



Findings from the Fatality Analysis Reporting System, 2022

October 2024

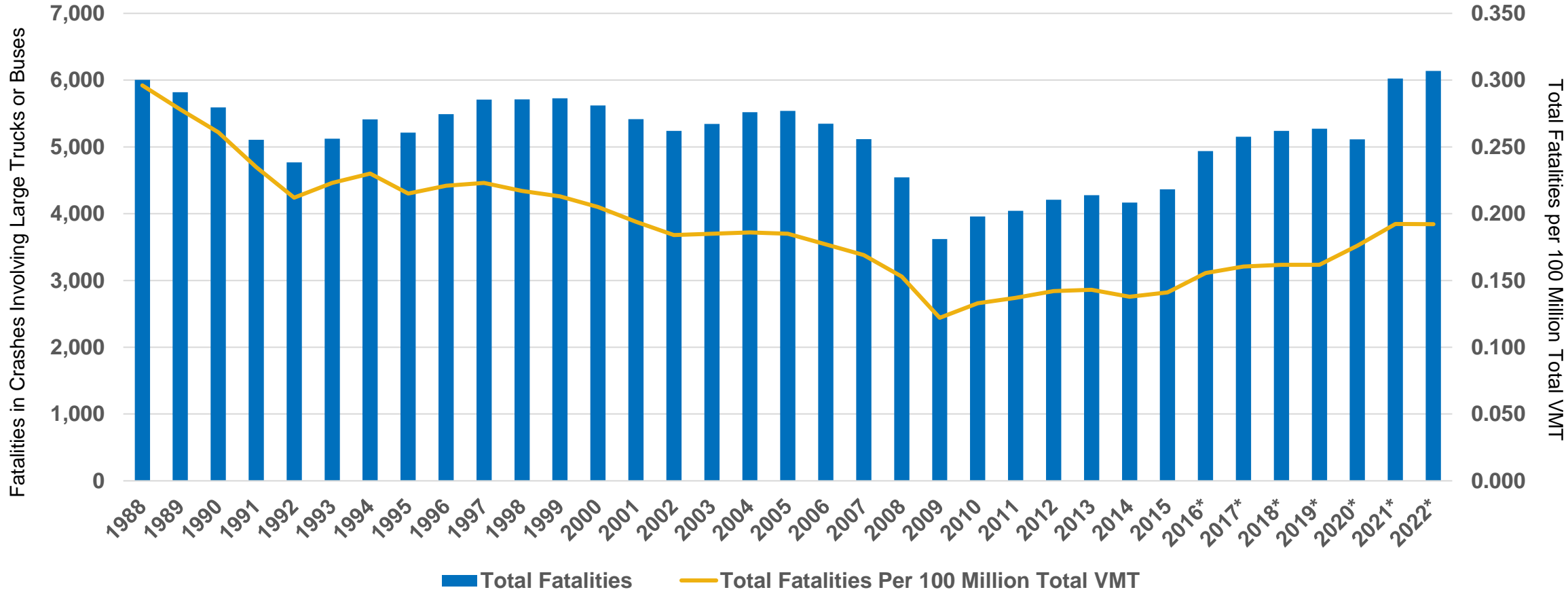


U.S. Department of Transportation
Federal Motor Carrier Safety Administration

Data Sources

- NHTSA Fatality Analysis Reporting System (FARS)
 - Census of fatal crashes involving motor vehicles traveling on public trafficways.
 - A large truck is defined in FARS as a truck with a gross vehicle weight rating (GVWR) greater than 10,000 pounds.
 - A bus is defined in FARS as any motor vehicle designed primarily to transport nine or more persons, including the driver.
 - FARS data is obtained solely from the States' existing documents: Police Accident Reports, State Vehicle Registration Files, State Driver Licensing Files, State Highway Department Data, Vital Statistics, Death Certificates, Coroner/Medical Examiner Reports, Emergency Medical Service Reports, Other State Records
- FMCSA Motor Carrier Management Information System (MCMIS)
 - Census of crashes involving FMCSA-regulated entities

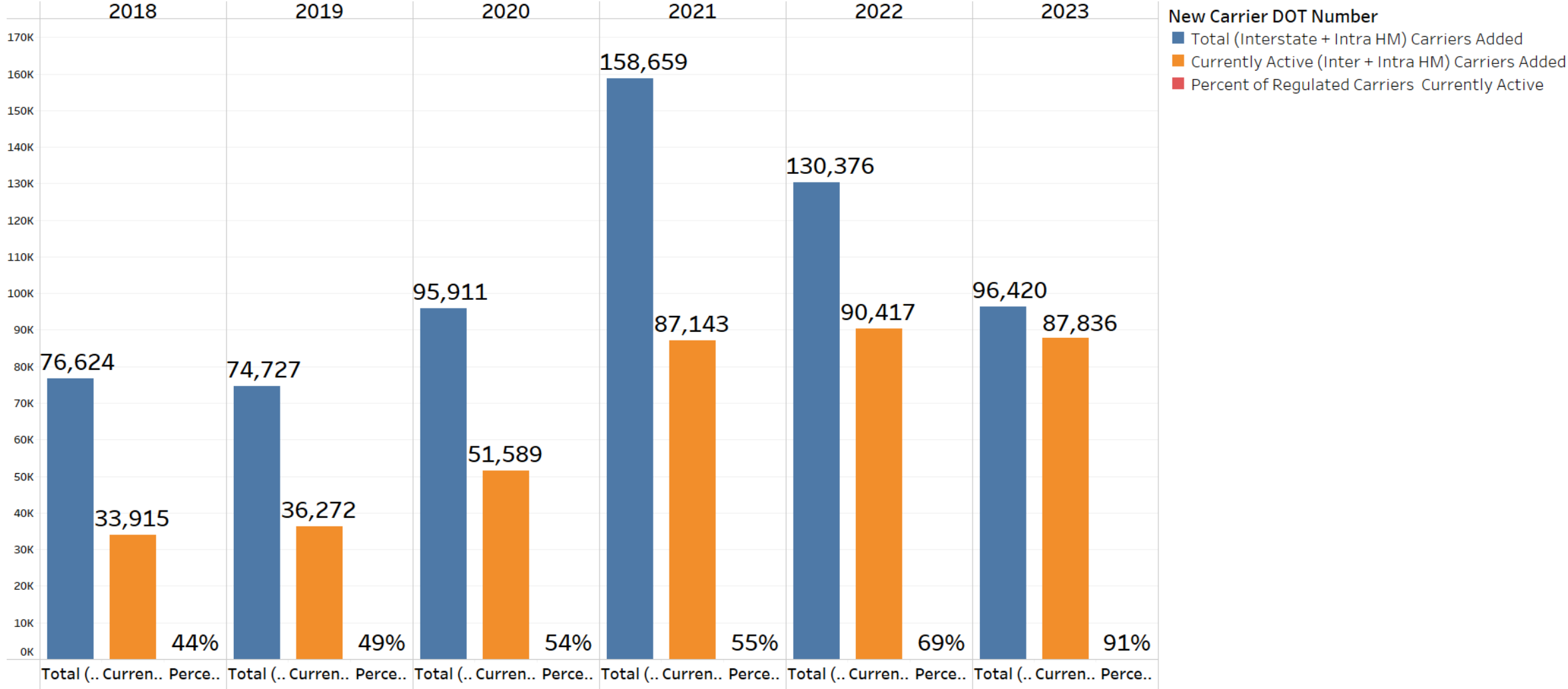
Large Truck and Bus Fatality Rate, 1988 – 2022



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

**In 2016, NHTSA made changes to revise the light pickup truck classification and reclassified 329 vehicles as large trucks (based on GVWR). Due to this methodology change, comparisons of 2016 FARS large truck data with prior years should be performed with caution.*

Interstate and Intrastate-Hazardous Material (HM) Carrier DOT Numbers Added by Year

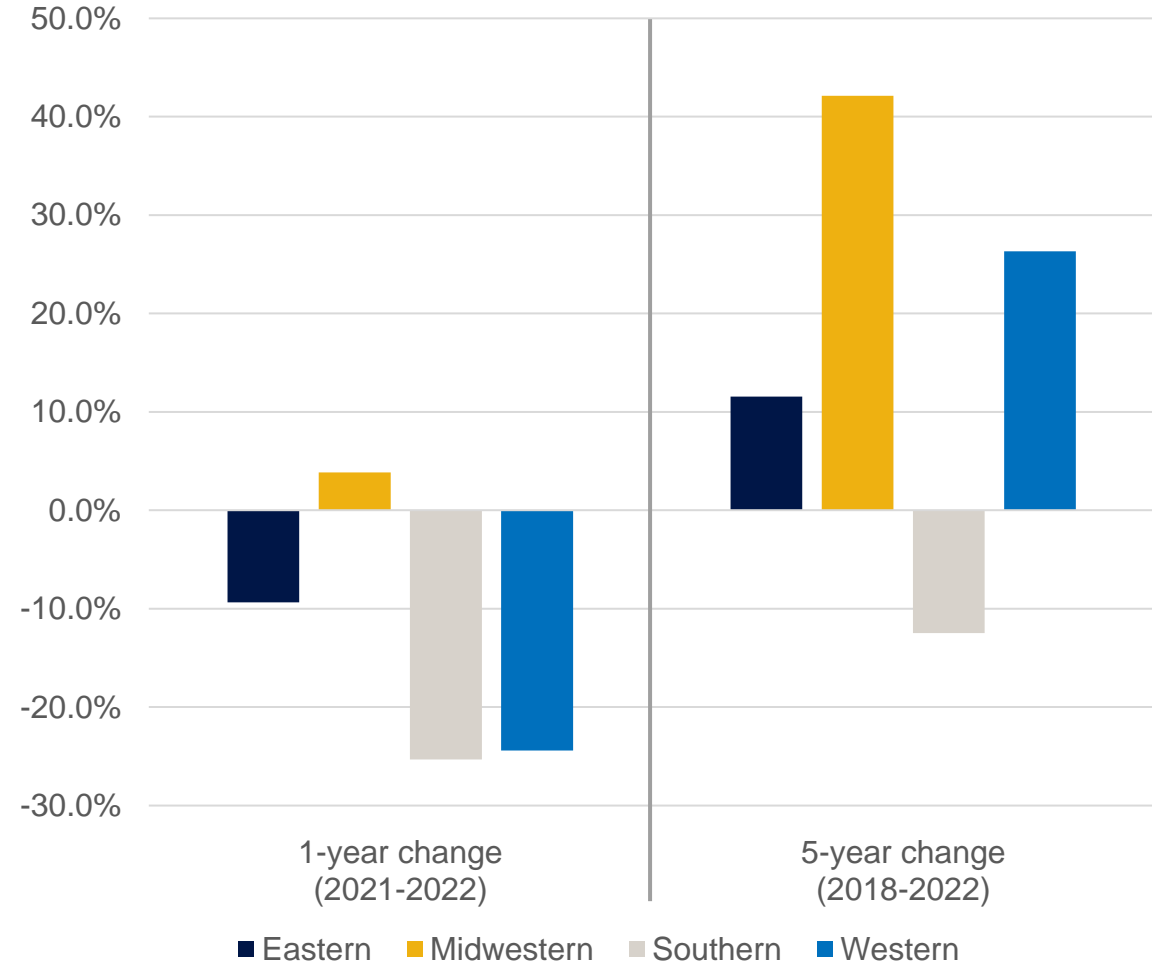
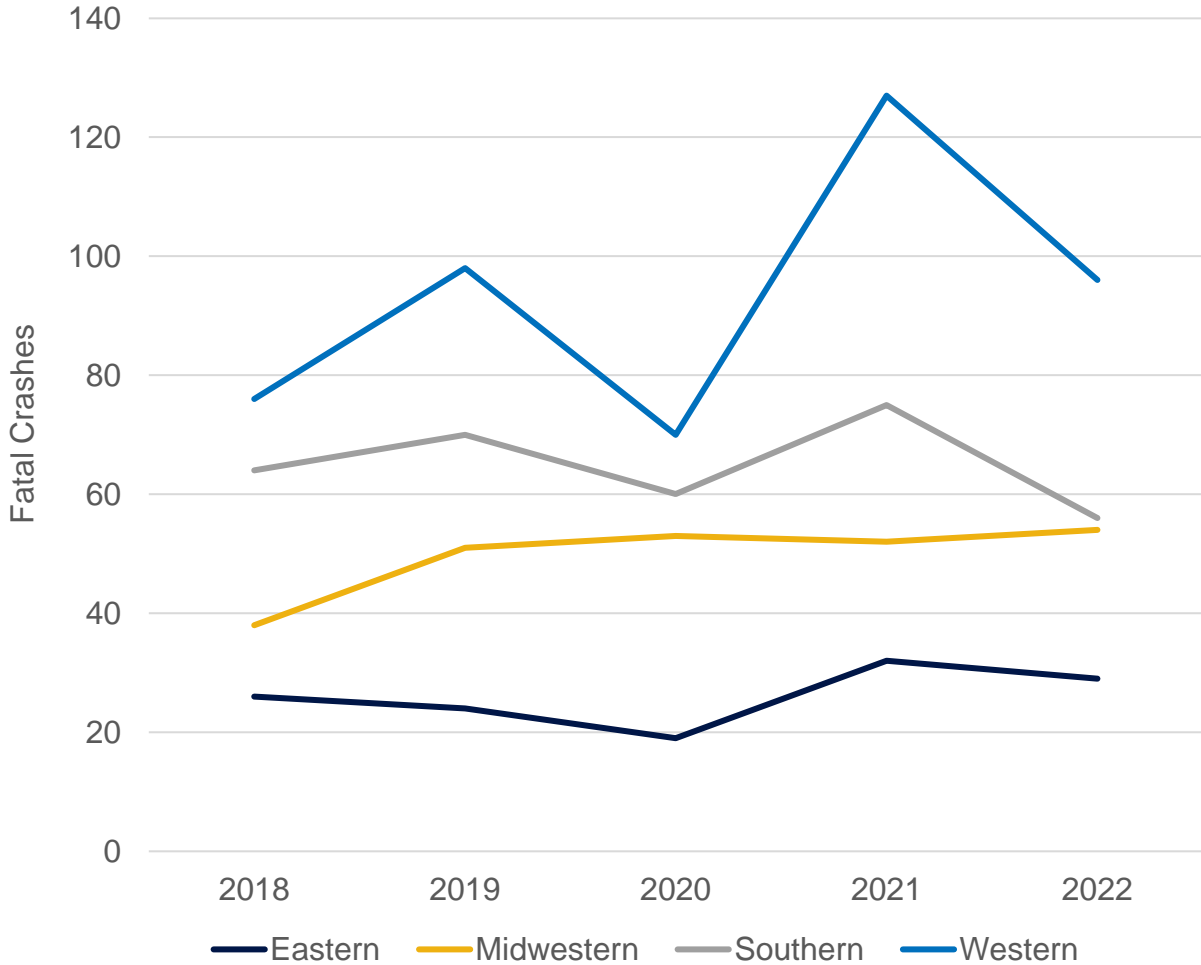


Fatal Crashes by Work Zone, 2018 – 2022

Fatal Crashes by Work Zone					
Work Zone	2018	2019	2020	2021	2022
Crashes Involving Large Trucks					
Fatal Crashes in Work Zone	207	249	205	291	241
Fatalities in Crashes in Work Zone	233	290	240	321	274
All Crashes					
Fatal Crashes in Work Zone	672	765	780	878	821
Fatalities in Crashes in Work Zone	756	845	863	961	891
Percentage of Fatal Work Zone Crashes that Involved at Least One Large Truck	30.8%	32.5%	26.3%	33.1%	29.4%
Percentage of ALL Fatal Crashes that Involved at Least One Large Truck	13.2%	13.4%	12.3%	13.0%	13.5%

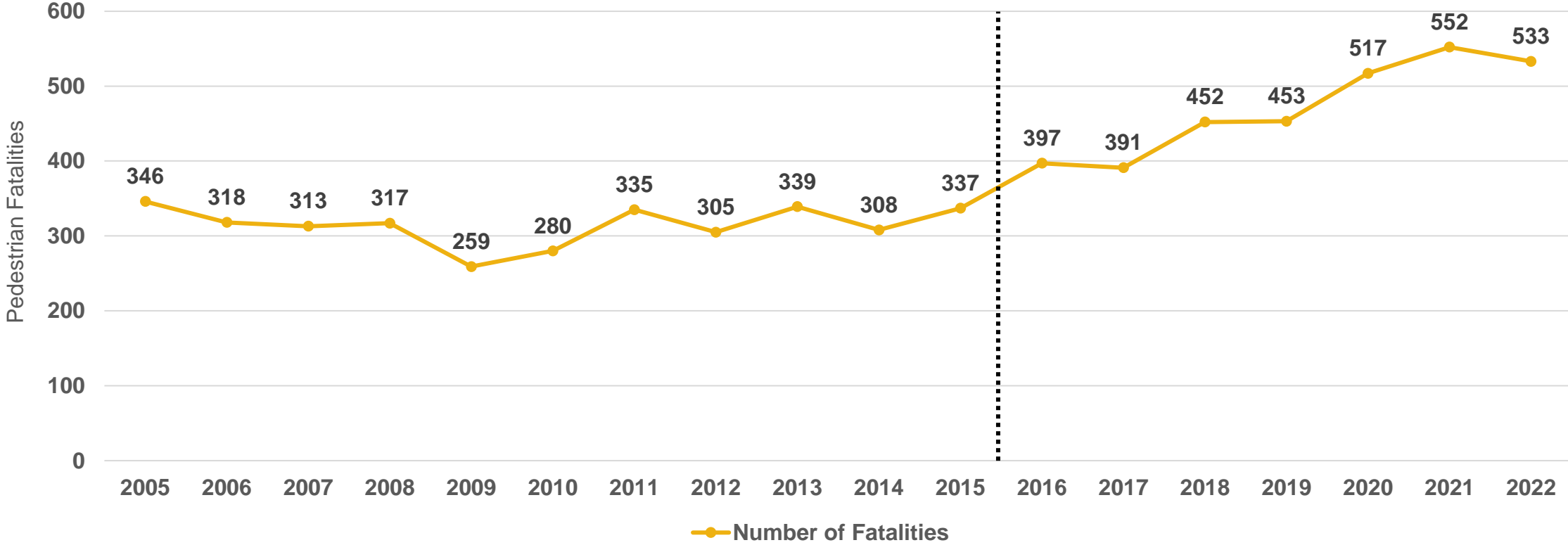
Source: National Highway Traffic Safety Administration, Fatality Analysis Reporting System (FARS)

Fatal Crashes by Work Zone and Service Center, 2018 – 2022



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

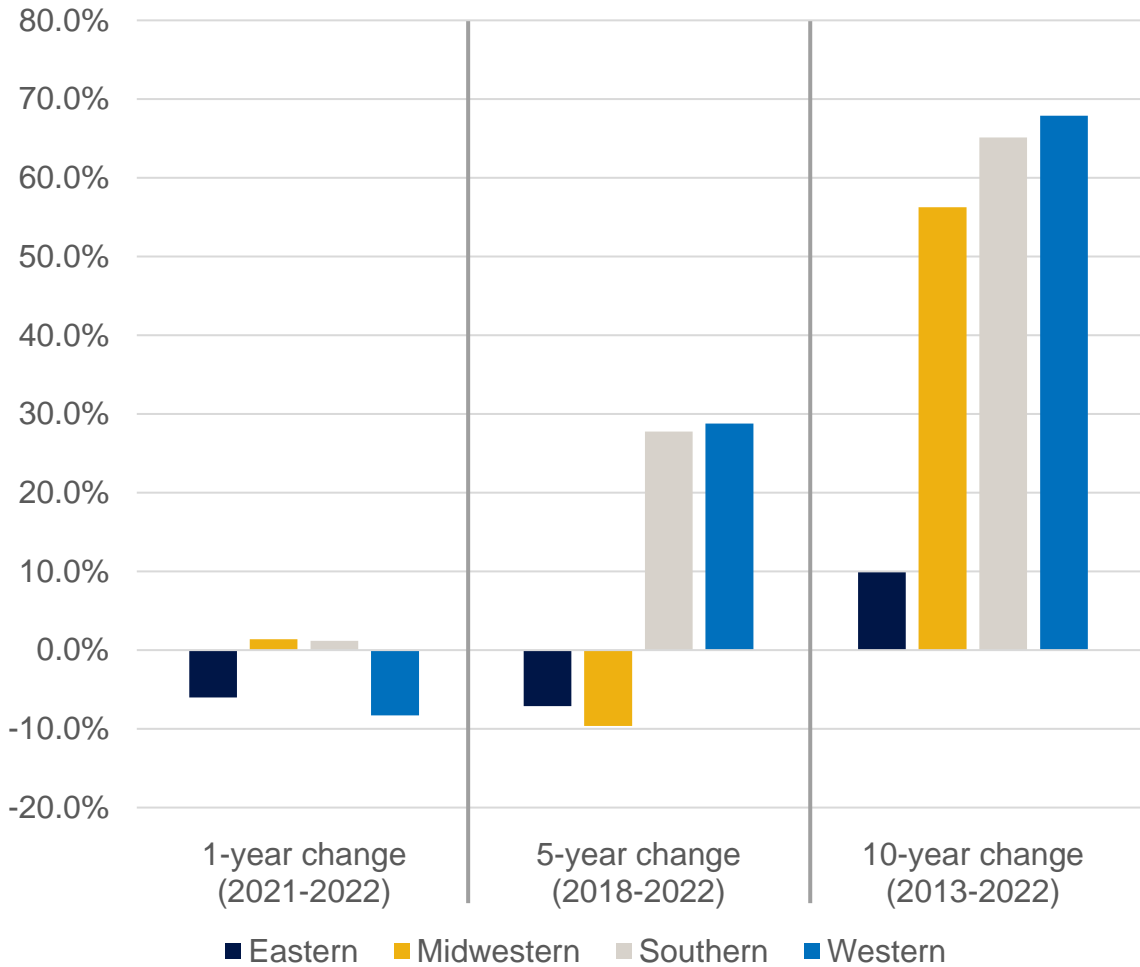
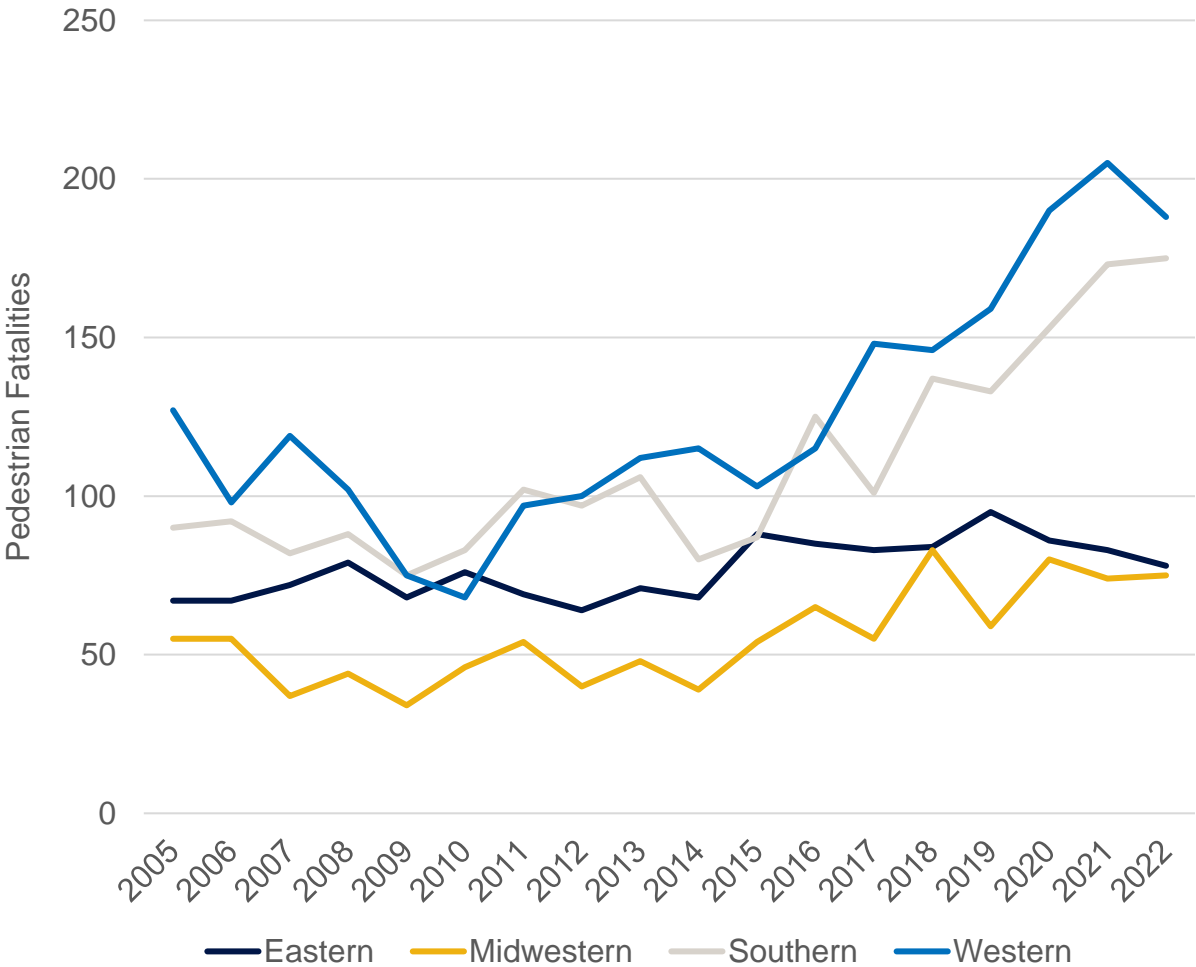
Pedestrian Fatalities in Large Truck Crashes, 2005 – 2022



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

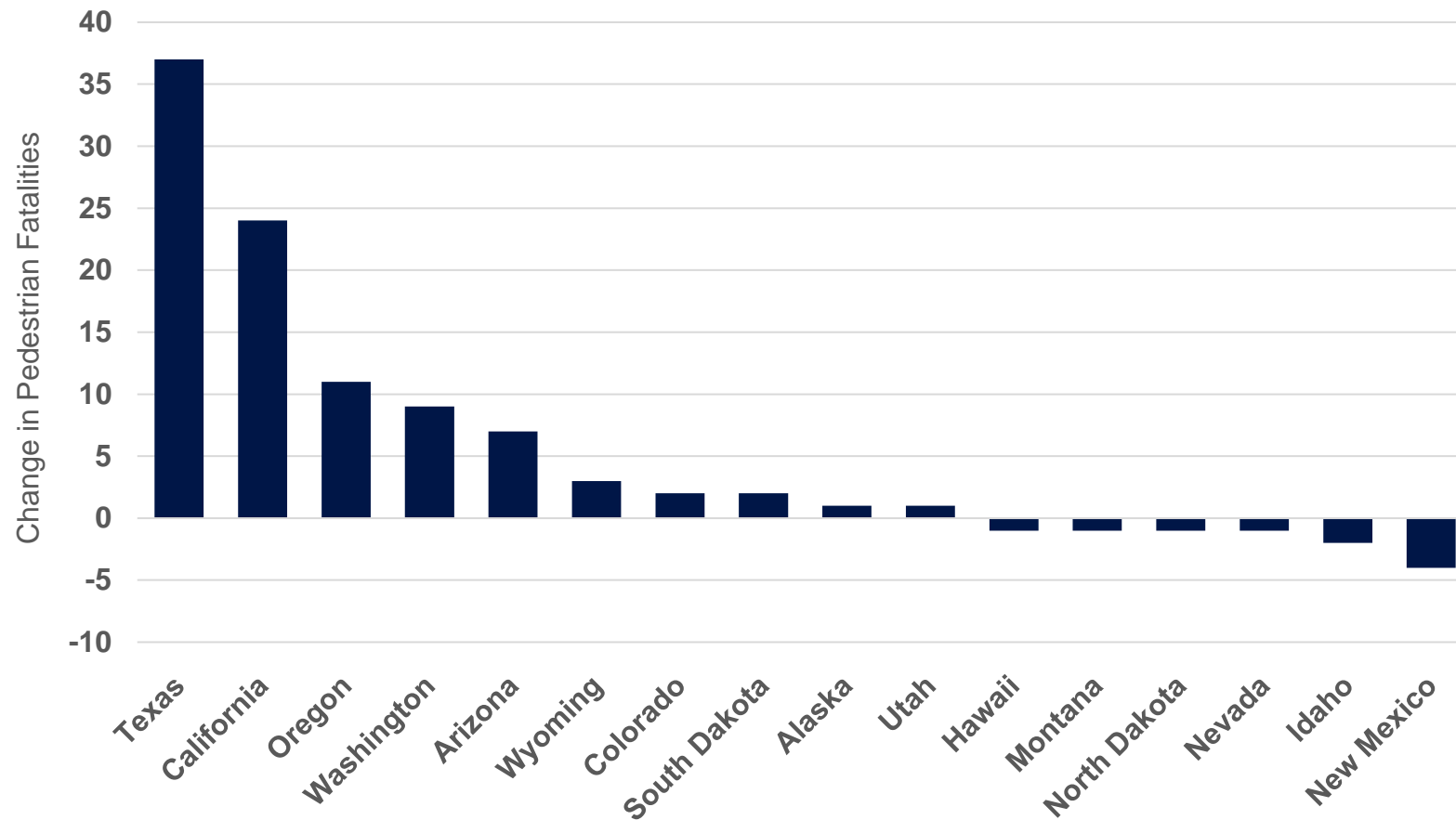
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Pedestrian Fatalities in Large Truck Crashes by Service Center, 2005 – 2022



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

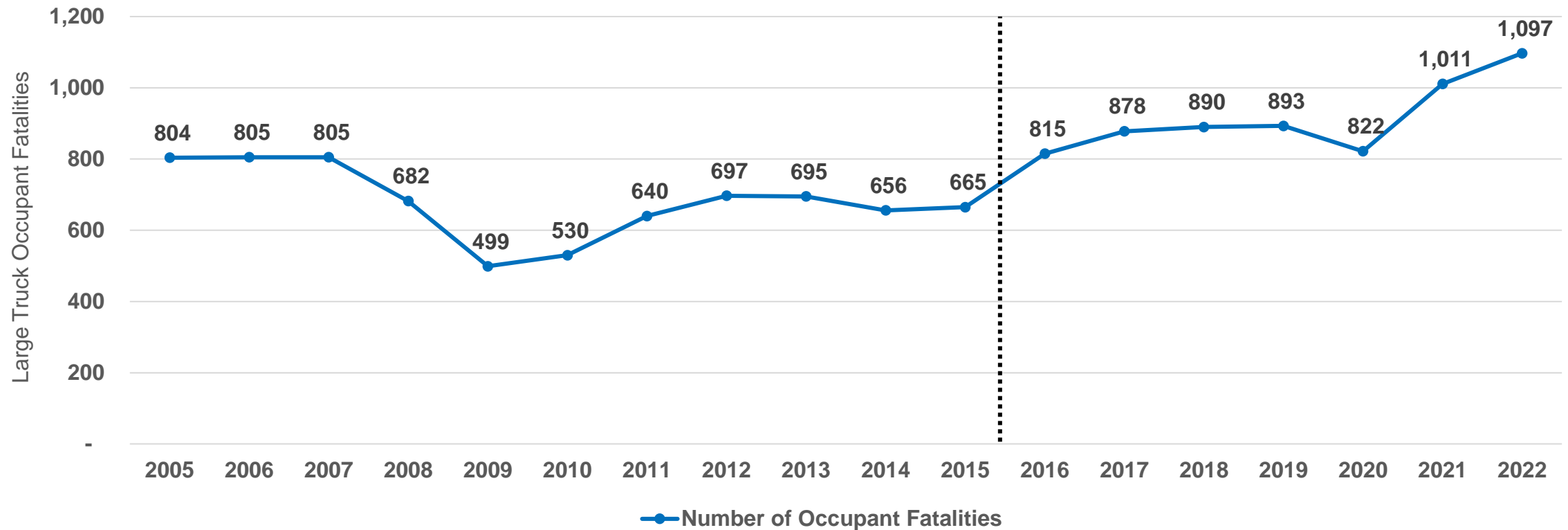
Pedestrian Fatalities in Large Truck Crashes, 10-year change (2013 – 2022)



State	Average Pedestrian Fatalities in Large Truck Crashes (2013-2022)
Texas	52.5
California	51.3
Arizona	10.1
New Mexico	6.8
Washington	6.5
Oregon	6.2
Colorado	5.5
Nevada	3.3
Montana	2.6
Utah	2.5
Idaho	2
Wyoming	1.5
South Dakota	1.2
Hawaii	0.8
North Dakota	0.8
Alaska	0.7

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

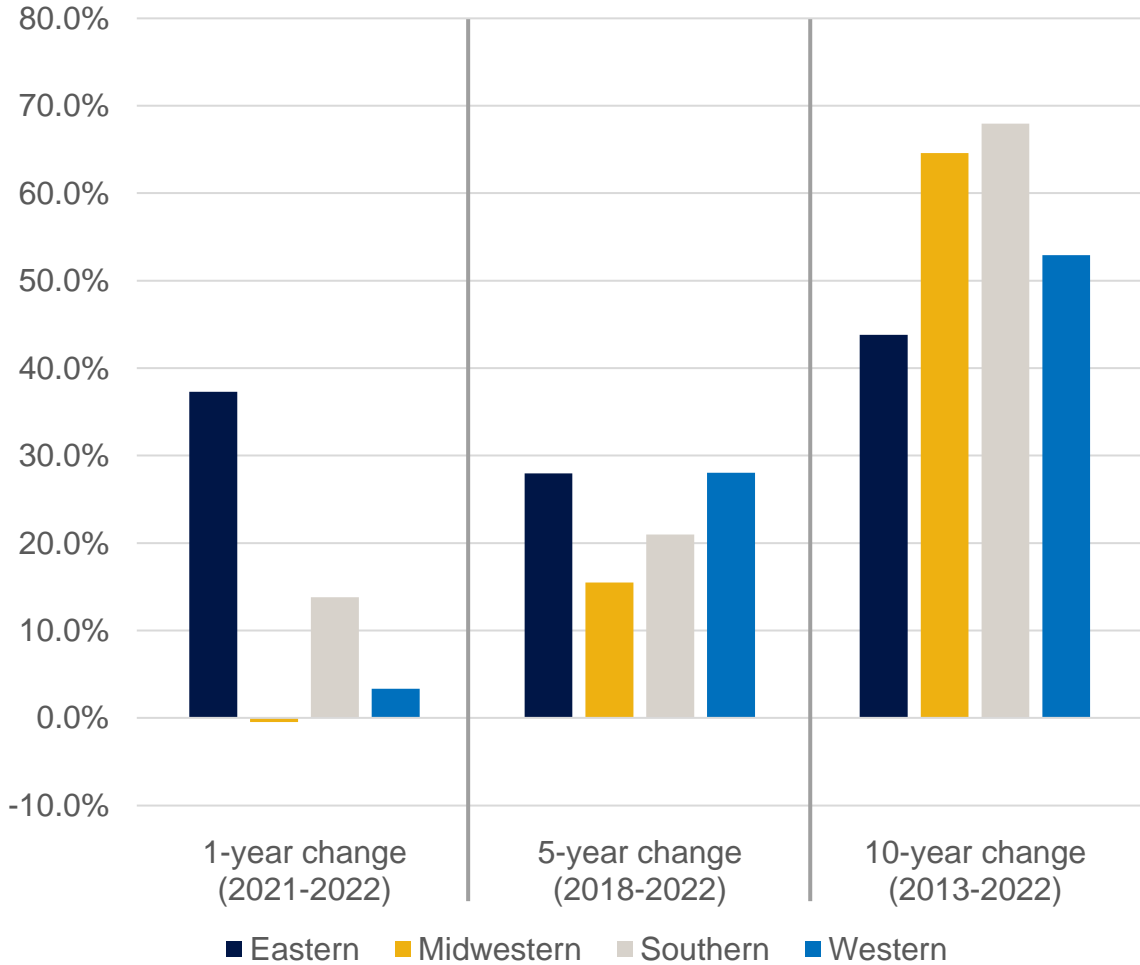
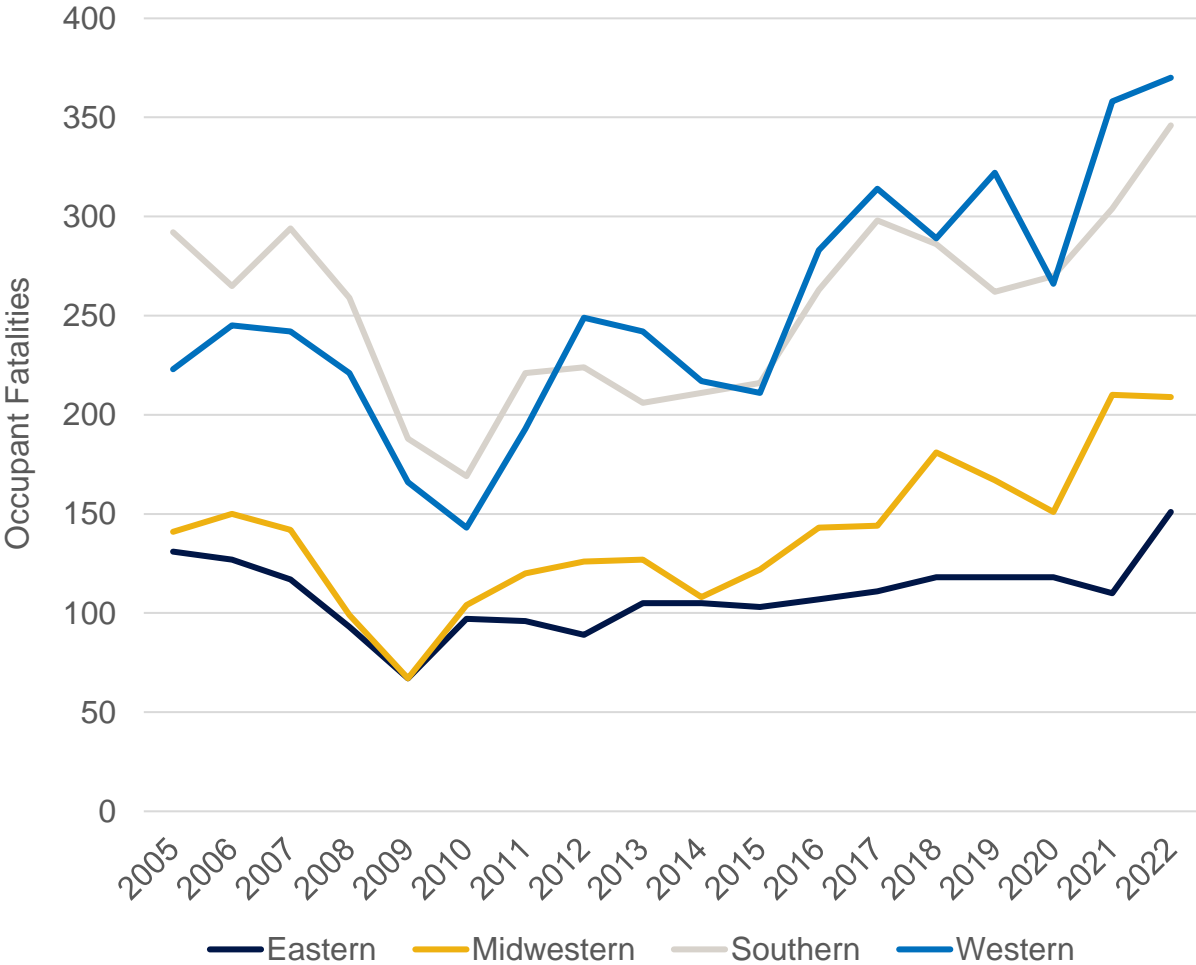
Large Truck Occupant Fatalities, 2005 – 2022



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

**In 2016, NHTSA made changes to revise the light pickup truck classification and reclassified 329 vehicles as large trucks (based on GVWR). Due to this methodology change, comparisons of 2016 FARS large truck data with prior years should be performed with caution.*

Large Truck Occupant Fatalities by Service Center, 2005 – 2022



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

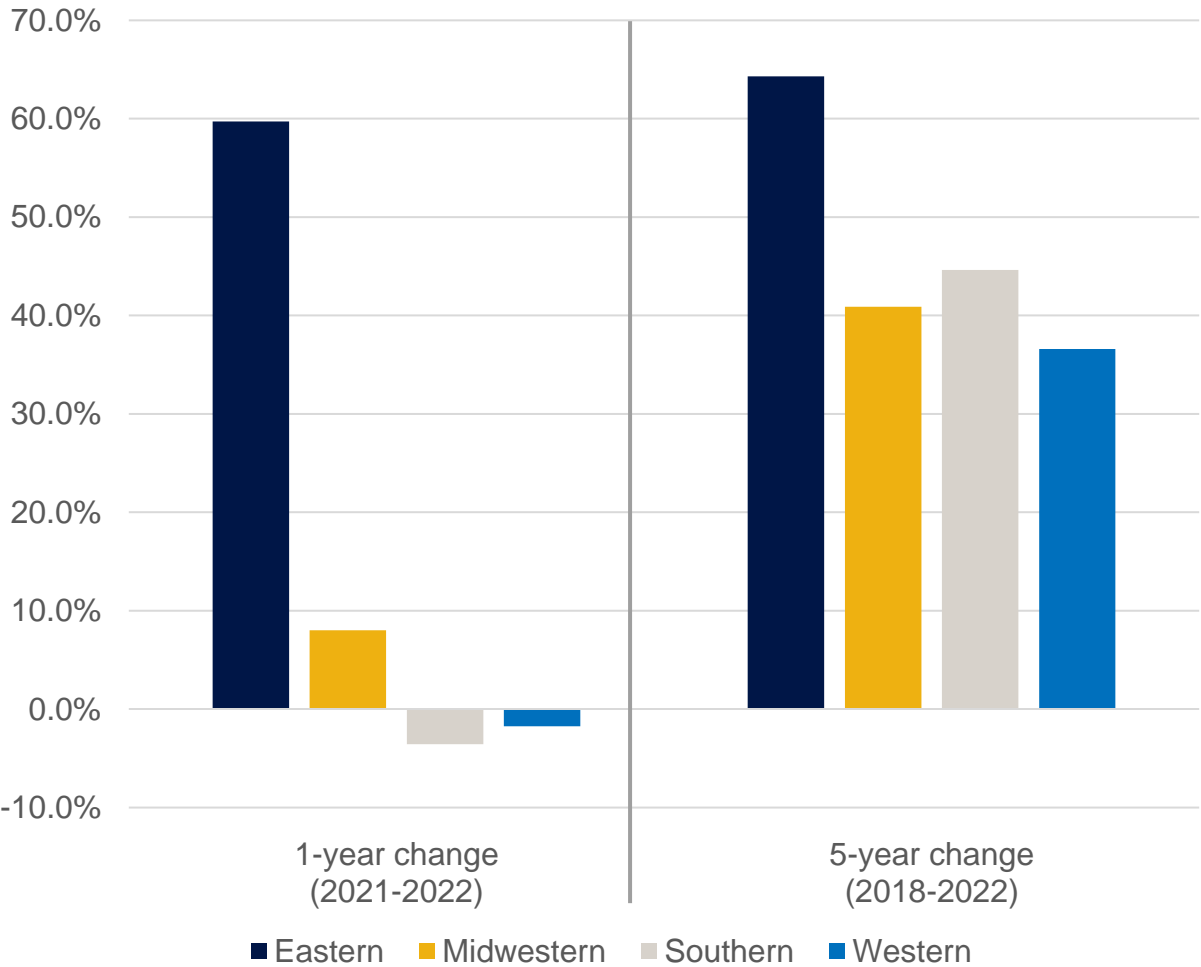
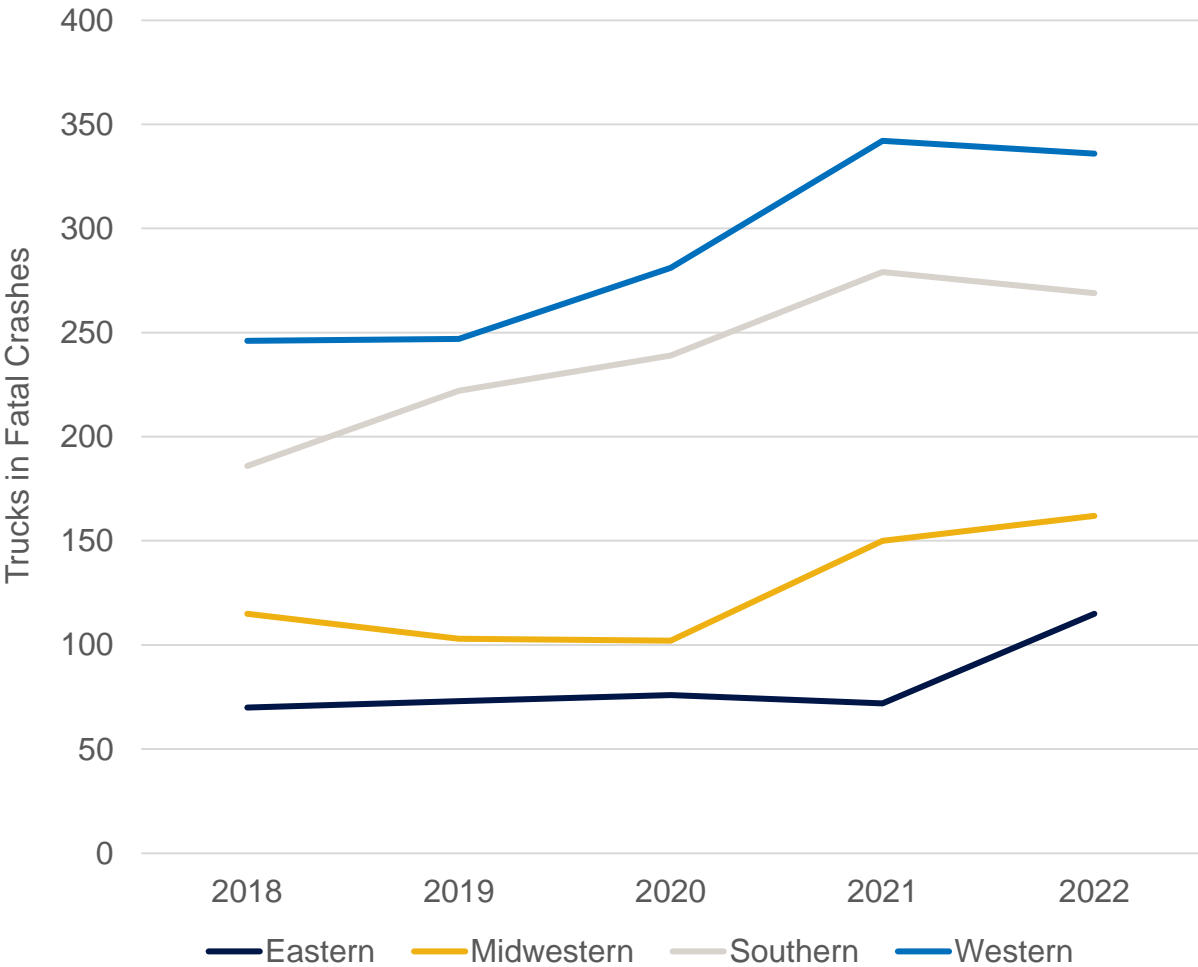
Large Trucks in Fatal Crashes by GVWR Class, 2018 – 2022

Truck Weight Rating	2018		2019		2020		2021		2022	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Class 1: < 6,000 lb	0	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Class 2: 6,001 - 10,000 lb	1	0.0%	0	0.0%	0	0.0%	0	0.0%	0	0.0%
Class 3: 10,001 - 14,000 lb	635	13.7%	658	13.7%	722	15.0%	871	15.2%	909	15.6%
Class 4: 14,001 - 16,000 lb	111	2.7%	132	2.7%	125	2.6%	143	2.5%	145	2.5%
Class 5: 16,001 - 19,500 lb	172	3.7%	163	3.4%	160	3.3%	232	4.0%	234	4.0%
Class 6: 19,501 - 26,000 lb	287	6.2%	274	5.7%	295	6.1%	388	6.8%	406	7.0%
Class 7: 26,001 - 33,000 lb	222	4.8%	235	4.9%	290	6.0%	326	5.7%	300	5.1%
Class 8: > 33,000 lb	3,197	69.1%	3,353	69.6%	3,229	67.0%	3,773	65.8%	3,843	65.8%
Unknown	3	0.1%	4	0.1%	0	0.0%	0	0.0%	0	0.0%
Total	4,628	100.0%	5,033	100.0%	4,821	100.0%	5,733	100.0%	5,837	100.0%

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

- From 2021 - 2022:
 - The number of large trucks in a fatal crash with a weight rating between 10,001 and 14,000 lbs. *increased* 4%
 - The number of large trucks in a fatal crash with a weight rating greater than 26,000 lbs. *increased* 1%

Class 3 Large Trucks in Fatal Crashes by Service Center, 2018 – 2022



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