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.

Table 41
Commercial Motor Vehicle Crash Rates : 2012-2016

	2012	2013	2014	2015	2016	Change 2015-2016	Avg. Change 2012-2015
Fatal Crashes	14	33	22	30	35	16.7%	46.2%
Injury Crashes	447	495	539	586	612	4.4%	9.4%
Total Crashes	1,521	1,681	1,613	1,768	2,009	13.6%	5.4%
Commercial VMT (100 millions)	27.4	28.2	28.6	29.3	30.8	5.0%	2.3%
Fatal Crash Rate	0.5	1.2	0.8	1.0	1.1	11.1%	42.6%
Injury Crash Rate	16.3	17.6	18.9	20.0	19.9	-0.6%	7.0%
Total Crash Rate	55.5	59.6	56.4	60.3	65.2	8.2%	3.0%

Table 42 presents the location of CMV crashes by severity and roadway type. While 48% of all CMV crashes occurred on rural roadways, 94% of fatal CMV crashes took place on rural roadways.

Table 42
Location of Commercial Motor Vehicle Crashes by Roadway Type: 2016

	Fatal		Injury		Property Damage		All Crashes	
Interstate								
Urban	2	5.7%	59	9.6%	69	5.1%	130	6.5%
Rural	10	28.6%	81	13.2%	148	10.9%	239	11.9%
U.S. or State Highway								
Urban	0	0.0%	82	13.4%	193	14.2%	275	13.7%
Rural	19	54.3%	145	23.7%	254	18.6%	418	20.8%
Local								
Urban	0	0.0%	158	25.8%	479	35.2%	637	31.7%
Rural	4	11.4%	87	14.2%	219	16.1%	310	15.4%
Total	**35**	**1.7%**	**612**	**30.5%**	**1,362**	**67.8%**	**2,009**	

The largest percentage of all CMV crashes (47%) 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 2012 to 2016.

Table 43
Crashes Involving Commercial Motor Vehicles by Vehicle Type : 2012-2016

	2012	2013	2014	2015	2016	Change 2015-2016	Avg. Change 2012-2015
Bus							
Fatal Crashes	0	1	0	1	0	0.0%	33.3%
Injury Crashes	23	28	26	30	34	13.3%	10.0%
Property Damage Crashes	66	86	82	76	88	15.8%	6.1%
Single Unit Truck							
Fatal Crashes	3	7	5	2	6	200.0%	14.9%
Injury Crashes	120	119	148	153	160	4.6%	9.0%
Property Damage Crashes	237	266	293	289	299	3.5%	7.0%
Single Unit Truck with Trailer							
Fatal Crashes	0	2	3	1	1	0.0%	50.0%
Injury Crashes	12	6	9	6	16	166.7%	-11.1%
Property Damage Crashes	36	32	29	38	41	7.9%	3.5%
Truck Tractor Only (Bobtail)							
Fatal Crashes	0	1	0	0	0	0.0%	0.0%
Injury Crashes	10	9	11	10	7	-30.0%	1.0%
Property Damage Crashes	28	21	22	20	21	5.0%	-9.8%
Semi with Single-Trailer Configurations							
Fatal Crashes	7	19	12	18	24	33.3%	61.5%
Injury Crashes	192	213	222	225	221	-1.8%	5.5%
Property Damage Crashes	471	512	391	442	511	15.6%	-0.6%
Semi with Double-Trailer Configurations							
Fatal Crashes	3	2	1	4	3	-25.0%	72.2%
Injury Crashes	34	28	32	30	34	13.3%	-3.2%
Property Damage Crashes	78	60	56	68	58	-14.7%	-2.8%
Semi with Triple-Trailer Configurations							
Fatal Crashes	0	1	0	0	0	0.0%	0.0%
Injury Crashes	2	1	3	4	2	-50.0%	61.1%
Property Damage Crashes	3	7	8	6	6	0.0%	40.9%

*** 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 catagories*

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

Table 44
Vehicles in All Crashes by Vehicle Type: 2012-2016

Vehicle Type	2012	2013	2014	2015	2016	Change 2015-2016	Avg. Change 2012-2015
Passenger Cars	17,600	18,355	18,471	19,786	20,461	3.4%	4.0%
%	46.7%	46.6%	47.1%	46.0%	45.0%	-2.3%	-0.5%
Pickups, Vans, and Sport Utility Vehicles (SUV's)	17,124	18,046	17,901	20,228	21,861	8.1%	5.9%
%	45.5%	45.8%	45.7%	47.1%	48.0%	2.1%	1.2%
Medium Trucks*	416	443	501	500	532	6.4%	6.5%
%	1.1%	1.1%	1.3%	1.2%	1.2%	0.5%	2.2%
Large Trucks**	863	914	788	851	921	8.2%	0.0%
%	2.3%	2.3%	2.0%	2.0%	2.0%	2.2%	-4.5%
Buses	89	116	108	107	122	14.0%	7.5%
%	0.2%	0.3%	0.3%	0.2%	0.3%	7.7%	2.9%
Motorcycles	563	534	523	561	546	-2.7%	0.0%
%	1.5%	1.4%	1.3%	1.3%	1.2%	-8.1%	-4.3%
All Other***	1,019	982	914	946	1,057	11.7%	-2.4%
%	2.7%	2.5%	2.3%	2.2%	2.3%	5.5%	-6.6%
TOTALS	37,674	39,390	39,206	42,979	45,500	5.9%	4.6%

**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 2016, there were 5,555 people involved in CMV crashes. Occupants of passenger vehicles comprised 53% of the people involved in CMV crashes. Of the 37 fatalities that occurred in CMV crashes, 70% were occupants of passenger cars, pickups, vans, or other vehicles while 16% were occupants of CMV's.

Table 45
Comparison of Injury Severity for Persons in Commercial Motor Vehicle Crashes: 2016

Injury Severity	Commercial Motor Vehicle	Car	Pickup, Van and SUVs*	All Other**	Totals
Fatalities	6	14	12	5	37
% of Fatalities	16.2%	37.8%	32.4%	13.5%	0.7%
Serious Injuries	34	46	47	10	137
% of Serious Injuries	24.8%	33.6%	34.3%	7.3%	2.5%
Visible Injuries	84	90	102	8	284
% of Visible Injuries	29.6%	31.7%	35.9%	2.8%	5.1%
Possible Injuries	119	168	213	12	512
% of Possible Injuries	23.2%	32.8%	41.6%	2.3%	9.2%
Non-Injury	2,314	739	1,498	34	4,585
% of Non- Injury	50.5%	16.1%	32.7%	0.7%	82.5%
Column Totals	2,557	1,057	1,872	69	5,555
(% OF TOTAL)	46.0%	19.0%	33.7%	1.2%	

**SUV is an acronym for Sport Utility Vehicles.*
***Includes pedestrians, bicyclists, motorcyclists, farm vehicles, construction equipment, RVs, and trains.*

In 2016, the economic cost of crashes involving commercial motor vehicles was $502 million dollars. This represents 12% of the total cost of Idaho crashes (as shown in Table 4).