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 : 2010-2014

	2010	2011	2012	2013	2014	Change 2013-2014	Avg. Change 2010-2013
Fatal Crashes	14	22	14	33	22	-33.3%	52.2%
Injury Crashes	378	421	447	495	539	8.9%	9.4%
Total Crashes	1,433	1,535	1,521	1,681	1,613	-4.0%	5.6%
Commercial VMT (100 millions)	27.2	26.9	27.4	28.2	28.6	1.4%	1.2%
Fatal Crash Rate	0.5	0.8	0.5	1.2	0.8	-34.2%	50.2%
Injury Crash Rate	13.9	15.6	16.3	17.6	18.9	7.4%	8.2%
Total Crash Rate	52.6	57.0	55.5	59.6	56.4	-5.4%	4.4%

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.

Table 42
Location of Commercial Motor Vehicle Crashes by Roadway Type: 2014

	Fatal		Injury		Property Damage		All Crashes	
Interstate								
Urban	0	0.0%	69	12.8%	54	5.1%	123	7.6%
Rural	3	13.6%	82	15.2%	89	8.5%	174	10.8%
U.S. or State Highway								
Urban	2	9.1%	64	11.9%	120	11.4%	186	11.5%
Rural	13	59.1%	102	18.9%	215	20.4%	330	20.5%
Local								
Urban	1	4.5%	124	23.0%	393	37.4%	518	32.1%
Rural	3	13.6%	98	18.2%	181	17.2%	282	17.5%
Total	**22**	**1.4%**	**539**	**33.4%**	**1,052**	**65.2%**	**1,613**	

The largest percentage of all CMV crashes (50%) occurred on local roads, while the largest percentage of fatal CMV crashes (68%) 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 2010 to 2014.

Table 43
Crashes Involving Commercial Motor Vehicles by Vehicle Type : 2010-2014

	2010	2011	2012	2013	2014	Change 2013-2014	Avg. Change 2010-2013
Bus							
Fatal Crashes	0	1	0	1	0	-100.0%	33.3%
Injury Crashes	43	32	23	28	26	-7.1%	-10.7%
Property Damage Crashes	91	75	66	86	82	-4.7%	0.2%
Single Unit Truck							
Fatal Crashes	3	8	3	7	5	-28.6%	79.2%
Injury Crashes	119	116	120	119	148	24.4%	0.0%
Property Damage Crashes	319	291	237	266	293	10.2%	-5.0%
Single Unit Truck with Trailer							
Fatal Crashes	0	0	0	2	3	50.0%	33.3%
Injury Crashes	20	14	12	6	9	50.0%	-31.4%
Property Damage Crashes	69	44	36	32	29	-9.4%	-21.8%
Truck Tractor Only (Bobtail)							
Fatal Crashes	2	0	0	1	0	-100.0%	0.0%
Injury Crashes	9	10	10	9	11	22.2%	0.4%
Property Damage Crashes	13	16	28	21	22	4.8%	24.4%
Semi with Single-Trailer Configurations							
Fatal Crashes	8	8	7	19	12	-36.8%	53.0%
Injury Crashes	158	161	192	213	222	4.2%	10.7%
Property Damage Crashes	492	503	471	512	391	-23.6%	1.5%
Semi with Double-Trailer Configurations							
Fatal Crashes	1	3	3	2	1	-50.0%	55.6%
Injury Crashes	34	31	34	28	32	14.3%	-5.6%
Property Damage Crashes	72	91	78	60	56	-6.7%	-3.7%
Semi with Triple-Trailer Configurations							
Fatal Crashes	0	0	0	1	0	-100.0%	33.3%
Injury Crashes	3	4	2	1	3	200.0%	-22.2%
Property Damage Crashes	5	9	3	7	8	14.3%	48.9%

*** 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 excluding pedestrians, bicyclists, and non-motor vehicles.

Table 44
Vehicles in All Crashes by Vehicle Type: 2010-2014

Vehicle Type	2010	2011	2012	2013	2014	Change 2013-2014	Avg. Change 2010-2013
Passenger Cars	17,918	17,102	17,600	18,355	18,471	0.6%	0.9%
%	46.6%	46.9%	46.7%	46.6%	47.1%	1.1%	0.0%
Pickups, Vans, and Sport Utility Vehicles (SUV's)	18,098	16,474	17,124	18,046	17,901	-0.8%	0.1%
%	47.1%	45.2%	45.5%	45.8%	45.7%	-0.3%	-0.9%
Medium Trucks*	543	478	416	443	501	13.1%	-6.2%
%	1.4%	1.3%	1.1%	1.1%	1.3%	13.6%	-7.0%
Large Trucks**	813	859	863	914	788	-13.8%	4.0%
%	2.1%	2.4%	2.3%	2.3%	2.0%	-13.4%	3.3%
Buses	134	110	89	116	108	-6.9%	-2.2%
%	0.3%	0.3%	0.2%	0.3%	0.3%	-6.5%	-3.5%
Motorcycles	549	500	563	534	523	-2.1%	-0.5%
%	1.4%	1.4%	1.5%	1.4%	1.3%	-1.6%	-1.4%
All Other***	385	963	1,019	982	914	-6.9%	50.8%
%	1.0%	2.6%	2.7%	2.5%	2.3%	-6.5%	52.7%
TOTALS	38,440	36,486	37,674	39,390	39,206	-0.5%	0.9%

**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 Farm Equipment, Recreational Vehicles, Construction , ATVs, Trains, Snowmobiles, Other, and Unknown or Missing data.*

Table 45 presents injury severity comparisons by vehicle type for all persons in CMV crashes. In 2014, there were 4,574 people involved in CMV crashes. Occupants of passenger vehicles comprised 49% of the people involved in CMV crashes. Of the 25 fatalities that occurred in CMV crashes, 64% were occupants of passenger cars, pickups, vans, or other vehicles while 28% were occupants of CMV's.

Table 45
Comparison of Injury Severity for Persons in Commercial Motor Vehicle Crashes: 2014

Injury Severity	Commercial Motor Vehicle	Car	Pickup, Van and SUVs*	All Other**	Totals
Fatalities	7	8	8	2	25
% of Fatalities	28.0%	32.0%	32.0%	8.0%	0.5%
Serious Injuries	30	37	35	12	114
% of Serious Injuries	26.3%	32.5%	30.7%	10.5%	2.5%
Visible Injuries	82	70	89	7	248
% of Visible Injuries	33.1%	28.2%	35.9%	2.8%	5.4%
Possible Injuries	120	153	155	8	436
% of Possible Injuries	27.5%	35.1%	35.6%	1.8%	9.5%
Non-Injury	1,997	594	1,132	28	3,751
% of Non- Injury	53.2%	15.8%	30.2%	0.7%	82.0%
Column Totals	2,236	862	1,419	57	4,574
(% OF TOTAL)	48.9%	18.8%	31.0%	1.2%	

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

In 2014, the economic cost of crashes involving commercial motor vehicles was $255 million dollars. This represents 10% of the total cost of Idaho crashes (as shown in Table 4).