

Roadway Departure Safety Basics

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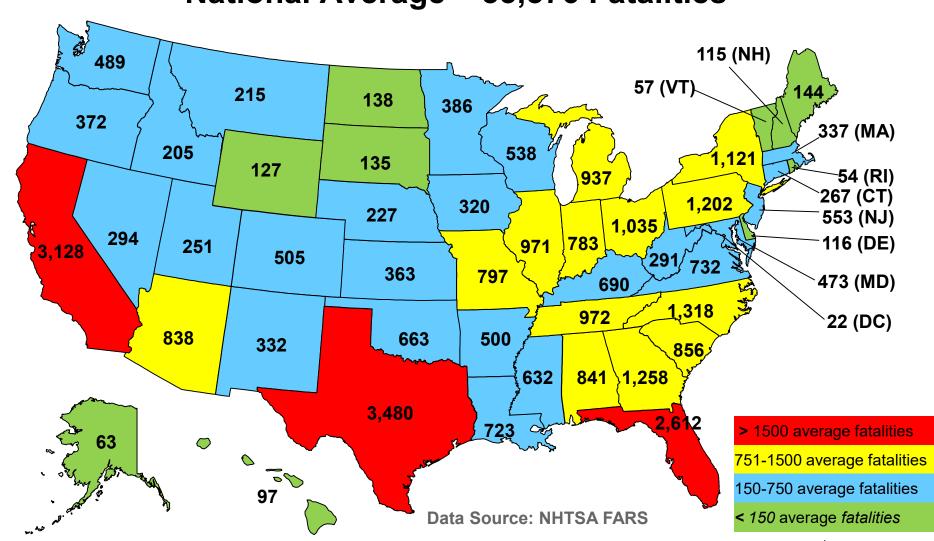




Fatalities in the USA

(2013 - 2015 Average)

National Average – 33,576 Fatalities

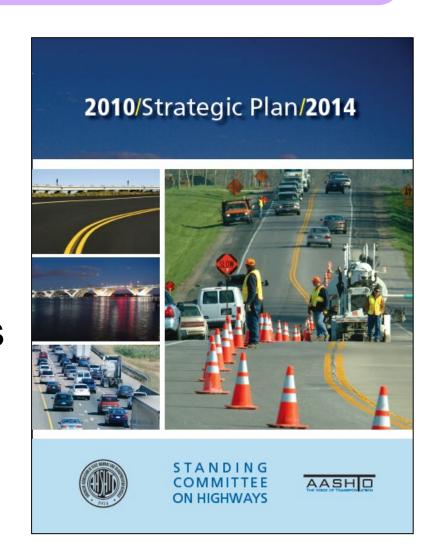




AASHTO Strategic Plan

Strategic Objective

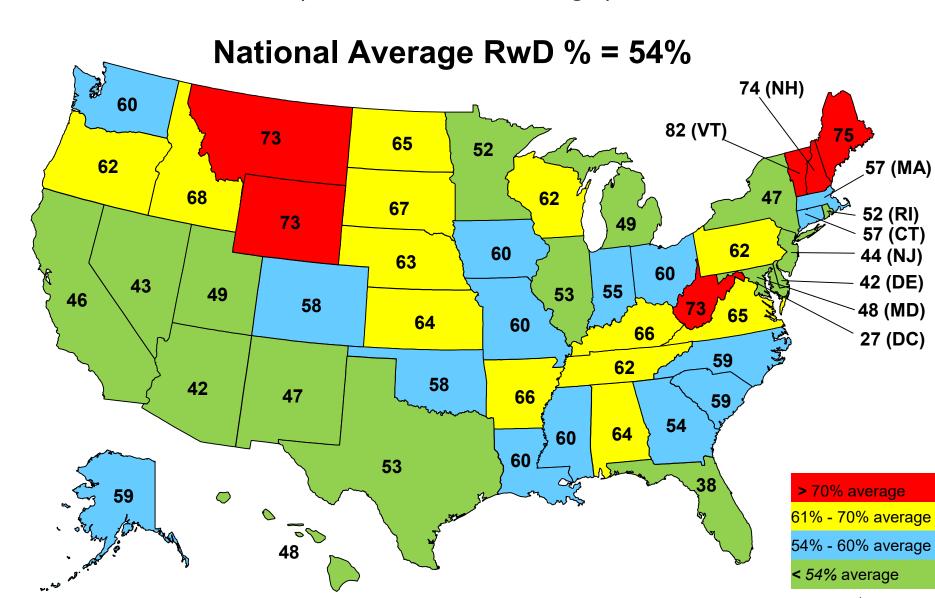
Promote highway-related strategies to assist in cutting fatalities by half by 2030 with a vision towards zero fatalities.





Roadway Departure Fatalities Percent

(2013 - 2015 Average)

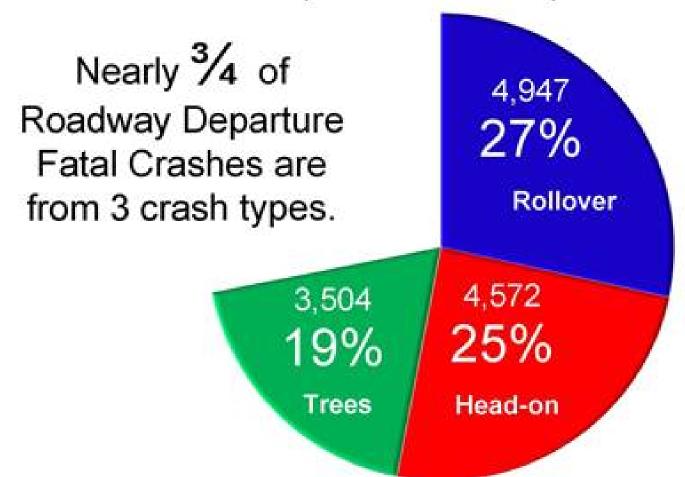






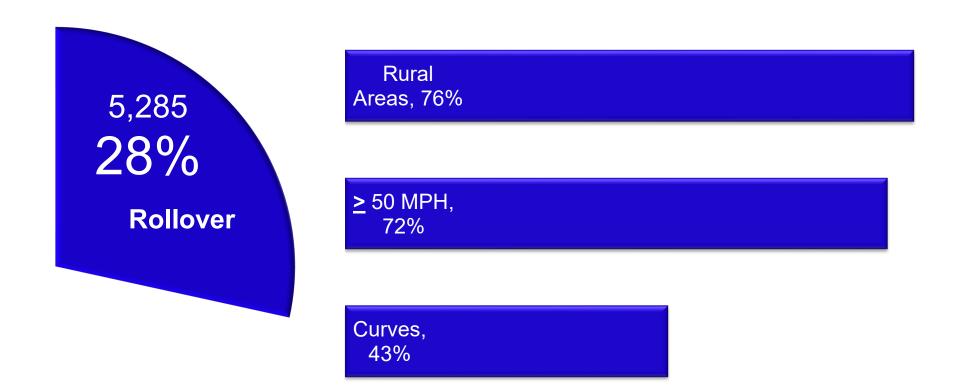
FHWA Roadway Departure Strategic Plan

Roadway Departure Fatalities by Most Harmful Event (FARS 2012-2014)





Overturn Crashes





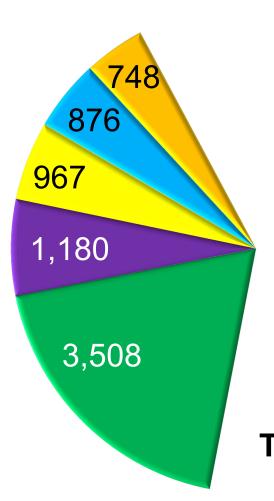
Opposite Direction Crashes



NCHRP Report 500, Volume 6
Reported that only 4.2% of head-ons involved a passing vehicle.



Fixed Object Fatal Crashes

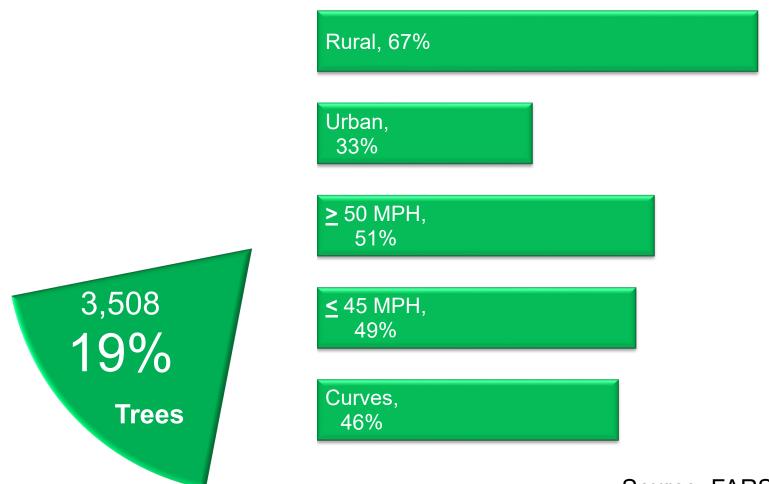


- Trees, Shrubs
- Signs, Poles, Signals
- Other Fixed Object
- Barriers
- Roadside Topography

Trees are 48% of Fixed Object Fatalities



Tree Crashes

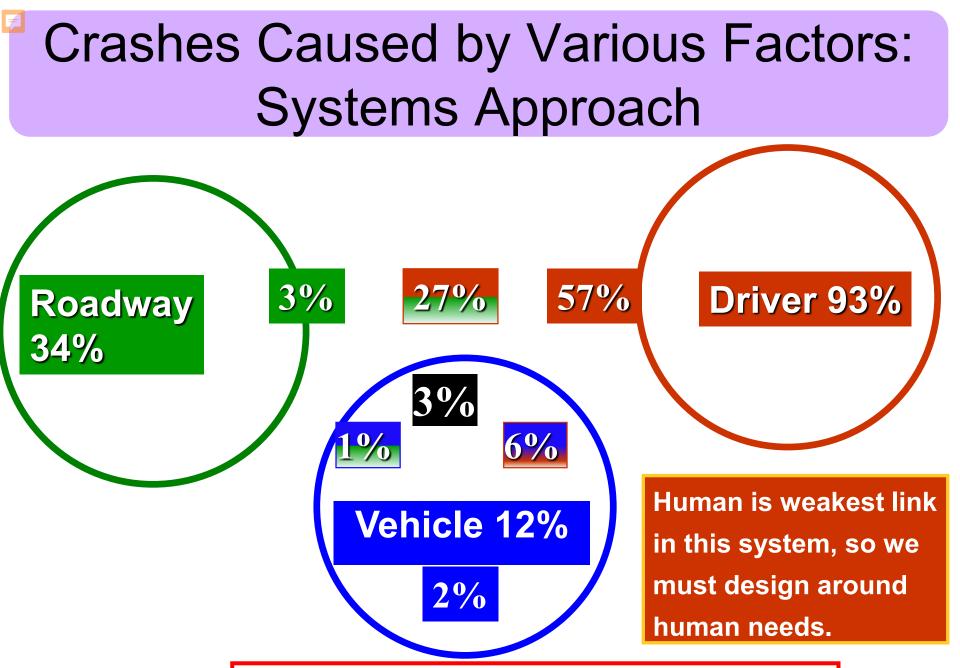


Trees are 48% of Fixed Object Fatalities



So, why do drivers leave the road?

- Roadway Condition
- Collision Avoidance
- Vehicle Component Failure
- Driver Error



FROM: Lum & Reagan, Public Roads Magazine,
Winter 1995, "Interactive Highway Safety Design Module"