

LARGE TRUCK CRASH FACTS 1999



U.S. Department
of Transportation



F M C S A
Federal Motor Carrier Safety Administration

Analysis Division
Federal Motor Carrier
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Introduction

This annual edition of *Large Truck Crash Facts* (previously published by the Federal Highway Administration, Office of Motor Carriers, as *Large Truck Crash Profile: The National Picture*) contains descriptive statistics about fatal, injury, and property damage only crashes involving large trucks in 1999. 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. 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 National Governors' Association (NGA) recommended threshold. An NGA reportable crash must involve a truck (a vehicle that is designed, used, or maintained primarily for carrying property and has at least two axles and six tires) or a bus (a vehicle with seats for at least 16 people, including the driver). The crash must result in either at least one fatality, at least one injury for which the injured person was taken to a medical facility for immediate medical attention, or at least one vehicle that was towed from the scene as a result of disabling crash damage. 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 NGA-eligible crashes. For 1999, States reported 96,453 trucks involved in crashes through SAFETYNET to the MCMIS Crash File. Based on the 1999 GES data, an estimated 163,000 trucks were involved in crashes that should have been reported. Thus, FMCSA received reports on about 60 percent of the trucks involved in NGA-reportable crashes.

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, “Annual Vehicle Distance Traveled in Miles and Related Data” of *Highway Statistics*.

Organization of the Report

This year’s report is organized into four chapters: Trends, Crashes, Vehicles, and People. The Trends chapter shows data for 1999 in the context of available historical data for past years. In the other chapters, the 1999 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 large truck crash statistics over time. Fatal crash statistics generally are available from 1975, the first year of FARS data, through 1999. In some cases, such as for roadway function class or alcohol involvement, data are available only from 1981 or 1982 through 1999. Nonfatal crash statistics are available from 1988, the first year of GES data, through 1999. 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:

- ◆ Over the past 20 years (1979 to 1999) there has been a 32-percent increase in registered large trucks and an 83-percent increase in miles traveled by large trucks.
- ◆ Over the same time period, the number of large trucks involved in fatal crashes each year has declined by 18 percent, and the vehicle involvement rate for large trucks in fatal crashes has declined by 55 percent.
- ◆ Over the past 10 years (1989 to 1999) there has been a 25-percent increase in registered large trucks and a 40-percent increase in miles traveled by large trucks.
- ◆ The number of large trucks involved in injury crashes each year has declined by 9 percent over the past 10 years, and the vehicle involvement rate for large trucks in injury crashes has declined by 35 percent.
- ◆ The number of large trucks involved in property damage only crashes has increased by 23 percent over the past 10 years, but the vehicle involvement rate for large trucks in property damage only crashes has declined by 12 percent.
- ◆ Alcohol involvement (blood alcohol concentration of 0.01 gram per deciliter [g/dl] or more) for large truck drivers in fatal crashes has declined by 73 percent since 1982, the first year of FARS data for alcohol involvement in fatal crashes.

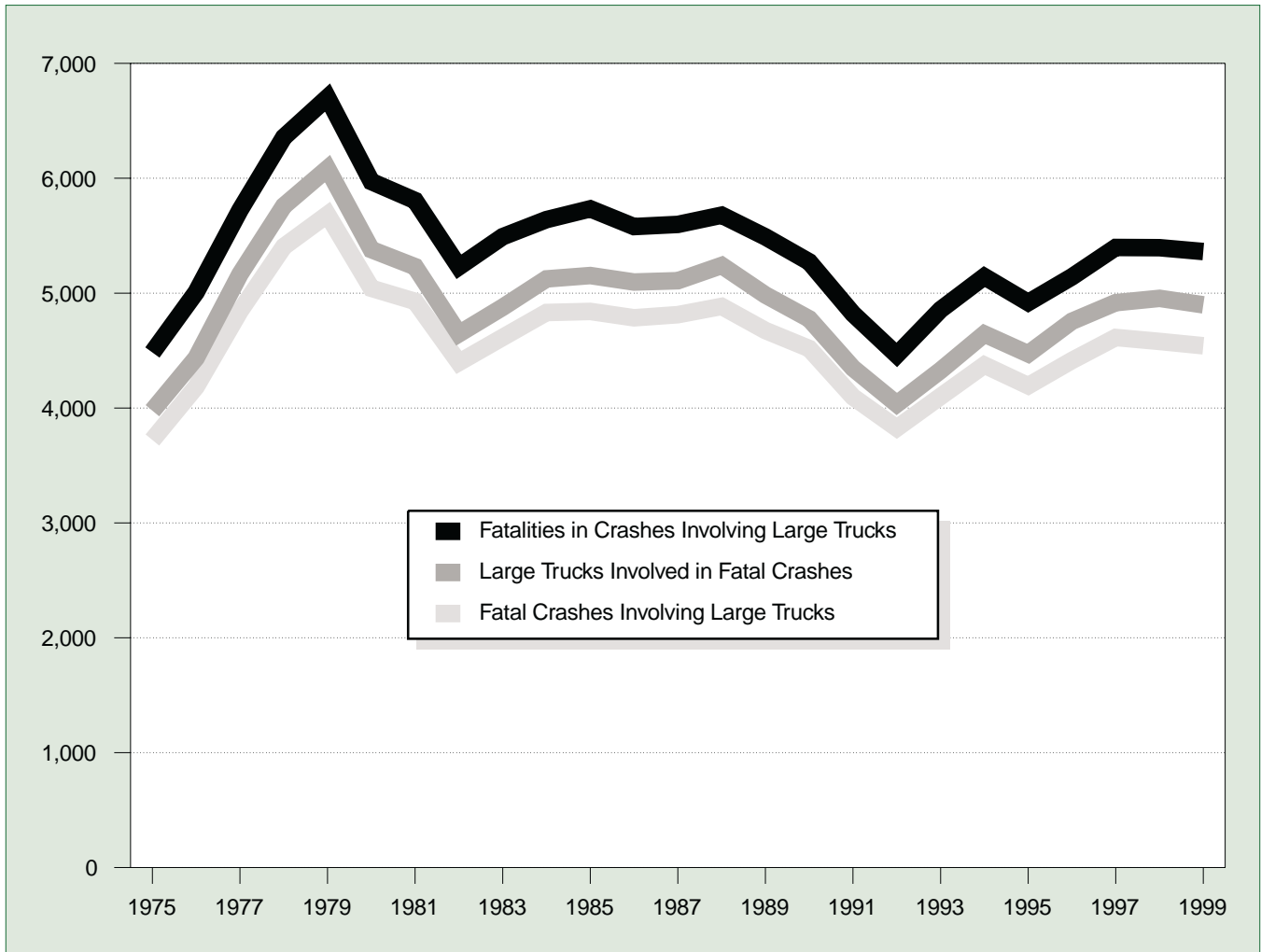
Table 1. Large Truck Fatal Crash Statistics, 1975-1999

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	4.6	4.9	5.5	5,362,369
1976	4,184	4,435	1,132	5,008	86,070	4.9	5.2	5.8	5,575,185
1977	4,843	5,164	1,287	5,723	95,021	5.1	5.4	6.0	5,689,903
1978	5,405	5,759	1,395	6,356	105,739	5.1	5.4	6.0	5,859,807
1979	5,684	6,084	1,432	6,702	109,004	5.2	5.6	6.1	5,891,571
1980	5,042	5,379	1,262	5,971	108,491	4.6	5.0	5.5	5,790,653
1981	4,928	5,230	1,133	5,806	108,702	4.5	4.8	5.3	5,716,278
1982	4,396	4,646	944	5,229	111,423	3.9	4.2	4.7	5,590,415
1983	4,615	4,877	982	5,491	116,132	4.0	4.2	4.7	5,508,392
1984	4,831	5,124	1,074	5,640	121,796	4.0	4.2	4.6	5,401,075
1985	4,841	5,153	977	5,734	123,504	3.9	4.2	4.6	5,996,337
1986	4,785	5,097	926	5,579	126,675	3.8	4.0	4.4	5,720,880
1987	4,813	5,108	852	5,598	133,517	3.6	3.8	4.2	5,718,265
1988	4,885	5,241	911	5,679	137,985	3.5	3.8	4.1	6,136,884
1989	4,674	4,984	858	5,490	142,749	3.3	3.5	3.8	6,226,481
1990	4,518	4,776	705	5,272	146,242	3.1	3.3	3.6	6,195,876
1991	4,097	4,347	661	4,821	149,542	2.7	2.9	3.2	6,172,146
1992	3,825	4,035	585	4,462	153,384	2.5	2.6	2.9	6,045,205
1993	4,101	4,328	605	4,856	159,888	2.6	2.7	3.0	6,088,155
1994	4,373	4,644	670	5,144	170,216	2.6	2.7	3.0	6,587,884
1995	4,194	4,472	648	4,918	178,156	2.4	2.5	2.8	6,719,420
1996	4,413	4,755	621	5,142	182,971	2.4	2.6	2.8	7,012,615
1997	4,614	4,917	723	5,398	191,477	2.4	2.6	2.8	7,083,326
1998	4,579	4,955	742	5,395	196,380	2.3	2.5	2.7	7,732,270
1999	4,542	4,898	758	5,362	199,281	2.3	2.5	2.7	7,791,426

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.

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, 1975-1999



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).

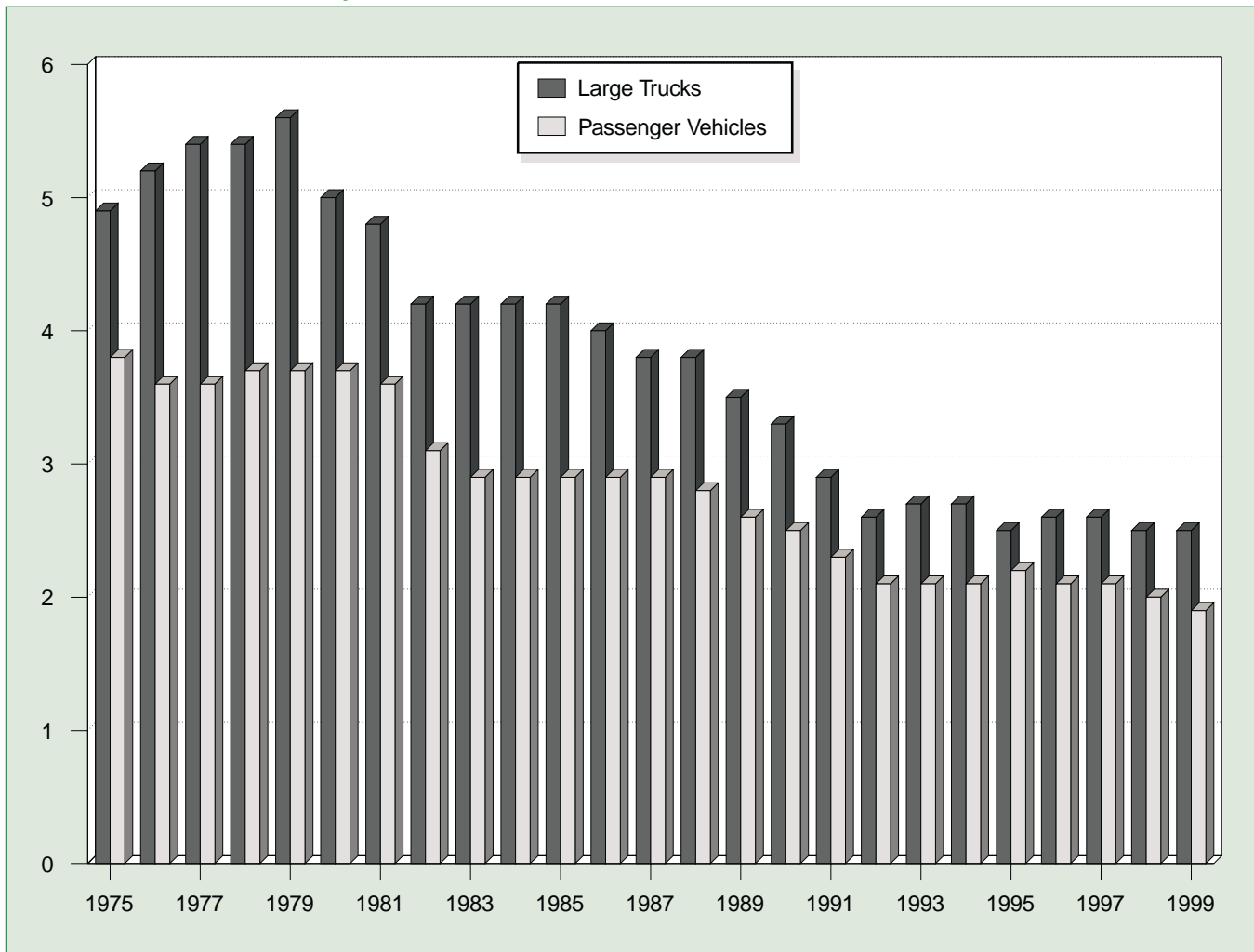
Table 2. Passenger Vehicle Fatal Crash Statistics, 1975-1999

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	2.8	3.8	3.3	115,364,709
1976	35,242	46,506	31,604	40,724	1,304,049	2.7	3.6	3.1	119,806,386
1977	37,197	49,438	32,758	42,599	1,359,834	2.7	3.6	3.1	123,400,366
1978	39,226	52,442	34,898	44,870	1,425,922	2.8	3.7	3.1	129,141,048
1979	39,637	52,543	34,986	45,207	1,405,545	2.8	3.7	3.2	132,476,628
1980	39,623	51,739	34,935	45,139	1,402,531	2.8	3.7	3.2	134,831,752
1981	38,544	51,195	33,726	43,586	1,427,170	2.7	3.6	3.1	137,239,007
1982	34,619	45,651	29,689	39,262	1,472,397	2.4	3.1	2.7	139,244,282
1983	33,481	44,416	29,181	37,866	1,525,666	2.2	2.9	2.5	142,153,582
1984	34,979	46,621	30,116	39,382	1,582,918	2.2	2.9	2.5	147,435,149
1985	34,567	46,741	29,901	38,976	1,633,637	2.1	2.9	2.4	154,013,265
1986	36,612	49,522	32,261	41,373	1,690,261	2.2	2.9	2.4	157,031,560
1987	37,342	51,094	33,190	42,119	1,770,779	2.1	2.9	2.4	161,543,801
1988	38,252	52,263	34,114	43,069	1,868,720	2.0	2.8	2.3	166,118,639
1989	37,102	51,110	33,614	41,782	1,932,108	1.9	2.6	2.2	169,892,626
1990	36,281	49,705	32,693	40,879	1,979,276	1.8	2.5	2.1	173,193,097
1991	33,701	46,123	30,776	38,134	2,006,553	1.7	2.3	1.9	175,389,400
1992	32,109	44,465	29,485	36,323	2,079,032	1.5	2.1	1.7	174,182,793
1993	32,969	45,565	30,077	37,222	2,120,764	1.6	2.1	1.8	177,629,233
1994	33,390	46,626	30,901	37,742	2,170,723	1.5	2.1	1.7	181,482,575
1995	34,555	48,527	31,991	39,014	2,228,323	1.6	2.2	1.8	185,762,753
1996	34,792	48,973	32,438	39,265	2,286,394	1.5	2.1	1.7	190,051,664
1997	34,595	48,687	32,448	39,187	2,353,295	1.5	2.1	1.7	191,960,390
1998	34,274	48,403	31,899	38,539	2,417,852	1.4	2.0	1.6	195,749,209
1999	34,066	47,848	32,061	38,461	2,474,043	1.4	1.9	1.6	200,012,471

Note: A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles).

Sources: Vehicle Miles of Travel: Federal Highway Administration. Registered Vehicles: R.L. Polk & Co. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

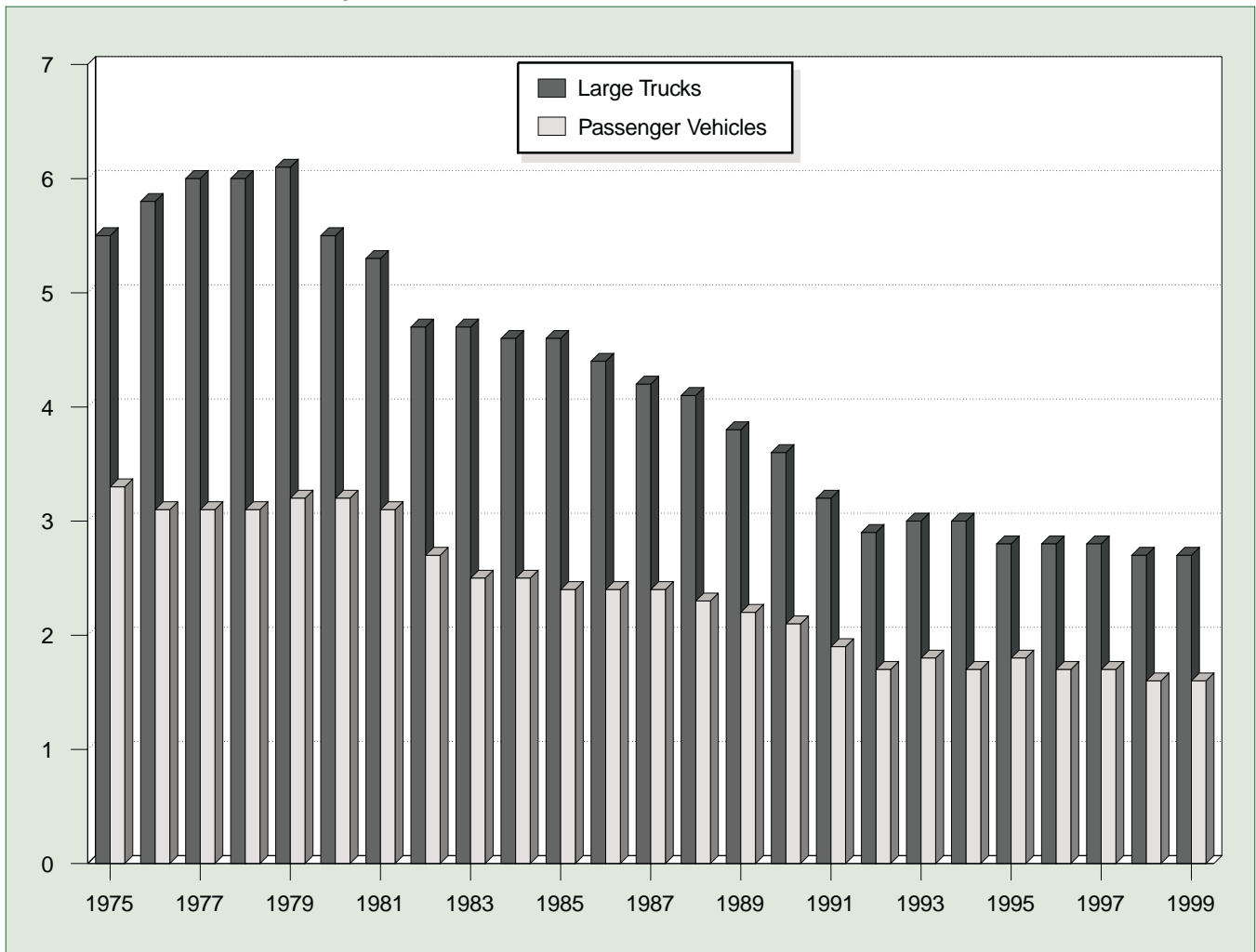
Figure 2. Large Trucks and Passenger Vehicles Involved in Fatal Crashes per 100 Million Vehicle Miles Traveled, 1975-1999



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).

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, 1975-1999



Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.

Note: A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles).

Sources: Vehicle Miles of Travel: Federal Highway Administration. Fatalities and Vehicles Involved: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 3. All Motor Vehicle Fatal Crash Statistics, 1975-1999

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	2.9	4.2	3.4	126,153,304
1976	39,747	56,084	37,102	45,523	1,402,380	2.8	4.0	3.2	130,793,243
1977	42,211	60,516	39,150	47,878	1,467,027	2.9	4.1	3.3	134,514,286
1978	44,433	64,144	41,533	50,331	1,544,704	2.9	4.2	3.3	140,374,064
1979	45,223	64,762	41,930	51,093	1,529,133	3.0	4.2	3.3	144,317,076
1980	45,284	63,485	41,927	51,091	1,527,295	3.0	4.2	3.3	146,845,135
1981	44,000	62,699	40,424	49,301	1,555,308	2.8	4.0	3.2	149,330,311
1982	39,092	56,455	35,646	43,945	1,595,010	2.5	3.5	2.8	151,147,755
1983	37,976	55,106	34,843	42,589	1,652,788	2.3	3.3	2.6	153,829,970
1984	39,631	57,972	36,284	44,257	1,720,269	2.3	3.4	2.6	158,899,717
1985	39,196	58,271	36,043	43,825	1,774,826	2.2	3.3	2.5	166,047,491
1986	41,090	60,792	38,234	46,087	1,834,872	2.2	3.3	2.5	168,545,161
1987	41,438	61,836	38,565	46,390	1,921,204	2.2	3.2	2.4	172,749,894
1988	42,130	62,703	39,170	47,087	2,025,962	2.1	3.1	2.3	177,455,476
1989	40,741	60,870	38,087	45,582	2,096,487	1.9	2.9	2.2	181,164,568
1990	39,836	59,292	37,134	44,599	2,144,362	1.9	2.8	2.1	184,275,422
1991	36,937	54,765	34,740	41,508	2,172,050	1.7	2.5	1.9	186,370,190
1992	34,942	52,227	32,880	39,250	2,247,151	1.6	2.3	1.7	184,937,848
1993	35,780	53,777	33,574	40,150	2,296,378	1.6	2.3	1.7	188,349,676
1994	36,254	54,911	34,318	40,716	2,357,588	1.5	2.3	1.7	192,497,438
1995	37,241	56,524	35,291	41,817	2,422,696	1.5	2.3	1.7	197,064,868
1996	37,494	57,347	35,696	42,065	2,485,848	1.5	2.3	1.7	201,630,659
1997	37,324	57,060	35,725	42,013	2,561,695	1.5	2.2	1.6	203,567,637
1998	37,107	56,922	35,382	41,501	2,631,522	1.4	2.2	1.6	208,076,469
1999	37,043	56,668	35,806	41,611	2,691,335	1.4	2.1	1.5	212,685,157

Sources: Vehicle Miles of Travel: Federal Highway Administration. Registered Vehicles: Federal Highway Administration and R.L. Polk & Co. Fatal Crashes, Vehicles Involved, and Fatalities: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 4. Large Truck Injury Crash Statistics, 1988-1999

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
1988	94,000	96,000	130,000	137,985	67.9	69.5	94.4	6,136,884
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	149,542	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	199,281	47.7	50.5	71.1	7,791,426

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.

Note: "Persons Injured" includes all nonfatally injured persons in injury and fatal crashes.

Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Injuries: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 5. Large Truck Property Damage Only (PDO) Crash Statistics, 1988-1999

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
1988	291,000	297,000	137,985	210.7	215.2	6,136,884
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	149,542	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	199,281	177.0	185.3	7,791,426

Note: A large truck is defined as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.

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 6. Passenger Vehicle Injury Crash Statistics, 1988-1999

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
1988	2,166,000	3,756,000	3,335,000	1,868,720	115.9	201.0	178.5	166,118,639
1989	2,093,000	3,619,000	3,211,000	1,932,108	108.3	187.3	166.2	169,892,626
1990	2,062,000	3,567,000	3,144,000	1,979,276	104.2	180.2	158.8	173,193,097
1991	1,953,000	3,404,000	3,027,000	2,006,553	97.3	169.6	150.9	175,389,400
1992	1,938,000	3,399,000	3,006,000	2,079,032	93.2	163.5	144.6	174,182,793
1993	1,970,000	3,474,000	3,087,000	2,120,764	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	2,474,043	81.1	145.6	128.3	200,012,471

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).

Sources: Vehicle Miles of Travel: Federal Highway Administration. Registered Vehicles: R.L. Polk & Co. Injury Crashes, Vehicles Involved, and Injuries: National Highway Traffic Safety Administration, General Estimates System (GES).

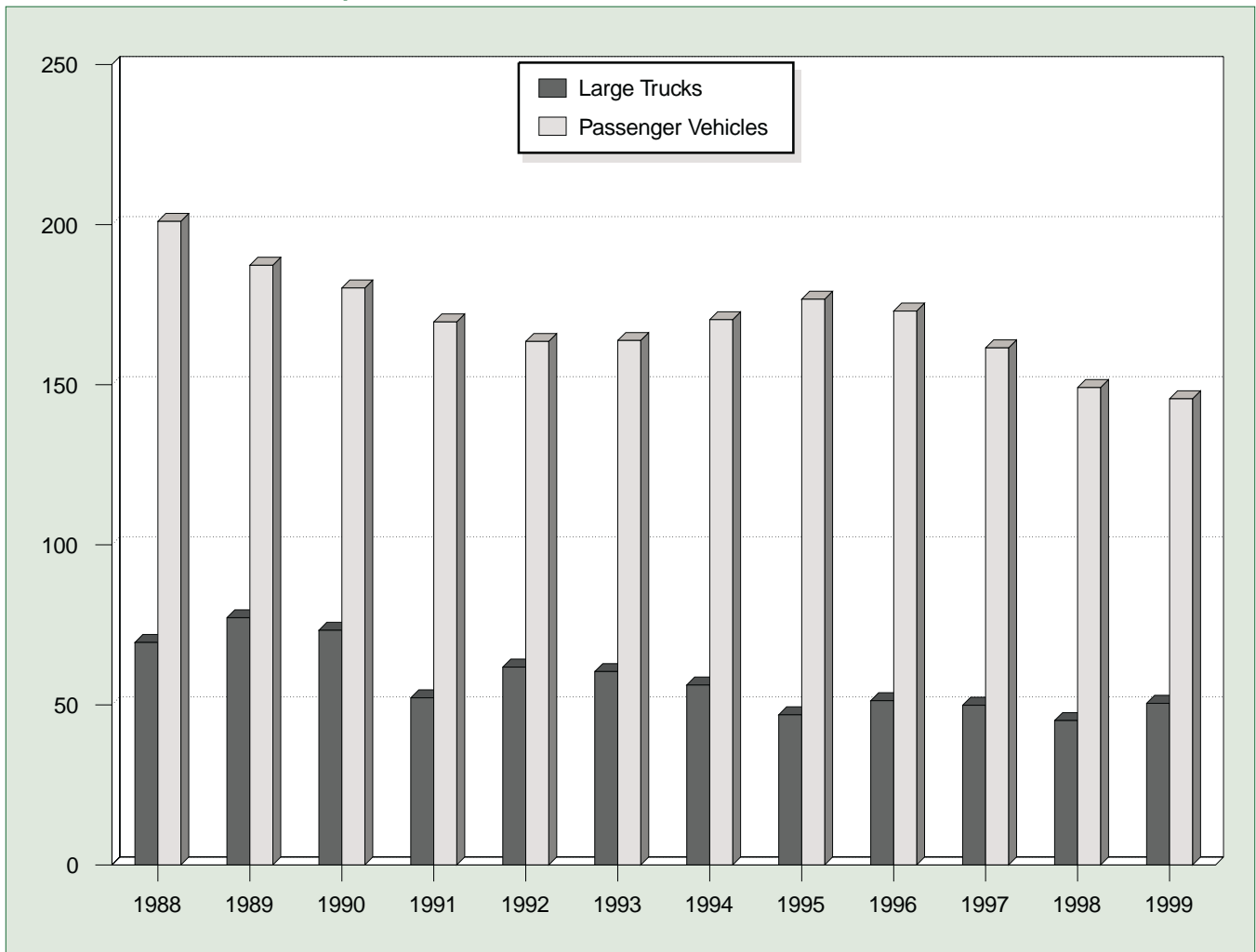
Table 7. Passenger Vehicle Property Damage Only (PDO) Crash Statistics, 1988-1999

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
1988	4,506,000	7,592,000	1,868,720	241.1	406.3	166,118,639
1989	4,355,000	7,291,000	1,932,108	225.4	377.3	169,892,626
1990	4,207,000	7,140,000	1,979,276	212.5	360.7	173,193,097
1991	3,985,000	6,759,000	2,006,553	198.6	336.9	175,389,400
1992	3,872,000	6,556,000	2,079,032	186.2	315.3	174,182,793
1993	3,937,000	6,673,000	2,120,764	185.6	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	2,474,043	164.0	281.4	200,012,471

Note: A passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles).

Sources: Vehicle Miles of Travel: Federal Highway Administration. Registered Vehicles: R.L. Polk & Co. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

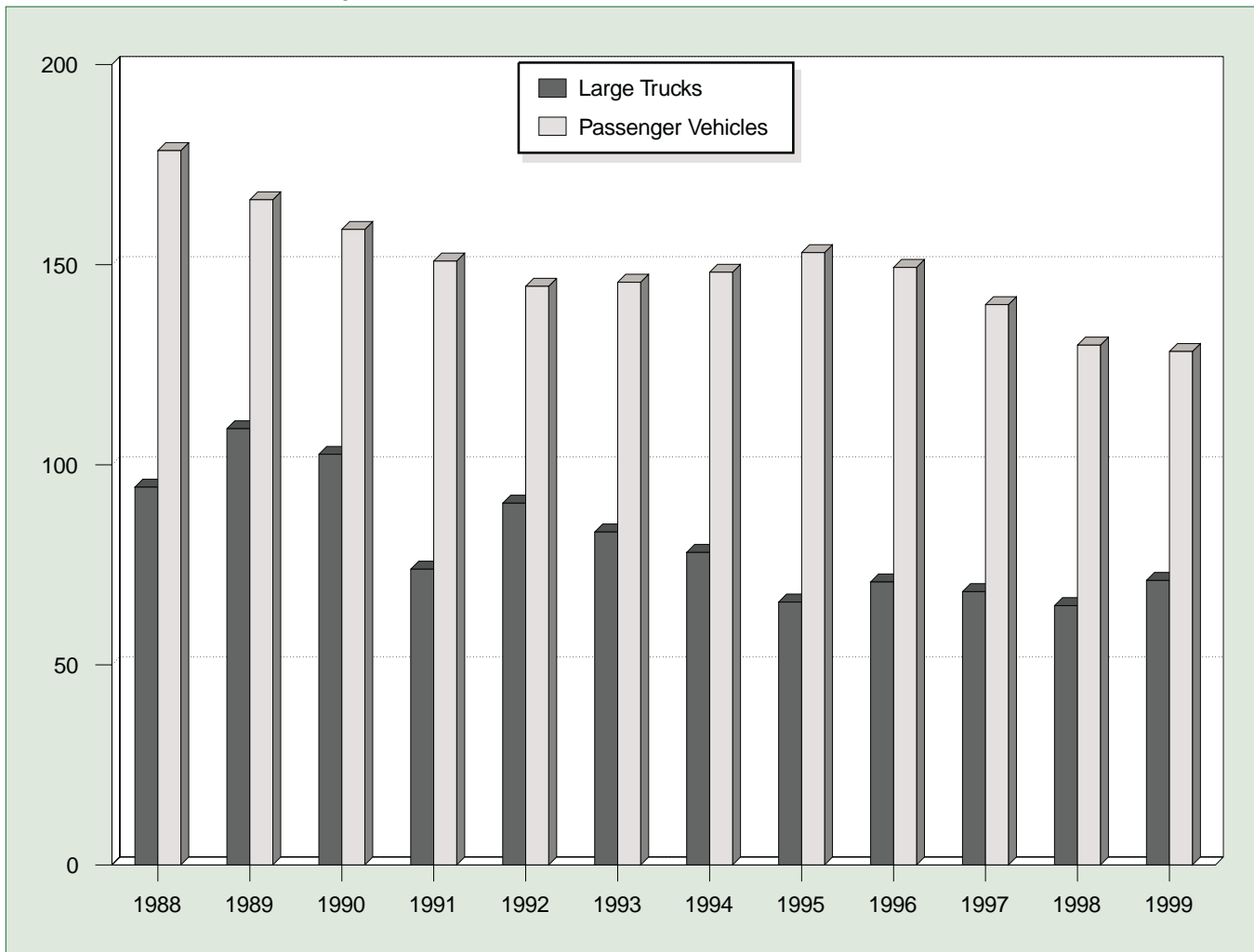
Figure 4. Large Trucks and Passenger Vehicles Involved in Injury Crashes per 100 Million Vehicle Miles Traveled, 1988-1999



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).

Sources: Vehicle Miles of Travel: Federal Highway Administration. Injury Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

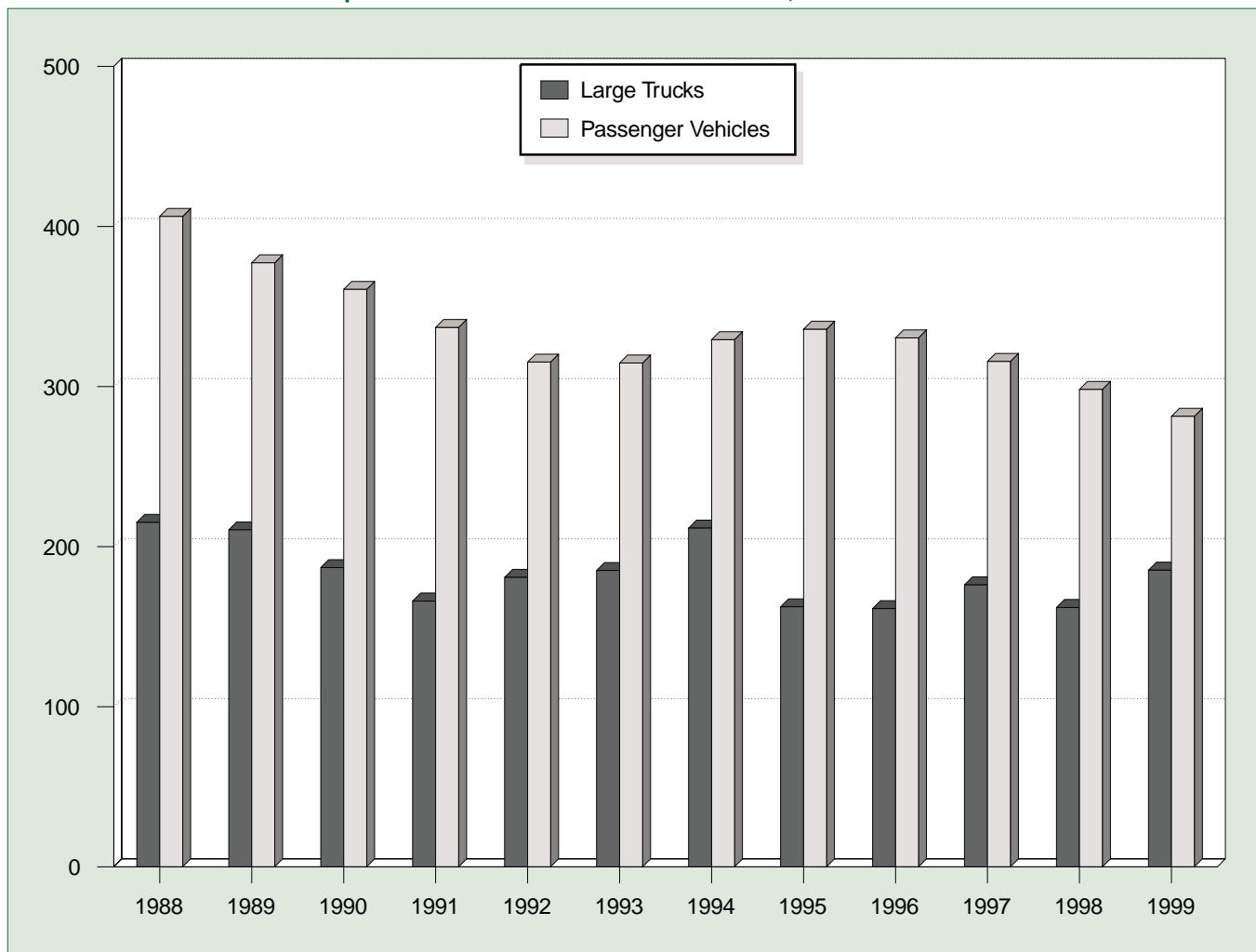
Figure 5. Persons Injured in Large Truck and Passenger Vehicle Crashes per 100 Million Vehicle Miles Traveled, 1988-1999



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 passenger vehicle is defined as a car or light truck (including pickups, vans, and sport utility vehicles).

Sources: Vehicle Miles of Travel: Federal Highway Administration. Injury 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 Crashes per 100 Million Vehicle Miles Traveled, 1988-1999



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).

Sources: Vehicle Miles of Travel: Federal Highway Administration. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 8. All Motor Vehicle Injury Crash Statistics, 1988-1999

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
1988	2,233,000	3,973,000	3,416,000	2,025,962	110.2	196.1	168.6	177,455,476
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	2,691,335	76.3	140.2	120.2	212,685,157

Note: "Persons Injured" includes all nonfatally injured persons in injury and fatal crashes.

Sources: Vehicle Miles of Travel: Federal Highway Administration. Registered Vehicles: Federal Highway Administration and R.L. Polk & Co. Injury Crashes, Vehicles Involved, and Injuries: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 9. All Motor Vehicle Property Damage Only (PDO) Crash Statistics, 1988-1999

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
1988	4,611,000	7,985,000	2,025,962	227.6	394.2	177,455,476
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	2,691,335	155.6	275.0	212,685,157

Sources: Vehicle Miles of Travel: Federal Highway Administration. Registered Vehicles: Federal Highway Administration and R.L. Polk & Co. PDO Crashes and Vehicles Involved: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 10. Vehicle Occupants Killed in Large Truck Crashes by Vehicle Type, 1975-1999

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	2,515	1,492	479	279	117	12	34	4,928

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 large motor vehicle used to carry more than 10 passengers, including school buses, inter-city buses, and transit buses.

Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 11. Nonmotorists and Vehicle Occupants Killed in Large Truck Crashes, 1975-1999

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	338	64	32	434	4,928	5,362

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 12. Drivers in Fatal Crashes by Vehicle Type and Blood Alcohol Concentration, 1982-1999

Year	Large Truck			Passenger Car		
	Total Drivers	BAC=0.01+	BAC=0.10+	Total Drivers	BAC=0.01+	BAC=0.10+
1982	4,582	8.0%	4.3%	34,121	39.9%	30.6%
1983	4,790	7.7%	4.5%	33,069	38.6%	29.7%
1984	5,056	7.6%	4.3%	34,395	36.4%	27.6%
1985	5,091	6.1%	3.6%	34,072	34.6%	26.1%
1986	5,015	5.4%	2.9%	35,959	34.7%	25.8%
1987	5,046	4.4%	2.7%	36,371	33.7%	25.1%
1988	5,141	4.8%	2.8%	36,769	33.3%	25.0%
1989	4,903	5.3%	2.7%	35,204	31.8%	24.0%
1990	4,709	5.0%	2.3%	33,893	32.0%	24.3%
1991	4,291	4.4%	2.0%	31,102	30.6%	23.4%
1992	3,980	3.1%	1.5%	29,670	29.0%	21.9%
1993	4,271	3.3%	1.6%	30,060	27.3%	20.7%
1994	4,592	2.8%	1.4%	30,103	25.6%	19.4%
1995	4,410	3.1%	1.4%	30,773	25.7%	19.2%
1996	4,688	2.7%	1.4%	30,451	25.5%	18.8%
1997	4,859	2.1%	1.1%	29,896	24.3%	18.2%
1998	4,905	2.4%	1.0%	28,007	21.5%	15.3%
1999	4,847	2.2%	1.1%	27,806	23.4%	17.5%

Year	Light Truck			Motorcycle		
	Total Drivers	BAC=0.01+	BAC=0.10+	Total Drivers	BAC=0.01+	BAC=0.10+
1982	11,199	43.4%	34.7%	4,490	53.5%	40.5%
1983	11,017	41.5%	33.3%	4,288	54.2%	40.8%
1984	11,866	39.3%	30.6%	4,650	53.6%	40.2%
1985	12,372	36.3%	28.7%	4,598	52.8%	39.3%
1986	13,208	37.1%	29.4%	4,558	54.4%	40.9%
1987	14,407	36.8%	28.7%	4,061	51.3%	38.2%
1988	15,167	37.0%	29.4%	3,704	49.9%	36.3%
1989	15,579	35.4%	28.2%	3,182	52.5%	39.7%
1990	15,501	36.1%	28.8%	3,269	52.1%	39.3%
1991	14,702	35.6%	28.2%	2,816	51.0%	38.6%
1992	14,540	32.6%	25.8%	2,435	47.8%	35.6%
1993	15,207	31.1%	24.7%	2,471	44.0%	32.8%
1994	16,235	29.0%	22.8%	2,330	40.3%	29.0%
1995	17,483	28.3%	22.2%	2,262	40.7%	29.2%
1996	18,057	27.7%	21.9%	2,172	42.0%	30.3%
1997	18,502	26.0%	20.2%	2,159	38.9%	27.8%
1998	19,247	25.8%	19.8%	2,333	39.6%	30.5%
1999	19,801	25.7%	19.8%	2,515	37.8%	27.6%

Notes: Blood alcohol concentration (BAC) of 0.01 grams per deciliter (g/dl) or above (BAC=0.01+) indicates driver alcohol involvement. BAC of 0.10 g/dl or greater (BAC=0.10+) 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 13. Combination Truck Fatal Crash Statistics, 1975-1999

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	6.0	6.4	7.4	1,130,747
1976	3,260	3,439	838	3,948	49,680	6.6	6.9	7.9	1,224,917
1977	3,613	3,830	932	4,305	55,682	6.5	6.9	7.7	1,239,613
1978	4,066	4,305	1,001	4,825	62,992	6.5	6.8	7.7	1,341,707
1979	4,307	4,574	1,041	5,148	66,992	6.4	6.8	7.7	1,386,374
1980	3,731	3,957	904	4,473	68,678	5.4	5.8	6.5	1,416,869
1981	3,863	4,070	850	4,594	69,134	5.6	5.9	6.6	1,261,202
1982	3,519	3,708	744	4,226	70,765	5.0	5.2	6.0	1,265,321
1983	3,645	3,839	756	4,365	73,586	5.0	5.2	5.9	1,304,041
1984	3,907	4,122	872	4,605	77,377	5.0	5.3	6.0	1,340,144
1985	3,892	4,124	772	4,655	78,063	5.0	5.3	6.0	1,403,266
1986	3,825	4,060	718	4,493	81,038	4.7	5.0	5.5	1,407,783
1987	3,746	3,971	675	4,403	85,495	4.4	4.6	5.2	1,529,824
1988	3,939	4,212	731	4,609	88,551	4.4	4.8	5.2	1,667,327
1989	3,680	3,909	671	4,372	91,879	4.0	4.3	4.8	1,707,182
1990	3,583	3,780	520	4,217	94,341	3.8	4.0	4.5	1,708,895
1991	3,071	3,266	493	3,635	96,645	3.2	3.4	3.8	1,691,331
1992	2,881	3,033	429	3,376	99,510	2.9	3.0	3.4	1,675,363
1993	3,092	3,261	446	3,699	103,116	3.0	3.2	3.6	1,680,305
1994	3,248	3,432	477	3,860	108,932	3.0	3.2	3.5	1,681,500
1995	3,129	3,319	472	3,723	115,451	2.7	2.9	3.2	1,695,751
1996	3,325	3,570	448	3,921	118,899	2.8	3.0	3.3	1,746,586
1997	3,491	3,711	512	4,122	124,584	2.8	3.0	3.3	1,789,968
1998	3,465	3,747	531	4,143	128,359	2.7	2.9	3.2	1,997,345
1999	3,431	3,700	572	4,109	131,365	2.6	2.8	3.1	2,028,562

Note: 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.

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).

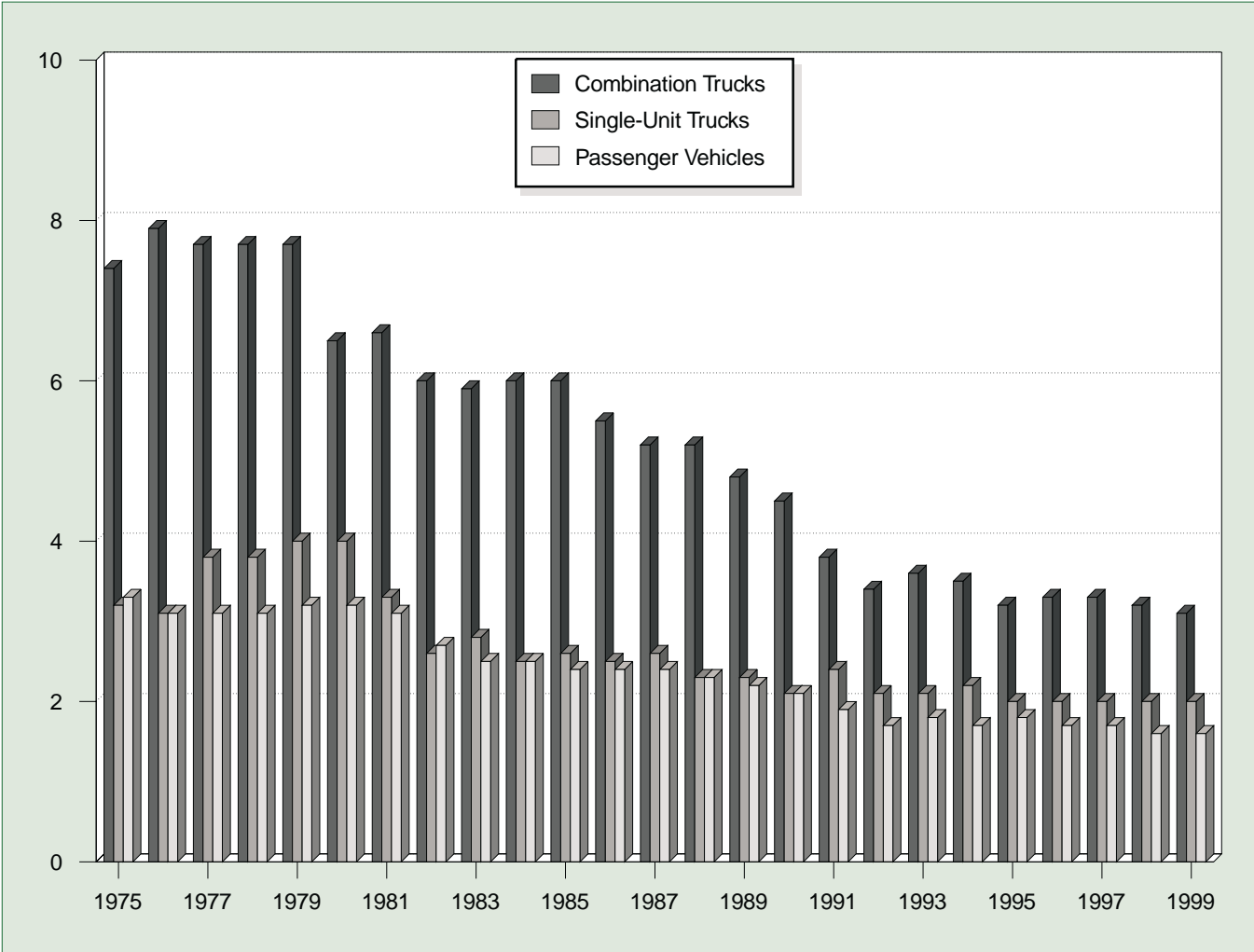
Table 14. Single-Unit Truck Fatal Crash Statistics, 1975-1999

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	2.7	2.8	3.2	4,231,622
1976	978	996	294	1,125	36,390	2.7	2.7	3.1	4,350,268
1977	1,306	1,334	355	1,502	39,339	3.3	3.4	3.8	4,450,290
1978	1,419	1,454	394	1,630	42,747	3.3	3.4	3.8	4,518,100
1979	1,472	1,510	391	1,670	42,012	3.5	3.6	4.0	4,505,197
1980	1,388	1,422	358	1,590	39,813	3.5	3.6	4.0	4,373,784
1981	1,130	1,160	283	1,298	39,568	2.9	2.9	3.3	4,455,076
1982	922	938	200	1,056	40,658	2.3	2.3	2.6	4,325,094
1983	1,019	1,038	226	1,182	42,546	2.4	2.4	2.8	4,204,351
1984	986	1,002	202	1,114	44,419	2.2	2.3	2.5	4,060,931
1985	1,016	1,029	205	1,163	45,441	2.2	2.3	2.6	4,593,071
1986	1,018	1,037	208	1,158	45,637	2.2	2.3	2.5	4,313,097
1987	1,118	1,137	177	1,259	48,022	2.3	2.4	2.6	4,188,442
1988	1,014	1,029	180	1,143	49,434	2.1	2.1	2.3	4,469,557
1989	1,056	1,075	187	1,192	50,870	2.1	2.1	2.3	4,519,300
1990	979	996	185	1,106	51,901	1.9	1.9	2.1	4,486,981
1991	1,072	1,081	168	1,251	52,898	2.0	2.0	2.4	4,480,815
1992	987	1,002	156	1,137	53,874	1.8	1.9	2.1	4,369,842
1993	1,054	1,067	159	1,214	56,772	1.9	1.9	2.1	4,407,850
1994	1,188	1,212	193	1,354	61,284	1.9	2.0	2.2	4,906,385
1995	1,133	1,153	176	1,275	62,705	1.8	1.8	2.0	5,023,669
1996	1,160	1,185	173	1,313	64,072	1.8	1.8	2.0	5,266,029
1997	1,194	1,206	211	1,369	66,893	1.8	1.8	2.0	5,293,358
1998	1,185	1,208	211	1,331	68,021	1.7	1.8	2.0	5,734,925
1999	1,185	1,198	186	1,345	67,916	1.7	1.8	2.0	5,763,864

Note: 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.

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 7. Fatalities in Combination Truck, Single-Unit Truck, and Passenger Vehicle Crashes per 100 Million Vehicle Miles Traveled, 1975-1999



Note: 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).

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 15. Combination Truck Injury Crash Statistics, 1988-1999

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
1988	54,000	55,000	76,000	88,551	60.8	62.0	86.2	1,667,327
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	131,365	40.8	43.3	60.2	2,028,562

Note: 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.

Note: "Persons Injured" includes all nonfatally injured persons in injury and fatal crashes.

Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Injuries: National Highway Traffic Safety Administration, General Estimates System (GES).

Table 16. Combination Truck Property Damage Only (PDO) Crash Statistics, 1988-1999

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
1988	182,000	186,000	88,551	206.0	209.5	1,667,327
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	131,365	133.9	140.0	2,028,562

Note: 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.

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 17. Single-Unit Truck Injury Crash Statistics, 1988-1999

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
1988	41,000	41,000	55,000	49,434	82.3	82.8	111.2	4,469,557
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	67,916	62.9	64.4	95.6	5,763,864

Note: 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.

Note: "Persons Injured" includes all nonfatally injured persons in injury and fatal crashes.

Sources: Vehicle Miles of Travel and Registered Vehicles: Federal Highway Administration. Injury Crashes, Vehicles Involved, and Injuries: National Highway Traffic Safety Administration, General Estimates System (GES).

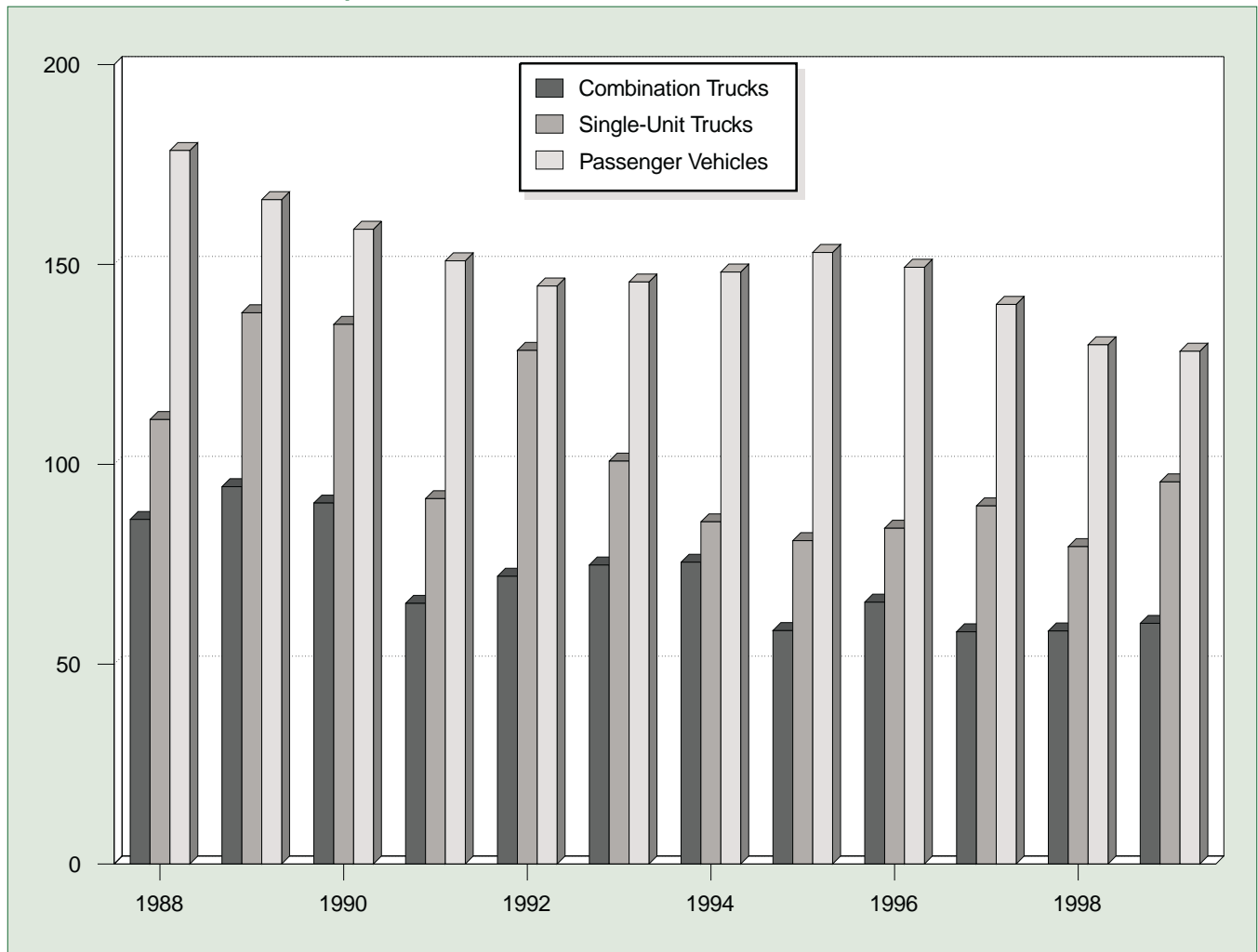
Table 18. Single-Unit Truck Property Damage Only (PDO) Crash Statistics, 1988-1999

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
1988	110,000	111,000	49,434	222.4	225.5	4,469,557
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	67,916	266.3	272.9	5,763,864

Note: 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.

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 8. Persons Injured in Combination Truck, Single-Unit Truck, and Passenger Vehicle Crashes per 100 Million Vehicle Miles Traveled, 1988-1999



Note: "Persons Injured" includes all nonfatally injured persons in injury and fatal crashes.
 Note: 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).

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 19. Large Truck and Passenger Vehicle Fatal Crashes per 100 Million Vehicle Miles Traveled by Roadway Function Class, 1981-1999

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

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).
 Sources: Vehicle Miles of Travel: Federal Highway Administration. Fatal Crashes: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 20. Fatalities in Crashes Involving Large Trucks by State, 1990-1999

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Alabama	160	155	135	175	171	160	152	172	158	161
Alaska	2	8	6	5	5	8	6	7	2	5
Arizona	74	71	78	79	94	90	98	73	125	108
Arkansas	88	105	88	108	91	102	104	135	109	96
California	465	414	390	406	386	433	390	409	378	363
Colorado	46	34	55	68	61	53	63	80	61	71
Connecticut	38	28	22	27	27	29	34	25	28	21
Delaware	17	17	19	24	11	9	14	17	17	11
District of Columbia	3	2	1	3	2	1	4	4	1	2
Florida	222	279	282	319	310	290	305	308	352	350
Georgia	226	163	176	185	214	201	220	254	223	248
Hawaii	13	10	6	5	5	3	13	3	3	3
Idaho	34	33	28	14	38	38	40	34	28	31
Illinois	214	178	155	168	178	171	152	166	184	211
Indiana	162	144	143	158	157	165	166	158	181	205
Iowa	76	93	60	93	77	88	84	89	92	112
Kansas	74	51	59	69	59	68	64	96	86	96
Kentucky	136	112	100	110	109	106	100	115	112	94
Louisiana	134	114	93	91	119	97	107	132	157	128
Maine	22	24	23	24	27	28	15	23	23	25
Maryland	92	65	69	55	79	59	70	84	63	54
Massachusetts	47	25	23	37	45	36	39	39	35	37
Michigan	142	143	117	124	186	172	162	150	159	138
Minnesota	80	80	83	75	88	78	77	102	87	91
Mississippi	93	78	109	103	98	123	99	106	130	118
Missouri	161	143	134	114	148	97	167	158	183	178
Montana	21	25	28	15	20	30	21	27	21	19
Nebraska	47	47	51	49	52	45	63	53	43	59
Nevada	27	21	26	25	28	31	44	31	38	44
New Hampshire	14	7	16	11	8	10	12	12	10	11
New Jersey	87	89	79	92	84	96	86	92	72	60
New Mexico	43	62	54	38	44	47	56	53	46	66
New York	226	210	158	160	210	149	161	161	143	167
North Carolina	206	187	153	218	207	198	183	231	247	200
North Dakota	10	12	16	20	9	12	12	12	11	25
Ohio	280	200	190	205	222	217	224	220	200	216
Oklahoma	82	71	70	95	83	91	99	105	134	103
Oregon	72	80	59	73	64	72	64	80	74	49
Pennsylvania	187	216	185	202	221	196	185	196	181	227
Rhode Island	6	7	6	7	6	3	6	2	3	9
South Carolina	166	91	92	104	104	104	111	90	128	117
South Dakota	12	23	20	22	17	14	24	20	15	23
Tennessee	143	127	103	132	146	129	175	145	125	182
Texas	346	359	338	370	412	381	450	455	479	433
Utah	32	29	24	27	32	34	36	57	54	43
Vermont	5	15	12	17	10	15	10	18	9	11
Virginia	146	113	119	100	132	98	121	130	131	107
Washington	73	61	57	67	54	75	73	89	72	63
West Virginia	82	44	59	51	61	53	60	60	42	65
Wisconsin	119	132	81	104	111	96	105	95	107	81
Wyoming	19	24	12	13	22	17	16	25	33	25
U.S. Total	5,272	4,821	4,462	4,856	5,144	4,918	5,142	5,398	5,395	5,362

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 21. Fatal Crashes Involving Large Trucks by State, 1990-1999

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Alabama	141	128	120	145	145	133	137	155	136	136
Alaska	2	8	4	4	5	8	6	7	1	5
Arizona	67	54	61	66	79	72	77	67	93	94
Arkansas	74	92	75	96	81	84	93	101	93	86
California	397	344	324	326	319	342	340	338	319	304
Colorado	43	33	50	53	55	48	54	73	46	60
Connecticut	34	22	20	26	24	24	31	22	28	19
Delaware	14	15	19	20	11	9	13	14	16	9
District of Columbia	3	2	1	2	2	1	4	3	1	2
Florida	182	239	245	275	268	260	260	265	297	294
Georgia	198	141	156	151	182	171	192	208	189	204
Hawaii	8	7	6	5	4	3	11	3	3	3
Idaho	26	26	23	11	36	27	37	28	23	25
Illinois	189	155	137	146	155	153	134	155	165	178
Indiana	146	130	122	133	139	149	144	143	156	167
Iowa	67	73	53	76	69	64	73	74	77	92
Kansas	65	41	51	61	48	57	59	78	72	78
Kentucky	116	95	84	95	91	99	87	100	94	86
Louisiana	110	95	82	76	107	79	87	118	128	109
Maine	20	21	20	20	20	22	13	21	21	23
Maryland	86	61	59	47	69	48	65	78	57	53
Massachusetts	42	24	23	34	41	33	32	37	31	35
Michigan	126	127	104	106	161	148	138	124	139	125
Minnesota	67	68	64	61	75	71	58	87	75	83
Mississippi	83	68	88	79	76	98	83	91	102	104
Missouri	134	124	110	96	123	89	143	133	145	144
Montana	19	22	21	12	17	26	19	24	18	15
Nebraska	42	39	32	46	43	41	45	46	39	52
Nevada	20	15	21	23	27	27	39	26	32	38
New Hampshire	10	7	15	8	8	7	11	12	10	9
New Jersey	80	83	67	73	70	91	79	79	66	56
New Mexico	34	52	46	35	36	39	46	45	40	43
New York	198	188	143	139	190	142	140	141	128	144
North Carolina	168	155	132	183	175	163	155	181	213	178
North Dakota	10	11	14	16	8	7	9	11	7	18
Ohio	237	166	171	178	180	187	181	185	174	183
Oklahoma	68	61	64	75	70	80	83	89	99	80
Oregon	58	64	48	60	58	62	52	68	65	41
Pennsylvania	172	190	163	172	190	170	169	181	162	187
Rhode Island	6	7	5	6	6	3	6	2	3	9
South Carolina	145	81	77	90	81	85	91	82	109	104
South Dakota	10	19	18	17	15	12	18	15	14	18
Tennessee	113	106	88	116	130	112	152	126	113	146
Texas	296	299	293	326	314	316	391	384	401	366
Utah	22	23	20	25	26	26	32	45	45	39
Vermont	5	14	12	13	9	12	9	14	9	8
Virginia	121	94	99	81	116	91	104	115	112	94
Washington	70	52	46	58	51	60	65	73	63	55
West Virginia	61	39	46	41	56	47	51	49	38	48
Wisconsin	96	99	72	86	93	83	84	77	86	72
Wyoming	17	18	11	12	19	13	11	21	26	21
U.S. Total	4,518	4,097	3,825	4,101	4,373	4,194	4,413	4,614	4,579	4,542

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 22. Large Trucks Involved in Fatal Crashes by State, 1990-1999

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Alabama	152	130	127	149	153	144	141	167	149	143
Alaska	2	8	4	4	5	8	7	7	1	5
Arizona	69	56	64	68	80	79	79	72	98	108
Arkansas	77	93	84	100	85	96	98	113	105	92
California	423	382	346	344	350	364	366	369	365	319
Colorado	43	33	52	56	55	51	55	75	52	60
Connecticut	37	23	20	26	26	25	32	23	29	22
Delaware	15	17	19	21	12	9	16	16	18	10
District of Columbia	3	2	1	2	2	1	4	3	1	2
Florida	187	258	251	287	290	281	279	284	313	327
Georgia	208	151	164	161	193	189	211	218	197	220
Hawaii	8	7	6	5	4	3	11	3	4	3
Idaho	27	26	23	11	37	29	39	30	23	25
Illinois	203	162	151	152	168	158	147	166	186	193
Indiana	157	141	128	143	148	160	160	160	180	191
Iowa	67	78	58	82	75	68	86	75	81	99
Kansas	69	42	53	62	50	59	62	81	78	82
Kentucky	121	98	91	101	94	101	92	108	99	94
Louisiana	117	96	83	81	111	86	89	124	142	118
Maine	22	23	20	21	20	24	13	21	21	25
Maryland	87	68	62	47	76	49	66	88	66	57
Massachusetts	44	24	25	34	41	33	34	38	38	35
Michigan	128	130	113	115	173	163	159	127	146	131
Minnesota	69	70	67	63	75	76	65	88	79	86
Mississippi	93	70	98	81	85	103	88	99	108	110
Missouri	140	130	112	101	128	93	150	139	155	155
Montana	21	23	21	12	17	26	19	24	18	15
Nebraska	45	40	34	57	44	41	48	46	40	58
Nevada	21	19	21	25	28	32	40	27	34	41
New Hampshire	10	7	16	8	8	8	12	12	10	9
New Jersey	81	86	73	74	75	102	82	80	71	59
New Mexico	36	55	47	35	37	40	53	51	44	48
New York	206	190	146	141	195	148	150	144	130	149
North Carolina	176	167	136	197	186	178	166	195	232	189
North Dakota	10	11	14	18	9	8	10	12	8	18
Ohio	250	173	177	188	197	201	205	203	187	200
Oklahoma	72	66	66	83	71	83	89	97	105	82
Oregon	60	67	53	62	63	66	58	77	67	48
Pennsylvania	187	214	179	193	203	184	184	193	178	207
Rhode Island	6	7	5	8	6	3	6	2	3	9
South Carolina	159	89	80	91	88	90	98	89	118	123
South Dakota	10	20	19	17	15	15	18	15	14	18
Tennessee	131	113	98	122	137	115	165	130	133	165
Texas	308	313	307	347	333	333	411	411	425	384
Utah	23	32	20	26	27	28	33	47	49	41
Vermont	5	14	12	13	10	12	9	15	10	8
Virginia	129	103	110	91	126	93	118	120	115	107
Washington	73	56	47	60	53	64	69	77	70	59
West Virginia	65	40	47	41	57	50	58	52	40	50
Wisconsin	105	106	74	90	103	85	94	80	90	74
Wyoming	19	18	11	12	20	15	11	24	30	25
U.S. Total	4,776	4,347	4,035	4,328	4,644	4,472	4,755	4,917	4,955	4,898

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 23. Large Trucks Involved in Single-Vehicle Fatal Crashes by State, 1990-1999

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Alabama	22	25	20	22	21	14	23	23	22	23
Alaska	0	2	0	1	2	4	1	4	0	0
Arizona	15	7	11	17	19	16	15	14	22	13
Arkansas	13	19	12	16	7	16	24	17	18	13
California	78	79	81	75	72	86	95	94	69	82
Colorado	9	12	9	8	11	9	9	18	12	12
Connecticut	9	8	5	6	9	4	9	7	10	3
Delaware	1	3	2	2	0	0	3	3	3	2
District of Columbia	1	0	0	0	2	1	2	0	0	1
Florida	22	50	45	42	48	51	41	50	46	35
Georgia	33	16	25	15	19	28	32	23	25	32
Hawaii	4	0	2	1	0	1	4	2	0	0
Idaho	5	7	3	4	7	5	5	6	4	5
Illinois	50	29	27	26	23	33	16	37	19	27
Indiana	23	20	16	21	24	27	18	19	15	30
Iowa	10	14	6	7	7	3	7	14	5	7
Kansas	10	4	8	5	11	8	11	15	7	11
Kentucky	25	24	16	17	5	19	16	20	18	24
Louisiana	13	15	22	12	18	15	19	23	24	13
Maine	6	2	2	6	2	3	2	6	5	4
Maryland	23	17	11	12	11	6	9	12	6	13
Massachusetts	10	6	1	8	11	7	9	10	6	8
Michigan	11	12	19	12	21	13	17	14	18	17
Minnesota	8	12	6	10	8	6	7	13	9	12
Mississippi	17	14	14	11	12	14	19	10	14	13
Missouri	22	21	16	13	21	18	18	15	25	31
Montana	3	5	9	4	6	5	2	9	8	4
Nebraska	9	6	5	11	8	7	5	8	8	5
Nevada	5	1	6	1	6	7	6	8	7	13
New Hampshire	1	1	3	2	3	0	1	4	2	2
New Jersey	15	13	13	13	11	12	16	10	14	16
New Mexico	8	21	10	10	15	14	11	15	13	9
New York	67	55	43	38	61	43	44	44	42	52
North Carolina	26	25	16	29	24	27	15	18	43	29
North Dakota	5	4	4	1	0	1	0	2	1	0
Ohio	37	30	37	31	25	28	14	26	27	32
Oklahoma	13	9	19	12	13	13	17	19	11	15
Oregon	14	12	8	13	18	19	6	12	17	9
Pennsylvania	35	36	32	28	35	30	26	31	28	30
Rhode Island	3	3	0	1	3	2	5	1	1	2
South Carolina	31	7	13	15	12	12	11	13	17	9
South Dakota	0	2	6	0	5	2	3	3	3	6
Tennessee	21	26	12	11	20	17	26	30	15	28
Texas	53	58	59	45	76	65	59	67	82	58
Utah	5	5	5	9	8	5	7	11	14	11
Vermont	1	3	4	3	2	3	1	5	1	1
Virginia	29	19	21	18	26	14	19	24	31	18
Washington	13	8	10	14	13	11	15	11	10	8
West Virginia	14	9	3	9	11	11	15	4	5	10
Wisconsin	11	15	9	8	12	13	5	11	9	5
Wyoming	6	6	2	2	5	2	4	5	6	5
U.S. Total	865	797	728	697	809	770	764	860	817	808

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 24. Large Trucks Involved in Multiple-Vehicle Fatal Crashes by State, 1990-1999

State	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Alabama	119	103	100	123	124	119	114	132	114	113
Alaska	2	6	4	3	3	4	5	3	1	5
Arizona	52	47	50	49	60	56	62	53	71	81
Arkansas	61	73	63	80	74	68	69	84	75	73
California	319	265	243	251	247	256	245	244	250	222
Colorado	34	21	41	45	44	39	45	55	34	48
Connecticut	25	14	15	20	15	20	22	15	18	16
Delaware	13	12	17	18	11	9	10	11	13	7
District of Columbia	2	2	1	2	0	0	2	3	1	1
Florida	160	189	200	233	220	209	219	215	251	259
Georgia	165	125	131	136	163	143	160	185	164	172
Hawaii	4	7	4	4	4	2	7	1	3	3
Idaho	21	19	20	7	29	22	32	22	19	20
Illinois	139	126	110	120	132	120	118	118	146	151
Indiana	123	110	106	112	115	122	126	124	141	137
Iowa	57	59	47	69	62	61	66	60	72	85
Kansas	55	37	43	56	37	49	48	63	65	67
Kentucky	91	71	68	78	86	80	71	80	76	62
Louisiana	97	80	60	64	89	64	68	95	104	96
Maine	14	19	18	14	18	19	11	15	16	19
Maryland	63	44	48	35	58	42	56	66	51	40
Massachusetts	32	18	22	26	30	26	23	27	25	27
Michigan	115	115	85	94	140	135	121	110	121	108
Minnesota	59	56	58	51	67	65	51	74	66	71
Mississippi	66	54	74	68	64	84	64	81	88	91
Missouri	112	103	94	83	102	71	125	118	120	113
Montana	16	17	12	8	11	21	17	15	10	11
Nebraska	33	33	27	35	35	34	40	38	31	47
Nevada	15	14	15	22	21	20	33	18	25	25
New Hampshire	9	6	12	6	5	7	10	8	8	7
New Jersey	65	70	54	60	59	79	63	69	52	40
New Mexico	26	31	36	25	21	25	35	30	27	34
New York	131	133	100	101	129	99	96	97	86	92
North Carolina	142	130	116	154	151	136	140	163	170	149
North Dakota	5	7	10	15	8	6	9	9	6	18
Ohio	200	136	134	147	155	159	167	159	147	151
Oklahoma	55	52	45	63	57	67	66	70	88	65
Oregon	44	52	40	47	40	43	46	56	48	32
Pennsylvania	137	154	131	144	155	140	143	150	134	157
Rhode Island	3	4	5	5	3	1	1	1	2	7
South Carolina	114	74	64	75	69	73	80	69	92	95
South Dakota	10	17	12	17	10	10	15	12	11	12
Tennessee	92	80	76	105	110	95	126	96	98	118
Texas	243	241	234	281	238	251	332	317	319	308
Utah	17	18	15	16	18	21	25	34	31	28
Vermont	4	11	8	10	7	9	8	9	8	7
Virginia	92	75	78	63	90	77	85	91	81	76
Washington	57	44	36	44	38	49	50	62	53	47
West Virginia	47	30	43	32	45	36	36	45	33	38
Wisconsin	85	84	63	78	81	70	79	66	77	67
Wyoming	11	12	9	10	14	11	7	16	20	16
U.S. Total	3,653	3,300	3,097	3,404	3,564	3,424	3,649	3,754	3,762	3,734

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 453,000 police-reported crashes involving large trucks, 4,542 (1 percent) resulted in at least one fatality, and 101,000 (22 percent) resulted in at least one nonfatal injury.
- ◆ Single-vehicle crashes made up 18 percent of all fatal crashes, 17 percent of all injury crashes, and 28 percent of all property damage only crashes involving large trucks.
- ◆ Two-thirds (67 percent) of all fatal crashes involving large trucks occurred on rural roads, and nearly one-fourth (24 percent) occurred on Interstate highways.
- ◆ One-third of all fatal crashes and one-fifth of all property damage only crashes involving large trucks occurred at night.
- ◆ The vast majority of fatal crashes (85 percent) and of nonfatal crashes (86 percent) involving large trucks occurred on weekdays (Monday through Friday).
- ◆ Collision with a vehicle in transport was the first harmful event in 78 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 in only 3 percent of all nonfatal crashes involving large trucks.

Table 25. Crashes Involving Large Trucks by First Harmful Event and Crash Severity

First Harmful Event	Single-Vehicle		Multiple-Vehicle		Total	
	Number	Percent	Number	Percent	Number	Percent
Fatal Crashes						
Collision with Vehicle in Transport	0	0.0%	3,544	94.9%	3,544	78.0%
Collision with Fixed Object	232	28.7%	86	2.3%	318	7.0%
Collision with Pedestrian	257	31.8%	27	0.7%	284	6.3%
Overturn (Rollover)	156	19.3%	39	1.0%	195	4.3%
Collision with Pedalcycle	57	7.1%	7	0.2%	64	1.4%
Collision with Parked Motor Vehicle	31	3.8%	5	0.1%	36	0.8%
Collision with Train	16	2.0%	0	0.0%	16	0.4%
Collision with Other Object	9	1.1%	5	0.1%	14	0.3%
Collision with Animal	6	0.7%	1	0.0%	7	0.2%
Explosion/Fire	1	0.1%	0	0.0%	1	0.0%
Other	20	2.5%	11	0.3%	31	0.7%
Unknown	23	2.8%	9	0.2%	32	0.7%
Total	808	100.0%	3,734	100.0%	4,542	100.0%
Injury Crashes						
Collision with Vehicle in Transport	*	*	76,000	96.5%	76,000	79.7%
Collision with Fixed Object	5,000	30.8%	1,000	1.6%	6,000	6.7%
Collision with Pedestrian	2,000	14.3%	*	*	2,000	2.5%
Overturn (Rollover)	7,000	39.6%	1,000	0.7%	7,000	7.5%
Collision with Pedalcycle	1,000	8.5%	*	*	1,000	1.5%
Collision with Parked Motor Vehicle	*	0.8%	*	*	*	0.2%
Collision with Train	*	0.8%	*	*	*	0.1%
Collision with Other Object	*	0.5%	*	0.1%	*	0.2%
Collision with Animal	*	0.3%	*	*	*	0.1%
Jackknife	*	2.2%	*	0.3%	1,000	0.7%
Explosion/Fire	*	*	*	0.1%	*	0.1%
Other	*	2.1%	*	0.6%	1,000	0.9%
Total	17,000	100.0%	79,000	100.0%	95,000	100.0%
Property Damage Only Crashes						
Collision with Vehicle in Transport	*	*	236,000	92.7%	236,000	67.0%
Collision with Fixed Object	25,000	25.4%	2,000	0.9%	27,000	7.7%
Collision with Pedestrian	*	*	*	*	*	*
Overturn (Rollover)	5,000	5.2%	*	*	5,000	1.4%
Collision with Pedalcycle	*	0.3%	*	*	*	0.1%
Collision with Parked Motor Vehicle	53,000	54.3%	*	0.1%	53,000	15.2%
Collision with Train	*	0.4%	*	*	*	0.1%
Collision with Other Object	3,000	3.1%	1,000	0.2%	4,000	1.0%
Collision with Animal	5,000	5.4%	*	*	5,000	1.5%
Jackknife	2,000	2.5%	*	0.1%	3,000	0.8%
Explosion/Fire	*	0.5%	*	*	1,000	0.1%
Other	3,000	2.9%	15,000	6.0%	18,000	5.1%
Total	98,000	100.0%	255,000	100.0%	353,000	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 26. Fatal Crashes Involving Large Trucks by Speed Limit

Speed Limit	Single-Vehicle Crashes		Multiple-Vehicle Crashes		Total	
	Number	Percent	Number	Percent	Number	Percent
25 mph or Less	53	6.6%	52	1.4%	105	2.3%
30 - 35 mph	104	12.9%	231	6.2%	335	7.4%
40 - 45 mph	90	11.1%	560	15.0%	650	14.3%
50 - 55 mph	295	36.5%	1,683	45.1%	1,978	43.5%
60 - 65 mph	145	17.9%	742	19.9%	887	19.5%
70 - 75 mph	88	10.9%	420	11.2%	508	11.2%
No Statutory Limit	8	1.0%	11	0.3%	19	0.4%
Unknown	25	3.1%	35	0.9%	60	1.3%
Total	808	100.0%	3,734	100.0%	4,542	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 27. Fatal Crashes Involving Large Trucks by Roadway Function Class

Rural			Urban		
Roadway Function Class	Number	Percent	Roadway Function Class	Number	Percent
Interstate	681	15.0%	Interstate	415	9.1%
Other Principal Arterial	1,031	22.7%	Freeway/Expressway	147	3.2%
Minor Arterial	567	12.5%	Other Principal Arterial	474	10.4%
Major Collector	453	10.0%	Minor Arterial	224	4.9%
Minor Collector	111	2.4%	Collector	54	1.2%
Local Road	197	4.3%	Local Road	137	3.0%
Unknown	24	0.5%	Unknown	4	0.1%
Total Rural	3,064	67.5%	Total Urban	1,455	32.0%
Unknown Rural or Urban	23	0.5%	Total Fatal Crashes	4,542	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 28. Crashes Involving Large Trucks by Time of Day and Crash Severity

Time of Day	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
12am - 3am	351	7.7%	4,000	4.2%	11,000	3.1%
3am - 6am	405	8.9%	3,000	3.2%	12,000	3.4%
6am - 9am	647	14.2%	15,000	15.8%	53,000	15.0%
9am - 12pm	766	16.9%	21,000	22.1%	73,000	20.7%
12pm - 3pm	871	19.2%	22,000	23.2%	89,000	25.2%
3pm - 6pm	740	16.3%	17,000	17.9%	69,000	19.5%
6pm - 9pm	427	9.4%	8,000	8.4%	28,000	7.9%
9pm - 12am	333	7.3%	5,000	5.3%	19,000	5.4%
Unknown	2	*				
Daytime (6am - 6pm)	3,024	66.6%	75,000	78.9%	284,000	80.5%
Nighttime (6pm - 6am)	1,516	33.4%	20,000	21.1%	69,000	19.5%
Total	4,542	100.0%	95,000	100.0%	353,000	100.0%

*Less than 0.05%.

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 29. Crashes Involving Large Trucks by Day of Week and Crash Severity

Day of Week	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Sunday	293	6.5%	5,000	5.3%	20,000	5.7%
Monday	800	17.6%	16,000	16.8%	58,000	16.4%
Tuesday	775	17.1%	18,000	18.9%	62,000	17.6%
Wednesday	728	16.0%	18,000	18.9%	61,000	17.3%
Thursday	757	16.7%	14,000	14.7%	55,000	15.6%
Friday	751	16.5%	17,000	17.9%	63,000	17.8%
Saturday	438	9.6%	7,000	7.4%	34,000	9.6%
Total	4,542	100.0%	95,000	100.0%	353,000	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 30. Crashes Involving Large Trucks by Trafficway Flow and Crash Severity

Trafficway Flow	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Not Physically Divided	2,535	55.8%	43,000	45.3%	152,000	43.2%
Divided Median, No Barrier	1,450	31.9%	36,000	37.5%	96,000	27.2%
Divided Median, With Barrier	484	10.7%				
One-Way Traffic	38	0.8%	4,000	4.3%	15,000	4.2%
Unknown	35	0.8%	12,000	13.0%	90,000	25.4%
Total	4,542	100.0%	95,000	100.0%	353,000	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 31. Crashes Involving Large Trucks by Relation to Junction and Crash Severity

Relation to Junction	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Non-Interchange						
Non-Junction	2,823	62.2%	44,000	46.4%	175,000	49.5%
Intersection	1,100	24.2%	22,000	22.9%	46,000	12.9%
Intersection Related	156	3.4%	13,000	14.1%	70,000	19.8%
Driveway, Alley Access	115	2.5%	6,000	6.7%	29,000	8.2%
Entrance/Exit Ramp Related	43	0.9%	1,000	1.0%	3,000	0.8%
Rail Grade Crossing	19	0.4%	1,000	0.6%	2,000	0.6%
On Bridge	0	0.0%	1,000	1.4%	10,000	2.8%
In Crossover	27	0.6%	*	0.4%	1,000	0.4%
Other	0	0.0%	*	0.3%	*	0.1%
Unknown	4	0.1%				
<i>Subtotal</i>	<i>4,287</i>	<i>94.4%</i>	<i>89,000</i>	<i>93.9%</i>	<i>335,000</i>	<i>95.0%</i>
Interchange Area						
Non-Junction	0	0.0%	1,000	1.1%	2,000	0.6%
Intersection	86	1.9%	1,000	0.9%	2,000	0.4%
Intersection Related	10	0.2%	1,000	0.6%	4,000	1.0%
Driveway, Alley Access	0	0.0%	*	*	*	*
Entrance/Exit Ramp Related	51	1.1%	3,000	3.0%	10,000	2.8%
On Bridge	0	0.0%	*	0.1%	*	*
In Crossover	3	0.1%	*	*	*	*
Other	91	2.0%	*	0.2%	*	*
Unknown	14	0.3%				
<i>Subtotal</i>	<i>255</i>	<i>5.6%</i>	<i>6,000</i>	<i>6.1%</i>	<i>18,000</i>	<i>5.0%</i>
Unknown	<i>0</i>	<i>0.0%</i>				
Total	4,542	100.0%	95,000	100.0%	353,000	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 32. Crashes Involving Large Trucks by Relation to Roadway and Crash Severity

Relation to Roadway	Single-Vehicle		Multiple-Vehicle		Total	
	Number	Percent	Number	Percent	Number	Percent
Fatal Crashes						
On Roadway	410	50.7%	3,557	95.3%	3,967	87.3%
Shoulder	98	12.1%	70	1.9%	168	3.7%
Median	34	4.2%	47	1.3%	81	1.8%
Roadside	149	18.4%	41	1.1%	190	4.2%
Outside of Roadway	22	2.7%	1	0.0%	23	0.5%
Off Roadway, Location Unknown	87	10.8%	14	0.4%	101	2.2%
In Parking Lane	0	0.0%	0	0.0%	0	0.0%
Gore	5	0.6%	0	0.0%	5	0.1%
Separator	1	0.1%	2	0.1%	3	0.1%
Unknown	2	0.2%	2	0.1%	4	0.1%
Total	808	100.0%	3,734	100.0%	4,542	100.0%
Injury Crashes						
On Roadway	8,000	45.9%	76,000	97.2%	84,000	88.2%
Shoulder	1,000	4.7%	1,000	0.7%	1,000	1.4%
Median	1,000	4.8%	1,000	0.8%	1,000	1.5%
Roadside	4,000	26.2%	*	0.6%	5,000	5.1%
Outside of Roadway	2,000	10.6%	*	*	2,000	1.9%
Off Roadway, Location Unknown	1,000	6.2%	*	0.1%	1,000	1.2%
In Parking Lane	*	0.3%	*	0.1%	*	0.1%
Gore	*	1.0%	*	*	*	0.2%
Separator	*	*	*	0.1%	*	0.1%
Unknown	*	0.2%	*	0.4%	*	0.4%
Total	17,000	100.0%	79,000	100.0%	95,000	100.0%
Property Damage Only Crashes						
On Roadway	18,000	18.2%	251,000	98.6%	269,000	76.3%
Shoulder	3,000	3.4%	1,000	0.3%	4,000	1.1%
Median	2,000	1.7%	*	0.2%	2,000	0.6%
Roadside	15,000	15.2%	1,000	0.3%	16,000	4.4%
Outside of Roadway	4,000	3.9%	*	*	4,000	1.1%
Off Roadway, Location Unknown	6,000	6.0%	*	0.2%	6,000	1.8%
In Parking Lane	49,000	49.8%	1,000	0.2%	49,000	14.0%
Gore	*	*	*	0.2%	*	0.1%
Separator	*	0.2%	*	*	*	*
Unknown	2,000	1.7%	*	0.1%	2,000	0.6%
Total	98,000	100.0%	255,000	100.0%	353,000	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 33. Crashes Involving Large Trucks by Weather Conditions and Crash Severity

Weather Conditions	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Normal	3,971	87.4%	80,000	83.9%	304,000	86.1%
Rain	351	7.7%	10,000	10.4%	30,000	8.6%
Sleet	10	0.2%	*	0.3%	1,000	0.3%
Snow	90	2.0%	2,000	2.6%	10,000	2.9%
Fog	83	1.8%	1,000	0.7%	3,000	0.9%
Rain and Fog	9	0.2%	*	0.1%	*	0.1%
Sleet and Fog	1	0.0%	*	*	*	0.1%
Other	22	0.5%	2,000	2.0%	4,000	1.1%
Unknown	5	0.1%				
Total	4,542	100.0%	95,000	100.0%	353,000	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 34. Crashes Involving Large Trucks by Road Surface Conditions and Crash Severity

Road Surface Condition	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Dry	3,817	84.0%	75,000	78.9%	281,000	79.6%
Wet	566	12.5%	15,000	15.8%	52,000	14.7%
Snow or Slush	75	1.7%	2,000	2.1%	11,000	3.1%
Ice	70	1.5%	3,000	3.2%	7,000	2.0%
Sand, Dirt, Oil	3	0.1%	*	*	*	*
Other	4	0.1%	*	*	1,000	0.3%
Unknown	7	0.2%				
Total	4,542	100.0%	95,000	100.0%	353,000	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 35. Crashes Involving Large Trucks by Light Conditions and Crash Severity

Light Conditions	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Daylight	2,925	64.4%	74,000	77.9%	281,000	79.6%
Dark	1,033	22.7%	9,000	9.5%	31,000	8.8%
Dark but Lighted	391	8.6%	9,000	9.5%	32,000	9.1%
Dawn	133	2.9%	1,000	1.1%	4,000	1.1%
Dusk	58	1.3%	2,000	2.1%	5,000	1.4%
Unknown	2	*				
Total	4,542	100.0%	95,000	100.0%	353,000	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.

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. Crashes Involving Large Trucks by Construction/Maintenance Zone and Crash Severity

Work Zone	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Yes	194	4.3%	4,000	4.0%	15,000	4.0%
No	4,347	95.7%	97,000	96.0%	354,000	96.0%
Total	4,541	100.0%	101,000	100.0%	369,000	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 National Governors' Association (NGA) recommended threshold. MCMIS data are used for the tables on vehicle configuration (Table 37), gross vehicle weight rating (Table 39), and hazardous materials (Tables 40 and 41). NGA nonfatal crashes tend to be more serious than GES nonfatal crashes, because the NGA threshold requires at least one vehicle in the crash to have been towed due to damage or at least one person to have been taken to a hospital immediately from the crash for medical attention. Below is a summary of some of the vehicle information in this section:

- ◆ In 1999, 4,898 large trucks were involved in fatal crashes, 101,000 were involved in injury crashes, and 369,000 were involved in property damage only crashes.
- ◆ Large trucks made up 9 percent of all vehicles in fatal crashes, 3 percent of all vehicles in injury crashes, and 5 percent of all vehicles in property damage only crashes.
- ◆ Hazardous materials (HM) placards were present on 4 percent of the large trucks involved in fatal crashes and 3 percent of those in nonfatal crashes. HM was released from the cargo compartments of 18 percent of the placarded trucks.
- ◆ “Collision with motor vehicle in transport” was recorded as the most harmful event for 80 percent of the large trucks involved in fatal crashes.
- ◆ Doubles (truck tractors pulling two trailers) made up only 2 percent of the large trucks involved in crashes, and triples (tractors pulling three trailers) accounted for less than 0.5 percent of all large trucks in crashes.

Table 37. Large Trucks in Crashes by Vehicle Configuration

Vehicle Configuration	Fatal		Injury		Towaway	
	Number	Percent	Number	Percent	Number	Percent
Single-Unit, 2 Axles	512	10.5%	6,505	13.7%	5,518	12.2%
Single-Unit, 3+ Axles	452	9.2%	4,940	10.4%	3,960	8.8%
Truck/Trailer(s)	202	4.1%	5,583	11.7%	5,002	11.1%
Truck Tractor (Bobtail)	90	1.8%	2,176	4.6%	3,246	7.2%
Tractor/Semi-trailer	3,184	65.0%	23,020	48.4%	22,402	49.6%
Tractor/Double	122	2.5%	881	1.9%	1,192	2.6%
Tractor/Triple	10	0.2%	125	0.3%	97	0.2%
Unknown	10	0.2%	1,394	2.9%	1,095	2.4%
Missing	316	6.5%	2,969	6.2%	2,655	5.9%
Total	4,898	100.0%	47,593	100.0%	45,167	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 Towaway Crashes: Federal Motor Carrier Safety Administration, MCMIS Crash File.

Table 38. Large Trucks in Crashes by Cargo Body Type

Cargo Body Type	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Van/Enclosed Box	2,149	43.9%	22,000	22.3%	48,000	13.1%
Cargo Tank	381	7.8%	4,000	4.0%	8,000	2.2%
Flatbed	680	13.9%	9,000	8.8%	20,000	5.3%
Dump	535	10.9%	8,000	7.7%	20,000	5.3%
Concrete Mixer	49	1.0%	1,000	1.2%	4,000	1.0%
Auto Transporter	28	0.6%	1,000	0.5%	2,000	0.5%
Garbage/Refuse	109	2.2%	1,000	1.1%	7,000	1.8%
Other Large Truck	510	10.4%	9,000	8.5%	28,000	7.6%
Unknown Large Truck	11	0.2%	*	*	*	*
Not Applicable	435	8.9%	*	*	*	*
Unknown	11	0.2%	46,000	45.8%	233,000	63.2%
Total	4,898	100.0%	101,000	100.0%	370,000	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 39. Large Trucks in Crashes by Gross Vehicle Weight Rating

Gross Vehicle Weight Rating	Fatal		Injury		Towaway	
	Number	Percent	Number	Percent	Number	Percent
≤10,000 lbs	6	0.1%	624	1.3%	806	1.8%
10,001 - 26,000 lbs	386	7.9%	4,389	9.2%	4,696	10.4%
≥26,001 lbs	3,998	81.6%	32,811	68.9%	30,939	68.5%
Unknown	508	10.4%	9,769	20.5%	8,726	19.3%
Total	4,898	100.0%	47,593	100.0%	45,167	100.0%

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 40. Large Trucks in Crashes by Hazardous Materials (HM) Cargo

HM Cargo	Fatal		Injury		Towaway	
	Number	Percent	Number	Percent	Number	Percent
Yes	213	4.3%	1,268	2.7%	1,106	2.7%
No	4,574	93.4%	19,557	42.4%	18,590	46.0%
Unknown	111	2.3%	25,302	54.9%	20,695	51.2%
Total	4,898	100.0%	46,127	100.0%	40,391	100.0%

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 41. Large Trucks in Crashes by Hazardous Materials (HM) Cargo Type and HM Release

HM Cargo Type	HM Release							
	Yes		No		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Fatal Crashes								
Explosives	2	4.4%	5	7.8%	0	0.0%	7	5.5%
Gases	5	11.1%	8	12.5%	5	26.3%	18	14.1%
Flammable Liquids	23	51.1%	18	28.1%	4	21.1%	45	35.2%
Flammable Solids	1	2.2%	0	0.0%	0	0.0%	1	0.8%
Oxidizing Substances	0	0.0%	2	3.1%	0	0.0%	2	1.6%
Poisonous and Infectious Substances	0	0.0%	1	1.6%	0	0.0%	1	0.8%
Radioactive	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Corrosives	2	4.4%	10	15.6%	1	5.3%	13	10.2%
Miscellaneous Dangerous Goods	2	4.4%	1	1.6%	1	5.3%	4	3.1%
Unknown	10	22.2%	19	29.7%	8	42.1%	37	28.9%
Total	45	100.0%	64	100.0%	19	100.0%	128	100.0%
Nonfatal Crashes								
Explosives	6	1.5%	30	2.0%	4	0.9%	40	1.7%
Gases	66	16.3%	232	15.5%	49	10.4%	347	14.6%
Flammable Liquids	169	41.7%	523	34.9%	71	15.1%	763	32.1%
Flammable Solids	9	2.2%	12	0.8%	0	0.0%	21	0.9%
Oxidizing Substances	8	2.0%	16	1.1%	3	0.6%	27	1.1%
Poisonous and Infectious Substances	7	1.7%	14	0.9%	0	0.0%	21	0.9%
Radioactive	1	0.2%	4	0.3%	0	0.0%	5	0.2%
Corrosives	19	4.7%	105	7.0%	21	4.5%	145	6.1%
Miscellaneous Dangerous Goods	26	6.4%	81	5.4%	60	12.8%	167	7.0%
Unknown	94	23.2%	483	32.2%	261	55.7%	838	35.3%
Total	405	100.0%	1,500	100.0%	469	100.0%	2,374	100.0%

Source: Federal Motor Carrier Safety Administration, MCMIS Crash File.

Table 42. Large Trucks in Crashes by Initial Point of Impact

Initial Point of Impact	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Front	3,107	63.4%	45,000	44.8%	119,000	32.1%
Rear	742	15.1%	17,000	17.1%	69,000	18.6%
Left	453	9.2%	14,000	13.8%	57,000	15.4%
Right	282	5.8%	14,000	14.4%	93,000	25.3%
Non-Collision	137	2.8%	8,000	8.3%	26,000	7.1%
Other	107	2.2%	2,000	1.6%	6,000	1.5%
Unknown	70	1.4%				
Total	4,898	100.0%	101,000	100.0%	369,000	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 43. Large Trucks in Crashes by Most Harmful Event for the Large Truck

Most Harmful Event	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Collision with Vehicle in Transport	3,904	79.7%	80,000	79.2%	253,000	68.6%
Collision with Fixed Object	173	3.5%	3,000	3.0%	25,000	6.8%
Collision with Pedestrian	312	6.4%	2,000	2.0%	*	*
Overturn (Rollover)	316	6.5%	11,000	10.9%	7,000	1.9%
Collision with Pedalcycle	62	1.3%	1,000	1.0%	*	*
Collision with Parked Motor Vehicle	17	0.3%	*	*	53,000	14.4%
Collision with Train	16	0.3%	*	*	*	*
Collision with Other Object	14	0.3%	*	*	5,000	1.4%
Collision with Animal	2	*	*	*	5,000	1.4%
Jackknife			1,000	1.0%	3,000	0.8%
Explosion/Fire	58	1.2%	1,000	1.0%	*	*
Other	22	0.4%	1,000	1.0%	18,000	4.9%
Unknown	2	*				
Total	4,898	100.0%	101,000	100.0%	369,000	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. Large Trucks in Crashes by Jackknife Occurrence

Jackknife	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Yes	282	5.8%	2,000	2.0%	4,000	1.1%
No	4,616	94.2%	98,000	97.0%	365,000	98.9%
Total	4,898	100.0%	101,000	100.0%	369,000	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 45. Large Trucks in Crashes with Passenger Vehicles by Crash Type and Severity

Crash Type	Fatal		Injury		Property Damage Only	
	Number	Percent	Number	Percent	Number	Percent
Large Truck Rear-Ending Passenger Vehicle	150	5.5%	12,000	19.7%	30,000	13.5%
Passenger Vehicle Rear-Ending Large Truck	373	13.6%	9,000	14.9%	22,000	10.0%
Large Truck Striking Passenger Vehicle (Other)	896	32.8%	18,000	30.9%	96,000	43.1%
Passenger Vehicle Striking Large Truck (Other)	472	17.3%	16,000	27.7%	60,000	27.2%
Vehicles Striking Each Other	820	30.0%	2,000	4.2%	3,000	1.2%
Other Collision	24	0.9%	1,000	2.5%	11,000	5.0%
Total	2,735	100.0%	59,000	100.0%	222,000	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 46. Large Trucks in Fatal Crashes with Passenger Vehicles by Crash Type and Driver-Related Factors Recorded

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	150	91	60.7%	78	52.0%
Passenger Vehicle Rear-Ending Large Truck	373	94	25.2%	317	85.0%
Large Truck Striking Passenger Vehicle (Other)	896	225	25.1%	730	81.5%
Passenger Vehicle Striking Large Truck (Other)	472	158	33.5%	358	75.8%
Vehicles Striking Each Other	820	156	19.0%	709	86.5%
Other Collision	24	10	41.7%	19	79.2%
Total	2,735	734	26.8%	2,211	80.8%

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).

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 13 percent of all fatalities in motor vehicle crashes in 1999.
- ◆ Injuries in large truck crashes made up 4 percent of all injuries in motor vehicle crashes in 1999.
- ◆ Of the 4,847 drivers of large trucks involved in fatal crashes, 351 (about 7 percent) were 25 years of age or younger, and 104 (about 2 percent) were 66 years of age or older. In comparison, 13,947 (30 percent) of the 47,607 drivers of passenger vehicles in fatal crashes were 25 years of age or younger, and 5,964 (about 13 percent) were 66 years of age or older.
- ◆ About 2 percent of all the drivers of large trucks involved in fatal crashes were female, as compared with 30 percent of all drivers of passenger vehicles involved in fatal crashes.
- ◆ One or more driver-related factors were recorded for 72 percent of the drivers of large trucks involved in single-vehicle fatal crashes but only for 31 percent of the drivers of large trucks involved in multiple-vehicle fatal crashes.
- ◆ Of the 4,847 drivers of large trucks involved in fatal crashes, 909 were not wearing a safety belt at the time of the crash; of those, 19 percent were completely or partially ejected from the vehicle.

Table 47. Persons Killed and Injured in Crashes Involving Large Trucks

Person Type	Single-Vehicle Crashes		Multiple-Vehicle Crashes		Total	
	Number	Percent	Number	Percent	Number	Percent
Persons Killed						
Driver	401	46.8%	3,255	72.3%	3,656	68.2%
Passenger of Motor Vehicle in Transport	76	8.9%	1,188	26.4%	1,264	23.6%
Occupant of Motor Vehicle Not in Transport	12	1.4%	0	0.0%	12	0.2%
Occupant of Non-Motor Vehicle Transport Device	14	1.6%	0	0.0%	14	0.3%
Pedestrian	289	33.7%	49	1.1%	338	6.3%
Bicyclist	56	6.5%	7	0.2%	63	1.2%
Other Cyclist	1	0.1%	0	0.0%	1	*
Other Pedestrian	6	0.7%	0	0.0%	6	0.1%
Unknown Occupant Type in Motor Vehicle in Transport	2	0.2%	6	0.1%	8	0.1%
Total	857	100.0%	4,505	100.0%	5,362	100.0%
Persons Injured						
Driver	12,000	60.6%	86,000	70.3%	98,000	69.0%
Passenger of Motor Vehicle in Transport	3,000	18.1%	36,000	29.2%	39,000	27.7%
Occupant of Motor Vehicle Not in Transport	*	0.5%	*	*	*	0.1%
Pedestrian	2,000	12.6%	*	0.2%	3,000	1.9%
Bicyclist	1,000	7.8%	*	*	1,000	1.0%
Unknown Type of Nonmotorist	*	0.1%	*	*	*	*
Unknown Person Type	*	0.3%	*	0.2%	*	0.3%
Total	19,000	100.0%	123,000	100.0%	142,000	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 48. Persons Killed in Crashes Involving Large Trucks by Age and Sex

Age Group (Years)	Male		Female		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
17 and under	271	7.4%	218	12.9%	0	0.0%	489	9.1%
18 - 25	623	17.0%	241	14.2%	0	0.0%	864	16.1%
26 - 35	635	17.3%	225	13.3%	0	0.0%	860	16.0%
36 - 45	690	18.8%	237	14.0%	0	0.0%	927	17.3%
46 - 55	533	14.5%	230	13.6%	1	100.0%	764	14.2%
56 - 65	360	9.8%	154	9.1%	0	0.0%	514	9.6%
66 - 75	262	7.1%	174	10.3%	0	0.0%	436	8.1%
76 and over	290	7.9%	209	12.4%	0	0.0%	499	9.3%
Unknown	5	0.1%	4	0.2%	0	0.0%	9	0.2%
Total	3,669	100.0%	1,692	100.0%	1	100.0%	5,362	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 49. Persons Killed in Crashes Involving Passenger Vehicles by Age and Sex

Age Group (Years)	Male		Female		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
17 and under	2,859	11.3%	2,008	15.3%	0	0.0%	4,867	12.7%
18 - 25	5,730	22.7%	2,190	16.6%	0	0.0%	7,920	20.6%
26 - 35	4,300	17.0%	1,751	13.3%	0	0.0%	6,051	15.7%
36 - 45	4,006	15.8%	1,884	14.3%	1	12.5%	5,891	15.3%
46 - 55	2,826	11.2%	1,385	10.5%	1	12.5%	4,212	11.0%
56 - 65	1,770	7.0%	1,107	8.4%	2	25.0%	2,879	7.5%
66 - 75	1,692	6.7%	1,225	9.3%	1	12.5%	2,918	7.6%
76 and over	2,042	8.1%	1,593	12.1%	0	0.0%	3,635	9.5%
Unknown	67	0.3%	21	0.2%	3	37.5%	91	0.2%
Total	25,292	100.0%	13,164	100.0%	8	100.0%	38,464	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 50. Persons Injured in Crashes Involving Large Trucks by Age and Sex

Age Group (Years)	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
17 and under	8,000	9.9%	9,000	16.1%	18,000	12.4%
18 - 25	16,000	18.4%	10,000	17.2%	25,000	17.9%
26 - 35	19,000	22.6%	11,000	19.9%	31,000	21.6%
36 - 45	19,000	21.9%	12,000	20.5%	30,000	21.3%
46 - 55	13,000	15.1%	7,000	11.9%	20,000	13.8%
56 - 65	5,000	6.1%	3,000	5.7%	8,000	5.9%
66 - 75	3,000	4.1%	3,000	5.4%	7,000	4.6%
76 and over	2,000	1.9%	2,000	3.3%	4,000	2.5%
Total	85,000	100.0%	56,000	100.0%	142,000	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 51. Persons Injured in Crashes Involving Passenger Vehicles by Age and Sex

Age Group (Years)	Male		Female		Total	
	Number	Percent	Number	Percent	Number	Percent
17 and under	287,000	19.1%	310,000	18.5%	597,000	18.8%
18 - 25	355,000	23.7%	359,000	21.5%	714,000	22.5%
26 - 35	288,000	19.2%	316,000	18.9%	603,000	19.0%
36 - 45	231,000	15.4%	267,000	15.9%	497,000	15.7%
46 - 55	157,000	10.5%	196,000	11.7%	353,000	11.1%
56 - 65	84,000	5.6%	97,000	5.8%	181,000	5.7%
66 - 75	61,000	4.0%	78,000	4.7%	139,000	4.4%
76 and over	39,000	2.6%	52,000	3.1%	91,000	2.9%
Total	1,501,000	100.0%	1,674,000	100.0%	3,175,000	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 52. Persons Killed and Injured in Crashes Involving Large Trucks by Time of Day

Time of Day	Persons Killed		Persons Inured	
	Number	Percent	Number	Percent
12am - 3am	420	7.8%	6,000	4.2%
3am - 6am	481	9.0%	5,000	3.5%
6am - 9am	737	13.7%	21,000	14.8%
9am - 12pm	873	16.3%	31,000	21.8%
12pm - 3pm	1,040	19.4%	32,000	22.5%
3pm - 6pm	891	16.6%	26,000	18.3%
6pm - 9pm	508	9.5%	12,000	8.5%
9pm - 12am	409	7.6%	8,000	5.6%
Unknown	3	0.1%		
Daytime (6am - 6pm)	3,541	66.0%	110,000	77.5%
Nighttime (6pm - 6am)	1,818	33.9%	32,000	22.5%
Total	5,362	100.0%	142,000	100.0%

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

Table 53. Drivers of Large Trucks in Crashes by Age, Sex, and Crash Severity

Age Group (Years)	Male		Female		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Fatal Crashes								
25 and Under	343	7.3%	8	7.8%	0	0.0%	351	7.2%
26 - 35	1,163	24.6%	25	24.3%	0	0.0%	1,188	24.5%
36 - 45	1,501	31.8%	39	37.9%	0	0.0%	1,540	31.8%
46 - 55	1,067	22.6%	24	23.3%	1	4.2%	1,092	22.5%
56 - 65	535	11.3%	7	6.8%	0	0.0%	542	11.2%
66 - 75	98	2.1%	0	0.0%	0	0.0%	98	2.0%
76 and Over	6	0.1%	0	0.0%	0	0.0%	6	0.1%
Unknown	7	0.1%	0	0.0%	23	95.8%	30	0.6%
Total	4,720	100.0%	103	100.0%	24	100.0%	4,847	100.0%
Injury Crashes								
25 and Under	12,000	12.7%	2,000	31.8%			14,000	13.6%
26 - 35	25,000	26.8%	1,000	16.5%			26,000	26.3%
36 - 45	27,000	28.0%	1,000	27.5%			28,000	28.0%
46 - 55	20,000	21.2%	1,000	12.7%			21,000	20.7%
56 - 65	9,000	9.4%	*	7.9%			9,000	9.3%
66 - 75	2,000	1.7%	*	3.2%			2,000	1.7%
76 and Over	*	0.3%	*	0.4%			*	0.3%
Total	95,000	100.0%	5,000	100.0%			100,000	100.0%
Property Damage Only Crashes								
25 and Under	80,000	23.0%	10,000	55.7%			90,000	24.6%
26 - 35	86,000	24.6%	3,000	13.7%			88,000	24.1%
36 - 45	95,000	27.4%	3,000	18.1%			99,000	27.0%
46 - 55	59,000	17.0%	1,000	5.1%			60,000	16.4%
56 - 65	24,000	6.9%	1,000	5.6%			25,000	6.9%
66 - 75	3,000	0.9%	*	1.4%			3,000	0.9%
76 and Over	1,000	0.2%	*	0.4%			1,000	0.2%
Total	348,000	100.0%	19,000	100.0%			366,000	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 54. Drivers of Passenger Vehicles in Crashes by Age, Sex, and Crash Severity

Age Group (Years)	Male		Female		Unknown		Total	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Fatal Crashes								
25 and Under	10,013	30.4%	3,934	27.2%	0	0.0%	13,947	29.3%
26 - 35	6,773	20.6%	2,899	20.1%	0	0.0%	9,672	20.3%
36 - 45	5,687	17.3%	2,755	19.1%	1	0.4%	8,443	17.7%
46 - 55	3,938	12.0%	1,793	12.4%	0	0.0%	5,731	12.0%
56 - 65	2,411	7.3%	1,089	7.5%	0	0.0%	3,500	7.4%
66 - 75	1,994	6.1%	977	6.8%	0	0.0%	2,971	6.2%
76 and Over	2,011	6.1%	982	6.8%	0	0.0%	2,993	6.3%
Unknown	110	0.3%	13	0.1%	227	99.6%	350	0.7%
Total	32,937	100.0%	14,442	100.0%	228	100.0%	47,607	100.0%
Injury Crashes								
25 and Under	633,000	31.8%	492,000	30.7%			1,125,000	31.3%
26 - 35	442,000	22.2%	366,000	22.8%			808,000	22.5%
36 - 45	360,000	18.0%	325,000	20.3%			685,000	19.0%
46 - 55	261,000	13.1%	209,000	13.0%			470,000	13.1%
56 - 65	141,000	7.1%	98,000	6.1%			238,000	6.6%
66 - 75	98,000	4.9%	67,000	4.2%			165,000	4.6%
76 and Over	59,000	3.0%	47,000	2.9%			106,000	3.0%
Total	1,993,000	100.0%	1,605,000	100.0%			3,598,000	100.0%
Property Damage Only Crashes								
25 and Under	1,371,000	33.0%	862,000	31.1%			2,233,000	32.2%
26 - 35	895,000	21.5%	612,000	22.1%			1,508,000	21.7%
36 - 45	773,000	18.6%	571,000	20.6%			1,343,000	19.4%
46 - 55	529,000	12.7%	359,000	12.9%			887,000	12.8%
56 - 65	295,000	7.1%	180,000	6.5%			475,000	6.9%
66 - 75	184,000	4.4%	117,000	4.2%			301,000	4.3%
76 and Over	109,000	2.6%	75,000	2.7%			185,000	2.7%
Total	4,156,000	100.0%	2,776,000	100.0%			6,932,000	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. Drivers of Large Trucks in Fatal Crashes by Restraint Use and Ejection from the Vehicle

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	729	15.8%	144	83.2%	32	62.7%	4	30.8%	909	18.8%
Shoulder Belt	10	0.2%	0	0.0%	1	2.0%	0	0.0%	11	0.2%
Lap Belt	454	9.8%	0	0.0%	2	3.9%	0	0.0%	456	9.4%
Lap and Shoulder	2,633	57.1%	5	2.9%	6	11.8%	1	7.7%	2,645	54.6%
Type Unknown	282	6.1%	0	0.0%	0	0.0%	0	0.0%	282	5.8%
Used Improperly	3	0.1%	1	0.6%	0	0.0%	0	0.0%	4	0.1%
Unknown	499	10.8%	23	13.3%	10	19.6%	8	61.5%	540	11.1%
Total	4,610	100.0%	173	100.0%	51	100.0%	13	100.0%	4,847	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 56. Drivers of Large Trucks in Fatal Crashes
by Commercial Drivers License (CDL) Status and License Compliance**

CDL Status	Number	Percent	License Compliance	Number	Percent
Valid	4,269	88.1%	Valid License for Class of Vehicle	4,537	93.6%
No CDL	370	7.6%	Not Licensed	8	0.2%
Suspended	35	0.7%	No License Required for Class of Vehicle	2	*
Revoked, Expired, Canceled	22	0.5%	No Valid License for Class of Vehicle	157	3.2%
Other Not Valid	16	0.3%	Unknown if Required for Class of Vehicle	11	0.2%
Unknown	135	2.8%	Unknown	132	2.7%
Total	4,847	100.0%	Total	4,847	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.

Sources: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Table 57. Drivers of Large Trucks in Fatal Crashes by Driver-Related Factors and Violations Recorded

Driver-Related Factors	Single-Vehicle Crashes		Multiple-Vehicle Crashes		Total	
	Number	Percent	Number	Percent	Number	Percent
Failure to keep in proper lane or running off road	340	42.8%	239	5.9%	579	11.9%
Driving too fast for conditions or in excess of posted speed limit	127	16.0%	227	5.6%	354	7.3%
Inattentive (talking, eating, etc.)	75	9.4%	174	4.3%	249	5.1%
Failure to yield right of way	37	4.7%	202	5.0%	239	4.9%
Failure to obey traffic signs	20	2.5%	136	3.4%	156	3.2%
Erratic or reckless driving	35	4.4%	92	2.3%	127	2.6%
Other non-moving traffic violation	22	2.8%	102	2.5%	124	2.6%
Following improperly	3	0.4%	107	2.6%	110	2.3%
Non-traffic violation charged (manslaughter or other homicide offense)	12	1.5%	95	2.3%	107	2.2%
Drowsy, fatigued	75	9.4%	27	0.7%	102	2.1%
Vision obscured by weather	4	0.5%	79	1.9%	83	1.7%
Making improper turn	59	7.4%	39	1.0%	59	1.2%
Swerving to avoid vehicle in road	10	1.3%	41	1.0%	51	1.1%
Operating without required equipment	11	1.4%	38	0.9%	49	1.0%
Overcorrecting.	27	3.4%	14	0.3%	41	0.8%
Starting/backing improperly.	9	1.1%	18	0.4%	27	0.6%
Ill, blackout	10	1.3%	3	0.1%	13	0.3%
Vision obscured by obstructing angles on vehicle	10	1.3%	1	*	11	0.2%
Driver-Related Factor(s) Recorded	569	71.7%	1,274	31.4%	1,843	38.0%
No Driver-Related Factors Recorded	225	28.3%	2,779	68.6%	3,004	62.0%
Total	794	100.0%	4,053	100.0%	4,847	100.0%
Violation(s) Recorded	84	10.6%	534	13.2%	618	12.8%
No Violations Recorded.	710	89.4%	3,519	86.8%	4,229	87.2%
Total	794	100.0%	4,053	100.0%	4,847	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).

Data Utilization Questionnaire **Large Truck Crash Facts 1999**

The Federal Motor Carrier Safety Administration strives to provide the public with the best available information on motor carrier safety. To aid us in this endeavor, please answer the questions below and return this self-addressed card to us. You may also complete this questionnaire on line at ai.volpe.dot.gov.

- ◆ **Is the information on large truck crashes that we provide in this report useful to you?** Yes No
- ◆ **Are there tables or graphs that should be deleted from the report?** Yes No

If yes, please specify: _____

- ◆ **Are there tables or graphs on large truck crashes that should be added to this report?** Yes No

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- ◆ **What other motor carrier safety data would you like to see in this or other reports produced by the Federal Motor Carrier Safety Administration?**

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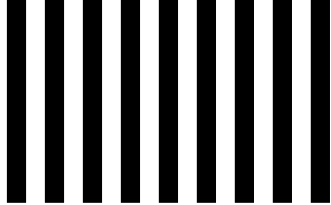
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