

Commercial Motor Vehicles in Crashes

For the purposes of crash reporting, CMV's are buses, truck tractors, tractor-trailer combinations, trucks with more than two axles, trucks with more than two tires per axle, or trucks exceeding 10,000 pounds gross vehicle weight. This category also includes pickups with dual rear wheels and smaller vehicles that are carrying hazardous materials.

	2013	2014	2015	2016	2017	Change 2016-2017	Avg. Change 2013-2016
Fatal Crashes	33	22	30	35	42	20.0%	6.6%
Injury Crashes	495	539	586	612	729	19.1%	7.3%
Total Crashes	1,681	1,613	1,768	2,009	2,468	22.8%	6.4%
Commercial VMT (100 millions)	28.2	28.6	29.3	30.8	31.5	2.4%	3.0%
Fatal Crash Rate	1.2	0.8	1.0	1.1	1.3	17.2%	3.3%
Injury Crash Rate	17.6	18.9	20.0	19.9	23.1	16.3%	4.3%
Total Crash Rate	59.6	56.4	60.3	65.2	78.2	20.0%	3.2%

Table 42 presents the location of CMV crashes by severity and roadway type. While 49% of all CMV crashes occurred on rural roadways, 86% of fatal CMV crashes took place on rural roadways.

	Fatal		Injury		Property Damage		All Crashes	
Interstate								
Urban	3	7.1%	56	7.7%	69	4.1%	128	5.2%
Rural	8	19.0%	96	13.2%	195	11.5%	299	12.1%
U.S. or State Highway								
Urban	2	4.8%	103	14.1%	246	14.5%	351	14.2%
Rural	17	40.5%	156	21.4%	331	19.5%	504	20.4%
Local								
Urban	1	2.4%	200	27.4%	585	34.5%	786	31.8%
Rural	11	26.2%	118	16.2%	271	16.0%	400	16.2%
Total	42	1.7%	729	29.5%	1,697	68.8%	2,468	

The largest percentage of all CMV crashes (48%) occurred on local roads, while the largest percentage of fatal CMV crashes (45%) took place on US and State highways.

Table 43 shows the number of crashes by severity that each type of commercial motor vehicle was involved in for 2013 to 2017.

Table 43							
Crashes Involving Commercial Motor Vehicles by Vehicle Type : 2013-2017							
	2013	2014	2015	2016	2017	Change 2016-2017	Avg. Change 2013-2016
Bus							
Fatal Crashes	1	0	1	0	0	0.0%	-33.3%
Injury Crashes	28	26	30	34	52	52.9%	7.2%
Property Damage Crashes	86	82	76	88	102	15.9%	1.3%
Single Unit Truck							
Fatal Crashes	7	5	2	6	9	50.0%	37.1%
Injury Crashes	119	148	153	160	167	4.4%	10.8%
Property Damage Crashes	266	293	289	299	384	28.4%	4.1%
Single Unit Truck with Trailer							
Fatal Crashes	2	3	1	1	0	-100.0%	77.8%
Injury Crashes	6	9	6	16	20	25.0%	61.1%
Property Damage Crashes	32	29	38	41	65	58.5%	9.9%
Truck Tractor Only (Bobtail)							
Fatal Crashes	1	0	0	0	0	0.0%	-33.3%
Injury Crashes	9	11	10	7	12	71.4%	-5.6%
Property Damage Crashes	21	22	20	21	27	28.6%	0.2%
Semi with Single-Trailer Configurations							
Fatal Crashes	19	12	18	24	27	12.5%	15.5%
Injury Crashes	213	222	225	221	257	16.3%	1.3%
Property Damage Crashes	512	391	442	511	589	15.3%	1.7%
Semi with Double-Trailer Configurations							
Fatal Crashes	2	1	4	3	3	0.0%	75.0%
Injury Crashes	28	32	30	34	31	-8.8%	7.1%
Property Damage Crashes	60	56	68	58	88	51.7%	0.0%
Semi with Triple-Trailer Configurations							
Fatal Crashes	1	0	0	0	3	100.0%	-33.3%
Injury Crashes	1	3	4	2	4	100.0%	61.1%
Property Damage Crashes	7	8	6	6	5	-16.7%	-3.6%

*** Crashes between vehicle types are not mutually exclusive. In other words, a crash involving a bus and a single unit truck would be represented in both categories*

Table 44 shows different vehicle types as a percent of all vehicles in crashes.

Vehicle Type	2013	2014	2015	2016	2017	Change 2016-2017	Avg. Change 2013-2016
Passenger Cars	18,355	18,471	19,786	20,461	19,820	-3.1%	3.7%
%	46.6%	47.1%	46.0%	45.0%	42.6%	-5.3%	-1.2%
Pickups, Vans, and Sport Utility Vehicles (SUV's)	18,046	17,901	20,228	21,861	23,292	6.5%	6.8%
%	45.8%	45.7%	47.1%	48.0%	50.0%	4.1%	1.6%
Medium Trucks*	443	501	500	532	654	22.9%	6.4%
%	1.1%	1.3%	1.2%	1.2%	1.4%	20.2%	1.7%
Large Trucks**	914	788	851	921	1,095	18.9%	0.8%
%	2.3%	2.0%	2.0%	2.0%	2.4%	16.2%	-4.2%
Buses	116	108	107	122	155	27.0%	2.1%
%	0.3%	0.3%	0.2%	0.3%	0.3%	24.2%	-2.8%
Motorcycles	534	523	561	546	533	-2.4%	0.8%
%	1.4%	1.3%	1.3%	1.2%	1.1%	-4.6%	-3.9%
All Other***	982	914	946	1,057	1,000	-5.4%	2.8%
%	2.5%	2.3%	2.2%	2.3%	2.1%	-7.5%	-2.2%
TOTALS	39,390	39,206	42,979	45,500	46,549	2.3%	5.0%

**Medium trucks are single unit trucks with more than 2 tires per axle or more than 2 axles.*

***Large trucks include bobtail tractors and tractor-semitrailer combinations.*

****Includes Pedestrians, Bicyclists, Equestrians, Farm Equipment, Recreational Vehicles, Construction , ATVs, Trains, Snowmobiles, Other, Hit and Run Vehicles, and Unknown or Missing data.*

Table 45 presents injury severity comparisons by vehicle type for all persons in CMV crashes. In 2017, there were 7,022 people involved in CMV crashes. Occupants of passenger vehicles comprised 53% of the people involved in CMV crashes. Of the 44 fatalities that occurred in CMV crashes, 57% were occupants of passenger cars, pickups, vans, or other vehicles while 27% were occupants of CMV's.

Injury Severity	Commercial Motor Vehicle	Car	Pickup, Van and SUVs*	All Other**	Totals
Fatalities	12	9	16	7	44
% of Fatalities	27.3%	20.5%	36.4%	15.9%	0.6%
Serious Injuries	29	38	41	15	123
% of Serious Injuries	23.6%	30.9%	33.3%	12.2%	1.8%
Visible Injuries	134	88	128	11	361
% of Visible Injuries	37.1%	24.4%	35.5%	3.0%	5.1%
Possible Injuries	190	195	252	8	645
% of Possible Injuries	29.5%	30.2%	39.1%	1.2%	9.2%
Non-Injury	2,826	873	2,104	46	5,849
% of Non- Injury	48.3%	14.9%	36.0%	0.8%	83.3%
Column Totals	3,191	1,203	2,541	87	7,022
(% OF TOTAL)	45.4%	17.1%	36.2%	1.2%	

**SUV is an acronym for Sport Utility Vehicles.*

***Includes pedestrians, bicyclists, motorcyclists, farm vehicles, construction equipment, RVs, and trains.*

In 2017, the economic cost of crashes involving commercial motor vehicles was \$596 million dollars. This represents 14% of the total cost of Idaho crashes (as shown in Table 4).