Speeding: Who, When, Where

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Overview and Data Sources

- Speeding-Related Fatal Crashes
  - Data: FARS 1983-2003
  - Analyses:
    - Number, Percent, Rates
    - Where, When, Who

- Self-Reported Attitudes and Behaviors
  - Data: NHTSA Survey 2002
Definition

- NHTSA considers a crash to be speeding-related if:
  - Driver charged with a speeding-related offense, or
  - Officer indicated that racing, driving too fast for conditions, or exceeding the posted speed was a contributing factor in the crash
Facts

- Speeding is one of the most prevalent contributing factors to traffic crashes
- 12% of all Reported Crashes (2003)
- 31% of all Fatal Crashes (2003)
- 13,380 lives lost in speeding-related crashes (2003)
- $40.4 Billion per Year


Source: FARS 1983 - 2003

FARS 1993-2003
Speeding-Related Fatalities by Roadway Type (2003)

Source: FARS 2003
Speeding Fatality Rate by Roadway Type (2003)

Fatality Rate (per 100M VMT)

Roadway Type: Interstate, Arterial, Collector, Local

Source: FARS 2003
Speeding Drivers in Fatal Crashes by Age and Gender (2003)

Source: FARS 2003
Percentage of Speeding Drivers by BAC Level (2003)

Source: FARS 2003
Percent BAC 0.08+ by Speeding and Age (2003)

Source: FARS 2003

Source: FARS 2003
Percent Restraint Use by Speeding and Age (2003)

Source: FARS 2003
Percentage of Speeding Drivers by Roadway Alignment (2003)

Source: FARS 2003
Speeding-Related Fatalities by Day of Week (2003)

Source: FARS 2003
Percentage of Speeding Drivers by Day of Week (2003)

Day of Week

Weekday: 28%
Weekend: 35%

Source: FARS 2003

Source: FARS 2003
Percent Speeding by Vehicle Type (2003)

Source: FARS 2003

Source: FARS 1983-2003

Source: FARS 2003
Speeding-Related Fatalities by Speed Limit (2003)

Source: FARS 2003
Public Attitudes and Behaviors Regarding Speeding

- NHTSA conducted a study of the driving public’s attitudes and behaviors regarding speeding
  - 1997
  - 2002
- Characteristics of drivers who speed and commit other unsafe driving actions
Purpose

- Obtain public views on unsafe driving actions
- Covered attitudes toward speeding, unsafe and aggressive driving
- Conditions associated with speeding and unsafe driving
- Support for various different types of countermeasures
Approach

- Nationally representative telephone survey
- 4,010 drivers 16 years old and older
- February 4 – April 14, 2002
Self-Reported Speeding Behavior by Roadway Type

QUESTION:
When was the last time you drove over the speed limit on a:
- Multi-lane interstate highway
- Two-lane road
- City, town or neighborhood street
- Non-interstate multi-lane road

RESPONSE:
- Today
- With past month
- Never
- Within past week
- Within past year
Self-Reported Speeding Behavior by Roadway Type

Source: National Survey 2002
QUESTION:
How often do you:
- Drive 10 mph over the posted limit on an multi-lane interstate highway?
- Drive 20 mph over the posted limit on an multi-lane interstate highway?
- Drive 10 mph faster than most other vehicles?
- Drive 20 mph faster than most other vehicles?

RESPONSE:
- Often
- Occasionally
- Never
- Sometimes
- Rarely
Frequency of Speeding Behaviors

Source: National Survey 2002
Frequency of Speeding Behaviors by Gender

- Drive 10 mph over posted limit on interstate
  - Male: 54%
  - Female: 48%

- Drive 20 mph over posted speed limit on interstate
  - Male: 14%
  - Female: 10%

- Drive 10 mph faster than most other vehicles
  - Male: 36%
  - Female: 32%

- Drive 20 mph faster than most other vehicles
  - Male: 13%
  - Female: 8%

Source: National Survey 2002
Frequency of Speeding Behaviors by Age

Drive 10 mph faster than most other vehicles

- 16-20: 36%
- 21-29: 34%
- 30-45: 30%
- 46-64: 19%
- 65+: 16%

Drive 20 mph faster than most other vehicles

- 16-20: 47%
- 21-29: 30%
- 30-45: 16%
- 46-64: 12%
- 65+: 10%

Source: National Survey 2002
Frequency of Speeding Behaviors by Age

Drive 20 mph over posted speed limit on interstate

- 16-20: 29%
- 21-29: 16%
- 30-45: 12%
- 46-64: 10%
- 65+: 4%

Drive 10 mph over posted speed limit on interstate

- 16-20: 62%
- 21-29: 64%
- 30-45: 55%
- 46-64: 46%
- 65+: 32%

Source: National Survey 2002
Threat of Others Speeding by Gender

QUESTION: In your opinion, how much of a threat is it to the personal safety of you and your family if other drivers are speeding?

RESPONSES:
- Major threat  
- Minor threat  
- No threat
Threat of Others Speeding by Gender

Source: National Survey 2002
Threat of Others Speeding by Age

Source: National Survey 2002
Summary

Speeding-Related Fatal Crashes:

- Roadway Type:
  - Arterial, Collector, Local
- Roadway Alignment:
  - Curves
- Age:
  - Young
Summary

- **Gender:**
  - Male

- **Alcohol:**
  - Increases with BAC
  - Young males
  - Late night

- **Restraint Use:**
  - Low
Summary

- **Day of Week:**
  - Weekends
- **Time of Day:**
  - Late night
- **Vehicle Type:**
  - Motorcycles
  - Passenger cars
Summary

- **Speed Limit:**
  - 50 mph and below

- **Roadway Conditions:**
  - Icy, snow/slush, wet
Questions?