

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.

	2016	2017	2018	2019	2020	Change 2019-2020	Avg. Change 2016-2019
Fatal Crashes	35	42	44	34	37	8.8%	0.7%
Injury Crashes	612	729	708	687	715	4.1%	4.4%
Total Crashes	2,009	2,468	2,286	2,437	2,579	5.8%	7.4%
Commercial VMT (100 millions)	30.8	31.5	32.0	33.1	34.4	3.9%	2.5%
Fatal Crash Rate	1.1	1.3	1.4	1.0	1.1	4.7%	-1.7%
Injury Crash Rate	19.9	23.1	22.1	20.7	20.8	0.2%	1.9%
Total Crash Rate	65.2	78.2	71.3	73.6	74.9	1.9%	4.8%

Table 42 presents the location of CMV crashes by severity and roadway type. While 48% of all CMV crashes occurred on rural roadways, 81% of fatal CMV crashes took place on rural roadways.

	Fatal		Injury		Property Damage		All Crashes	
Interstate								
Urban	2	5.4%	68	9.5%	173	9.5%	243	9.4%
Rural	7	18.9%	101	14.1%	248	13.6%	356	13.8%
U.S. or State Highway								
Urban	2	5.4%	99	13.8%	275	15.1%	376	14.6%
Rural	18	48.6%	157	22.0%	297	16.3%	472	18.3%
Local								
Urban	3	8.1%	171	23.9%	554	30.3%	728	28.2%
Rural	5	13.5%	119	16.6%	280	15.3%	404	15.7%
Total	37	1.4%	715	27.7%	1,827	70.8%	2,579	

The largest percentage of all CMV crashes (44%) occurred on local roads, while the largest percentage of fatal CMV crashes (54%) 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 2016 to 2020.

Table 43							
Crashes Involving Commercial Motor Vehicles by Vehicle Type : 2016-2020							
	2016	2017	2018	2019	2020	Change 2019-2020	Avg. Change 2016-2019
Bus							
Fatal Crashes	0	0	0	0	0	0.0%	0.0%
Injury Crashes	34	52	52	24	23	-4.2%	-0.3%
Property Damage Crashes	88	102	89	103	53	-48.5%	6.3%
Single Unit Truck							
Fatal Crashes	6	9	11	4	11	175.0%	2.9%
Injury Crashes	160	167	190	163	159	-2.5%	1.3%
Property Damage Crashes	299	384	366	375	377	0.5%	8.7%
Single Unit Truck with Trailer							
Fatal Crashes	1	0	1	0	1	100.0%	-33.3%
Injury Crashes	16	20	24	38	28	-26.3%	34.4%
Property Damage Crashes	41	65	58	71	73	2.8%	23.4%
Truck Tractor Only (Bobtail)							
Fatal Crashes	0	0	1	0	0	0.0%	0.0%
Injury Crashes	7	12	6	5	12	140.0%	1.6%
Property Damage Crashes	21	27	25	32	26	-18.8%	16.4%
Semi with Single-Trailer Configurations							
Fatal Crashes	24	27	20	17	20	17.6%	-9.5%
Injury Crashes	221	257	220	250	268	7.2%	5.2%
Property Damage Crashes	511	589	559	648	685	5.7%	8.7%
Semi with Double-Trailer Configurations							
Fatal Crashes	3	3	5	4	5	25.0%	15.6%
Injury Crashes	34	31	36	36	31	-13.9%	2.4%
Property Damage Crashes	58	88	72	91	96	5.5%	20.0%
Semi with Triple-Trailer Configurations							
Fatal Crashes	0	3	1	1	1	0.0%	11.1%
Injury Crashes	2	4	3	4	3	-25.0%	36.1%
Property Damage Crashes	6	5	12	16	17	6.3%	52.2%

*** 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	2016	2017	2018	2019	2020	Change 2019-2020	Avg. Change 2016-2019
Passenger Cars	20,461	19,820	18,688	20,222	15,576	-23.0%	-0.2%
%	45.0%	42.6%	42.6%	41.2%	39.0%	-5.3%	-2.8%
Pickups, Vans, and Sport Utility Vehicles (SUV's)	21,861	23,292	21,834	25,402	21,069	-17.1%	5.5%
%	48.0%	50.0%	49.8%	51.8%	52.8%	1.9%	2.6%
Medium Trucks*	532	654	661	661	666	0.8%	8.0%
%	1.2%	1.4%	1.5%	1.3%	1.7%	23.8%	5.6%
Large Trucks**	921	1,095	998	1,147	1,215	5.9%	8.3%
%	2.0%	2.4%	2.3%	2.3%	3.0%	30.2%	5.2%
Buses	122	155	142	127	76	-40.2%	2.7%
%	0.3%	0.3%	0.3%	0.3%	0.2%	-26.4%	0.5%
Motorcycles	546	533	520	507	482	-4.9%	-2.4%
%	1.2%	1.1%	1.2%	1.0%	1.2%	16.9%	-4.6%
All Other***	1,057	1,000	1,038	985	822	-16.5%	-2.2%
%	2.3%	2.1%	2.4%	2.0%	2.1%	2.6%	-4.2%
TOTALS	45,500	46,549	43,881	49,051	39,906	-18.6%	2.8%

**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 2020, there were 6,431 people involved in CMV crashes. Occupants of passenger vehicles comprised 61% of the people involved in CMV crashes. Of the 42 fatalities that occurred in CMV crashes, 71% were occupants of passenger cars, pickups, vans, or other vehicles while 19% were occupants of CMV's.

Table 45					
Comparison of Injury Severity for Persons in Commercial Motor Vehicle Crashes: 2020					
Injury Severity	Commercial Motor Vehicle	Car	Pickup, Van and SUVs*	All Other**	Totals
Fatalities	8	16	14	4	42
% of Fatalities	19.0%	38.1%	33.3%	9.5%	0.7%
Suspected Serious Injury	26	38	59	5	128
% of Serious Injuries	20.3%	29.7%	46.1%	3.9%	2.0%
Suspected Minor Injury	86	70	168	5	329
% of Minor Injuries	26.1%	21.3%	51.1%	1.5%	5.1%
Possible Injuries	120	158	278	11	567
% of Possible Injuries	21.2%	27.9%	49.0%	1.9%	8.8%
Non-Injury	2,197	883	2,236	49	5,365
% of Non- Injury	41.0%	16.5%	41.7%	0.9%	83.4%
Column Totals	2,437	1,165	2,755	74	6,431
(% OF TOTAL)	37.9%	18.1%	42.8%	1.2%	

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

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

In 2020, the economic cost of crashes involving commercial motor vehicles was nearly \$599 million dollars. This represents 16% of the total cost of Idaho crashes (as shown in Table 4).