

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.

	2019	2020	2021	2022	2023	Change 2022-2023	Avg. Change 2019-2022
Fatal Crashes	34	37	38	27	46	70.4%	-5.8%
Injury Crashes	687	715	813	758	689	-9.1%	3.7%
Total Crashes	2,437	2,579	2,942	3,088	2,876	-6.9%	8.3%
Commercial VMT (100 millions)	33.1	33.5	36.1	34.1	37.6	10.2%	1.2%
Fatal Crash Rate	1.0	1.1	1.1	0.8	1.2	54.6%	-7.3%
Injury Crash Rate	20.7	21.3	22.5	22.2	18.3	-17.5%	2.3%
Total Crash Rate	73.6	77.0	81.6	90.4	76.4	-15.5%	7.2%

Table 42 presents the location of CMV crashes by severity and roadway type. While 48% of all CMV crashes occurred on rural roadways, 83% of fatal CMV crashes took place on rural roadways.

	Fatal		Injury		Property Damage		All Crashes	
Interstate								
Urban	3	6.5%	52	7.5%	227	10.6%	282	9.8%
Rural	8	17.4%	115	16.7%	328	15.3%	451	15.7%
U.S. or State Highway								
Urban	3	6.5%	119	17.3%	285	13.3%	407	14.2%
Rural	25	54.3%	163	23.7%	375	17.5%	563	19.6%
Local								
Urban	2	4.3%	145	21.0%	647	30.2%	794	27.6%
Rural	5	10.9%	95	13.8%	279	13.0%	379	13.2%
Total	46	1.6%	689	24.0%	2,141	74.4%	2,876	

The largest percentage of all CMV crashes (41%) occurred on local roads, while the largest percentage of fatal CMV crashes (61%) 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 2019 to 2023.

Table 43							
Crashes Involving Commercial Motor Vehicles by Vehicle Type : 2019-2023							
	2019	2020	2021	2022	2023	Change 2022-2023	Avg. Change 2019-2022
Bus							
Fatal Crashes	0	0	1	0	0	0.0%	0.0%
Injury Crashes	24	23	29	31	24	-22.6%	9.6%
Property Damage Crashes	103	53	95	113	95	-15.9%	16.5%
Single Unit Truck							
Fatal Crashes	4	11	7	5	11	120.0%	36.7%
Injury Crashes	163	159	166	161	152	-5.6%	-0.4%
Property Damage Crashes	375	377	400	444	461	3.8%	5.9%
Single Unit Truck with Trailer							
Fatal Crashes	0	1	0	0	1	100.0%	0.0%
Injury Crashes	38	28	32	25	15	-40.0%	-11.3%
Property Damage Crashes	71	73	82	97	75	-22.7%	11.1%
Truck Tractor Only (Bobtail)							
Fatal Crashes	0	0	1	1	0	-100.0%	33.3%
Injury Crashes	5	12	20	13	11	-15.4%	57.2%
Property Damage Crashes	32	26	23	27	33	22.2%	-4.3%
Semi with Single-Trailer Configurations							
Fatal Crashes	17	20	21	19	25	31.6%	4.4%
Injury Crashes	250	268	299	308	291	-5.5%	7.3%
Property Damage Crashes	648	685	772	892	891	-0.1%	11.3%
Semi with Double-Trailer Configurations							
Fatal Crashes	4	5	4	1	12	1100.0%	-23.3%
Injury Crashes	36	31	24	27	33	22.2%	-8.0%
Property Damage Crashes	91	96	98	100	95	-5.0%	3.2%
Semi with Triple-Trailer Configurations							
Fatal Crashes	1	1	1	0	1	100.0%	-33.3%
Injury Crashes	4	3	2	8	4	-50.0%	80.6%
Property Damage Crashes	16	17	11	16	15	-6.3%	5.5%

**** 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	2019	2020	2021	2022	2023	Change 2022-2023	Avg. Change 2019-2022
Passenger Cars	20,222	15,576	19,192	18,589	18,505	-0.5%	-1.0%
%	41.2%	39.0%	39.0%	37.8%	37.1%	-1.8%	-2.9%
Pickups, Vans, and Sport Utility Vehicles (SUV's)	25,402	21,069	26,301	26,699	27,405	2.6%	3.1%
%	51.8%	52.8%	53.4%	54.2%	54.9%	1.3%	1.6%
Medium Trucks *	661	666	698	749	730	-2.5%	4.3%
%	1.3%	1.7%	1.4%	1.5%	1.5%	-3.8%	5.4%
Large Trucks **	1,147	1,215	1,353	1,496	1,486	-0.7%	9.3%
%	2.3%	3.0%	2.7%	3.0%	3.0%	-2.0%	10.3%
Buses	127	76	126	144	123	-14.6%	13.3%
%	0.3%	0.2%	0.3%	0.3%	0.2%	-15.7%	7.4%
Motorcycles/Mopeds/Scooters	507	482	568	570	628	10.2%	4.4%
%	1.0%	1.2%	1.2%	1.2%	1.3%	8.7%	4.2%
All Other***	985	822	969	982	1,008	2.6%	0.9%
%	2.0%	2.1%	2.0%	2.0%	2.0%	1.3%	-0.2%
TOTALS	49,051	39,906	49,207	49,229	49,885	1.3%	1.6%

**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 2023, there were 7,466 people with known injury types involved in CMV crashes. Occupants of passenger vehicles comprised 56% of the people involved in CMV crashes. Of the 59 fatalities that occurred in CMV crashes, 76% were occupants of passenger cars, pickups, vans, or other vehicles while 24% were occupants of CMV's.

Injury Severity	Commercial Motor Vehicle	Car	Pickup, Van and SUVs*	All Other**	Totals
Fatalities	14	14	24	7	59
% of Fatalities	23.7%	23.7%	40.7%	11.9%	0.8%
Suspected Serious Injury	33	36	48	10	127
% of Serious Injuries	26.0%	28.3%	37.8%	7.9%	1.7%
Suspected Minor Injury	115	98	158	7	378
% of Minor Injuries	30.4%	25.9%	41.8%	1.9%	5.1%
Possible Injuries	114	172	270	5	561
% of Possible Injuries	20.3%	30.7%	48.1%	0.9%	7.5%
Non-Injury	2,967	917	2,408	49	6,341
% of Non- Injury	46.8%	14.5%	38.0%	0.8%	84.9%
Column Totals	3,243	1,237	2,908	78	7,466
(% OF TOTAL)	43.4%	16.6%	38.9%	1.0%	

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

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

In 2023, the economic cost of crashes involving commercial motor vehicles was over \$1 billion dollars. This represents 17% of the total cost of Idaho crashes (as shown in Table 4).