



U.S. Department of Transportation
Federal Motor Carrier Safety Administration

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Federal Motor Carrier Safety Administration

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Office of Research and Information Technology

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U.S. Department of Transportation
Federal Motor Carrier Safety Administration

Trends in Commercial Motor Vehicle Crashes



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Our Mission

FEDERAL MOTOR CARRIER SAFETY ADMINISTRATION 2012-2016 STRATEGIC PLAN

Preventing
Crashes...
**SAVING
LIVES**

Raising the Bar to Entry
Requiring to Maintain High Safety Standards
Removing High Risk Carriers & Drivers



U.S. Department of Transportation
Federal Motor Carrier Safety
Administration

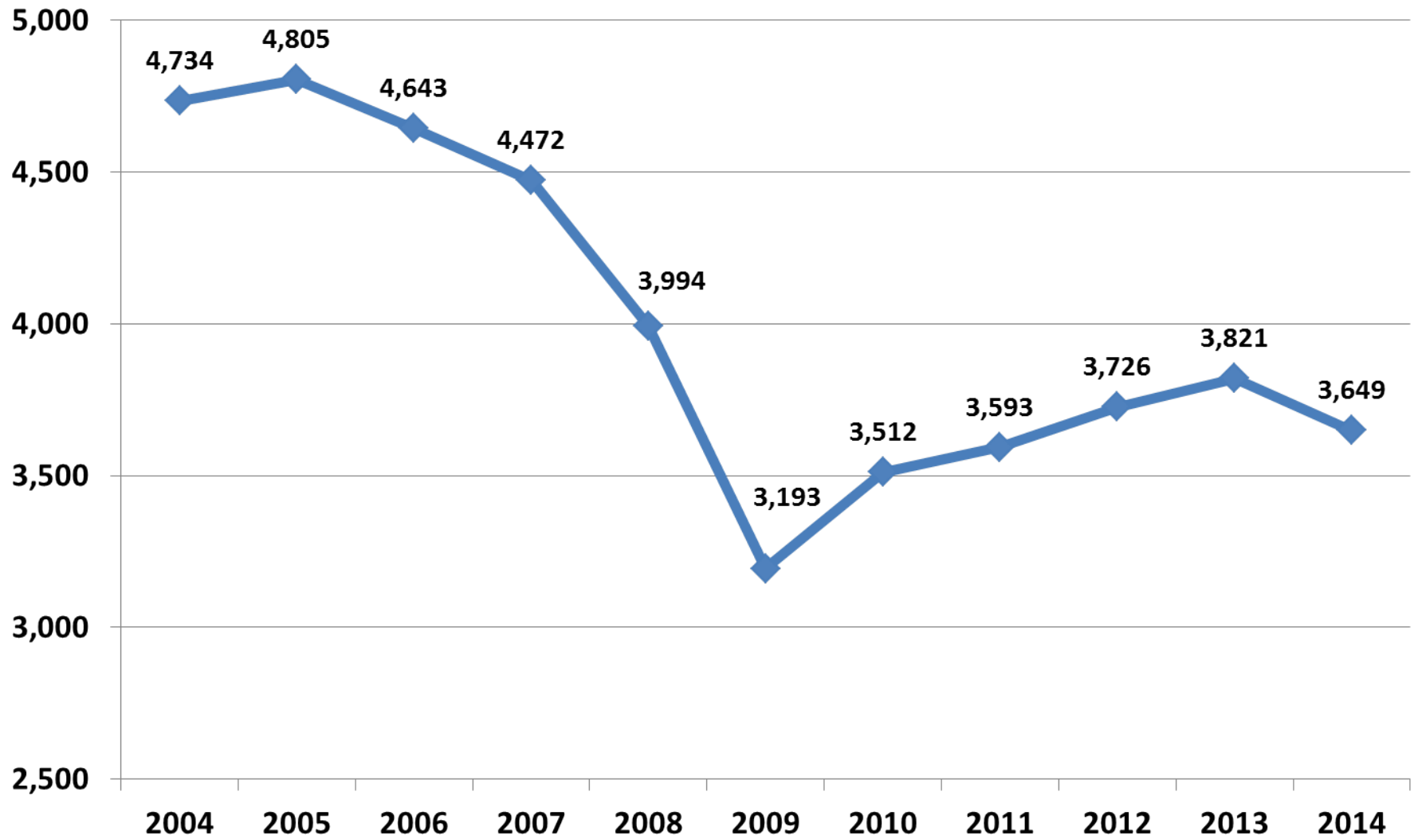
Placing safety as our highest priority:
Reduce crashes, injuries, and fatalities involving CMV transportation through *education, innovation, regulation, enforcement, financial assistance, partnerships, and full accountability.*

Overview: Large Truck and Bus Fatal Crash Data, 2012-2014

	2012	2013	2014	2012-2013 Percent Change	2013-2014 Percent Change
Fatal <u>Crashes</u> Involving Large Trucks and/or Buses	3,726	3,821	3,649	2.55%	-4.50%
Large <u>Trucks and</u> <u>Buses</u> Involved in Fatal Crashes	4,078	4,203	3,978	3.07%	-5.35%
<u>Fatalities</u> in Large Trucks and/or Bus Crashes	4,208	4,278	4,161	1.66%	-2.73%
Large Truck and Bus <u>Occupant</u> <u>Fatalities</u>	736	749	701	1.77%	-6.41%

Sources: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS)

Large Truck and Bus Fatal Crashes, 2004 - 2014



Sources: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS)

Buses in Fatal Crashes by Type of Bus, 2012-2014

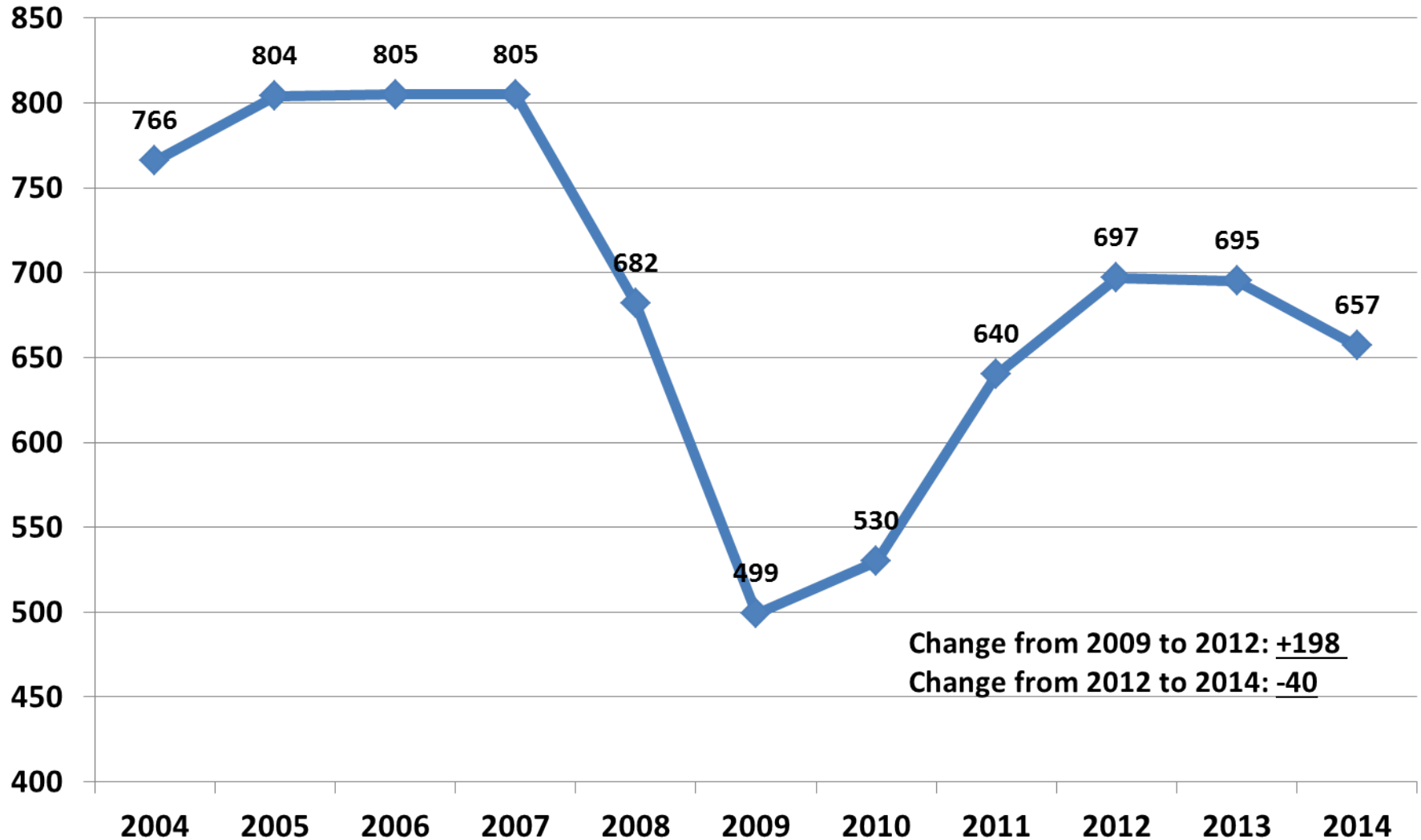
	2012	2013	2014	2012-2013 Percent Change	2013-2014 Percent Change
School Bus	102	114	91	11.8%	-20.2%
Intercity Bus (Motorcoach)	34	44	31	29.4%	-29.5%
Transit Bus	78	82	79	5.1%	-3.7%
Other/Unknown Bus Type	39	42	33	7.7%	-21.4%
Total	253	282	234	11.5%	-17.0%

Fatalities in School Bus Crashes, 2014

Person Type	Number	Percent
School Bus Driver	3	2.8%
School Bus Passenger	8	7.3%
Passenger Vehicle Occupant (Driver or Passenger)	63	57.8%
Motorcycle Driver	9	8.3%
Other Vehicle Type Driver	1	0.9%
Pedestrian	21	19.3%
Bicyclist	4	3.7%
Total	109	100.0%

Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS)

Large Truck Occupant Fatalities 2004 - 2014



Sources: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS)

Large Truck Occupants in Fatal Crashes by Restraint Use and Injury Severity, 2014

Restraint Use	Injury Severity: No Injury (Number)	Injury Severity: No Injury (Percent)	Injury Severity: Unknown Injury (Number)	Injury Severity: Unknown Injury (Percent)	Injury Severity: Injury (non-fatal) (Number)	Injury Severity: Injury (non-fatal) (Percent)	Injury Severity: Fatality (Number)	Injury Severity: Fatality (Percent)	Total: Number	Total: Percent
No	128	5.1%	48	9.6%	95	15.8%	253	38.5%	524	12.2%
Yes	2,229	88.4%	415	83.2%	461	76.6%	287	43.7%	3,392	79.3%
Unknown	165	6.5%	36	7.2%	46	7.6%	117	17.8%	364	8.5%
Total	2,522	100.0%	499	100.0%	602	100.0%	657	100.0%	4,280	100.0%

Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS)

Top Driver-Related Factors for Large Truck Drivers in Fatal Crashes, 2014

Driver-Related Factor	Number	Percent
Speeding	262	7.1%
Distraction/inattention (cell phone, lost in thought, eating etc.)	230	6.2%
Impairment (fatigue, alcohol, illness, etc.)	145	3.9%
Failure to Yield Right of Way	138	3.7%
Failure to Keep in Proper Lane	133	3.6%
Vision Obscured (by Weather, Roadway Design, Vehicles, etc.)	120	3.2%
Careless Driving	91	2.5%
Following Improperly	86	2.3%
Failure to Obey Traffic Sign, Control Devices, Safety Zone Laws	85	2.3%

Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS)

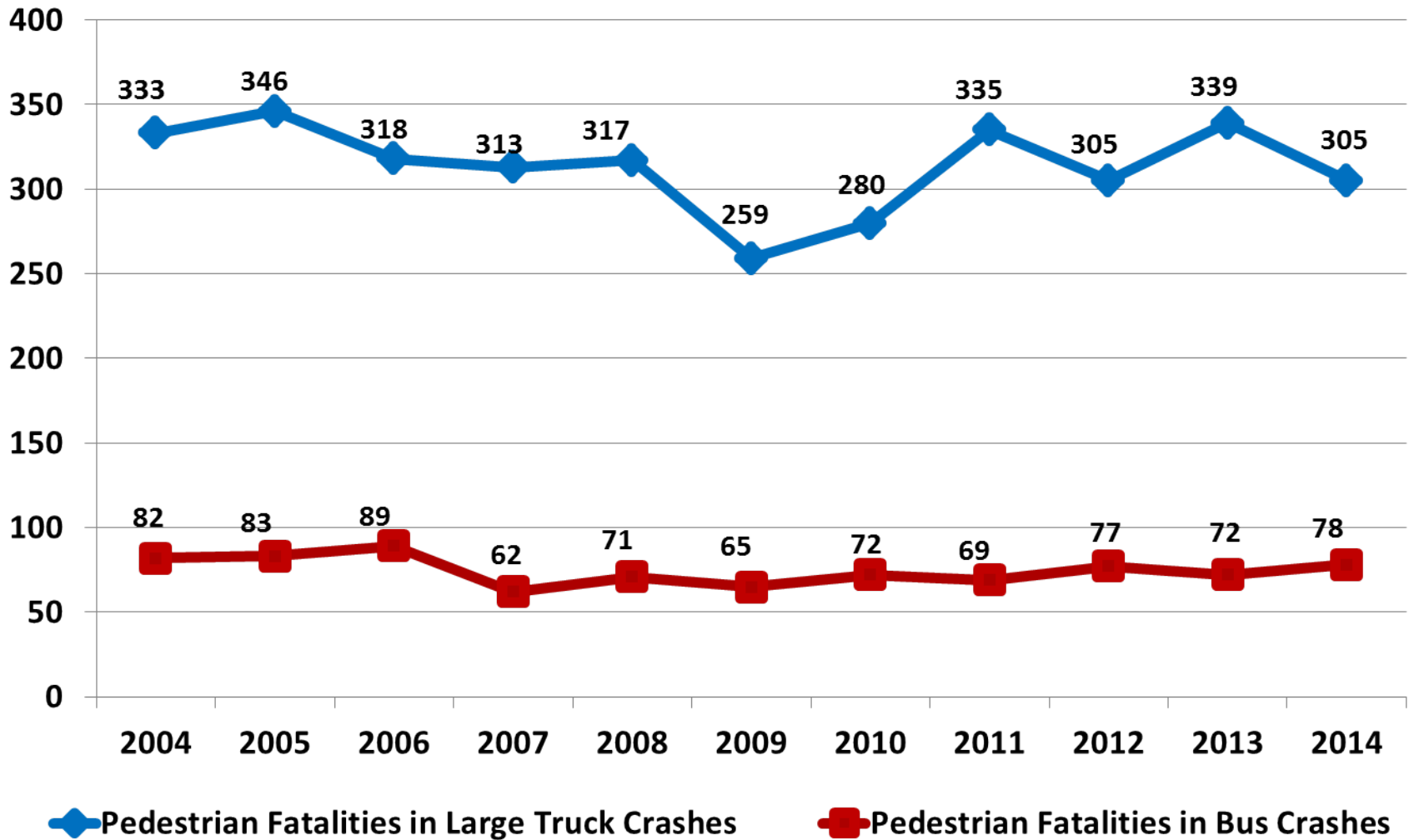
Top 10 States for Large Truck and Bus Fatalities by State, 2012 - 2014

State	2012	2013	2014	2012-2014 Three-Year Average	Change, 2013-2014
Texas	594	554	570	572.7	2.9%
California	284	295	324	301.0	9.8%
Florida	230	225	207	220.7	-8.0%
Pennsylvania	177	176	170	174.3	-3.4%
Georgia	158	173	162	164.3	-6.4%
Ohio	158	136	142	145.3	4.4%
Illinois	134	151	121	135.3	-19.9%
North Carolina	129	146	129	134.7	-11.6%
New York	128	146	128	134.0	-12.3%
Oklahoma	125	117	137	126.3	17.1%

In 2014, these States accounted for about 50% of all large truck and bus fatalities

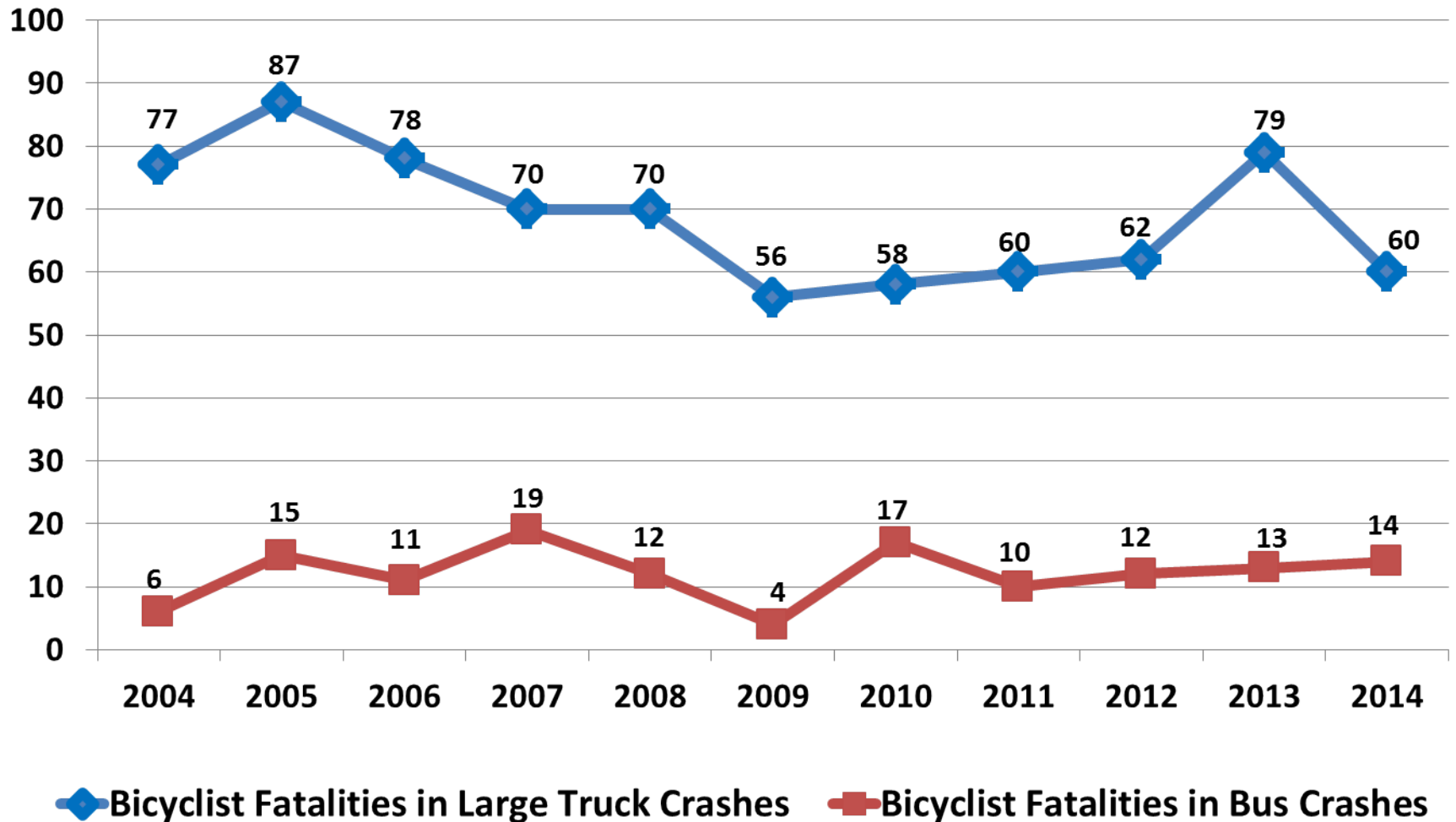
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS).

Pedestrian Fatalities in Large Truck and Bus Crashes, 2004-2014



Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS)

Bicyclist Fatalities in Large Truck and Bus Crashes, 2004-2014



Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS)

Fatal Crashes by Work Zone, 2010 - 2014

Category	2010	2011	2012	2013	2014
Percentage of Fatal Work-Zone Crashes that Involved at Least One Large Truck	22.5%	27.2%	23.8%	28.2%	30.1%
Percentage of ALL Fatal Crashes that Involved at Least One Large Truck	10.8%	11.3%	11.2%	11.8%	11.4%

Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS)

Crash Prevention Strategies

RULEMAKING

- Seat Belt NPRM
- Safety Fitness Determination
- Drug and Alcohol Clearinghouse

TRAFFIC ENFORCEMENT

- Large CMV Traffic Enforcement Train-the-Trainer Curriculum
- MCSAP grants to allow states to conduct traffic enforcement
- Traffic Enforcement in Conjunction with Inspection

WORK ZONE WARNING TECHNOLOGY

- Making CVISN grant funds available to research, test, and deploy a work zone & incident electronic notification system

CDL

- Working with State Drivers Licensing Agencies to assure suspension of CDL holders

Our Vision

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Save lives by striving toward a *crash-free* and *fully accountable* CMV transportation life-cycle.