Commercial Motor Vehicles in Crashes

Table 41 shows Commercial Motor Vehicle (CMV) crashes for 2009 through 2013. 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 : 2009-2013

	2009	2010	2011	2012	2013	Change 2012-2013	Avg. Change 2009-2012
Fatal Crashes	23	14	22	14	33	135.7%	-6.1%
Injury Crashes	348	378	421	447	495	10.7%	8.7%
Total Crashes	1,355	1,433	1,535	1,521	1,681	10.5%	4.0%
Commercial VMT (100 millions)	26.8	27.2	26.9	27.4	28.2	2.9%	0.8%
Fatal Crash Rate	0.9	0.5	0.8	0.5	1.2	129.1%	-6.2%
Injury Crash Rate	13.0	13.9	15.6	16.3	17.6	7.6%	7.9%
Total Crash Rate	50.6	52.6	57.0	55.5	59.6	7.4%	3.2%

Table 42 presents the location of CMV crashes by severity and roadway type. While 50% 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: 2013

	Fatal		Injury		Property Damage		All Crashes	
Interstate								
Urban	1	3.0%	31	6.3%	87	7.5%	119	7.1%
Rural	4	12.1%	56	11.3%	150	13.0%	210	12.5%
U.S. or State Highway								
Urban	1	3.0%	68	13.7%	136	11.8%	205	12.2%
Rural	23	69.7%	137	27.7%	210	18.2%	370	22.0%
Local								
Urban	0	0.0%	130	26.3%	384	33.3%	514	30.6%
Rural	4	12.1%	73	14.7%	186	16.1%	263	15.6%
Total	**33**	**2.0%**	**495**	**29.4%**	**1,153**	**68.6%**	**1,681**	

The largest percentage of all CMV crashes (46%) occurred on local roads, while the largest percentage of fatal CMV crashes (73%) 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 2009 to 2013.

Table 43
Crashes Involving Commercial Motor Vehicles by Vehicle Type : 2009-2013

	2009	2010	2011	2012	2013	Change 2012-2013	Avg. Change 2009-2012
Bus							
Fatal Crashes	3	0	1	0	1	100.0%	-33.3%
Injury Crashes	31	43	32	23	28	21.7%	-5.0%
Property Damage Crashes	117	91	75	66	86	30.3%	-17.3%
Single Unit Truck							
Fatal Crashes	8	3	8	3	7	133.3%	13.9%
Injury Crashes	126	119	116	120	119	-0.8%	-1.5%
Property Damage Crashes	320	319	291	237	266	12.2%	-9.2%
Single Unit Truck with Trailer							
Fatal Crashes	1	0	0	0	2	100.0%	-33.3%
Injury Crashes	27	20	14	12	6	-50.0%	-23.4%
Property Damage Crashes	81	69	44	36	32	-11.1%	-23.1%
Truck Tractor Only (Bobtail)							
Fatal Crashes	0	2	0	0	1	100.0%	0.0%
Injury Crashes	7	9	10	10	9	-10.0%	13.2%
Property Damage Crashes	14	13	16	28	21	-25.0%	30.3%
Semi with Single-Trailer Configurations							
Fatal Crashes	8	8	8	7	19	171.4%	-4.2%
Injury Crashes	142	158	161	192	213	10.9%	10.8%
Property Damage Crashes	409	492	503	471	512	8.7%	5.4%
Semi with Double-Trailer Configurations							
Fatal Crashes	2	1	3	3	2	-33.3%	50.0%
Injury Crashes	19	34	31	34	28	-17.6%	26.6%
Property Damage Crashes	59	72	91	78	60	-23.1%	11.4%
Semi with Triple-Trailer Configurations							
Fatal Crashes	1	0	0	0	1	100.0%	-33.3%
Injury Crashes	2	3	4	2	1	-50.0%	11.1%
Property Damage Crashes	6	5	9	3	7	133.3%	-1.1%

*** 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: 2009-2013

Vehicle Type	2009	2010	2011	2012	2013	Change 2012-2013	Avg. Change 2009-2012
Passenger Cars	18,462	17,918	17,102	17,600	18,355	4.3%	-1.5%
%	47.2%	46.6%	46.9%	46.7%	46.6%	-0.3%	-0.3%
Pickups, Vans, and Sport Utility Vehicles (SUV's)	18,266	18,098	16,474	17,124	18,046	5.4%	-2.0%
%	46.7%	47.1%	45.2%	45.5%	45.8%	0.8%	-0.9%
Medium Trucks*	568	543	478	416	443	6.5%	-9.8%
%	1.5%	1.4%	1.3%	1.1%	1.1%	1.9%	-8.5%
Large Trucks**	693	813	859	863	914	5.9%	7.8%
%	1.8%	2.1%	2.4%	2.3%	2.3%	1.3%	9.4%
Buses	151	134	110	89	116	30.3%	-16.1%
%	0.4%	0.3%	0.3%	0.2%	0.3%	24.7%	-14.9%
Motorcycles	590	549	500	563	534	-5.2%	-1.1%
%	1.5%	1.4%	1.4%	1.5%	1.4%	-9.3%	-0.1%
All Other***	406	385	963	1,019	982	-3.6%	50.3%
%	1.0%	1.0%	2.6%	2.7%	2.5%	-7.8%	54.2%
TOTALS	39,136	38,440	36,486	37,674	39,390	4.6%	-1.2%

**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 2013, there were 4,765 people involved in CMV crashes. Occupants of passenger vehicles comprised 49% of the people involved in CMV crashes. Of the 15 fatalities that occurred in CMV crashes, 72% were occupants of passenger cars, pickups, vans, or other vehicles while 14% were occupants of CMV's.

Table 45
Comparison of Injury Severity for Persons in Commercial Motor Vehicle Crashes: 2013

Injury Severity	Commercial Motor Vehicle	Car	Pickup, Van and SUVs*	All Other**	Totals
Fatalities	5	17	9	5	36
% of Fatalities	13.9%	47.2%	25.0%	13.9%	0.8%
Serious Injuries	38	30	46	6	120
% of Serious Injuries	31.7%	25.0%	38.3%	5.0%	2.5%
Visible Injuries	56	68	83	10	217
% of Visible Injuries	25.8%	31.3%	38.2%	4.6%	4.6%
Possible Injuries	112	146	173	5	436
% of Possible Injuries	25.7%	33.5%	39.7%	1.1%	9.2%
Non-Injury	2,193	637	1,103	23	3,956
% of Non- Injury	55.4%	16.1%	27.9%	0.6%	83.0%
Column Totals	2,404	898	1,414	49	4,765
(% OF TOTAL)	50.5%	18.8%	29.7%	1.0%	

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

In 2013, the economic cost of crashes involving commercial motor vehicles was $321 million dollars. This represents 13% of the total cost of Idaho crashes (as shown in Table 4).