

### Ken Kochevar Safety Program Manager

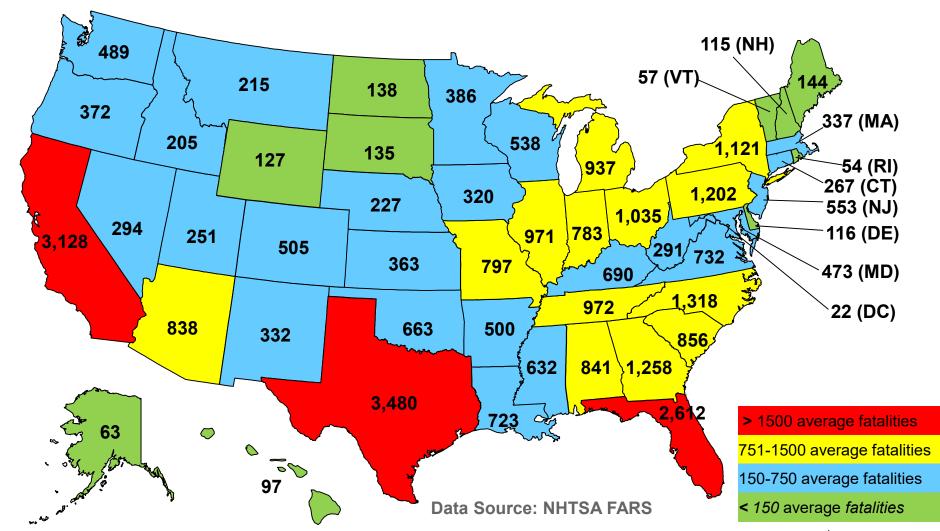
Federal Highway Administration



#### Fatalities in the USA (2013 - 2015 Average)

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#### 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.

#### 2010/Strategic Plan/2014



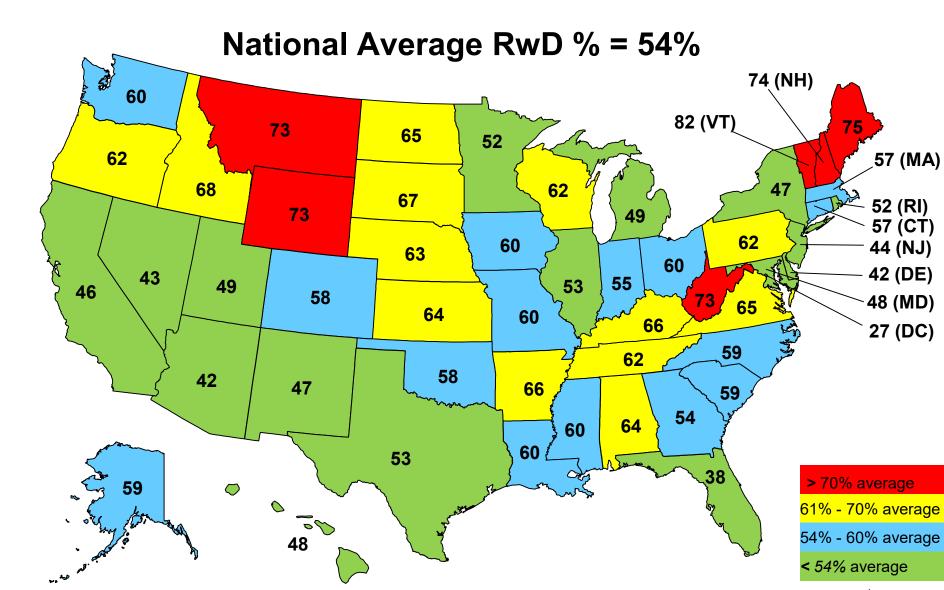


S T A N D I N G COMMITTEE ON HIGHWAYS



#### Roadway Departure Fatalities Percent (2013 - 2015 Average)

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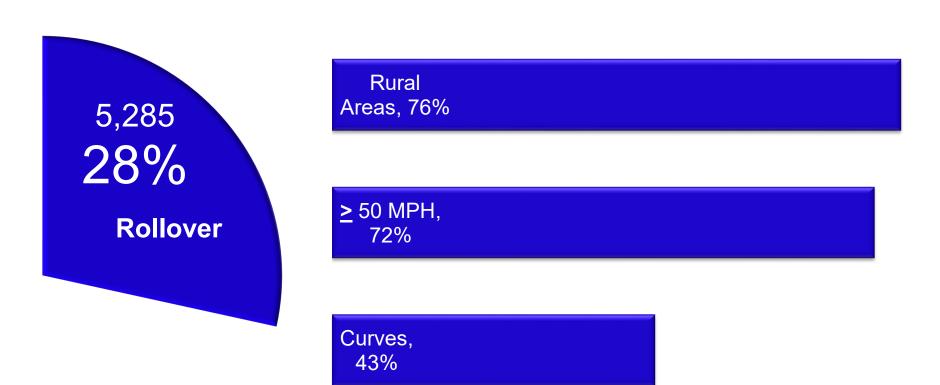


# FHWA Roadway Departure Strategic Plan

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

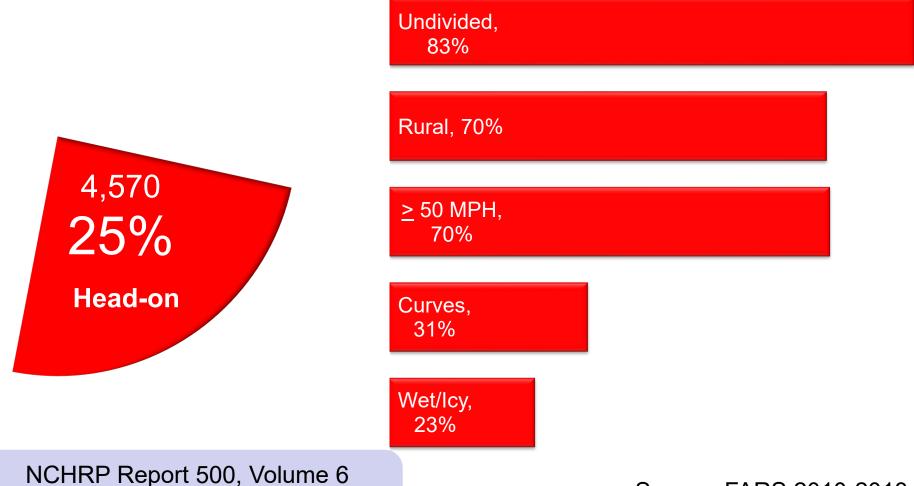
Nearly <sup>3</sup>/<sub>4</sub> of 4,947 **Roadway Departure** 27% Fatal Crashes are Rollover from 3 crash types. 4,572 3,504 25% 19% Trees Head-on

### **Overturn Crashes**



Source: FARS 2010-2013

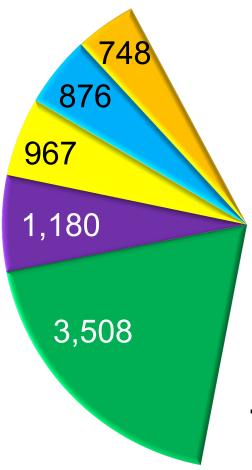
### **Opposite Direction Crashes**



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

Source: FARS 2010-2013

## **Fixed Object Fatal Crashes**



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Trees, Shrubs

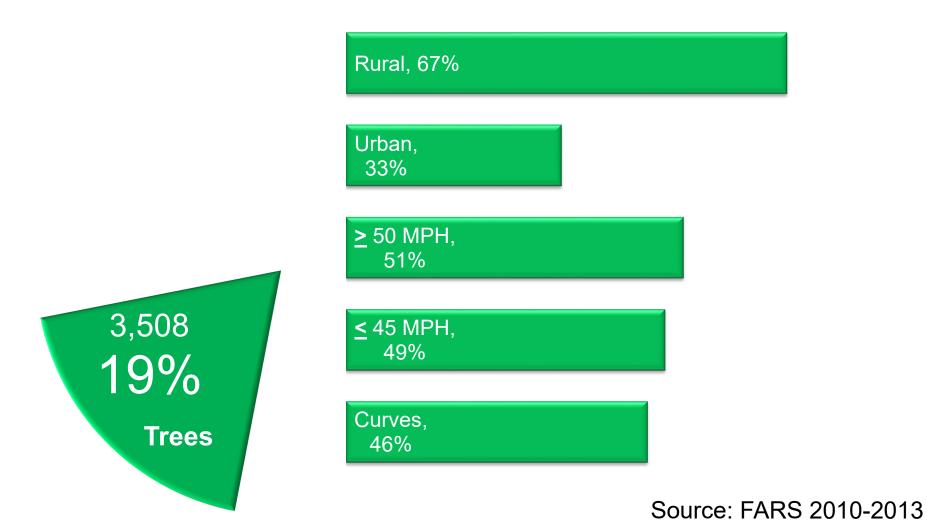
- Signs, Poles, Signals
- Other Fixed Object
- Barriers
- Roadside Topography

#### **Trees are 48% of Fixed Object Fatalities**

Source: FARS 2010-2013

#### **Tree Crashes**

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**Trees are 48% of Fixed Object Fatalities** 

### So, why do drivers leave the road?

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

# Crashes Caused by Various Factors: Systems Approach

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