.1	2.5	1.0	5.4	4.2	1.4	0.5	2.6	1.2	2.5	1.5
1993	1.3	1.2	2.5	1.1	5.6	4.4	1.5	0.5	2.6	1.2	2.6	1.5
1994	1.2	1.1	2.8	1.2	5.3	4.3	1.6	0.6	2.5	1.2	2.6	1.5
1995	1.1	1.1	2.5	1.2	4.8	4.4	1.5	0.5	2.5	1.2	2.4	1.6
1996	1.3	1.2	2.7	1.2	5.0	4.2	1.6	0.6	2.3	1.2	2.4	1.5
1997	1.2	1.2	2.7	1.2	5.4	4.1	1.5	0.6	2.3	1.1	2.4	1.5
1998	1.2	1.2	2.7	1.2	5.4	3.9	1.5	0.5	2.1	1.0	2.3	1.4
1999	1.3	1.2	2.6	1.1	5.3	3.8	1.3	0.5	2.0	1.0	2.3	1.4
2000	1.3	1.2	2.3	1.0	5.2	3.7	1.3	0.5	1.9	1.0	2.2	1.4
2001	1.2	1.1	2.3	1.0	4.9	3.7	1.4	0.5	1.9	1.0	2.1	1.3
2002	1.1	1.1	2.0	1.0	4.7	3.8	1.2	0.5	1.8	1.0	2.0	1.3
2003	1.3	1.1	2.3	1.1	4.3	3.7	1.3	0.5	1.7	1.0	2.0	1.3
2004	1.3	1.1	2.3	1.1	4.5	3.8	1.2	0.5	1.7	0.9	2.0	1.3
2005	1.4	1.2	2.1	1.1	4.5	3.8	1.2	0.5	1.9	0.9	2.0	1.3
2006	1.2	1.0	2.3	1.0	4.3	3.7	1.2	0.5	1.8	0.9	2.0	1.2
2007	0.9	1.0	1.6	1.1	3.3	3.7	0.9	0.5	1.1	0.9	1.4	1.2
2008	0.9	1.0	1.4	1.1	3.0	3.4	0.8	0.4	0.9	0.8	1.2	1.1
2009	0.7	0.9	1.4	1.1	2.4	3.0	0.7	0.4	0.7	0.7	1.0	1.0

Notes: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles). The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel: Federal Highway Administration. Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 23. Bus Fatal Crash Statistics, 1975-2009

Year	Fatal Crashes	Vehicles Involved	Occupant Fatalities	Total Fatalities	Million Vehicle Miles Traveled	Fatal Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Fatal Crashes per 100 Million Vehicle Miles Traveled	Fatalities per 100 Million Vehicle Miles Traveled	Buses Registered
1975	323	327	53	348	6,055	5.33	5.40	5.75	462,156
1976	318	319	73	390	6,258	5.08	5.10	6.23	478,339
1977	321	321	42	354	5,823	5.51	5.51	6.08	490,761
1978	370	372	41	412	5,885	6.29	6.32	7.00	505,354
1979	344	347	39	376	5,947	5.78	5.83	6.32	526,765
1980	329	330	46	390	6,059	5.43	5.45	6.44	528,789
1981	340	342	56	393	6,241	5.45	5.48	6.30	543,984
1982	288	289	35	323	5,823	4.95	4.96	5.55	559,200
1983	305	307	53	366	5,199	5.87	5.90	7.04	582,884
1984	319	320	46	374	4,640	6.88	6.90	8.06	583,671
1985	337	337	57	398	4,478	7.53	7.53	8.89	593,485
1986	284	286	39	337	4,717	6.02	6.06	7.14	593,853
1987	353	353	51	409	5,330	6.62	6.62	7.67	602,055
1988	284	287	54	341	5,475	5.19	5.24	6.23	615,669
1989	309	311	50	366	5,670	5.45	5.49	6.46	625,040
1990	286	289	32	340	5,726	4.99	5.05	5.94	626,987
1991	271	274	31	304	5,750	4.71	4.77	5.29	631,279
1992	283	285	28	316	5,778	4.90	4.93	5.47	644,732
1993	262	263	18	286	6,125	4.28	4.29	4.67	654,432
1994	256	258	18	286	6,409	3.99	4.03	4.46	670,423
1995	271	271	33	311	6,420	4.22	4.22	4.84	685,503
1996	324	326	21	367	6,563	4.94	4.97	5.59	694,781
1997	295	297	18	339	6,842	4.31	4.34	4.95	697,548
1998	288	289	38	329	7,007	4.11	4.12	4.70	715,540
1999	313	319	59	373	7,662	4.09	4.16	4.87	728,777
2000	323	325	22	357	7,590	4.26	4.28	4.70	746,125
2001	289	292	34	331	7,070	4.09	4.13	4.84	749,548
2002	274	274	45	331	6,845	4.00	4.00	4.84	760,717
2003	288	291	41	337	6,782	4.25	4.29	4.97	776,550
2004	276	279	42	315	6,801	4.06	4.10	4.63	795,274
2005	278	280	58	340	6,980	3.98	4.01	4.87	807,053
2006	303	305	27	337	6,783	4.47	4.50	4.97	821,959
2007	280	281	36	325	14,516	1.93	1.94	2.24	834,436
2008	251	251	67	311	14,823	1.69	1.69	2.10	843,308
2009	221	221	26	254	14,358	1.54	1.54	1.77	841,993

Notes: A bus is defined as a motor vehicle (including school buses, intercity buses, and transit buses) designed to carry more than 10 passengers, not including the driver. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 24. Bus Injury Crash Statistics, 1989-2009

Year	Injury Crashes	Vehicles Involved	Persons Injured	Million Vehicle Miles Traveled	Injury Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in Injury Crashes per 100 Million Vehicle Miles Traveled	Persons Injured per 100 Million Vehicle Miles Traveled	Buses Registered
1989	14,000	14,000	26,000	5,670	241.3	250.2	465.6	625,040
1990	14,000	15,000	43,000	5,726	246.9	256.4	748.0	626,987
1991	15,000	15,000	34,000	5,750	256.5	263.4	583.3	631,279
1992	14,000	14,000	32,000	5,778	247.2	249.8	553.4	644,732
1993	14,000	14,000	29,000	6,125	227.6	229.9	479.5	654,432
1994	14,000	14,000	29,000	6,409	215.7	216.5	449.5	670,423
1995	14,000	14,000	32,000	6,420	224.6	225.0	505.5	685,503
1996	15,000	15,000	33,000	6,563	231.9	232.3	509.3	694,781
1997	12,000	13,000	27,000	6,842	181.8	183.8	399.1	697,548
1998	13,000	13,000	30,000	7,007	181.2	181.9	426.5	715,540
1999	14,000	14,000	36,000	7,662	187.2	188.2	464.6	728,777
2000	13,000	13,000	29,000	7,590	169.7	173.2	388.0	746,125
2001	11,000	12,000	25,000	7,070	162.7	163.2	360.2	749,548
2002	13,000	13,000	30,000	6,845	184.3	184.6	434.1	760,717
2003	14,000	14,000	31,000	6,782	202.3	203.9	454.0	776,550
2004	13,000	13,000	29,000	6,801	188.1	189.3	429.3	795,274
2005	12,000	12,000	23,000	6,980	175.0	175.6	335.9	807,053
2006	11,000	11,000	21,000	6,783	156.7	157.5	310.1	821,959
2007	11,000	11,000	24,000	14,516	73.3	73.7	164.4	834,436
2008	11,000	11,000	24,000	14,823	73.5	73.5	164.6	843,308
2009	9,000	10,000	20,000	14,358	65.0	69.4	140.5	841,993

Notes: “Persons Injured” includes all nonfatally injured persons in injury and fatal crashes. A bus is defined as a motor vehicle (including school buses, intercity buses, and transit buses) designed to carry more than 10 passengers, not including the driver. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 25. Bus Property Damage Only (PDO) Crash Statistics, 1989-2009

Year	PDO Crashes	Vehicles Involved	Million Vehicle Miles Traveled	PDO Crashes per 100 Million Vehicle Miles Traveled	Vehicles Involved in PDO Crashes per 100 Million Vehicle Miles Traveled	Buses Registered
1989	48,000	48,000	5,670	847.6	849.3	625,040
1990	46,000	46,000	5,726	803.1	808.2	626,987
1991	41,000	41,000	5,750	717.6	717.7	631,279
1992	35,000	35,000	5,778	608.1	608.1	644,732
1993	37,000	38,000	6,125	606.6	613.1	654,432
1994	42,000	42,000	6,409	651.3	657.3	670,423
1995	44,000	44,000	6,420	687.8	691.9	685,503
1996	42,000	42,000	6,563	634.5	642.9	694,781
1997	41,000	41,000	6,842	594.0	594.0	697,548
1998	40,000	40,000	7,007	576.6	577.4	715,540
1999	48,000	48,000	7,662	625.6	630.0	728,777
2000	42,000	43,000	7,590	558.5	562.0	746,125
2001	42,000	42,000	7,070	600.8	600.8	749,548
2002	45,000	45,000	6,845	658.5	658.5	760,717
2003	44,000	44,000	6,782	643.9	647.5	776,550
2004	39,000	39,000	6,801	574.6	576.6	795,274
2005	38,000	39,000	6,980	543.4	556.5	807,053
2006	41,000	41,000	6,783	598.9	598.9	821,959
2007	45,000	46,000	14,516	311.9	315.4	834,436
2008	48,000	49,000	14,823	325.6	329.2	843,308
2009	47,000	47,000	14,358	327.9	330.0	841,993

Notes: A bus is defined as a motor vehicle (including school buses, intercity buses, and transit buses) designed to carry more than 10 passengers, not including the driver. The Federal Highway Administration (FHWA) implemented an enhanced methodology for estimating registered vehicles and vehicle miles traveled by vehicle type for the years 2007-2009. As a result, involvement rates may differ, and in some cases significantly, from previously published rates.
Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 26. Fatal Crashes Involving Buses by Type of Bus, 1975-2009

Year	School	Cross-Country Intercity	Transit	Other	Unknown	Total
1975	129	29	128	18	19	**323**
1976	122	30	130	13	23	**318**
1977	126	33	123	14	25	**321**
1978	143	52	143	14	18	**370**
1979	150	37	120	21	16	**344**
1980	117	38	149	14	11	**329**
1981	109	48	150	20	13	**340**
1982	104	37	106	31	10	**288**
1983	99	41	105	38	22	**305**
1984	118	48	103	33	17	**319**
1985	126	29	116	33	33	**337**
1986	101	33	99	29	22	**284**
1987	132	29	115	46	31	**353**
1988	103	31	102	30	18	**284**
1989	108	32	119	25	25	**309**
1990	111	26	113	19	17	**286**
1991	105	39	86	25	16	**271**
1992	98	35	113	20	17	**283**
1993	112	28	82	20	20	**262**
1994	106	22	105	12	11	**256**
1995	109	23	101	23	15	**271**
1996	124	35	113	32	20	**324**
1997	116	36	109	15	19	**295**
1998	111	38	115	16	8	**288**
1999	137	35	106	18	17	**313**
2000	119	40	127	20	17	**323**
2001	117	38	103	16	15	**289**
2002	95	35	100	26	18	**274**
2003	111	26	104	29	18	**288**
2004	109	35	85	25	22	**276**
2005	110	37	83	34	14	**278**
2006	117	32	105	22	27	**303**
2007	109	35	113	15	8	**280**
2008	116	20	92	12	11	**251**
2009	89	38	77	9	8	**221**

Note: A bus is defined as a motor vehicle designed to carry more than 10 passengers, not including the driver.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 27. Buses in Fatal Crashes by Type of Bus, 1975-2009

Year	School	Cross-Country Intercity	Transit	Other	Unknown	Total
1975	130	29	131	18	19	**327**
1976	123	30	130	13	23	**319**
1977	126	33	123	14	25	**321**
1978	143	54	143	14	18	**372**
1979	150	37	123	21	16	**347**
1980	117	38	150	14	11	**330**
1981	110	48	150	20	14	**342**
1982	104	37	106	31	11	**289**
1983	99	41	105	40	22	**307**
1984	119	48	103	33	17	**320**
1985	126	29	116	33	33	**337**
1986	101	33	99	29	24	**286**
1987	132	29	115	46	31	**353**
1988	105	31	103	30	18	**287**
1989	109	32	120	25	25	**311**
1990	112	27	114	19	17	**289**
1991	106	39	86	26	17	**274**
1992	98	36	113	21	17	**285**
1993	112	28	82	21	20	**263**
1994	106	23	105	12	12	**258**
1995	109	23	101	23	15	**271**
1996	124	35	115	32	20	**326**
1997	117	37	109	15	19	**297**
1998	112	38	115	16	8	**289**
1999	139	38	106	19	17	**319**
2000	120	40	128	20	17	**325**
2001	119	38	104	16	15	**292**
2002	95	35	100	26	18	**274**
2003	113	26	104	30	18	**291**
2004	111	35	85	26	22	**279**
2005	111	38	83	34	14	**280**
2006	118	33	105	22	27	**305**
2007	109	35	113	16	8	**281**
2008	116	20	92	12	11	**251**
2009	89	38	77	9	8	**221**

Note: A bus is defined as a motor vehicle designed to carry more than 10 passengers, not including the driver.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 28. Fatalities in Bus Crashes by Type of Bus, 1975-2009

Year	School	Cross-Country Intercity	Transit	Other	Unknown	Total
1975	137	35	135	20	21	**348**
1976	147	35	133	49	26	**390**
1977	143	42	126	16	27	**354**
1978	163	62	153	14	20	**412**
1979	160	46	130	21	19	**376**
1980	136	66	156	17	15	**390**
1981	120	65	165	26	17	**393**
1982	106	45	122	39	11	**323**
1983	126	49	110	56	25	**366**
1984	144	55	110	46	19	**374**
1985	153	40	129	42	34	**398**
1986	110	37	103	57	30	**337**
1987	149	54	120	51	35	**409**
1988	140	37	112	34	18	**341**
1989	143	43	122	28	30	**366**
1990	128	39	124	25	24	**340**
1991	118	46	91	31	18	**304**
1992	105	45	121	22	23	**316**
1993	119	35	87	22	23	**286**
1994	116	25	116	14	15	**286**
1995	123	30	111	30	17	**311**
1996	144	43	123	34	23	**367**
1997	131	46	123	17	22	**339**
1998	118	50	127	25	9	**329**
1999	153	66	110	19	25	**373**
2000	133	48	134	20	22	**357**
2001	130	46	117	22	16	**331**
2002	110	54	112	33	22	**331**
2003	120	36	116	40	25	**337**
2004	116	57	86	32	24	**315**
2005	120	70	92	41	17	**340**
2006	138	39	106	23	31	**337**
2007	130	51	117	18	9	**325**
2008	129	52	102	14	14	**311**
2009	100	46	81	16	11	**254**

Note: A bus is defined as a motor vehicle designed to carry more than 10 passengers, not including the driver.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 29. Bus Occupant Fatalities in Bus Crashes by Type of Bus, 1975-2009

Year	School	Cross-Country Intercity	Transit	Other	Unknown	Total
1975	16	5	21	2	6	**50**
1976	21	3	8	39	2	**73**
1977	14	5	14	5	4	**42**
1978	19	6	8	5	3	**41**
1979	17	6	8	4	4	**39**
1980	14	23	7	2	1	**47**
1981	12	6	23	11	4	**56**
1982	9	5	11	10	0	**35**
1983	17	9	4	21	2	**53**
1984	20	9	9	7	1	**46**
1985	24	15	4	12	2	**57**
1986	2	4	4	24	5	**39**
1987	14	19	3	11	4	**51**
1988	38	8	2	4	2	**54**
1989	33	3	1	8	5	**50**
1990	13	2	3	3	11	**32**
1991	10	6	3	9	3	**31**
1992	7	8	3	3	7	**28**
1993	6	1	5	4	2	**18**
1994	2	7	6	1	2	**18**
1995	12	6	1	9	5	**33**
1996	10	3	5	3	0	**21**
1997	8	5	3	1	1	**18**
1998	6	13	2	15	2	**38**
1999	8	32	6	4	9	**59**
2000	16	3	1	1	1	**22**
2001	16	3	4	7	4	**34**
2002	2	20	6	9	8	**45**
2003	7	3	12	10	9	**41**
2004	7	23	2	10	0	**42**
2005	8	33	3	8	6	**58**
2006	6	8	1	8	4	**27**
2007	3	19	5	9	0	**36**
2008	14	38	6	5	4	**67**
2009	3	9	0	11	3	**26**

Note: A bus is defined as a motor vehicle designed to carry more than 10 passengers, not including the driver.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 30. Fatalities in Crashes Involving Large Trucks by State, 1999-2009

State	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Alabama	161	159	145	128	147	164	122	137	134	131	80
Alaska	5	4	10	8	5	14	5	4	4	5	3
Arizona	108	105	85	104	119	106	118	136	98	98	66
Arkansas	96	118	98	98	109	110	115	91	114	76	78
California	363	374	378	362	370	415	429	394	366	318	274
Colorado	71	68	95	53	77	69	68	67	82	68	40
Connecticut	21	34	29	18	24	25	21	29	28	24	13
Delaware	11	20	15	17	19	19	7	17	6	7	11
District of Columbia	2	2	1	0	0	5	3	2	2	1	1
Florida	349	310	365	376	365	377	400	350	301	264	181
Georgia	248	219	255	198	232	248	229	232	229	180	151
Hawaii	3	2	8	4	4	4	9	12	3	6	5
Idaho	31	26	34	32	40	29	34	29	27	30	20
Illinois	211	173	200	156	194	158	191	159	154	146	88
Indiana	205	163	135	131	156	157	138	140	147	137	96
Iowa	112	90	83	68	77	70	73	75	71	73	66
Kansas	96	81	80	79	71	94	80	69	77	63	59
Kentucky	94	101	107	122	119	124	124	105	104	113	112
Louisiana	131	126	123	114	130	105	122	104	121	111	83
Maine	25	30	28	22	14	21	19	21	21	23	22
Maryland	54	63	78	63	62	83	60	61	69	52	48
Massachusetts	37	51	30	24	35	43	24	34	28	23	22
Michigan	139	156	122	135	117	118	111	116	124	88	67
Minnesota	91	89	64	86	68	74	70	62	86	70	59
Mississippi	118	123	98	83	72	101	91	90	75	70	61
Missouri	178	183	139	154	167	158	166	155	136	124	86
Montana	19	26	27	26	27	16	23	34	31	25	24
Nebraska	59	56	68	59	56	49	48	34	43	43	43
Nevada	44	37	46	32	32	29	53	51	29	22	19
New Hampshire	11	10	14	15	13	15	11	7	12	13	8
New Jersey	60	94	77	72	75	86	98	74	64	47	69
New Mexico	66	52	59	61	50	63	63	80	57	45	36
New York	177	157	139	132	158	140	145	174	155	119	108
North Carolina	201	191	201	169	162	200	204	152	168	162	124
North Dakota	25	10	12	19	16	15	17	19	12	20	31
Ohio	215	189	168	203	151	190	177	158	134	143	114
Oklahoma	103	112	94	130	102	114	121	140	112	115	98
Oregon	49	52	64	55	65	53	66	62	53	37	30
Pennsylvania	227	184	185	174	224	189	183	193	194	192	134
Rhode Island	9	1	6	5	6	5	1	8	7	2	6
South Carolina	118	133	108	101	99	110	124	95	91	85	82
South Dakota	23	22	21	19	17	18	13	19	14	14	16
Tennessee	185	163	138	150	118	155	163	148	149	95	94
Texas	434	513	486	467	487	483	506	500	502	453	315
Utah	43	39	34	44	21	31	32	39	39	29	21
Vermont	11	9	7	10	10	15	9	11	5	7	6
Virginia	107	115	110	100	120	99	112	107	108	81	77
Washington	63	72	63	55	46	57	69	65	79	55	31
West Virginia	65	57	48	65	57	64	55	48	48	47	34
Wisconsin	81	97	108	109	101	107	87	76	85	63	57
Wyoming	25	21	23	32	30	41	31	42	24	30	11
U.S. Total	**5,380**	**5,282**	**5,111**	**4,939**	**5,036**	**5,235**	**5,240**	**5,027**	**4,822**	**4,245**	**3,380**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 31. Fatal Crashes Involving Large Trucks by State, 1999-2009

State	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Alabama	136	143	128	112	130	132	107	118	120	114	73
Alaska	5	4	10	4	5	13	4	4	4	5	3
Arizona	94	91	74	84	95	88	99	112	88	83	58
Arkansas	86	100	88	75	93	89	106	84	97	69	69
California	304	331	334	313	311	359	357	358	326	283	239
Colorado	60	60	75	47	58	60	62	60	67	53	35
Connecticut	19	31	26	17	23	25	18	26	22	23	13
Delaware	9	19	11	16	15	18	7	17	6	7	7
District of Columbia	2	2	1	0	0	5	3	2	2	1	1
Florida	294	279	303	320	314	322	341	309	259	237	170
Georgia	204	189	216	169	201	214	211	208	197	168	127
Hawaii	3	2	8	4	4	4	4	7	3	6	4
Idaho	25	25	30	28	37	28	27	24	24	26	18
Illinois	178	152	172	142	162	139	171	136	137	126	85
Indiana	167	138	120	110	142	139	125	120	125	114	82
Iowa	92	78	70	61	56	58	61	66	62	63	57
Kansas	78	70	73	70	62	76	67	61	69	53	50
Kentucky	86	85	91	104	108	110	108	93	95	93	101
Louisiana	111	108	111	95	107	94	107	90	104	97	68
Maine	23	24	23	21	13	18	17	18	19	20	20
Maryland	53	58	70	58	55	67	56	56	59	48	44
Massachusetts	35	45	27	22	34	39	22	32	27	21	20
Michigan	126	137	115	120	104	110	100	106	109	82	62
Minnesota	83	73	59	75	61	65	59	59	67	62	48
Mississippi	104	107	84	71	61	81	77	74	67	66	53
Missouri	144	145	118	137	140	132	142	120	120	107	79
Montana	15	24	25	20	21	14	22	25	29	24	21
Nebraska	52	48	55	47	46	39	39	27	37	38	40
Nevada	38	33	41	29	32	25	44	37	25	20	18
New Hampshire	9	10	13	14	12	13	11	7	10	12	7
New Jersey	56	79	71	63	69	82	93	67	60	44	60
New Mexico	43	42	45	45	37	52	50	62	53	40	33
New York	153	147	128	123	139	121	127	155	137	109	101
North Carolina	179	164	176	152	148	174	182	136	143	140	111
North Dakota	18	9	11	16	14	14	10	14	12	19	28
Ohio	183	166	156	182	134	160	158	141	116	129	101
Oklahoma	80	97	77	97	90	92	103	117	87	100	75
Oregon	41	51	52	44	49	46	59	47	46	35	27
Pennsylvania	187	164	159	157	188	165	170	169	179	174	120
Rhode Island	9	1	5	5	6	5	1	8	6	2	5
South Carolina	105	108	99	83	89	97	110	80	78	73	76
South Dakota	18	18	20	16	14	17	13	17	14	13	12
Tennessee	149	145	117	124	103	128	134	129	129	83	84
Texas	367	412	422	391	419	396	429	409	430	392	270
Utah	39	38	31	34	17	26	26	32	34	28	21
Vermont	8	8	6	10	10	12	8	10	4	6	6
Virginia	94	99	95	82	107	90	102	96	96	70	68
Washington	55	59	55	52	38	50	55	62	69	52	29
West Virginia	48	46	44	55	51	56	48	43	41	38	29
Wisconsin	72	91	91	85	86	90	76	70	74	59	48
Wyoming	21	18	20	23	25	29	23	30	20	27	11
U.S. Total	**4,560**	**4,573**	**4,451**	**4,224**	**4,335**	**4,478**	**4,551**	**4,350**	**4,204**	**3,754**	**2,987**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 32. Large Trucks Involved in Fatal Crashes by State, 1999-2009

State	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Alabama	144	153	144	123	148	135	118	126	127	124	81
Alaska	5	4	10	4	5	13	4	4	5	5	3
Arizona	108	100	79	88	102	102	107	129	95	100	67
Arkansas	92	109	102	78	101	93	129	97	110	76	79
California	319	362	365	346	333	381	377	384	394	304	262
Colorado	60	65	85	51	61	64	65	73	77	58	40
Connecticut	22	36	28	17	24	27	19	28	25	28	15
Delaware	10	21	11	17	15	19	7	18	6	7	7
District of Columbia	2	2	1	0	0	5	3	2	2	1	1
Florida	327	302	335	351	343	359	383	336	287	270	179
Georgia	220	208	230	203	208	233	240	227	212	180	133
Hawaii	3	2	8	4	4	4	4	7	3	6	4
Idaho	25	26	32	30	38	29	31	24	26	32	18
Illinois	193	163	180	159	178	151	196	158	148	138	90
Indiana	191	167	133	120	166	166	137	137	143	129	108
Iowa	99	84	76	67	62	60	65	73	70	69	64
Kansas	82	79	78	75	73	85	72	64	74	57	51
Kentucky	94	97	95	114	117	123	117	104	103	98	109
Louisiana	120	113	126	103	117	103	121	97	115	104	74
Maine	25	24	27	21	14	18	18	18	20	21	21
Maryland	57	67	76	61	63	76	57	60	63	49	51
Massachusetts	35	46	27	22	34	42	24	33	27	22	21
Michigan	132	147	123	123	110	121	106	113	115	90	64
Minnesota	86	77	60	78	62	67	61	60	74	62	50
Mississippi	111	118	85	72	67	84	80	81	70	70	54
Missouri	155	165	129	151	153	145	152	130	138	117	83
Montana	15	24	27	22	21	15	22	26	29	28	21
Nebraska	58	52	61	59	52	41	46	28	44	41	42
Nevada	41	36	44	33	36	28	48	43	25	21	19
New Hampshire	9	10	14	15	13	13	11	7	10	12	7
New Jersey	59	88	76	69	85	94	106	75	70	48	65
New Mexico	48	45	47	57	39	58	57	67	60	43	33
New York	159	153	134	131	147	128	137	163	145	113	102
North Carolina	190	173	186	166	160	184	193	148	151	143	115
North Dakota	18	11	11	18	14	14	10	17	13	21	28
Ohio	201	189	163	189	147	179	174	152	124	133	108
Oklahoma	82	107	84	108	104	97	111	134	96	108	82
Oregon	48	59	52	45	52	47	60	50	52	39	29
Pennsylvania	207	177	181	174	213	209	188	183	214	195	131
Rhode Island	9	1	5	5	6	5	1	9	6	2	5
South Carolina	124	120	106	91	96	102	119	90	81	81	78
South Dakota	18	22	22	16	14	17	15	17	14	13	12
Tennessee	168	157	129	130	113	141	150	144	147	92	88
Texas	385	447	460	414	448	436	457	450	465	432	296
Utah	41	39	33	38	18	26	28	32	36	32	25
Vermont	8	8	6	10	12	12	10	10	4	6	6
Virginia	107	112	115	89	122	97	106	105	103	74	75
Washington	59	64	56	53	39	52	58	68	71	54	30
West Virginia	50	48	48	57	55	61	49	45	45	46	29
Wisconsin	74	98	95	93	89	94	78	72	78	67	48
Wyoming	25	18	23	27	28	47	24	48	21	28	12
U.S. Total	**4,920**	**4,995**	**4,823**	**4,587**	**4,721**	**4,902**	**4,951**	**4,766**	**4,633**	**4,089**	**3,215**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 33. Single-Vehicle Fatal Crashes Involving Large Trucks by State, 1999-2009

State	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Alabama	23	25	19	17	16	18	10	17	17	18	15
Alaska	0	2	3	0	2	5	1	1	2	1	1
Arizona	13	21	17	16	16	19	15	22	22	15	18
Arkansas	13	28	19	18	18	16	22	20	24	13	14
California	82	74	83	67	59	71	70	72	73	56	48
Colorado	12	11	12	9	8	8	17	13	18	14	10
Connecticut	3	6	7	4	7	7	2	3	5	7	2
Delaware	2	1	2	2	0	2	3	2	0	0	3
District of Columbia	1	1	0	0	0	3	2	1	2	1	1
Florida	35	45	48	52	56	49	58	54	49	43	34
Georgia	32	32	38	26	39	39	30	34	33	34	32
Hawaii	0	0	5	2	2	0	0	1	0	3	1
Idaho	5	4	6	5	8	6	6	1	6	7	4
Illinois	27	23	34	26	22	20	35	23	23	21	9
Indiana	30	16	16	19	17	22	25	20	19	15	12
Iowa	7	9	8	5	6	12	5	8	11	12	9
Kansas	11	5	17	9	5	9	10	13	4	7	5
Kentucky	24	16	10	18	16	20	21	25	18	20	16
Louisiana	13	22	17	16	14	15	18	12	21	24	8
Maine	4	3	3	3	2	3	3	6	4	7	0
Maryland	13	7	9	7	6	13	11	8	13	7	9
Massachusetts	8	9	9	4	11	12	2	7	10	9	8
Michigan	17	18	12	10	14	14	10	19	8	10	13
Minnesota	12	10	11	10	8	11	10	11	4	13	10
Mississippi	13	26	14	11	8	16	13	17	13	13	10
Missouri	31	32	16	23	30	15	25	25	26	13	12
Montana	4	6	7	4	2	8	8	7	13	7	8
Nebraska	5	5	8	11	4	2	4	3	2	3	2
Nevada	13	9	11	4	12	2	10	5	6	3	7
New Hampshire	2	0	0	2	1	5	2	0	0	0	1
New Jersey	16	17	17	17	8	20	19	11	15	9	14
New Mexico	9	11	14	16	10	15	12	11	18	15	10
New York	57	44	37	31	49	35	53	53	47	40	32
North Carolina	29	30	31	33	21	34	31	18	30	33	18
North Dakota	0	1	2	2	1	0	3	2	2	4	5
Ohio	32	24	21	22	13	13	20	27	14	23	10
Oklahoma	15	16	12	20	16	18	21	24	18	17	20
Oregon	9	9	13	7	8	10	11	12	8	8	8
Pennsylvania	30	26	26	26	35	31	28	42	33	29	22
Rhode Island	2	0	0	0	2	0	0	3	2	0	1
South Carolina	9	14	16	9	20	19	19	12	15	20	15
South Dakota	6	4	3	4	3	4	1	5	4	1	3
Tennessee	29	28	24	17	20	16	25	23	31	13	22
Texas	58	57	66	62	81	60	84	79	78	77	54
Utah	11	11	8	8	3	10	8	8	10	5	7
Vermont	1	1	2	0	2	2	0	2	1	0	2
Virginia	18	15	18	20	15	20	27	21	15	17	13
Washington	8	10	9	11	5	8	11	12	21	15	9
West Virginia	10	13	13	11	7	10	10	9	6	7	8
Wisconsin	5	9	14	10	14	12	13	4	9	7	3
Wyoming	5	3	6	4	9	6	6	8	7	9	5
U.S. Total	**814**	**809**	**813**	**730**	**751**	**785**	**850**	**836**	**830**	**745**	**603**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 34. Multiple-Vehicle Fatal Crashes Involving Large Trucks by State, 1999-2009

State	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Alabama	113	118	109	95	114	114	97	101	103	96	58
Alaska	5	2	7	4	3	8	3	3	2	4	2
Arizona	81	70	57	68	79	69	84	90	66	68	40
Arkansas	73	72	69	57	75	73	84	64	73	56	55
California	222	257	249	246	252	288	287	286	253	227	191
Colorado	48	49	62	38	50	52	45	47	49	39	25
Connecticut	16	25	19	13	16	18	16	23	17	16	11
Delaware	7	18	9	14	15	16	4	15	6	7	4
District of Columbia	1	1	1	0	0	2	1	1	0	0	0
Florida	259	234	252	268	258	273	283	255	210	194	136
Georgia	172	157	178	143	162	175	181	174	164	134	95
Hawaii	3	2	3	2	2	4	4	6	3	3	3
Idaho	20	21	24	23	29	22	21	23	18	19	14
Illinois	151	129	137	116	140	119	136	113	114	105	76
Indiana	137	122	104	91	125	117	100	100	106	99	70
Iowa	85	69	62	56	50	46	56	58	51	51	48
Kansas	67	65	56	61	57	67	57	48	65	46	45
Kentucky	62	69	81	86	92	90	87	68	77	73	85
Louisiana	98	86	94	79	93	79	89	78	83	73	60
Maine	19	21	19	18	11	15	14	12	15	13	20
Maryland	40	51	61	51	49	54	45	48	46	41	35
Massachusetts	27	36	18	18	23	27	20	25	17	12	12
Michigan	109	119	103	110	90	96	90	87	101	72	49
Minnesota	71	63	48	65	53	54	49	48	63	49	38
Mississippi	91	81	70	60	53	65	64	57	54	53	43
Missouri	113	113	101	114	110	117	117	95	94	94	67
Montana	11	18	18	16	19	6	14	18	16	17	13
Nebraska	47	43	47	36	42	37	35	24	35	35	38
Nevada	25	24	30	25	20	23	34	32	19	17	11
New Hampshire	7	10	13	12	11	8	9	7	10	12	6
New Jersey	40	62	54	46	61	62	74	56	45	35	46
New Mexico	34	31	31	29	27	37	38	51	35	25	23
New York	96	103	91	92	90	86	74	102	90	69	69
North Carolina	150	134	145	119	127	140	151	118	113	107	93
North Dakota	18	8	9	14	13	14	7	12	10	15	23
Ohio	151	142	135	160	121	147	138	114	102	106	91
Oklahoma	65	81	65	77	74	74	82	93	69	83	55
Oregon	32	42	38	37	41	36	48	35	38	27	19
Pennsylvania	157	138	131	131	153	134	142	127	146	145	98
Rhode Island	7	1	5	5	4	5	1	5	4	2	4
South Carolina	96	94	82	74	69	78	91	68	63	53	61
South Dakota	12	14	17	12	11	13	12	12	10	12	9
Tennessee	120	117	93	107	83	112	109	106	98	70	62
Texas	309	355	355	329	338	336	345	330	352	315	216
Utah	28	27	23	26	14	16	18	24	24	23	14
Vermont	7	7	4	10	8	10	8	8	3	6	4
Virginia	76	84	76	62	92	70	75	75	81	53	55
Washington	47	49	45	41	33	42	44	50	48	37	20
West Virginia	38	33	30	44	44	46	38	34	35	31	21
Wisconsin	67	82	77	75	72	78	63	66	65	52	45
Wyoming	16	15	14	19	16	23	17	22	13	18	6
U.S. Total	**3,746**	**3,764**	**3,621**	**3,494**	**3,584**	**3,693**	**3,701**	**3,514**	**3,374**	**3,009**	**2,384**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Crashes

This chapter contains information on the circumstances of large truck crashes. Below is a summary of some of the information in this section:

- Of the 286,000 police-reported crashes involving large trucks in 2009, 2,987 (1 percent) resulted in at least one fatality, and 51,000 (18 percent) resulted in at least one nonfatal injury.
- Single-vehicle crashes made up 20 percent of all fatal crashes, 16 percent of all injury crashes, and 35 percent of all property damage only crashes involving large trucks.
- Almost two-thirds (64 percent) of all fatal crashes involving large trucks occurred on rural roads, and just over one-fourth (26 percent) occurred on rural and urban Interstate highways.
- Thirty-four percent of all fatal crashes and 20 percent of all property damage only crashes involving large trucks occurred at night.
- The vast majority of fatal crashes (84 percent) and nonfatal crashes (88 percent) involving large trucks occurred on weekdays (Monday through Friday).
- Collision with a vehicle in transport was the first harmful event in 75 percent of fatal crashes involving large trucks.
- Rollover was the first harmful event in only 4 percent of all fatal crashes involving large trucks and only 2 percent of all nonfatal crashes involving large trucks.

Table 35. Crashes Involving Large Trucks by First Harmful Event and Crash Severity, 2009

First Harmful Event	Single-Vehicle		Multiple-Vehicle		Total	
	Number	Percent	Number	Percent	Number	Percent
Fatal Crashes						
Collision with Vehicle in Transport	0	0.0%	2,227	93.4%	**2,227**	**74.6%**
Collision with Fixed Object	189	31.3%	63	2.6%	**252**	**8.4%**
Collision with Pedestrian	204	33.8%	23	1.0%	**227**	**7.6%**
Overturn (Rollover)	95	15.8%	34	1.4%	**129**	**4.3%**
Collision with Pedalcycle	54	9.0%	0	0.0%	**54**	**1.8%**
Collision with Parked Motor Vehicle	17	2.8%	7	0.3%	**24**	**0.8%**
Collision with Train	12	2.0%	0	0.0%	**12**	**0.4%**
Collision with Other Object	7	1.2%	8	0.3%	**15**	**0.5%**
Collision with Animal	3	0.5%	6	0.3%	**9**	**0.3%**
Explosion/Fire	0	0.0%	0	0.0%	**0**	**0.0%**
Other	14	2.3%	5	0.2%	**19**	**0.6%**
Unknown	8	1.3%	11	0.5%	**19**	**0.6%**
Total	**603**	**100.0%**	**2,384**	**100.0%**	**2,987**	**100.0%**
Injury Crashes						
Collision with Vehicle in Transport	*	*	42,000	96.3%	**42,000**	**81.9%**
Collision with Fixed Object	3,000	40.0%	1,000	2.6%	**4,000**	**8.1%**
Collision with Pedestrian	*	6.4%	*	*	**1,000**	**1.0%**
Overturn (Rollover)	3,000	37.6%	*	0.3%	**3,000**	**5.9%**
Collision with Pedalcycle	*	4.2%	*	*	*	**0.6%**
Collision with Parked Motor Vehicle	*	4.9%	*	0.1%	*	**0.8%**
Collision with Train	*	1.4%	*	*	*	*
Collision with Other Object	*	0.8%	*	0.2%	*	**0.3%**
Collision with Animal	*	1.5%	*	*	*	**0.2%**
Jackknife	*	0.5%	*	0.4%	*	**0.4%**
Explosion/Fire	*	*	*	*	*	*
Other	*	2.6%	*	*	*	**0.4%**
Total	**8,000**	**100.0%**	**44,000**	**100.0%**	**51,000**	**100.0%**
Property Damage Only Crashes						
Collision with Vehicle in Transport	*	*	147,000	97.8%	**147,000**	**63.5%**
Collision with Fixed Object	25,000	31.0%	2,000	1.3%	**27,000**	**11.7%**
Collision with Pedestrian	*	*	*	*	*	*
Overturn (Rollover)	3,000	3.7%	*	*	**3,000**	**1.4%**
Collision with Pedalcycle	*	*	*	*	*	*
Collision with Parked Motor Vehicle	41,000	49.8%	*	*	**41,000**	**17.5%**
Collision with Train	*	*	*	*	*	*
Collision with Other Object	2,000	2.4%	*	*	**2,000**	**0.8%**
Collision with Animal	7,000	8.2%	*	*	**7,000**	**2.9%**
Jackknife	1,000	1.4%	*	*	**1,000**	**0.5%**
Explosion/Fire	1,000	1.6%	*	*	**1,000**	**0.6%**
Other	1,000	1.8%	1,000	0.7%	**2,000**	**1.1%**
Total	**81,000**	**100.0%**	**151,000**	**100.0%**	**232,000**	**100.0%**

*Less than 500 or less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).
Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 36. Fatal Crashes Involving Large Trucks by Speed Limit, 2009

Speed Limit	Single-Vehicle Crashes		Multiple-Vehicle Crashes		Total	
	Number	Percent	Number	Percent	Number	Percent
25 mph or Less	39	6.5%	23	1.0%	**62**	**2.1%**
30 - 35 mph	80	13.3%	148	6.2%	**228**	**7.6%**
40 - 45 mph	87	14.4%	326	13.7%	**413**	**13.8%**
50 - 55 mph	171	28.4%	968	40.6%	**1,139**	**38.1%**
60 - 65 mph	121	20.1%	581	24.4%	**702**	**23.5%**
70 - 75 mph	86	14.3%	305	12.8%	**391**	**13.1%**
80 - 85 mph	0	0.0%	2	0.1%	**2**	**0.1%**
No Statutory Limit	1	0.2%	2	0.1%	**3**	**0.1%**
Unknown	18	3.0%	29	1.2%	**47**	**1.6%**
Total	**603**	**100.0%**	**2,384**	**100.0%**	**2,987**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 37. Fatal Crashes Involving Large Trucks by Roadway Function Class, 2009

Rural			Urban		
Roadway Function Class	Number	Percent	Roadway Function Class	Number	Percent
Interstate	426	14.3%	Interstate	345	11.6%
Other Principal Arterial	656	22.0%	Freeway/Expressway	110	3.7%
Minor Arterial	358	12.0%	Other Principal Arterial	276	9.2%
Major Collector	298	10.0%	Minor Arterial	153	5.1%
Minor Collector	51	1.7%	Collector	64	2.1%
Local Road	129	4.3%	Local Road	98	3.3%
Unknown	4	0.1%	Unknown	3	0.1%
Total Rural	**1,922**	**64.3%**	**Total Urban**	**1,049**	**35.1%**
Unknown Rural or Urban	16	0.5%	**Total Fatal Crashes**	**2,987**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 38. Crashes Involving Large Trucks by Time of Day and Crash Severity, 2009

Time of Day	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
12am - 3am	245	8.2%	3,000	5.1%	10,000	4.3%
3am - 6am	270	9.0%	2,000	4.3%	7,000	3.2%
6am - 9am	438	14.7%	9,000	16.9%	37,000	15.8%
9am - 12pm	497	16.6%	11,000	20.7%	51,000	22.2%
12pm - 3pm	541	18.1%	11,000	21.9%	59,000	25.4%
3pm - 6pm	482	16.1%	9,000	18.2%	38,000	16.5%
6pm - 9pm	283	9.5%	4,000	8.5%	19,000	8.3%
9pm - 12am	223	7.5%	2,000	4.5%	10,000	4.4%
Unknown	8	0.3%	—	—	—	—
Daytime (6am - 6pm)	*1,958*	*65.6%*	*40,000*	*77.7%*	*185,000*	*79.8%*
Nighttime (6pm - 6am)	*1,029*	*34.4%*	*11,000*	*22.3%*	*47,000*	*20.2%*
Total	**2,987**	**100.0%**	**51,000**	**100.0%**	**232,000**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 39. Crashes Involving Large Trucks by Day of Week and Crash Severity, 2009

Day of Week	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Sunday	208	7.0%	2,000	4.0%	11,000	4.7%
Monday	505	16.9%	8,000	15.4%	38,000	16.5%
Tuesday	552	18.5%	9,000	17.3%	45,000	19.4%
Wednesday	467	15.6%	11,000	21.9%	43,000	18.5%
Thursday	508	17.0%	8,000	16.1%	38,000	16.6%
Friday	474	15.9%	9,000	17.5%	39,000	17.0%
Saturday	273	9.1%	4,000	7.8%	17,000	7.3%
Total	**2,987**	**100.0%**	**51,000**	**100.0%**	**232,000**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 40. Crashes Involving Large Trucks by Trafficway Flow and Crash Severity, 2009

Trafficway Flow	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Not Physically Divided	1,587	53.1%	21,000	40.1%	98,000	42.3%
Not Physically Divided, with Two-Way Continuous Left Lane	78	2.6%	1,000	2.9%	5,000	2.3%
Divided Median, No Barrier	730	24.4%	22,000	42.9%	65,000	28.2%
Divided Median, With Barrier	521	17.4%				
One-Way Traffic	57	1.9%	1,000	2.4%	10,000	4.3%
Unknown	14	0.5%	6,000	11.8%	53,000	22.9%
Total	**2,987**	**100.0%**	**51,000**	**100.0%**	**232,000**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 41. Crashes Involving Large Trucks by Relation to Junction and Crash Severity, 2009

Relation to Junction	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Non-Interchange						
Non-Junction	1,970	66.0%	24,000	47.0%	121,000	51.9%
Intersection	649	21.7%	11,000	20.5%	23,000	10.1%
Intersection Related	109	3.6%	8,000	15.5%	46,000	19.6%
Driveway, Alley Access	33	1.1%	4,000	7.5%	19,000	8.0%
Driveway Access Related	51	1.7%	—	—	—	—
Entrance/Exit Ramp Related	17	0.6%	*	0.3%	1,000	0.5%
Rail Grade Crossing	15	0.5%	*	0.7%	*	*
On Bridge	0	0.0%	1,000	1.3%	6,000	2.6%
In Crossover	6	0.2%	*	0.2%	*	0.1%
Other	0	0.0%	*	0.7%	2,000	0.7%
Unknown	3	0.1%	—	—	—	—
Subtotal	*2,853*	*95.5%*	*48,000*	*93.7%*	*217,000*	*93.5%*
Interchange Area						
Non-Junction	0	0.0%	1,000	1.1%	3,000	1.2%
Intersection	27	0.9%	*	0.5%	1,000	0.4%
Intersection Related	17	0.6%	*	0.3%	1,000	0.4%
Driveway, Alley Access	1	*	*	*	*	*
Entrance/Exit Ramp Related	32	1.1%	2,000	4.3%	10,000	4.5%
On Bridge	0	0.0%	*	*	*	*
In Crossover	0	0.0%	*	*	*	*
Other	56	1.9%	*	*	*	0.1%
Unknown	1	*	—	—	—	—
Subtotal	*134*	*4.5%*	*3,000*	*6.3%*	*15,000*	*6.5%*
Unknown Relation to Junction	0	0.0%	—	—	—	—
Total	**2,987**	**100.0%**	**51,000**	**100.0%**	**232,000**	**100.0%**

*Less than 500 or less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 42. Crashes Involving Large Trucks by Relation to Roadway and Crash Severity, 2009

Relation to Roadway	Single-Vehicle		Multiple-Vehicle		Total	
	Number	Percent	Number	Percent	Number	Percent
Fatal Crashes						
On Roadway	303	50.2%	2,256	94.6%	**2,559**	**85.7%**
Shoulder	82	13.6%	45	1.9%	**127**	**4.3%**
Median	24	4.0%	35	1.5%	**59**	**2.0%**
Roadside	142	23.5%	34	1.4%	**176**	**5.9%**
Outside Trafficway	17	2.8%	4	0.2%	**21**	**0.7%**
Off Roadway, Location Unknown	25	4.1%	5	0.2%	**30**	**1.0%**
In Parking Lane	1	0.2%	1	*	**2**	**0.1%**
Gore	4	0.7%	2	0.1%	**6**	**0.2%**
Separator	2	0.3%	1	*	**3**	**0.1%**
Two-Way Continuous Left-Turn Lane	1	0.2%	1	*	**2**	**0.1%**
Unknown	2	0.3%	0	0.0%	**2**	**0.1%**
Total	**603**	**100.0%**	**2,384**	**100.0%**	2,987	100.0%
Injury Crashes						
On Roadway	3,000	35.5%	42,000	97.0%	**45,000**	**87.8%**
Shoulder	*	2.0%	*	*	*	**0.3%**
Median	1,000	8.4%	1,000	1.3%	**1,000**	**2.4%**
Roadside	3,000	43.0%	*	0.9%	**4,000**	**7.2%**
Outside Trafficway	*	3.0%	*	*	*	**0.5%**
Off Roadway, Location Unknown	*	5.2%	*	*	*	**0.8%**
In Parking Lane	*	0.4%	*	*	*	**0.1%**
Gore	*	1.1%	*	*	*	**0.2%**
Separator	*	*	*	*	*	*
Two-Way Continuous Left-Turn Lane	*	*	*	*	*	*
Unknown	*	1.6%	*	*	*	**0.2%**
Total	**8,000**	**100.0%**	**44,000**	**100.0%**	51,000	100.0%
Property Damage Only Crashes						
On Roadway	17,000	20.7%	149,000	98.7%	**166,000**	**71.3%**
Shoulder	3,000	3.1%	*	0.3%	**3,000**	**1.3%**
Median	2,000	2.7%	1,000	0.4%	**3,000**	**1.3%**
Roadside	19,000	23.8%	*	0.1%	**20,000**	**8.4%**
Outside Trafficway	1,000	1.7%	*	*	**1,000**	**0.6%**
Off Roadway, Location Unknown	7,000	8.6%	*	*	**7,000**	**3.0%**
In Parking Lane	24,000	29.5%	*	0.2%	**24,000**	**10.5%**
Gore	1,000	0.8%	*	*	**1,000**	**0.3%**
Separator	*	*	*	*	*	*
Two-Way Continuous Left-Turn Lane	*	*	*	*	*	*
Unknown	7,000	8.9%	*	0.2%	**8,000**	**3.3%**
Total	**81,000**	**100.0%**	**151,000**	**100.0%**	232,000	100.0%

*Less than 500 or less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).
Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 43. Crashes Involving Large Trucks by Weather Conditions and Crash Severity, 2009

Weather Conditions	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Normal	2,565	85.9%	43,000	84.2%	198,000	85.3%
Rain	231	7.7%	5,000	9.9%	20,000	8.6%
Sleet, Hail	18	0.6%	*	0.4%	2,000	0.7%
Snow, Blowing Snow	93	3.1%	2,000	3.3%	7,000	2.9%
Fog, Smog, Smoke, Wind, Blowing Sand, Soil, Dirt, Other	74	2.5%	1,000	2.2%	6,000	2.5%
Unknown	6	0.2%	*	*	*	*
Total	**2,987**	**100.0%**	**51,000**	**100.0%**	**232,000**	**100.0%**

*Less than 500 or less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 44. Crashes Involving Large Trucks by Road Surface Conditions and Crash Severity, 2009

Road Surface Condition	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Dry	2,443	81.8%	39,000	75.9%	177,000	76.2%
Wet	381	12.8%	9,000	17.8%	35,000	15.1%
Snow or Slush	76	2.5%	2,000	3.7%	10,000	4.3%
Ice/Frost	72	2.4%	1,000	2.3%	8,000	3.6%
Sand, Dirt, Oil	4	0.1%	*	0.1%	*	*
Water (Standing, Moving)	1	*	*	*	*	*
Other	3	0.1%	*	0.1%	2,000	0.7%
Unknown	7	0.2%	—	—	—	—
Total	**2,987**	**100.0%**	**51,000**	**100.0%**	**232,000**	**100.0%**

*Less than 500 or less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 45. Crashes Involving Large Trucks by Light Conditions and Crash Severity, 2009

Light Conditions	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Daylight	1,880	62.9%	38,000	74.7%	182,000	78.3%
Dark, Not Lighted	678	22.7%	5,000	10.6%	20,000	8.7%
Dark But Lighted	272	9.1%	5,000	10.6%	24,000	10.2%
Dark, Unknown Lighting	30	1.0%	*	0.1%	*	0.2%
Dawn	82	2.7%	1,000	2.1%	4,000	1.6%
Dusk	43	1.4%	1,000	1.8%	2,000	1.0%
Other	0	0.0%	*	*	*	*
Unknown	2	0.1%	—	—	—	—
Total	**2,987**	**100.0%**	**51,000**	**100.0%**	**232,000**	**100.0%**

*Less than 500 or less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 46. Crashes Involving Large Trucks by Construction/Maintenance Zone and Crash Severity, 2009

Work Zone	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Yes	127	4.3%	1,000	2.0%	6,000	2.4%
No	2,860	95.7%	50,000	98.0%	227,000	97.6%
Total	**2,987**	**100.0%**	**51,000**	**100.0%**	**232,000**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Vehicles

This chapter presents information on large trucks involved in fatal, injury, and property damage only crashes. Some of the data in this chapter come from the MCMIS Crash File, which contains data on trucks and buses in crashes that meet the SAFETYNET recommended threshold. MCMIS data are used for the tables on crashes by vehicle configuration (Table 47), cargo body type (Table 48), gross vehicle weight rating (Table 49), hazardous materials cargo (Table 50), and hazardous materials released (Table 51). SAFETYNET nonfatal crashes tend to be more serious than GES nonfatal crashes, because the SAFETYNET threshold requires at least one injury involving immediate medical attention away from the crash scene, or at least one vehicle disabled as a result of the crash and transported away from the crash scene. In this year's report, two new tables focus on vehicle-related crash factors for large trucks and passenger vehicles. Below is a summary of some of the vehicle information in this section:

- In 2009, 3,215 large trucks were involved in fatal crashes, 53,000 were involved in injury crashes, and 239,000 were involved in property damage only crashes.
- Large trucks made up 7 percent of all vehicles in fatal crashes, 2 percent of all vehicles in injury crashes, and 3 percent of all vehicles in property damage only crashes.
- Hazardous materials (HM) placards were present on 3 percent of the large trucks involved in fatal crashes and 2 percent of those in nonfatal crashes. HM was released from the cargo compartments of 11 percent of the placarded trucks.
- "Collision with vehicle in transport" was recorded as the most harmful event for 75 percent of the large trucks involved in fatal crashes.
- Singles (truck tractors pulling a single semi-trailer) accounted for 61 percent of the large trucks involved in fatal crashes. Doubles (tractors pulling two trailers) made up 3 percent of the large trucks involved in fatal crashes. Triples (tractors pulling three trailers) accounted for less than 0.1 percent of all large trucks involved in fatal crashes in 2009.
- Vehicle-related crash factors were coded for 5 percent of the large trucks involved in fatal crashes and 4 percent of the passenger vehicles involved in fatal crashes. Brake systems and tires were the two vehicle-related factors most often coded for both vehicle types.

Table 47. Large Trucks in Crashes by Vehicle Configuration, 2009

Vehicle Configuration	Fatal		Injury		Towaway	
	Number	Percent	Number	Percent	Number	Percent
Single-Unit, 2 Axles	518	16.1%	8,064	18.8%	11,691	18.1%
Single-Unit, 3+ Axles	325	10.1%	5,708	13.3%	7,326	11.3%
Single-Unit, Axles Unknown	108	3.4%	—	—	—	—
Truck/Trailer(s)	86	2.7%	4,305	10.1%	7,651	11.8%
Truck Tractor (Bobtail)	54	1.7%	1,498	3.5%	2,111	3.3%
Tractor/Semi-trailer	1,950	60.7%	19,840	46.4%	30,554	47.2%
Tractor/Double	86	2.7%	941	2.2%	1,818	2.8%
Tractor/Triple	3	0.1%	40	0.1%	58	0.1%
Light Truck (HM Placard)	—	—	28	0.1%	13	*
Unknown	85	2.6%	2,185	5.1%	3,258	5.0%
Missing	—	—	188	0.4%	205	0.3%
Total	**3,215**	**100.0%**	**42,797**	**100.0%**	**64,685**	**100.0%**

*Less than 0.05 percent.
Notes: For fatal crashes, a large truck is defined as a truck with a gross vehicle weight rating (GVWR) of more than 10,000 pounds. For injury and towaway crashes, a large truck is defined here as a truck, used for commercial purposes, with a gross vehicle weight rating (GVWR) or gross combination weight rating greater than 10,000 pounds. Injury crashes are defined here as crashes that resulted in at least one injury involving immediate medical attention away from the crash scene. (Note that this definition of an injury crash is not the same as that used in the GES injury estimates presented in other tables of this report.) Towaway crashes are defined here as crashes in which at least one vehicle was disabled as a result of the crash and transported away from the crash scene.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Injury and Towaway Crashes: Federal Motor Carrier Safety Administration, MCMIS Crash File.

Table 48. Large Trucks in Crashes by Cargo Body Type, 2009

Cargo Body Type	Fatal		Injury		Towaway	
	Number	Percent	Number	Percent	Number	Percent
Van/Enclosed Box	1,505	46.8%	17,172	40.1%	28,513	44.1%
Cargo Tank	277	8.6%	2,763	6.5%	3,682	5.7%
Flatbed	356	11.1%	4,782	11.2%	7,397	11.4%
Dump	264	8.2%	3,667	8.6%	5,030	7.8%
Concrete Mixer	24	0.7%	349	0.8%	420	0.6%
Auto Transporter	27	0.8%	442	1.0%	776	1.2%
Garbage/Refuse	84	2.6%	1,226	2.9%	1,671	2.6%
Grain, Gravel, etc.	94	2.9%	936	2.2%	1,275	2.0%
Pole	21	0.7%	295	0.7%	330	0.5%
Log	32	1.0%	277	0.6%	243	0.4%
Intermodal Container Chassis	5	0.2%	137	0.3%	179	0.3%
Vehicle Towing Another Vehicle	7	0.2%	43	0.1%	91	0.1%
No Cargo Body	161	5.0%	—	—	—	—
Other Large Truck	164	5.1%	6,247	14.6%	9,827	15.2%
Unknown Large Truck	180	5.6%	6	*	1	*
Not Applicable	3	0.1%	3,151	7.4%	3,987	6.2%
Unknown	11	0.3%	1,304	3.0%	1,263	2.0%
Total	**3,215**	**100.0%**	**42,797**	**100.0%**	**64,685**	**100.0%**

*Less than 0.05 percent.
Notes: For fatal crashes, a large truck is defined as a truck with a gross vehicle weight rating (GVWR) of more than 10,000 pounds. For injury and towaway crashes, a large truck is defined here as a truck, used for commercial purposes, with a gross vehicle weight rating (GVWR) or gross combination weight rating greater than 10,000 pounds. Injury crashes are defined here as crashes that resulted in at least one injury involving immediate medical attention away from the crash scene. (Note that this definition of an injury crash is not the same as that used in the GES injury estimates presented in other tables of this report.) Towaway crashes are defined here as crashes in which at least one vehicle was disabled as a result of the crash and transported away from the crash scene.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).
Injury and Towaway Crashes: Federal Motor Carrier Safety Administration, MCMIS Crash File.

Table 49. Large Trucks in Crashes by Gross Vehicle Weight Rating, 2009

Gross Vehicle Weight Rating	Fatal		Injury		Towaway	
	Number	Percent	Number	Percent	Number	Percent
≤10,000 lbs	0	0.0%	327	0.8%	531	0.8%
10,001 - 26,000 lbs	478	14.9%	9,137	21.3%	13,094	20.2%
≥26,001 lbs	2,718	84.5%	32,924	76.9%	50,417	77.9%
Missing	0	0.0%	409	1.0%	643	1.0%
Unknown	19	0.6%	—	—	—	—
Total	**3,215**	**100.0%**	**42,797**	**100.0%**	**64,685**	**100.0%**

Notes: For fatal crashes, a large truck is defined as a truck with a gross vehicle weight rating (GVWR) of more than 10,000 pounds. For injury and towaway crashes, a large truck is defined here as a truck, used for commercial purposes, with a gross vehicle weight rating (GVWR) or gross combination weight rating greater than 10,000 pounds. Injury crashes are defined here as crashes that resulted in at least one injury involving immediate medical attention away from the crash scene. (Note that this definition of an injury crash is not the same as that used in the GES injury estimates presented in other tables of this report.) Towaway crashes are defined here as crashes in which at least one vehicle was disabled as a result of the crash and transported away from the crash scene.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).
Injury and Towaway Crashes: Federal Motor Carrier Safety Administration, MCMIS Crash File.

Table 50. Large Trucks in Crashes by Hazardous Materials (HM) Cargo, 2009

HM Cargo	Fatal		Injury		Towaway	
	Number	Percent	Number	Percent	Number	Percent
Yes	108	3.4%	1,015	2.4%	1,349	2.1%
No	3,107	96.6%	27,530	64.3%	37,802	58.4%
Unknown	0	0.0%	14,252	33.3%	25,534	39.5%
Total	**3,215**	**100.0%**	**42,797**	**100.0%**	**64,685**	**100.0%**

Notes: For fatal crashes, a large truck is defined as a truck with a gross vehicle weight rating (GVWR) of more than 10,000 pounds. For injury and towaway crashes, a large truck is defined here as a truck, used for commercial purposes, with a gross vehicle weight rating (GVWR) or gross combination weight rating greater than 10,000 pounds. Injury crashes are defined here as crashes that resulted in at least one injury involving immediate medical attention away from the crash scene. (Note that this definition of an injury crash is not the same as that used in the GES injury estimates presented in other tables of this report.) Towaway crashes are defined here as crashes in which at least one vehicle was disabled as a result of the crash and transported away from the crash scene.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Injury and Towaway Crashes: Federal Motor Carrier Safety Administration, MCMIS Crash File.

Table 51. Large Trucks in Crashes by Hazardous Materials (HM) Cargo Type and HM Release, 2009

HM Cargo Type	HM Release							
	Yes		No		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Fatal Crashes								
Explosives	3	9.1%	1	1.7%	0	0.0%	**4**	**3.7%**
Gases	6	18.2%	15	25.9%	0	0.0%	**21**	**19.4%**
Flammable Liquids	16	48.5%	26	44.8%	1	5.9%	**43**	**39.8%**
Flammable Solids	1	3.0%	0	0.0%	0	0.0%	**1**	**0.9%**
Oxidizing Substances	0	0.0%	1	1.7%	0	0.0%	**1**	**0.9%**
Poisonous and Infectious Substances	0	0.0%	0	0.0%	0	0.0%	**0**	**0.0%**
Radioactive	0	0.0%	0	0.0%	0	0.0%	**0**	**0.0%**
Corrosives	3	9.1%	2	3.4%	0	0.0%	**5**	**4.6%**
Miscellaneous Dangerous Goods	0	0.0%	2	3.4%	0	0.0%	**2**	**1.9%**
Unknown	4	12.1%	11	19.0%	16	94.1%	**31**	**28.7%**
Total	**33**	**100.0%**	**58**	**100.0%**	**17**	**100.0%**	**108**	**100.0%**
Nonfatal Crashes								
Explosives	7	2.8%	46	2.8%	24	4.9%	**77**	**3.3%**
Gases	30	12.1%	284	17.5%	61	12.4%	**375**	**15.9%**
Flammable Liquids	110	44.5%	663	40.7%	190	38.8%	**963**	**40.7%**
Flammable Solids	1	0.4%	13	0.8%	3	0.6%	**17**	**0.7%**
Oxidizing Substances	4	1.6%	24	1.5%	2	0.4%	**30**	**1.3%**
Poisonous and Infectious Substances	1	0.4%	12	0.7%	5	1.0%	**18**	**0.8%**
Radioactive	0	0.0%	4	0.2%	3	0.6%	**7**	**0.3%**
Corrosives	20	8.1%	121	7.4%	23	4.7%	**164**	**6.9%**
Miscellaneous Dangerous Goods	33	13.4%	143	8.8%	23	4.7%	**199**	**8.4%**
Unknown	41	16.6%	317	19.5%	156	31.8%	**514**	**21.7%**
Total	**247**	**100.0%**	**1,627**	**100.0%**	**490**	**100.0%**	**2,364**	**100.0%**

Note: For fatal crashes, a large truck is defined as a truck with a gross vehicle weight rating (GVWR) of more than 10,000 pounds. For injury and towaway crashes, a large truck is defined here as a truck, used for commercial purposes, with a gross vehicle weight rating (GVWR) or gross combination weight rating greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS). Nonfatal Crashes: Federal Motor Carrier Safety Administration, MCMIS Crash File.

Table 52. Large Trucks in Crashes by Initial Point of Impact, 2009

Initial Point of Impact	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Front	1,893	58.9%	23,000	42.3%	73,000	30.4%
Rear	569	17.7%	9,000	16.9%	40,000	16.5%
Left	315	9.8%	9,000	16.6%	44,000	18.6%
Right	223	6.9%	8,000	15.5%	63,000	26.4%
Non-Collision	84	2.6%	3,000	6.4%	8,000	3.4%
Other	82	2.6%	1,000	2.3%	11,000	4.8%
Unknown	49	1.5%	—	—	—	—
Total	**3,215**	**100.0%**	**53,000**	**100.0%**	**239,000**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).
Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 53. Large Trucks in Crashes by Most Harmful Event for the Large Truck, 2009

Most Harmful Event	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Collision with Vehicle in Transport	2,417	75.2%	45,000	83.6%	155,000	65.0%
Collision with Fixed Object	118	3.7%	3,000	5.1%	26,000	10.8%
Collision with Pedestrian	248	7.7%	1,000	0.9%	*	*
Overturn (Rollover)	214	6.7%	4,000	7.7%	4,000	1.7%
Collision with Pedalcycle	56	1.7%	*	0.6%	*	*
Collision with Parked Motor Vehicle	13	0.4%	*	0.8%	41,000	17.0%
Collision with Train	12	0.4%	*	0.2%	*	*
Collision with Other Object	11	0.3%	*	0.2%	2,000	0.7%
Collision with Animal	4	0.1%	*	0.2%	7,000	2.8%
Jackknife	4	0.1%	*	0.2%	1,000	0.5%
Explosion/Fire	92	2.9%	*	*	1,000	0.6%
Cargo/Equipment Loss or Shift	5	0.2%	—	—	—	—
Other	20	0.6%	*	0.4%	2,000	1.0%
Unknown	1	*	—	—	—	—
Total	**3,215**	**100.0%**	**53,000**	**100.0%**	**239,000**	**100.0%**

*Less than 500 or less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).
Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 54. Large Trucks in Crashes by Jackknife Occurrence, 2009

Jackknife	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Yes	146	4.5%	1,000	1.4%	3,000	1.4%
No	3,069	95.5%	53,000	98.6%	236,000	98.6%
Total	**3,215**	**100.0%**	**53,000**	**100.0%**	**239,000**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).
Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 55. Large Trucks in Crashes with Passenger Vehicles by Crash Type and Severity, 2009

Crash Type	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Large Truck Rear-Ending Passenger Vehicle	73	4.3%	6,000	18.0%	16,000	11.8%
Passenger Vehicle Rear-Ending Large Truck	290	17.0%	7,000	20.4%	13,000	10.1%
Large Truck Crossing Center Median (Head-On)	50	2.9%	2,000	5.9%	2,000	1.7%
Passenger Vehicle Crossing Center Median (Head-On)	288	16.9%	*	0.7%	1,000	0.4%
Large Truck Striking Passenger Vehicle (Other)	504	29.5%	9,000	25.2%	55,000	41.6%
Passenger Vehicle Striking Large Truck (Other)	419	24.5%	9,000	26.2%	36,000	27.1%
Other Collision	85	5.0%	1,000	3.4%	10,000	7.2%
Total	**1,709**	**100.0%**	**34,000**	**100.0%**	**133,000**	**100.0%**

*Less than 500.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).
Injury and Property Damage Only Crashes: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 56. Large Trucks in Fatal Crashes with Passenger Vehicles by Crash Type and Driver-Related Factors Recorded, 2009

Crash Type	Fatal Crashes	Crashes with Driver-Related Factors Recorded			
		For Large Truck		For Passenger Vehicle	
		Number	Percent	Number	Percent
Large Truck Rear-Ending Passenger Vehicle	73	36	49.3%	33	45.2%
Passenger Vehicle Rear-Ending Large Truck	290	49	16.9%	224	77.2%
Large Truck Crossing Center Median (Head-On)	50	29	58.0%	23	46.0%
Passenger Vehicle Crossing Center Median (Head-On)	288	18	6.3%	276	95.8%
Large Truck Striking Passenger Vehicle (Other)	504	123	24.4%	403	80.0%
Passenger Vehicle Striking Large Truck (Other)	419	99	23.6%	345	82.3%
Other Collision	85	22	25.9%	72	84.7%
Total	**1,709**	**376**	**22.0%**	**1,376**	**80.5%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 57. Large Trucks in Fatal Crashes by Vehicle-Related Factors and Violations Recorded, 2009

Vehicle-Related Factors	Single-Vehicle Crashes		Multiple-Vehicle Crashes		Total	
	Number	Percent	Number	Percent	Number	Percent
Brake system	20	3.3%	23	0.9%	**43**	**1.3%**
Tires	15	2.5%	24	0.9%	**39**	**1.2%**
Wheels	2	0.3%	1	*	**3**	**0.1%**
Steering system (tie rod, kingpin, ball joint, etc.)	0	0.0%	2	0.1%	**2**	**0.1%**
Suspension (springs, shock absorbers, etc.)	1	0.2%	1	*	**2**	**0.1%**
Signal lights	0	0.0%	2	0.1%	**2**	**0.1%**
Driver seating and control	1	0.2%	1	*	**2**	**0.1%**
Trailer hitch	1	0.2%	1	*	**2**	**0.1%**
Power train/engine (universal joint, drive shaft, transmission, etc.)	0	0.0%	1	*	**1**	*
Safety belts	0	0.0%	1	*	**1**	*
Vehicle-Related Factor(s) Recorded	50	8.3%	82	3.1%	**132**	**4.1%**
No Vehicle-Related Factors Recorded	553	91.7%	2,530	96.9%	**3,083**	**95.9%**
Total	**603**	**100.0%**	**2,612**	**100.0%**	**3,215**	**100.0%**
Moving Violation(s) Recorded	37	6.1%	192	7.4%	**229**	**7.1%**
No Moving Violations Recorded	566	93.9%	2,420	92.6%	**2,986**	**92.9%**
Total	**603**	**100.0%**	**2,612**	**100.0%**	**3,215**	**100.0%**

*Less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 58. Passenger Vehicles in Fatal Crashes by Vehicle-Related Factors and Violations Recorded, 2009

Vehicle-Related Factors	Single-Vehicle Crashes		Multiple-Vehicle Crashes		Total	
	Number	Percent	Number	Percent	Number	Percent
Tires	299	2.0%	131	0.6%	**430**	**1.2%**
Brake system	24	0.2%	20	0.1%	**44**	**0.1%**
Headlights	8	0.1%	9	*	**17**	*
Suspension (springs, shock absorbers, etc.)	8	0.1%	7	*	**15**	*
Steering System (tie rod, kingpin, ball joint, etc.)	6	*	3	*	**9**	*
Power train/engine (universal joint, drive shaft, transmission, etc.)	2	*	5	*	**7**	*
Safety belts	5	*	2	*	**7**	*
Trailer hitch	3	*	3	*	**6**	*
Adaptive equipment	2	*	3	*	**5**	*
Signal lights	1	*	1	*	**2**	*
Vehicle-Related Factor(s) Recorded	609	4.0%	599	2.9%	**1,208**	**3.3%**
No Vehicle-Related Factors Recorded	14,713	96.0%	20,331	97.1%	**35,044**	**96.7%**
Total	**15,322**	**100.0%**	**20,930**	**100.0%**	**36,252**	**100.0%**
Moving Violation(s) Recorded	1,794	11.7%	2,717	13.0%	**4,511**	**12.4%**
No Moving Violations Recorded	13,528	88.3%	18,213	87.0%	**31,741**	**87.6%**
Total	**15,322**	**100.0%**	**20,930**	**100.0%**	**36,252**	**100.0%**

*Less than 0.05 percent.
Note: A passenger vehicle is defined here as a car, light truck (including pickups, vans, and sport utility vehicles), or motorcycle.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

People

This chapter contains information on drivers of large trucks in fatal, injury, and property damage only crashes and on people killed or injured in large truck crashes. Some statistics are also listed for passenger vehicle drivers in order to make comparisons. It is important to note that the number of large truck drivers in crashes is not exactly equal to the number of large trucks in crashes, because no driver information is provided for some crashes. Below is a summary of some of the information in this section:

- Fatalities in crashes involving large trucks made up 10 percent of all fatalities in motor vehicle crashes in 2009.
- Persons injured in large truck crashes made up 3 percent of all persons injured in motor vehicle crashes in 2009.
- Of the 3,187 drivers of large trucks involved in fatal crashes, 127 (4 percent) were 25 years of age or younger, and 163 (5 percent) were 66 years of age or older. In comparison, 27 (12 percent) of the 221 drivers of buses in fatal crashes were 25 years of age or younger, and 16 (7 percent) were 66 years of age or older.
- About 3 percent of all the drivers of large trucks involved in fatal crashes were female, as compared with 39 percent of all drivers of buses involved in fatal crashes.
- Of the 3,187 drivers of large trucks involved in fatal crashes, 350 (11 percent) were not wearing a safety belt at the time of the crash; of those, 27 percent were completely or partially ejected from the vehicle.
- One or more driver-related factors were recorded for 60 percent of the drivers of large trucks involved in single-vehicle fatal crashes but for only 24 percent of the drivers of large trucks involved in multiple-vehicle fatal crashes. In comparison, at least one driver-related factor was recorded for 77 percent of the drivers of passenger vehicles (cars, vans, pickup trucks, and sport utility vehicles) involved in single-vehicle crashes and 51 percent of the passenger vehicle drivers in multiple-vehicle crashes. Speeding and failure to keep in the proper lane were the two driver-related factors most often coded for both vehicle types.

Table 59. Persons Killed and Injured in Crashes Involving Large Trucks, 2009

Person Type	Single-Vehicle Crashes		Multiple-Vehicle Crashes		Total	
	Number	Percent	Number	Percent	Number	Percent
Persons Killed						
Driver of Large Truck	289	46.8%	149	5.4%	**438**	**13.0%**
Driver of Other Motor Vehicle	0	0.0%	1,930	69.9%	**1,930**	**57.1%**
Passenger of Large Truck in Transport	48	7.8%	17	0.6%	**65**	**1.9%**
Passenger of Other Motor Vehicle in Transport	0	0.0%	621	22.5%	**621**	**18.4%**
Occupant of Motor Vehicle Not in Transport	2	0.3%	0	0.0%	**2**	**0.1%**
Occupant of Non-Motor Vehicle Transport Device**	1	0.2%	0	0.0%	**1**	*
Pedestrian	217	35.2%	45	1.6%	**262**	**7.8%**
Bicyclist	55	8.9%	1	*	**56**	**1.7%**
Other Cyclist	0	0.0%	0	0.0%	**0**	**0.0%**
Other Person on Personal Conveyance/In Building	0	0.0%	0	0.0%	**0**	**0.0%**
Unknown Occupant Type in Motor Vehicle in Transport	5	0.8%	0	0.0%	**5**	**0.1%**
Total	**617**	**100.0%**	**2,763**	**100.0%**	**3,380**	**100.0%**
Persons Injured						
Driver of Large Truck	6,000	72.0%	8,000	11.6%	**14,000**	**18.6%**
Driver of Other Motor Vehicle	*	*	41,000	63.0%	**41,000**	**55.7%**
Passenger of Large Truck in Transport	1,000	13.9%	2,000	2.5%	**3,000**	**3.8%**
Passenger of Other Motor Vehicle in Transport	*	*	15,000	22.7%	**15,000**	**20.0%**
Occupant of Motor Vehicle Not in Transport	*	4.1%	*	0.1%	*	**0.5%**
Occupant of Non-Motor Vehicle Transport Device**	*	*	*	*	*	*
Pedestrian	1,000	5.9%	*	0.2%	**1,000**	**0.8%**
Bicyclist	*	3.8%	*	*	*	**0.4%**
Other Nonoccupant	*	0.3%	*	*	*	*
Unknown Occupant Type in Motor Vehicle in Transport	*	*	*	*	*	*
Total	**9,000**	**100.0%**	**65,000**	**100.0%**	**74,000**	**100.0%**

*Less than 500 or less than 0.05 percent.
**Refers to a person riding in an animal-drawn conveyance or on an animal, or an occupant of a railway train, etc.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Persons Killed: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).
Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 60. Persons Killed in Crashes Involving Large Trucks by Age and Sex, 2009

Age Group (Years)	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
17 and under	124	5.2%	105	10.6%	**229**	**6.8%**
18 - 25	374	15.7%	162	16.3%	**536**	**15.9%**
26 - 35	352	14.8%	137	13.8%	**489**	**14.5%**
36 - 45	386	16.2%	128	12.9%	**514**	**15.2%**
46 - 55	452	19.0%	142	14.3%	**594**	**17.6%**
56 - 65	314	13.2%	110	11.1%	**424**	**12.5%**
66 - 75	211	8.8%	90	9.0%	**301**	**8.9%**
76 and over	170	7.1%	117	11.8%	**287**	**8.5%**
Unknown	2	0.1%	4	0.4%	**6**	**0.2%**
Total	**2,385**	**100.0%**	**995**	**100.0%**	**3,380**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 61. Persons Killed in Crashes Involving Passenger Vehicles by Age and Sex, 2009

Age Group (Years)	Male		Female		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
17 and under	1,366	6.7%	1,096	11.5%	1	16.7%	**2,463**	**8.2%**
18 - 25	4,557	22.4%	1,715	18.0%	2	33.3%	**6,274**	**21.0%**
26 - 35	3,473	17.1%	1,275	13.4%	0	0.0%	**4,748**	**15.9%**
36 - 45	2,942	14.5%	1,153	12.1%	0	0.0%	**4,095**	**13.7%**
46 - 55	3,152	15.5%	1,291	13.6%	0	0.0%	**4,443**	**14.9%**
56 - 65	2,064	10.2%	988	10.4%	0	0.0%	**3,052**	**10.2%**
66 - 75	1,283	6.3%	800	8.4%	0	0.0%	**2,083**	**7.0%**
76 and over	1,464	7.2%	1,177	12.4%	0	0.0%	**2,641**	**8.8%**
Unknown	33	0.2%	20	0.2%	3	50.0%	**56**	**0.2%**
Total	**20,334**	**100.0%**	**9,515**	**100.0%**	**6**	**100.0%**	**29,855**	**100.0%**

Note: A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles).
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 62. Persons Injured in Crashes Involving Large Trucks by Age and Sex, 2009

Age Group (Years)	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
17 and under	3,000	6.4%	2,000	8.1%	**5,000**	**7.1%**
18 - 25	7,000	14.9%	6,000	21.0%	**13,000**	**17.3%**
26 - 35	9,000	19.4%	6,000	21.4%	**15,000**	**20.2%**
36 - 45	9,000	20.4%	5,000	15.4%	**14,000**	**18.4%**
46 - 55	9,000	19.3%	4,000	12.8%	**12,000**	**16.7%**
56 - 65	5,000	12.0%	3,000	11.1%	**9,000**	**11.6%**
66 - 75	2,000	4.8%	2,000	5.4%	**4,000**	**5.0%**
76 and over	1,000	2.8%	1,000	4.7%	**3,000**	**3.6%**
Total	**45,000**	**100.0%**	**29,000**	**100.0%**	**74,000**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 63. Persons Injured in Crashes Involving Passenger Vehicles by Age and Sex, 2009

Age Group (Years)	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
17 and under	143,000	14.4%	163,000	14.1%	**305,000**	**14.2%**
18 - 25	239,000	24.0%	253,000	21.9%	**491,000**	**22.9%**
26 - 35	174,000	17.5%	204,000	17.7%	**378,000**	**17.6%**
36 - 45	143,000	14.4%	164,000	14.2%	**307,000**	**14.3%**
46 - 55	137,000	13.8%	169,000	14.6%	**306,000**	**14.2%**
56 - 65	88,000	8.8%	105,000	9.1%	**193,000**	**9.0%**
66 - 75	42,000	4.2%	56,000	4.9%	**98,000**	**4.6%**
76 and over	29,000	2.9%	41,000	3.6%	**71,000**	**3.3%**
Total	**994,000**	**100.0%**	**1,155,000**	**100.0%**	**2,149,000**	**100.0%**

Note: A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles).
Source: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 64. Persons Killed and Injured in Crashes Involving Large Trucks by Time of Day, 2009

Time of Day	Persons Killed		Persons Injured	
	Number	Percent	Number	Percent
12am - 3am	280	8.3%	3,000	4.7%
3am - 6am	299	8.8%	3,000	4.4%
6am - 9am	487	14.4%	12,000	16.9%
9am - 12pm	565	16.7%	15,000	20.6%
12pm - 3pm	628	18.6%	15,000	20.7%
3pm - 6pm	553	16.4%	13,000	18.0%
6pm - 9pm	311	9.2%	7,000	9.3%
9pm - 12am	246	7.3%	4,000	5.4%
Unknown	11	0.3%	*	*
Daytime (6am - 6pm)	*2,233*	*66.1%*	*56,000*	*76.2%*
Nighttime (6pm - 6am)	*1,136*	*33.6%*	*18,000*	*23.8%*
Total	**3,380**	**100.0%**	**74,000**	**100.0%**

*Less than 500 or less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Sources: Persons Killed: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).
Persons Injured: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 65. Drivers of Large Trucks in Fatal Crashes by Age and Sex, 2009

Age Group (Years)	Male		Female		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
17 and Under	1	*	0	0.0%	0	0.0%	**1**	*
18 - 25	122	4.0%	4	4.3%	0	0.0%	**126**	**4.0%**
26 - 35	515	16.7%	7	7.4%	0	0.0%	**522**	**16.4%**
36 - 45	863	28.0%	37	39.4%	0	0.0%	**900**	**28.2%**
46 - 55	885	28.8%	30	31.9%	0	0.0%	**915**	**28.7%**
56 - 65	527	17.1%	12	12.8%	0	0.0%	**539**	**16.9%**
66 - 75	142	4.6%	3	3.2%	0	0.0%	**145**	**4.5%**
76 and Over	17	0.6%	1	1.1%	0	0.0%	**18**	**0.6%**
Unknown	6	0.2%	0	0.0%	15	100.0%	**21**	**0.7%**
Total	**3,078**	**100.0%**	**94**	**100.0%**	**15**	**100.0%**	**3,187**	**100.0%**

*Less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 66. Drivers of Buses in Fatal Crashes by Age and Sex, 2009

Age Group (Years)	Male		Female		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
17 and Under	0	0.0%	0	0.0%	0	0.0%	**0**	**0.0%**
18 - 25	0	0.0%	1	1.3%	0	0.0%	**1**	**0.5%**
26 - 35	15	10.6%	16	21.1%	0	0.0%	**31**	**14.3%**
36 - 45	31	22.0%	16	21.1%	0	0.0%	**47**	**21.7%**
46 - 55	40	28.4%	24	31.6%	0	0.0%	**64**	**29.5%**
56 - 65	38	27.0%	16	21.1%	0	0.0%	**54**	**24.9%**
66 - 75	16	11.3%	3	3.9%	0	0.0%	**19**	**8.8%**
76 and Over	1	0.7%	0	0.0%	0	0.0%	**1**	**0.5%**
Unknown	0	0.0%	0	0.0%	0	0.0%	**0**	**0.0%**
Total	**141**	**100.0%**	**76**	**100.0%**	**0**	**100.0%**	**217**	**100.0%**

Note: A bus is defined as a motor vehicle (including school buses, intercity buses, and transit buses) designed to carry more than 10 passengers, not including the driver.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 67. Drivers of Large Trucks in Fatal Crashes by Restraint Use and Ejection from the Vehicle, 2009

Restraint Use	Ejection from the Vehicle								Total	
	Not Ejected		Totally Ejected		Partially Ejected		Unknown			
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
None	254	8.3%	73	83.0%	23	65.7%	0	0.0%	**350**	**11.0%**
Shoulder Belt	13	0.4%	0	0.0%	0	0.0%	0	0.0%	**13**	**0.4%**
Lap Belt	88	2.9%	0	0.0%	0	0.0%	0	0.0%	**88**	**2.8%**
Lap and Shoulder	2,503	81.9%	2	2.3%	10	28.6%	1	11.1%	**2,516**	**78.9%**
Type Unknown	1	*	0	0.0%	0	0.0%	0	0.0%	**1**	*
Used Improperly	1	*	0	0.0%	0	0.0%	0	0.0%	**1**	*
Unknown	195	6.4%	13	14.8%	2	5.7%	8	88.9%	**218**	**6.8%**
Total	**3,055**	**100.0%**	**88**	**100.0%**	**35**	**100.0%**	**9**	**100.0%**	**3,187**	**100.0%**

*Less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 68. Drivers of Large Trucks in Fatal Crashes by Commercial Drivers License (CDL) Status and License Compliance, 2009

CDL Status	Number	Percent	License Compliance	Number	Percent
Valid	2,682	84.2%	Valid License for Class of Vehicle	3,032	95.1%
No CDL	396	12.4%	Not Licensed	9	0.3%
Suspended	17	0.5%	No License Required for Class of Vehicle	0	0.0%
Revoked, Expired, Canceled	24	0.8%	No Valid License for Class of Vehicle	70	2.2%
Other Not Valid	5	0.2%	Unknown if Required for Class of Vehicle	11	0.3%
Unknown	63	2.0%	Unknown	65	2.0%
Total	**3,187**	**100.0%**	**Total**	**3,187**	**100.0%**

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 69. Drivers of Large Trucks in Fatal Crashes by Driver-Related Factors and Violations Recorded, 2009

Driver-Related Factors	Single-Vehicle Crashes		Multiple-Vehicle Crashes		Total	
	Number	Percent	Number	Percent	Number	Percent
Driving too fast for conditions or in excess of posted speed limit	82	13.8%	152	5.9%	**234**	**7.3%**
Failure to keep in proper lane	120	20.1%	87	3.4%	**207**	**6.5%**
Inattentive (talking, eating, etc.)	75	12.6%	107	4.1%	**182**	**5.7%**
Failure to yield right-of-way	23	3.9%	88	3.4%	**111**	**3.5%**
Failure to obey traffic signs	15	2.5%	48	1.9%	**63**	**2.0%**
Overcorrecting	35	5.9%	21	0.8%	**56**	**1.8%**
Drowsy, asleep, fatigued	33	5.5%	13	0.5%	**46**	**1.4%**
Under the influence of alcohol, drugs, or medication	21	3.5%	24	0.9%	**45**	**1.4%**
Following improperly	3	0.5%	38	1.5%	**41**	**1.3%**
Making improper turn	15	2.5%	16	0.6%	**31**	**1.0%**
Driving on wrong side of road	5	0.8%	19	0.7%	**24**	**0.8%**
Stopped in roadway	1	0.2%	22	0.8%	**23**	**0.7%**
Erratic or reckless driving	11	1.8%	10	0.4%	**21**	**0.7%**
Improper lane change	1	0.2%	20	0.8%	**21**	**0.7%**
Starting or backing improperly	8	1.3%	10	0.4%	**18**	**0.6%**
Vehicle in road	1	0.2%	15	0.6%	**16**	**0.5%**
Noncompliance with physical or other imposed restrictions	2	0.3%	14	0.5%	**16**	**0.5%**
Carrying hazardous cargo improperly	4	0.7%	11	0.4%	**15**	**0.5%**
Operating without required equipment	6	1.0%	7	0.3%	**13**	**0.4%**
Overloading or improper loading	2	0.3%	11	0.4%	**13**	**0.4%**
Ill, passed out, blackout	8	1.3%	4	0.2%	**12**	**0.4%**
Tire blowout or flat	6	1.0%	5	0.2%	**11**	**0.3%**
Cellular phone in use	3	0.5%	5	0.2%	**8**	**0.3%**
Pedestrian, pedalcyclist, or other nonmotorist in roadway	3	0.5%	4	0.2%	**7**	**0.2%**
Unfamiliar with road	4	0.7%	3	0.1%	**7**	**0.2%**
Driving less than posted maximum	0	0.0%	5	0.2%	**5**	**0.2%**
Phantom vehicle	2	0.3%	3	0.1%	**5**	**0.2%**
Passing with insufficient sight distance	1	0.2%	3	0.1%	**4**	**0.1%**
Passing where prohibited	0	0.0%	4	0.2%	**4**	**0.1%**
Live animals in road	3	0.5%	1	*	**4**	**0.1%**
Road rage/aggressive driving	3	0.5%	0	0.0%	**3**	**0.1%**
Impaired due to previous injury	0	0.0%	3	0.1%	**3**	**0.1%**
Making improper entry to or exit from trafficway	1	0.2%	2	0.1%	**3**	**0.1%**
Failure to observe warnings or instructions displayed on vehicle	1	0.2%	2	0.1%	**3**	**0.1%**
Getting off/out of or on/into moving vehicle	3	0.5%	0	0.0%	**3**	**0.1%**
Driver-Related Factor(s) Recorded	360	60.4%	624	24.1%	**984**	**30.9%**
No Driver-Related Factors Recorded	236	39.6%	1,967	75.9%	**2,203**	**69.1%**
Total	**596**	**100.0%**	**2,591**	**100.0%**	**3,187**	**100.0%**
Moving Violation(s) Recorded	37	6.2%	192	7.4%	**229**	**7.2%**
No Moving Violations Recorded	559	93.8%	2,399	92.6%	**2,958**	**92.8%**
Total	**596**	**100.0%**	**2,591**	**100.0%**	**3,187**	**100.0%**

*Less than 0.05 percent.
Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 70. Drivers of Passenger Vehicles in Fatal Crashes by Driver-Related Factors and Violations Recorded, 2009

Driver-Related Factors	Single-Vehicle Crashes		Multiple-Vehicle Crashes		Total	
	Number	Percent	Number	Percent	Number	Percent
Driving too fast for conditions or in excess of posted speed limit	5,253	30.4%	2,340	10.0%	**7,593**	**18.7%**
Failure to keep in proper lane	4,007	23.2%	2,630	11.2%	**6,637**	**16.3%**
Under the influence of alcohol, drugs, or medication	3,941	22.8%	1,994	8.5%	**5,935**	**14.6%**
Inattentive (talking, eating, etc.)	1,998	11.6%	1,418	6.1%	**3,416**	**8.4%**
Failure to yield right-of-way	278	1.6%	2,497	10.7%	**2,775**	**6.8%**
Overcorrecting	1,589	9.2%	308	1.3%	**1,897**	**4.7%**
Failure to obey traffic signs	283	1.6%	1,397	6.0%	**1,680**	**4.1%**
Driving on wrong side of road	317	1.8%	853	3.6%	**1,170**	**2.9%**
Erratic or reckless driving	689	4.0%	384	1.6%	**1,073**	**2.6%**
Making improper turn	642	3.7%	362	1.5%	**1,004**	**2.5%**
Drowsy, asleep, fatigued	486	2.8%	190	0.8%	**676**	**1.7%**
Ill, passed out, blackout	318	1.8%	124	0.5%	**442**	**1.1%**
Operating without required equipment	261	1.5%	139	0.6%	**400**	**1.0%**
Noncompliance with physical or other imposed restrictions	179	1.0%	134	0.6%	**313**	**0.8%**
Improper lane change	72	0.4%	228	1.0%	**300**	**0.7%**
Following Improperly	31	0.2%	264	1.1%	**295**	**0.7%**
Passing with insufficient sight distance	45	0.3%	190	0.8%	**235**	**0.6%**
Driving on shoulder	180	1.0%	14	0.1%	**194**	**0.5%**
Cellular telephone in use in vehicle	84	0.5%	88	0.4%	**172**	**0.4%**
Road rage/aggressive driving	93	0.5%	63	0.3%	**156**	**0.4%**
Noncompliance with graduated drivers' licenses restrictions	86	0.5%	50	0.2%	**136**	**0.3%**
Passing where prohibited	51	0.3%	84	0.4%	**135**	**0.3%**
Operator inexperience	84	0.5%	39	0.2%	**123**	**0.3%**
Carrying hazardous cargo improperly	50	0.3%	69	0.3%	**119**	**0.3%**
Vehicle in road	31	0.2%	84	0.4%	**115**	**0.3%**
Live animals in road	86	0.5%	27	0.1%	**113**	**0.3%**
Other physical impairment (includes paraplegic)	56	0.3%	49	0.2%	**105**	**0.3%**
Phantom vehicle	51	0.3%	47	0.2%	**98**	**0.2%**
Pedestrian, pedalcyclist, or other nonmotorist in roadway	65	0.4%	13	0.1%	**78**	**0.2%**
Emotional (e.g. depresssion, angry, disturbed)	49	0.3%	28	0.1%	**77**	**0.2%**
Stopped in roadway	3	*	71	0.3%	**74**	**0.2%**
Driving wrong way on one-way trafficway	3	*	59	0.3%	**62**	**0.2%**
Starting or backing improperly	31	0.2%	17	0.1%	**48**	**0.1%**
Passing on wrong side	19	0.1%	29	0.1%	**48**	**0.1%**
Failing to dim lights or to have lights on when required	16	0.1%	27	0.1%	**43**	**0.1%**
Driver-Related Factor(s) Recorded	11,684	76.5%	10,719	51.5%	**22,403**	**62.1%**
No Driver-Related Factors Recorded	3,584	23.5%	10,114	48.5%	**13,698**	**37.9%**
Total	**15,268**	**100.0%**	**20,833**	**100.0%**	**36,101**	**100.0%**
Moving Violation(s) Recorded	1,790	11.7%	2,717	13.0%	**4,507**	**12.5%**
No Moving Violations Recorded	13,478	88.3%	18,116	87.0%	**31,594**	**87.5%**
Total	**15,268**	**100.0%**	**20,833**	**100.0%**	**36,101**	**100.0%**

*Less than 0.05 percent.
Note: A passenger vehicle is defined here as a car, light truck (including pickups, vans, and sport utility vehicles), or motorcycle.
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 71. Estimated Costs to Society of Large Truck and Intercity Motorcoach Crashes by Vehicle Type and Crash Severity, 2009

Cost Category	Single-Unit Trucks				Combination Trucks			
	Maximum Crash Severity				Maximum Crash Severity			
	Fatal	Injury	Property Damage Only	Total	Fatal	Injury	Property Damage Only	Total
Average Cost by Category (2009 Dollars)								
Medical [a, b]	$61,000	$27,000	$0	$5,000	$55,000	$23,000	$0	$5,000
Emergency Services [a, b]	$1,000	$0	$0	$0	$1,000	$0	$0	$0
Property Damages [a, c]	$9,000	$9,000	$5,000	$6,000	$18,000	$18,000	$7,000	$9,000
Delays [a, c, d]	$13,000	$11,000	$6,000	$7,000	$16,000	$10,000	$6,000	$7,000
Lost Productivity [a, e]	$1,185,000	$65,000	$0	$18,000	$1,181,000	$66,000	$0	$31,000
Lost Quality of Life [a, e]	$5,976,000	$202,000	$0	$69,000	$5,965,000	$204,000	$0	$129,000
Total Average Costs	*$7,245,000*	*$314,000*	*$11,000*	*$105,000*	*$7,236,000*	*$321,000*	*$13,000*	*$181,000*
Crash Statistics								
Number of Crashes	858	23,000	118,000	141,858	2,179	29,000	115,000	146,179
Number of Fatalities	972	—	—	972	2,470	—	—	2,470
Number of Injuries	707	33,000	—	33,707	1,708	42,000	—	43,708
Total Costs (Million 2009 Dollars)	**$6,216**	**$7,222**	**$1,298**	**$14,736**	**$15,767**	**$9,309**	**$1,495**	**$26,571**

[a]Source for trucks: E. Zaloshnja and T. Miller, *Unit Costs of Medium and Heavy Truck Crashes* (Calverton, MD: Pacific Institute for Research and Evaluation, December 2006), web site http://mcsac.fmcsa.dot.gov/documents/Dec09/UnitCostsTruck%20Crashes2007.pdf.
[b]Costs per victim updated from 2005 dollars to 2009 dollars using the gross domestic product (GDP) deflator.
[c]Costs per crash updated from 2005 dollars to 2009 dollars using the GDP deflator.
[d]Costs of emissions due to idling in roadway delays are currently estimated to add $109 to $245 to the cost of a crash. See T. Flieger, A. Klauber, J. Mantilla, and P. Zebe, *Environmental Costs of Commercial Motor Vehicle Crashes: Phase 2, Part 2, Estimation Report* (Cambridge, MA: Volpe National Transportation Center, March 2007), web site www.ai.fmcsa.dot.gov/CarrierResearchResults/WordFiles/ECCMVC%20FMCSA%20FINAL%20REV.doc.
[e]Costs of lost productivity and and lost quality of life based on a value of statistical life (VSL) of $6.0 million (2009 dollars). See: J. Szabat and L. Knapp, "Treatment of the Economic Value of a Statistical Life in Departmental Analyses – 2009 Annual Revision" (Washington, DC: Office of the Secretary of Transportation, March 2009), web site http://ostpxweb.dot.gov/policy/reports/VSL%20Guidance%20031809%20a.pdf.
Note: Totals may not equal sum of components due to independent rounding.

Table 71. Estimated Costs to Society of Large Truck and Intercity Motorcoach Crashes by Vehicle Type and Crash Severity, 2009 (Continued)

Cost Category	Intercity Motorcoaches				All Large Trucks and Intercity Motorcoaches			
	Maximum Crash Severity				Maximum Crash Severity			
	Fatal	Injury	Property Damage Only	Total	Fatal	Injury	Property Damage Only	Total
Average Cost by Category (2009 Dollars)								
Medical [f, g]	$31,000	$12,000	$0	$3,000	$56,000	$24,000	$0	$5,000
Emergency Services [f, g]	$1,000	$0	$0	$0	$1,000	$0	$0	$0
Property Damages [f, h]	$16,000	$5,000	$2,000	$3,000	$15,000	$13,000	$6,000	$7,000
Delays [d, f, h]	$25,000	$11,000	$5,000	$6,000	$15,000	$11,000	$6,000	$7,000
Lost Productivity [f, h]	$1,209,000	$17,000	$0	$5,000	$1,183,000	$60,000	$0	$23,000
Lost Quality of Life [d, f]	$6,210,000	$88,000	$0	$26,000	$5,971,000	$191,000	$0	$93,000
Total Average Costs	*$7,492,000*	*$133,000*	*$7,000*	*$43,000*	*$7,241,000*	*$299,000*	*$12,000*	*$135,000*
Crash Statistics								
Number of Crashes	38	6,000	23,000	29,038	3,075	58,000	256,000	317,075
Number of Fatalities	46	—	—	46	3,488	—	—	3,488
Number of Injuries	0	11,000	—	11,000	2,415	86,000	—	88,415
Total Costs (Million 2009 Dollars)	**$285**	**$798**	**$161**	**$1,244**	**$22,266**	**$17,342**	**$3,072**	**$42,680**

[f]Source for intercity motorcoaches: E. Zaloshnja and T. Miller, *Revised Costs of Large Truck- and Bus-Involved Crashes*, DOT-MC-02-200 (Washington, DC: Federal Motor Carrier Safety Administration, November 2002), web site http://mcsac.fmcsa.dot.gov/documents/Dec09/RevisedCostLargeTruckBusCrashes2002.pdf.
[g]Costs per victim updated from 2000 dollars to 2009 dollars using the gross domestic product (GDP) deflator.
[h]Costs per crash updated from 2000 dollars to 2009 dollars using the GDP deflator.
Note: Totals may not equal sum of components due to independent rounding.

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