

Federal Motor Carrier Safety Administration
Office of Analysis, Research and Technology

2007 National Truck and Bus Crash Picture Webinar

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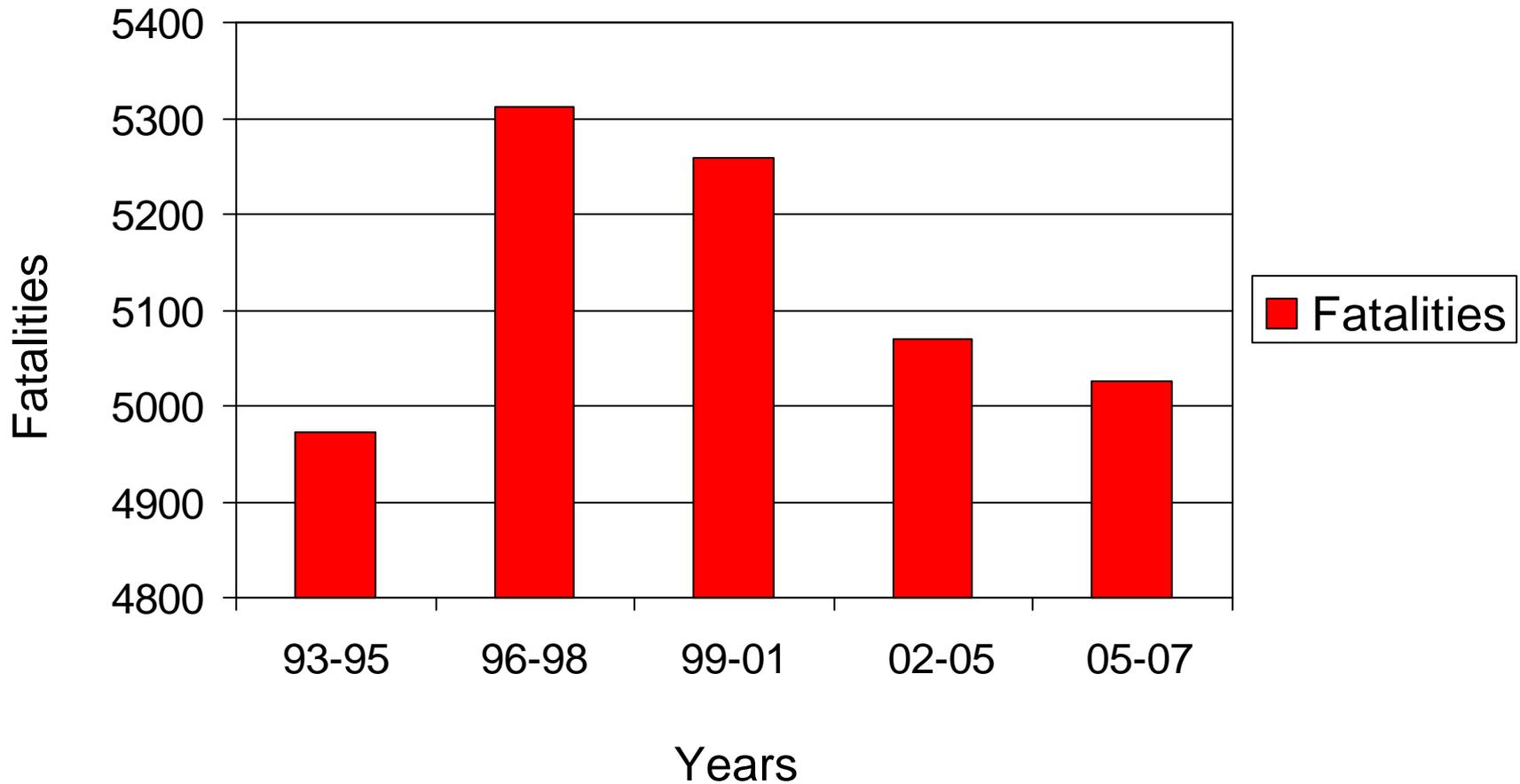


Fatal Large Truck Crashes in 2007

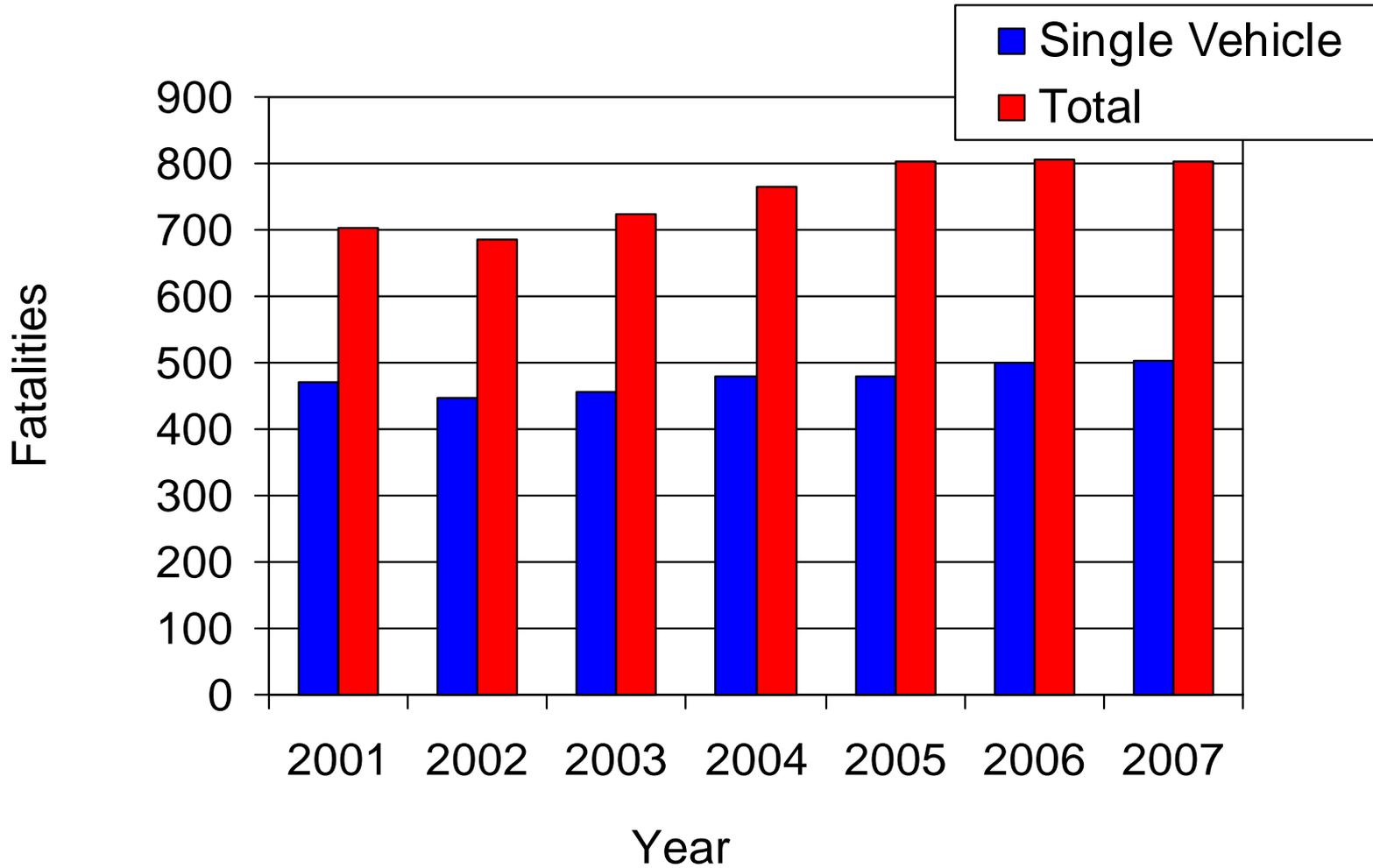
- ◆ Three Levels of Crash Data
 - People – 4,808 People Killed in Large Truck Crashes
 - Trucks – 4,584 Large Trucks involved in Fatal Crashes
 - Crashes – 4,190 Fatal Crashes involving at least one Large Truck

Source: Fatality Analysis Reporting System, 2007

Fatalities in Large Truck Crashes (three year averages)



Truck Occupant Deaths



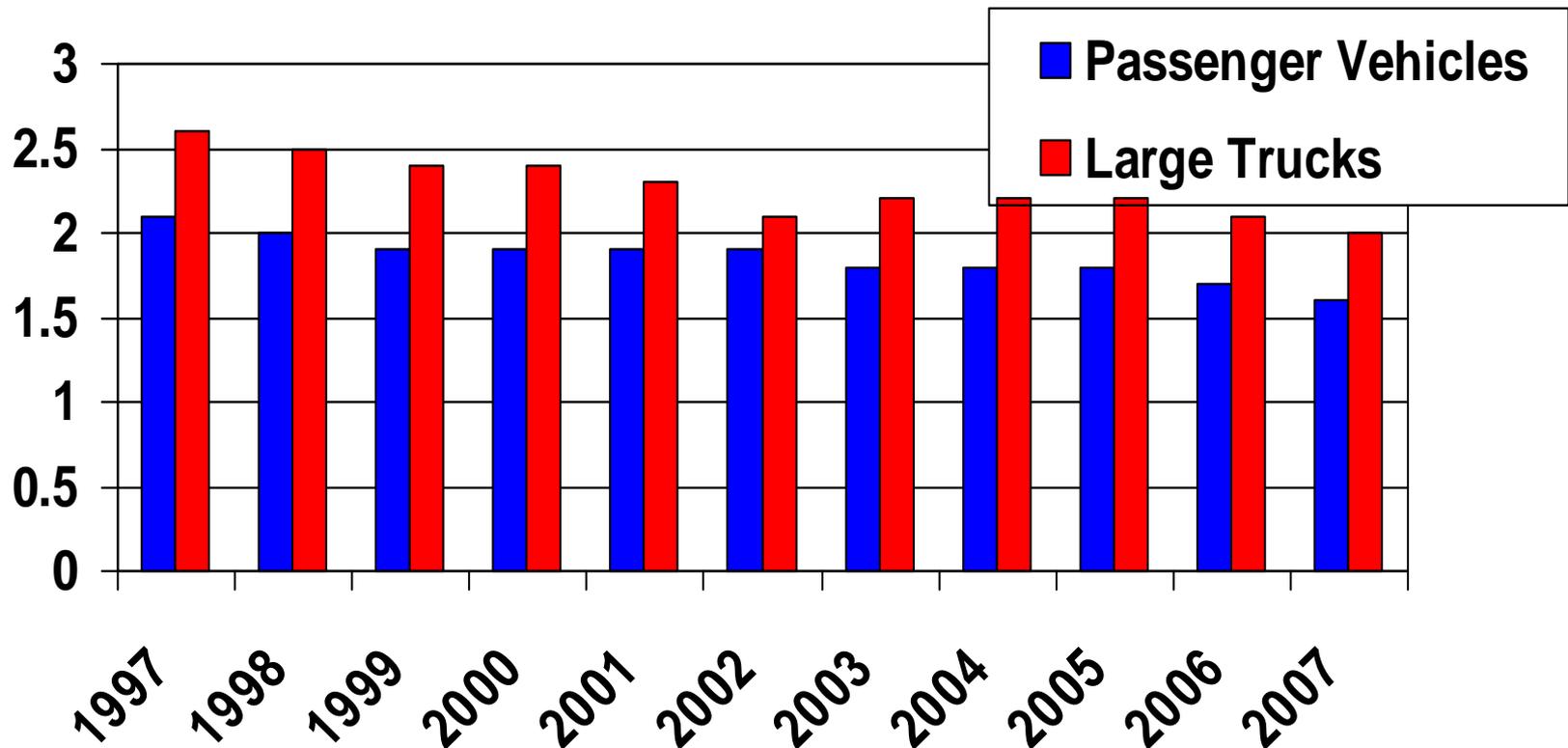
Motor Vehicles in Crashes, 2007

Crash Type	Large Trucks	Other Vehicles	Percent Trucks
Fatal	4,584	54,679	8%
Injury	72,000	2,992,000	3%
PDO	333,000	7,398,000	4%
Total	441,000	10,417,000	4%

Fatalities in Crashes

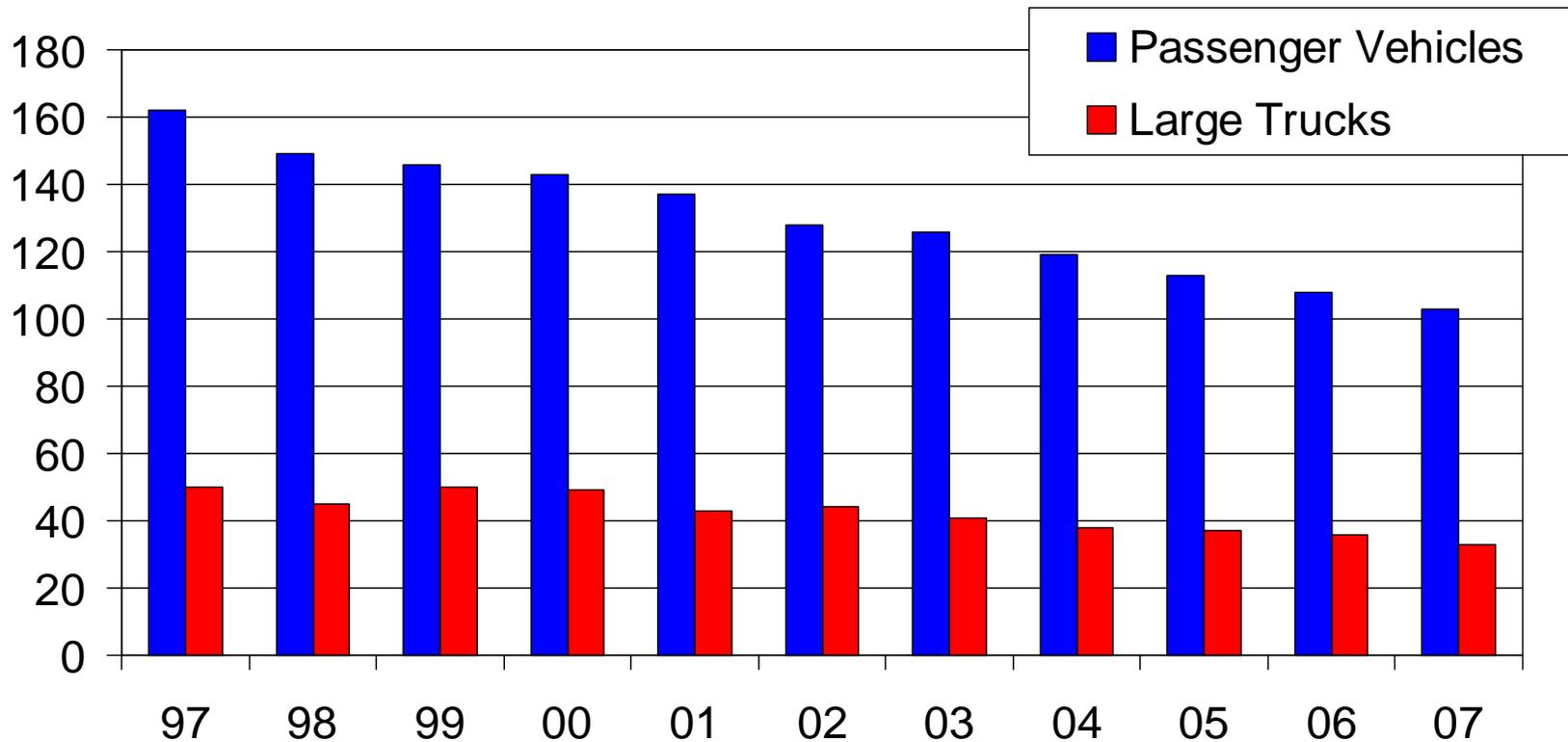
<u>Year</u>	<u>Trucks</u>	<u>Cars</u>	<u>Motorcycles</u>	<u>Total</u>
2003	5,036	39,148	3,771	42,884
2004	5,235	38,759	4,103	42,836
2005	5,240	38,933	4,668	43,510
2006	5,027	38,140	4,935	42,708
2007	4,808	36,267	5,250	41,059

Vehicle Involvement Rates: Fatal Crashes (per 100 million vehicle miles traveled)

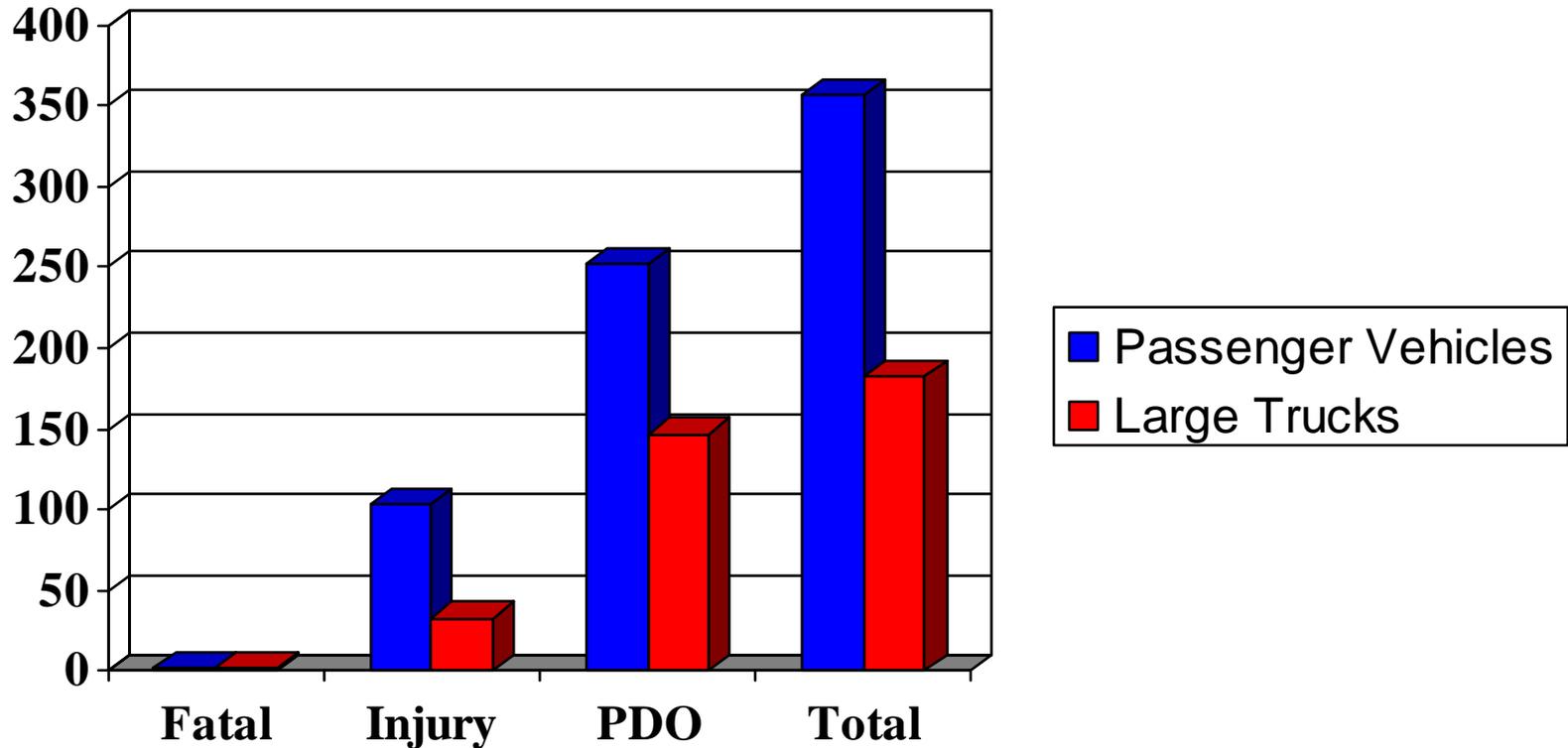


Source: Fatality Analysis Reporting System (FARS), NHTSA; FHWA

Vehicle Involvement Rates: Injury Crashes (per 100 million vehicle miles traveled)



Total Crash Rates, 2007



Vehicle Configuration, 2007

◆ Registration

- Combination Trucks – 2,220,995
- Single Unit Trucks – 6,806,630

◆ Vehicle Miles Traveled

- Combination Trucks – 145,008 million
- Single Unit Trucks – 81,954 million

◆ Involved in Fatal Crashes

- Combination Trucks – 3,393
- Single Unit Trucks – 1,183

Source: FHWA

Crash Type, All Trucks – Fataals, 2007

- ◆ Collision with Another Vehicle in Transport – 75%
 - Angle – 35%
 - Rear End – 17%
 - Head On – 15%
 - Side Swipe – 6%
- ◆ Collision with Fixed Object – 9%
- ◆ Collision with Pedestrian – 7%
- ◆ Rollover – 5%
- ◆ Other – 4%

Large Truck-Passenger Vehicle Crashes, 2007

Fatal Crash Type

- ◆ Rear End:
 - Large truck Strikes passenger vehicle – 5%
 - Passenger vehicle Strikes large truck – 16%
- ◆ Head On:
 - Large truck Crosses Center Line – 1%
 - Passenger vehicle Crosses Center Line – 16%
- ◆ Other, unknown

Driver Related Crash Factors, 2007

Two Vehicle Fatal Crashes – Truck & Passenger Vehicle

	LTs	PVs
Total (Percent of drivers)	38.1%	67.5%
<i>Selected Factors</i>		
Ran off road/out of lane	11.6%	30.4%
Driving in excess of posted maximum	8.4%	21.1%
Inattentive/careless driving	5.8%	8.6%
Failure to yield right of way	4.2%	8.1%
Failure to obey traffic signs	2.8%	4.7%
Improper tailing	2.7%	.8%
Drowsy/fatigued	1.7%	1.8%
Water/snow/oil on roadway	1.7%	2.2%
Overcorrecting	1.6%	5.2%
Other passenger vehicle factors: Under Influence of Alcohol, Drugs, Medication – 14.9%; Erratic/Reckless – 3.4%; Hit and run – 2.0%		

HazMat and Buses, 2007

- ◆ Large Trucks Carrying HM in 2007
 - Number: 4% in Fatal Crashes; 1% in Non-Fatals
 - Releases: 36% in Fatal Crashes; 12% in Non-Fatals
 - Release of Flammable Liquids (Gasoline, etc.): 62% in Fatal Crashes; 43% in Non-Fatals
- ◆ Buses, in perspective: Vehicles involved in Crashes
 - Large Trucks – 4,584
 - All Buses – 278
 - Cross Country/Intercity Buses – 35

Contact Information

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for 2007 overview report:

<http://ai.fmcsa.dot.gov/default.aspx>

(Crash Statistics; National Statistics)