### Webinar 2016 Overview

Fatality Analysis Reporting System (FARS)

> November 21, 2017 November 28, 2017



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### **Information Presented**

- Overall fatality picture
- Ten-year trends
- Behavioral factors
- Road user category
- Region/State



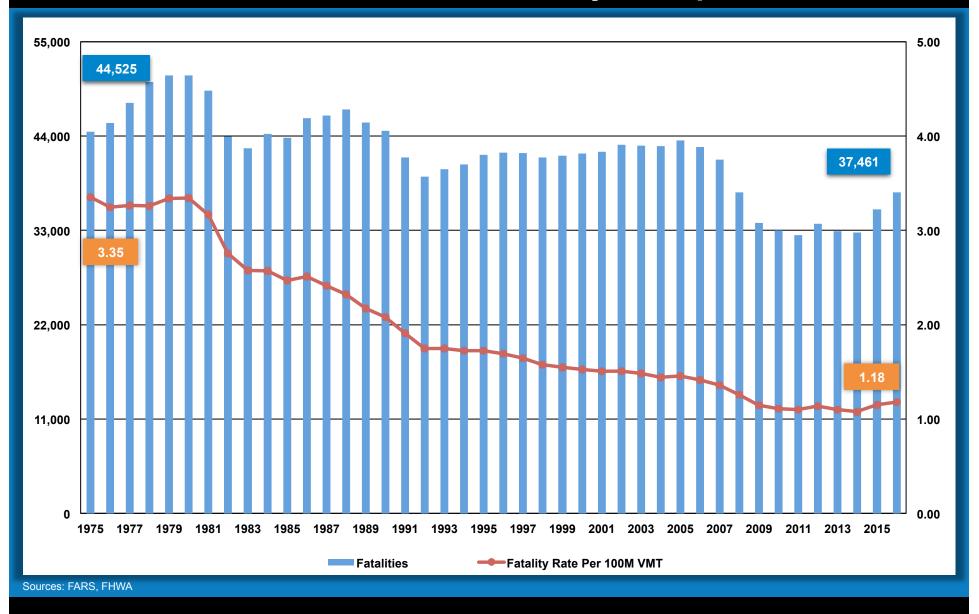


# **Overall Fatality Picture**



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#### Fatalities and Fatality Rate per 100M VMT



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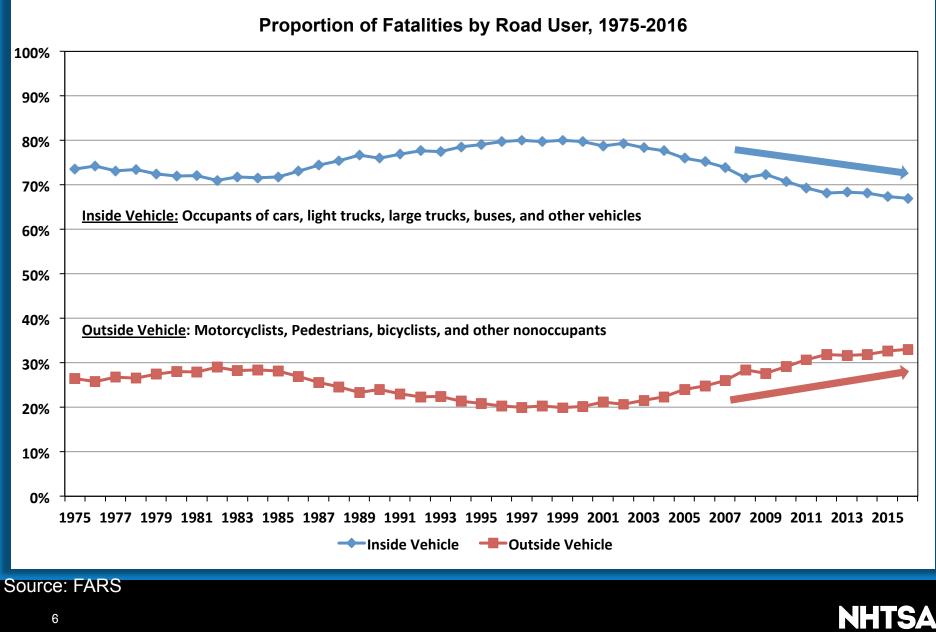
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#### 2016 Overview

- 37,461 people died on our highways.
   > An increase of 1,976 fatalities from 2015.
- Fatalities increased by 5.6%.
  Following a 8.4% increase in 2015.
  9.4% increase from 1963 to 1964.
- VMT increased by 2.2%.
   Following a 2.3% increase in 2015.
- Fatality rate increased by 2.6%.
   Following a 6.5% increase in 2015.



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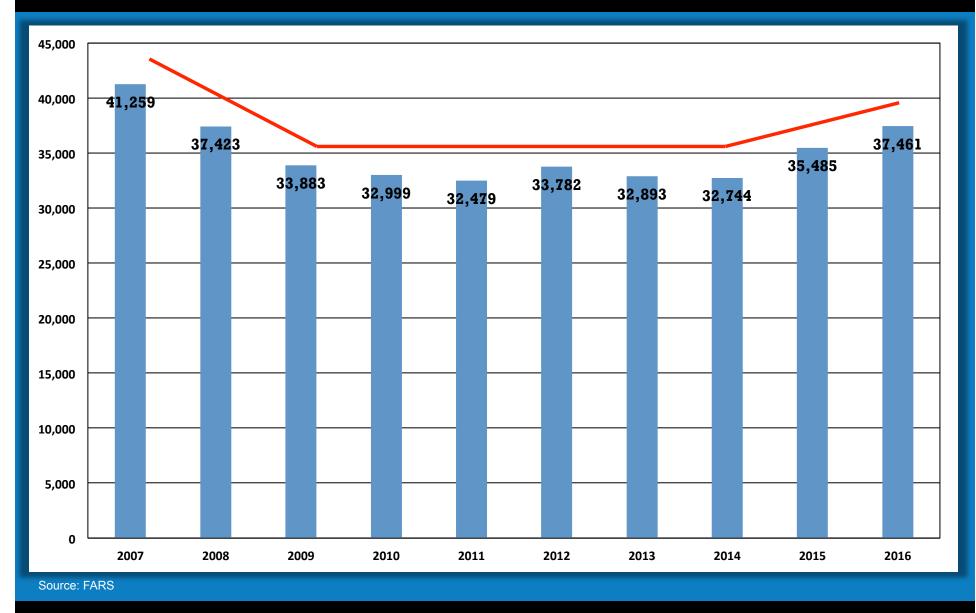


## **10-Year Trends**



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#### **Total Fatalities**



### Fatalities by Person Type, 2007-2016



| -    | Occupants          |                 |        |                 |             | Nonoccupants |               |                         |        |
|------|--------------------|-----------------|--------|-----------------|-------------|--------------|---------------|-------------------------|--------|
| Year | Passenger Vehicles |                 |        |                 |             |              |               | Other/                  | Total* |
|      | Passenger<br>Cars  | Light<br>Trucks | Total  | Large<br>Trucks | Motorcycles | Pedestrians  | Pedalcyclists | Unknown<br>Nonoccupants | Total  |
| 2007 | 16,614             | 12,458          | 29,072 | 805             | 5,174       | 4,699        | 701           | 158                     | 41,259 |
| 2008 | 14,646             | 10,816          | 25,462 | 682             | 5,312       | 4,414        | 718           | 188                     | 37,423 |
| 2009 | 13,135             | 10,312          | 23,447 | 499             | 4,469       | 4,109        | 628           | 151                     | 33,883 |
| 2010 | 12,491             | 9,782           | 22,273 | 530             | 4,518       | 4,302        | 623           | 185                     | 32,999 |
| 2011 | 12,014             | 9,302           | 21,316 | 640             | 4,630       | 4,457        | 682           | 200                     | 32,479 |
| 2012 | 12,361             | 9,418           | 21,779 | 697             | 4,986       | 4,818        | 734           | 227                     | 33,782 |
| 2013 | 12,037             | 9,186           | 21,223 | 695             | 4,692       | 4,779        | 749           | 190                     | 32,893 |
| 2014 | 11,947             | 9,103           | 21,050 | 656             | 4,594       | 4,910        | 729           | 204                     | 32,744 |
| 2015 | 12,761             | 9,878           | 22,639 | 665             | 5,029       | 5,495        | 829           | 235                     | 35,485 |
| 2016 | 13,412             | 10,302          | 23,714 | 722             | 5,286       | 5,987        | 840           | 252                     | 37,461 |

Source: FARS 2007-2015 Final, 2016 ARF

\* Includes occupants of buses and other/unknown vehicles.



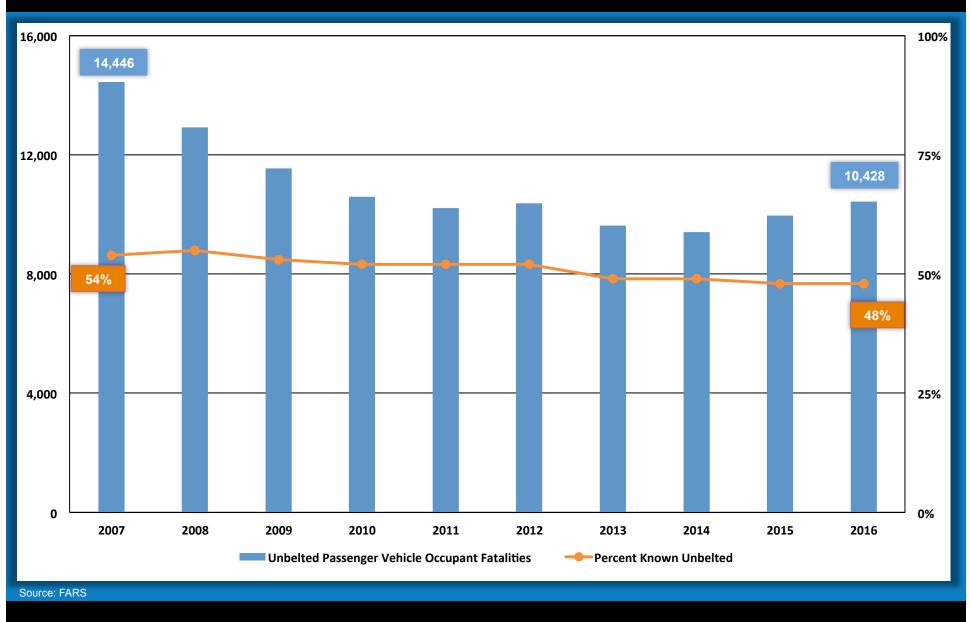


## **Behavioral Factors**



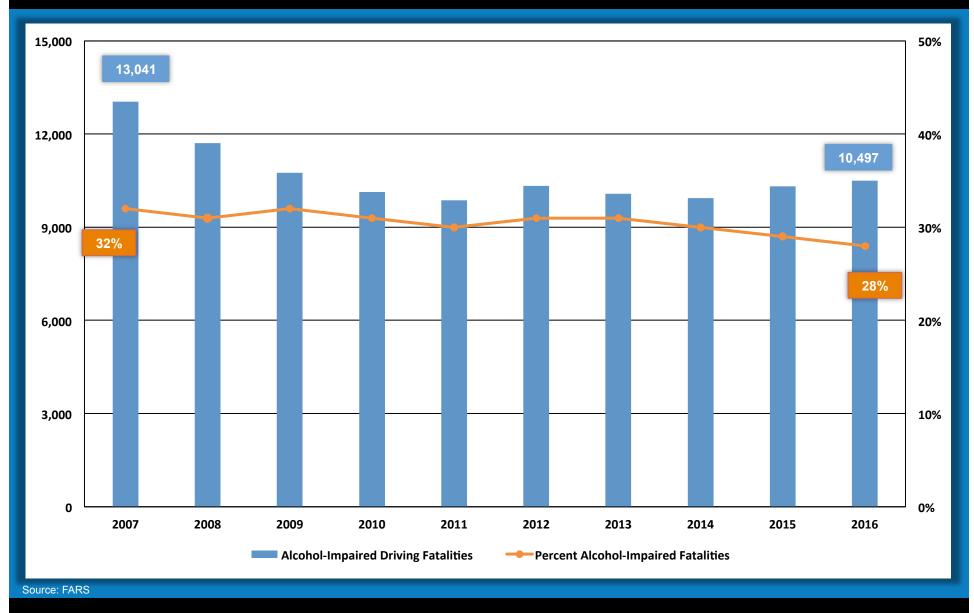
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#### **Unbelted Passenger Vehicle Occupant Fatalities**



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#### **Alcohol-Impaired-Driving Fatalities**

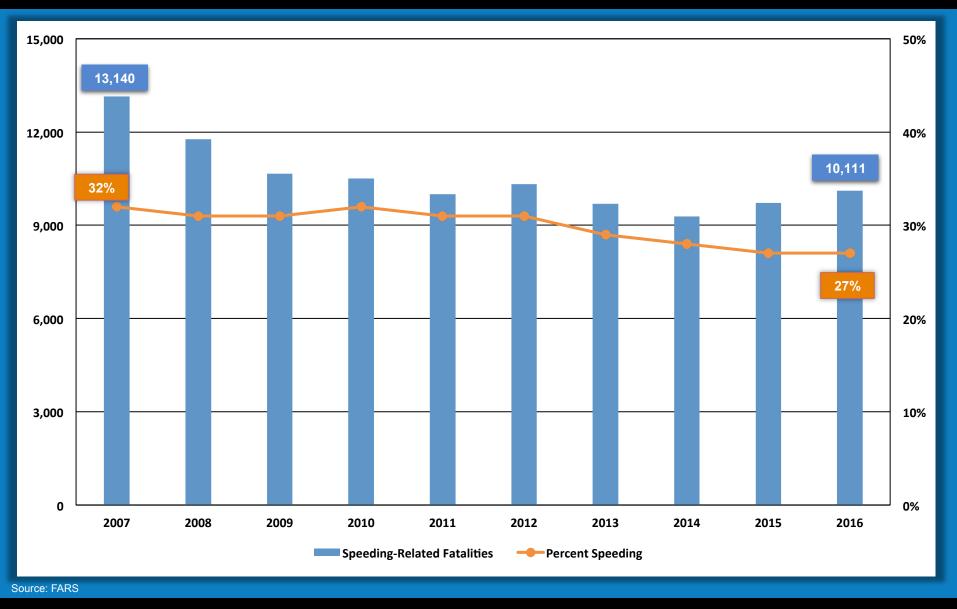


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### **Speeding-Related Fatalities**



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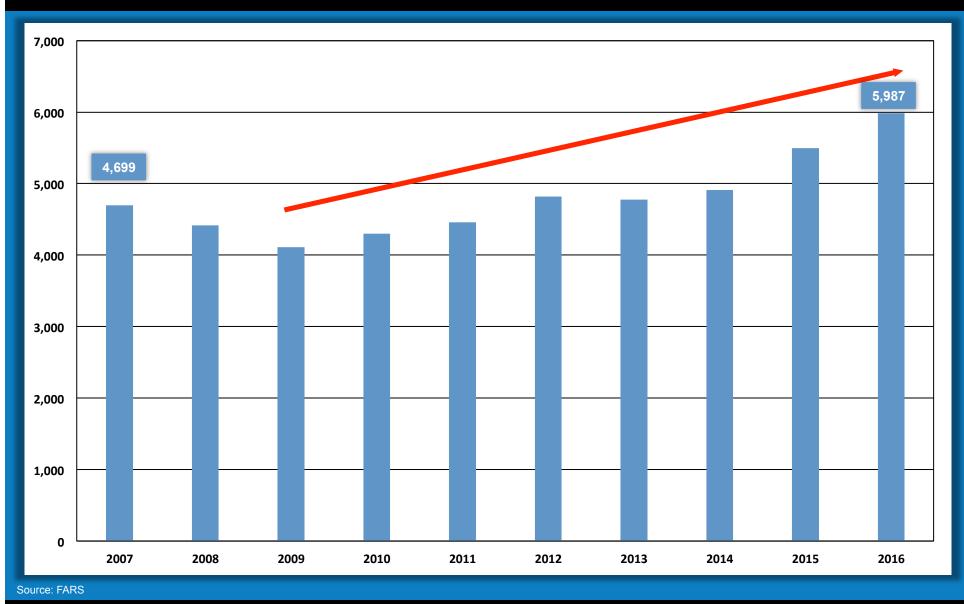


# **Road User Category**



#### **Pedestrian Fatalities**







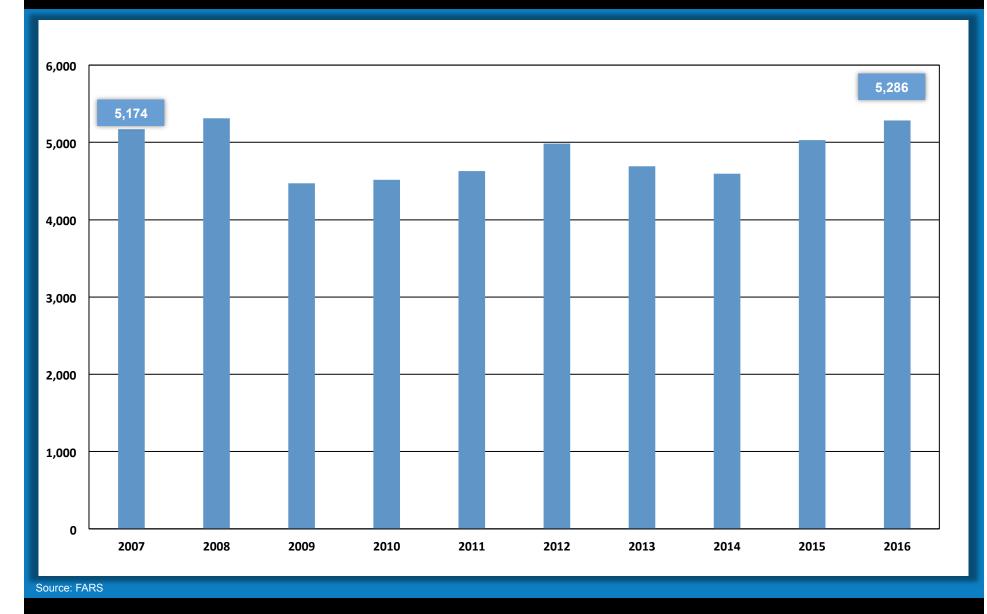
> **5,987** pedestrian fatalities in 2016.

An increase of 492 fatalities (a 9% increase from 2015).
 Pedestrian fatalities highest since 1990 (6,482).
 A pedestrian was killed every 1.5 hours in 2016.

> 48% involved alcohol (driver or pedestrian).



**Motorcyclist Fatalities** 



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### > 5,286 motorcyclist fatalities in 2016.

> An increase of 257 fatalities (a 5.1% increase from 2015).

> Motorcyclist fatalities highest since 2008 (5,312).

Motorcycle registrations increased from 7.1 million in 2007 to 8.6 million in 2015 (latest data available).



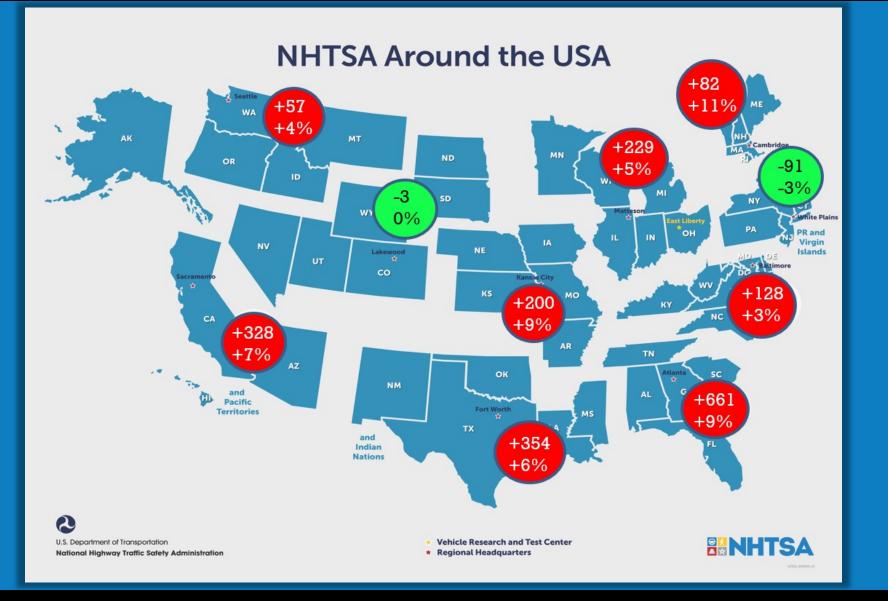


# **Region/State**



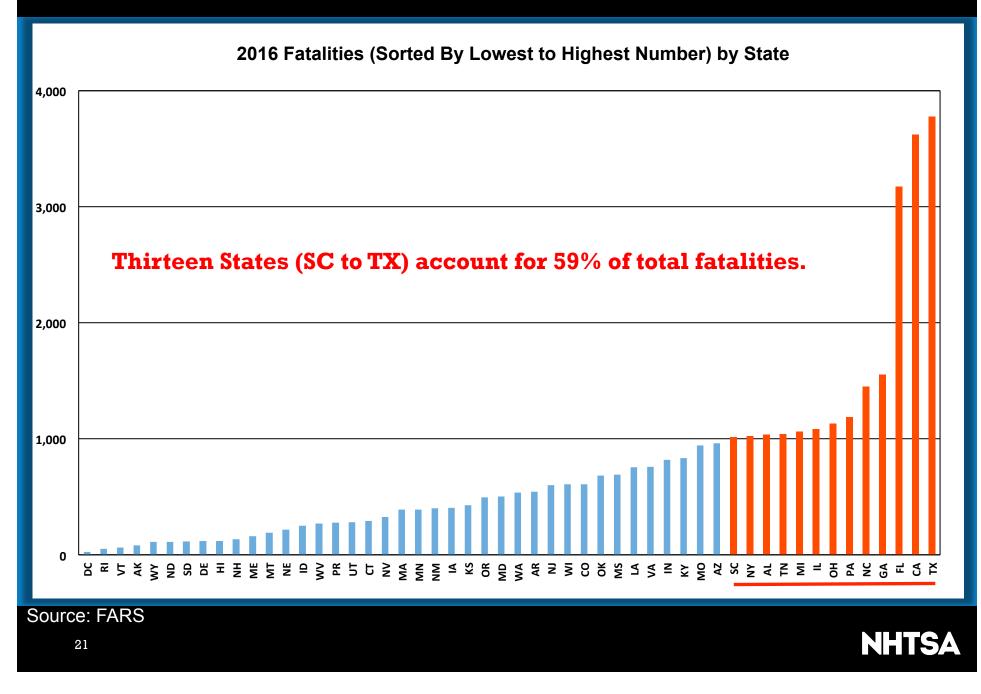
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#### 2016 Change in Fatalities and Percent Change from 2015, by NHTSA Region

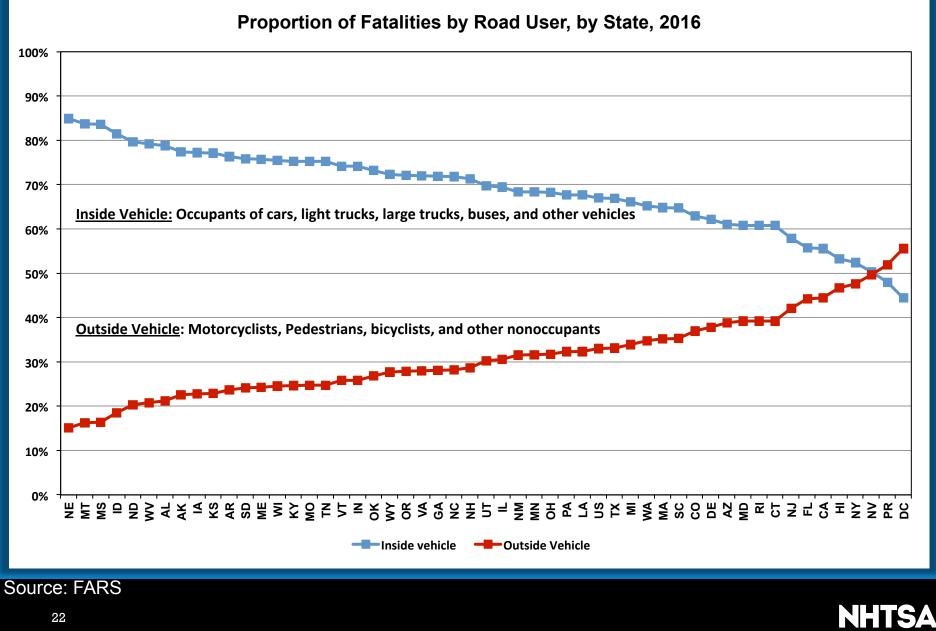




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### Summary

- In 2016 overall fatality picture worsened across most categories.
- Among road user fatalities pedestrians are increasing significantly.
- Large disparity among Regions/States.
- Ten-year fatality trend shows:
  - Large declines in fatalities from 2007 to 2009.
  - Fatalities remained around the same from 2010 to 2014.
  - Increases in fatalities in 2015 and 2016.



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- NHTSA redesigned the nationally representative sample of police-reported traffic crashes, which estimates the number of police-reported injury and property-damage-only crashes in the United States.
- **Crash Report Sampling System (CRSS)** replaces the National Automotive Sampling System (NASS) General Estimates System (GES) in 2016.
- The 2016 estimates from CRSS are not yet available.
- NHTSA is currently processing the file to ensure the data is accurate and complete, and is finalizing the new weighting and calibration procedures to produce national estimates.
- Once completed, NHTSA will release the data and publish the estimated number of police-reported injury and property-damage-only crashes that occurred during 2016.





# **Questions??**

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