

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.

	2018	2019	2020	2021	2022	Change 2021-2022	Avg. Change 2018-2021
Fatal Crashes	44	34	37	38	27	-28.9%	-3.7%
Injury Crashes	708	687	715	813	758	-6.8%	4.9%
Total Crashes	2,286	2,437	2,579	2,942	3,088	5.0%	8.8%
Commercial VMT (100 millions)	32.0	33.1	33.5	36.1	34.1	-5.3%	4.1%
Fatal Crash Rate	1.4	1.0	1.1	1.1	0.8	-24.9%	-7.4%
Injury Crash Rate	22.1	20.7	21.3	22.5	22.2	-1.5%	0.8%
Total Crash Rate	71.3	73.6	77.0	81.6	90.4	10.9%	4.6%

Table 42 presents the location of CMV crashes by severity and roadway type. While 49% of all CMV crashes occurred on rural roadways, 85% of fatal CMV crashes took place on rural roadways.

	Fatal		Injury		Property Damage		All Crashes	
Interstate								
Urban	0	0.0%	68	9.0%	236	10.2%	304	9.8%
Rural	5	18.5%	128	16.9%	335	14.5%	468	15.2%
U.S. or State Highway								
Urban	3	11.1%	106	14.0%	318	13.8%	427	13.8%
Rural	15	55.6%	166	21.9%	399	17.3%	580	18.8%
Local								
Urban	1	3.7%	154	20.3%	680	29.5%	835	27.0%
Rural	3	11.1%	136	17.9%	335	14.5%	474	15.3%
Total	27	0.9%	758	24.5%	2,303	74.6%	3,088	

The largest percentage of all CMV crashes (42%) occurred on local roads, while the largest percentage of fatal CMV crashes (67%) 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 2018 to 2022.

Table 43							
Crashes Involving Commercial Motor Vehicles by Vehicle Type : 2018-2022							
	2018	2019	2020	2021	2022	Change 2021-2022	Avg. Change 2018-2021
Bus							
Fatal Crashes	0	0	0	1	0	-100.0%	33.3%
Injury Crashes	52	24	23	29	31	6.9%	-10.6%
Property Damage Crashes	89	103	53	95	113	18.9%	15.5%
Single Unit Truck							
Fatal Crashes	11	4	11	7	5	-28.6%	25.0%
Injury Crashes	190	163	159	166	161	-3.0%	-4.1%
Property Damage Crashes	366	375	377	400	444	11.0%	3.0%
Single Unit Truck with Trailer							
Fatal Crashes	1	0	1	0	0	0.0%	-33.3%
Injury Crashes	24	38	28	32	25	-21.9%	15.4%
Property Damage Crashes	58	71	73	82	97	18.3%	12.5%
Truck Tractor Only (Bobtail)							
Fatal Crashes	1	0	0	1	1	0.0%	0.0%
Injury Crashes	6	5	12	20	13	-35.0%	63.3%
Property Damage Crashes	25	32	26	23	27	17.4%	-0.8%
Semi with Single-Trailer Configurations							
Fatal Crashes	20	17	20	21	19	-9.5%	2.5%
Injury Crashes	220	250	268	299	308	3.0%	10.8%
Property Damage Crashes	559	648	685	772	892	15.5%	11.4%
Semi with Double-Trailer Configurations							
Fatal Crashes	5	4	5	4	1	-75.0%	-5.0%
Injury Crashes	36	36	31	24	27	12.5%	-12.2%
Property Damage Crashes	72	91	96	98	100	2.0%	11.3%
Semi with Triple-Trailer Configurations							
Fatal Crashes	1	1	1	1	0	-100.0%	0.0%
Injury Crashes	3	4	3	2	8	300.0%	-8.3%
Property Damage Crashes	12	16	17	11	16	45.5%	1.4%

*** 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.

Table 44							
Vehicles in All Crashes by Vehicle Type: 2018-2022							
Vehicle Type	2018	2019	2020	2021	2022	Change 2021-2022	Avg. Change 2018-2021
Passenger Cars	18,688	20,222	15,576	19,192	18,589	-3.1%	2.8%
%	42.6%	41.2%	39.0%	39.0%	37.8%	-3.2%	-2.9%
Pickups, Vans, and Sport Utility Vehicles (SUV's)	21,834	25,402	21,069	26,301	26,699	1.5%	8.0%
%	49.8%	51.8%	52.8%	53.4%	54.2%	1.5%	2.4%
Medium Trucks*	661	661	666	698	749	7.3%	1.9%
%	1.5%	1.3%	1.7%	1.4%	1.5%	7.3%	-0.6%
Large Trucks**	998	1,147	1,215	1,353	1,496	10.6%	10.7%
%	2.3%	2.3%	3.0%	2.7%	3.0%	10.5%	7.8%
Buses	142	127	76	126	144	14.3%	5.0%
%	0.3%	0.3%	0.2%	0.3%	0.3%	14.2%	-4.0%
Motorcycles/Mopeds/Scooters	520	507	482	568	570	0.4%	3.5%
%	1.2%	1.0%	1.2%	1.2%	1.2%	0.3%	-0.1%
All Other***	1,038	985	822	969	982	1.3%	-1.3%
%	2.4%	2.0%	2.1%	2.0%	2.0%	1.3%	-5.6%
TOTALS	43,881	49,051	39,906	49,207	49,229	0.0%	5.5%

**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 2022, there were 8,042 people with known injury types involved in CMV crashes. Occupants of passenger vehicles comprised 56% of the people involved in CMV crashes. Of the 34 fatalities that occurred in CMV crashes, 88% were occupants of passenger cars, pickups, vans, or other vehicles while 6% were occupants of CMV's.

Injury Severity	Commercial Motor Vehicle	Car	Pickup, Van and SUVs*	All Other**	Totals
Fatalities	2	15	15	2	34
% of Fatalities	5.9%	44.1%	44.1%	5.9%	0.4%
Suspected Serious Injury	26	38	64	8	136
% of Serious Injuries	19.1%	27.9%	47.1%	5.9%	1.7%
Suspected Minor Injury	102	108	194	20	424
% of Minor Injuries	24.1%	25.5%	45.8%	4.7%	5.3%
Possible Injuries	109	139	276	9	533
% of Possible Injuries	20.5%	26.1%	51.8%	1.7%	6.6%
Non-Injury	3,186	1,014	2,675	40	6,915
% of Non- Injury	46.1%	14.7%	38.7%	0.6%	86.0%
Column Totals	3,425	1,314	3,224	79	8,042
(% OF TOTAL)	42.6%	16.3%	40.1%	1.0%	

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

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

In 2022, the economic cost of crashes involving commercial motor vehicles was over \$627 million dollars. This represents 13% of the total cost of Idaho crashes (as shown in Table 4).