



National Transportation Safety Board

Scope and Risk of Speeding

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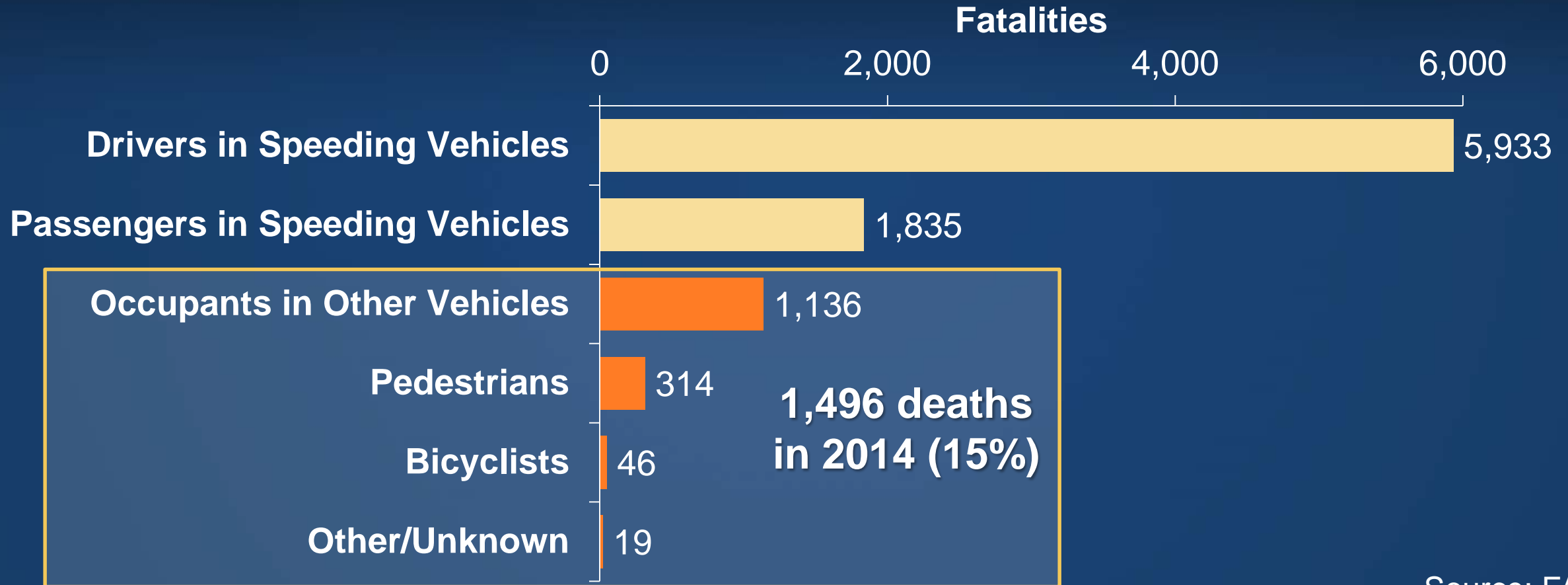
Transportation Research Analyst

Speeding-Related Fatalities, 2005-2014



Source: FARS

Speeding-Related Fatalities by Person Type, 2014

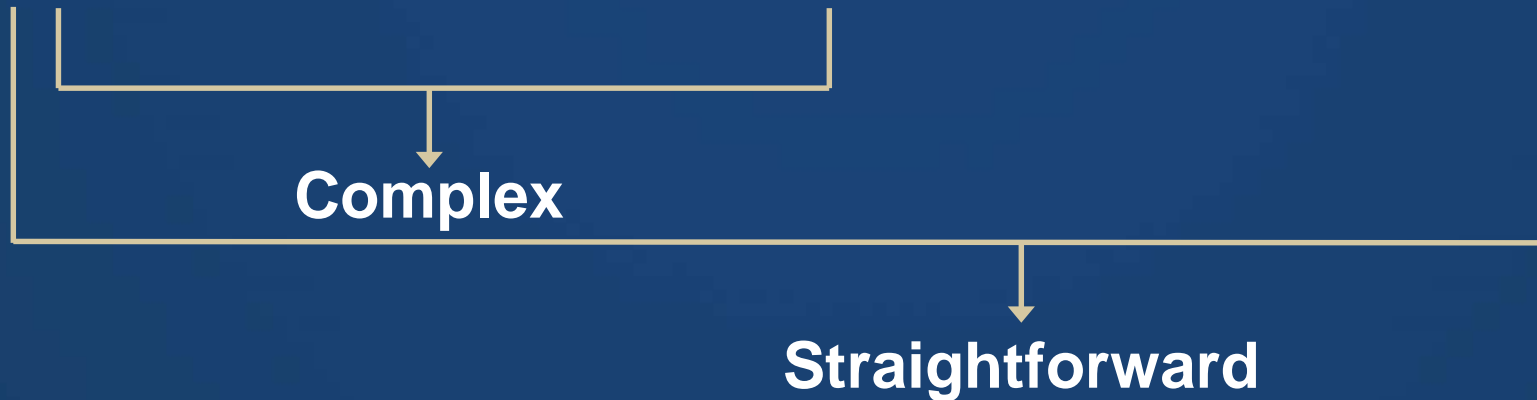


Source: FARS

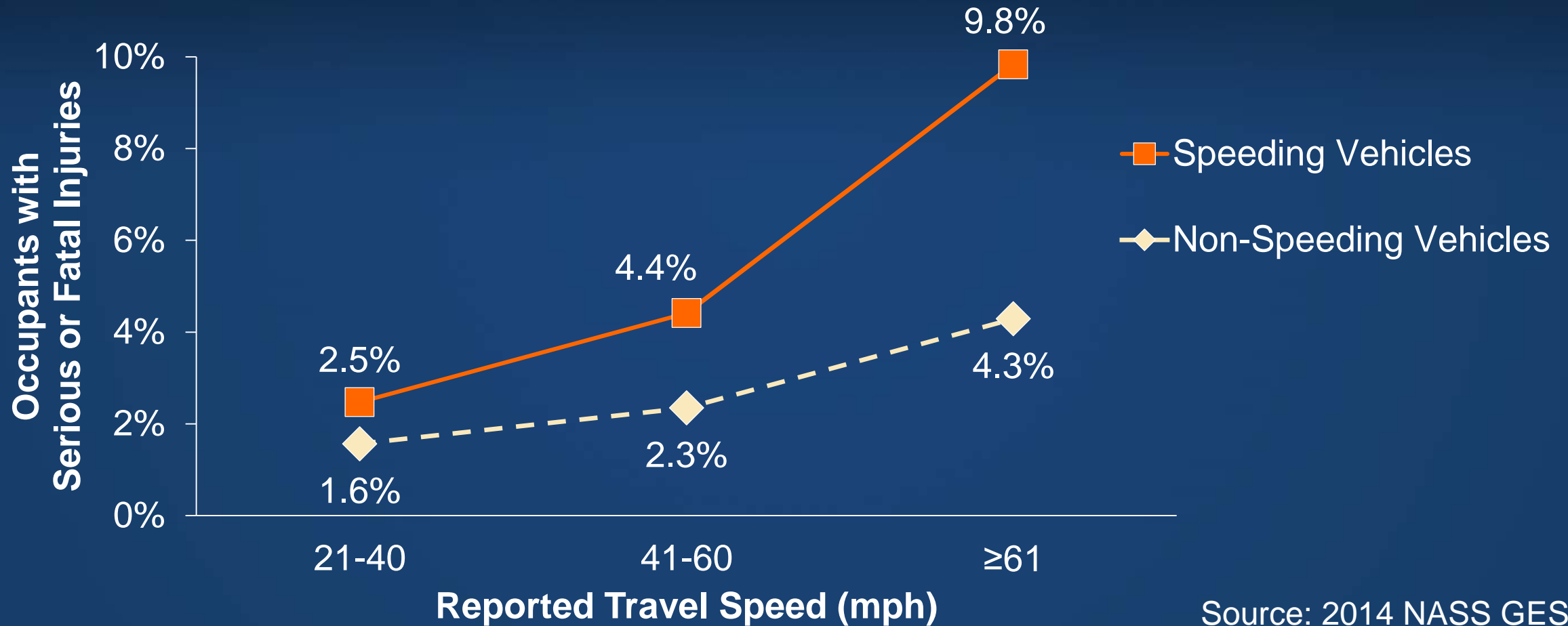
Risk of Speeding

$$\text{Risk} = \text{Likelihood} \times \text{Consequence}$$

$$\text{Risk of Speeding} = \text{Crash Involvement} \times \text{Crash Severity}$$

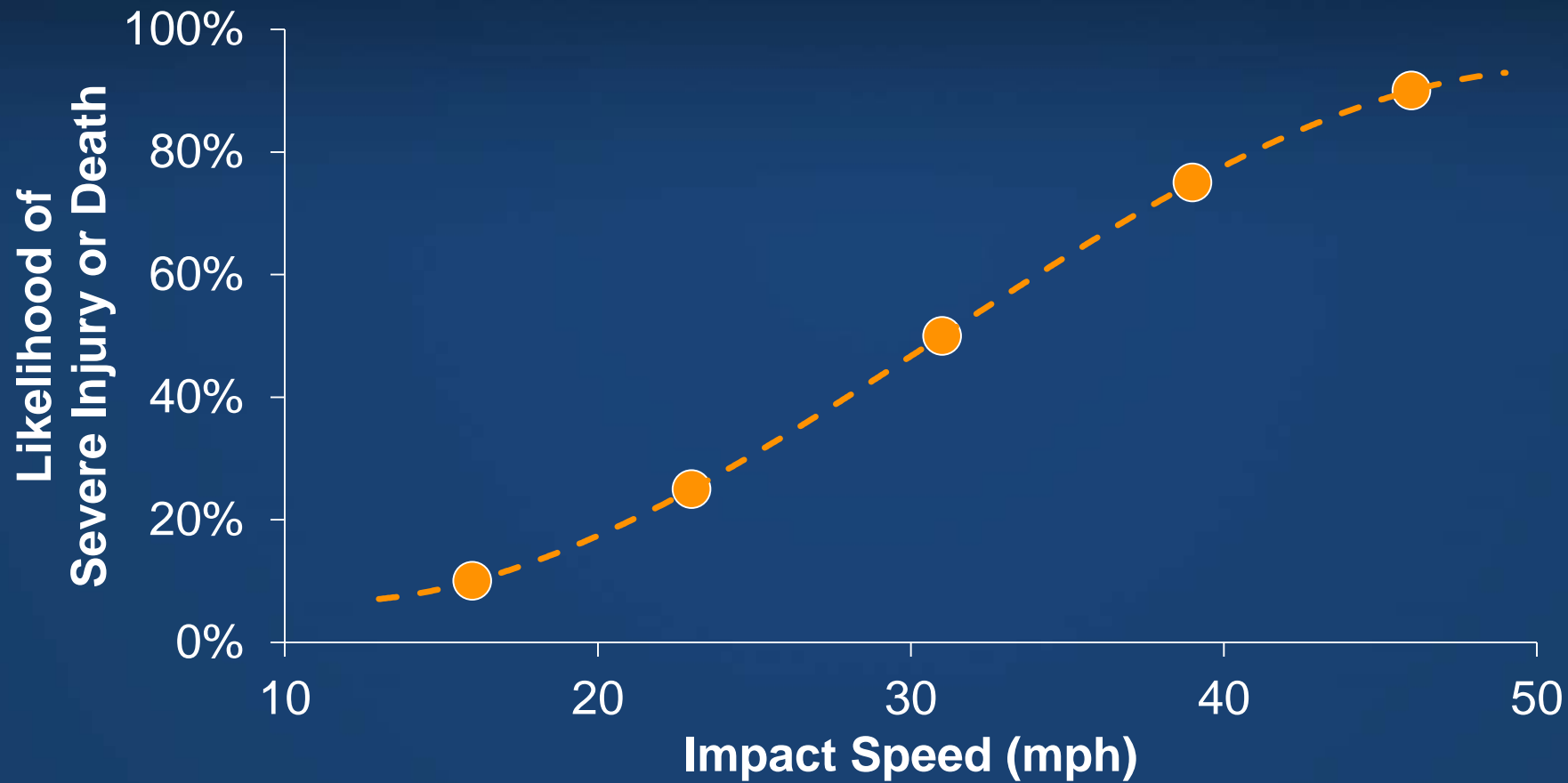


Speed and Passenger Vehicle Occupant Injuries



Source: 2014 NASS GES

Speed and Pedestrian Injuries



Source: Tefft 2011

Speed and Crash Involvement

- High speed
 - Reduces available time to receive and process information
 - Increases stopping distance
 - Increases chance of driving off road while negotiating a curve
- Complex relationship
 - Involves many interrelated factors
 - Leads to many misconceptions

Summary on Scope and Risk

- Speeding increases risk
 - Crash involvement
 - Crash severity
- Speeding contributes to many deaths and injuries
- Key component of “Toward Zero Deaths” goal