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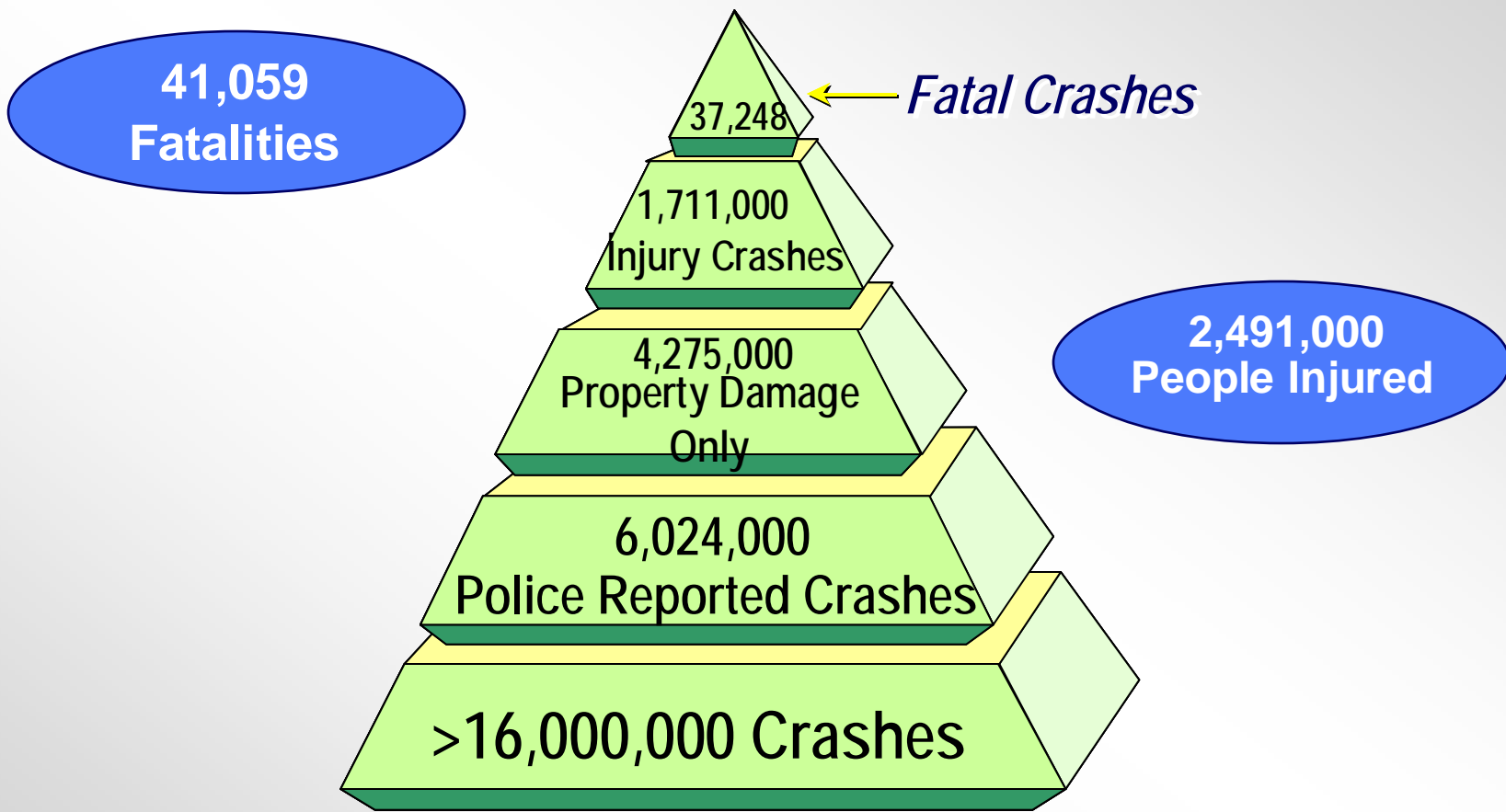
# *Increasing Automotive Safety*

## ***Motor Vehicle Safety Trends Workshop***

***February 04, 2009***

***Marilena Amoni  
Associate Administrator, NCSA***

***In 2007***



***\$230 Billion Societal Cost in 2000***

***In 2007***

<b><i>Declines seen in</i></b>	<b><i>Increases seen in</i></b>
<b><i>Overall fatalities</i></b>	<b><i>Motorcyclists fatalities</i></b>
<b><i>People injured</i></b>	<b><i>Property-damage-only crashes</i></b>
<b><i>Passenger vehicle occupant fatalities</i></b>	<b><i>Nonoccupants injured</i></b>
<b><i>Nonoccupant fatalities</i></b>	<b><i>Children injured (0-7)</i></b>
<b><i>Alcohol-impaired driving fatalities</i></b>	
<b><i>Fatalities among children of all ages (0-15)</i></b>	
<b><i>Young driver (16-20) fatalities</i></b>	
<b><i>People killed in large truck crashes</i></b>	

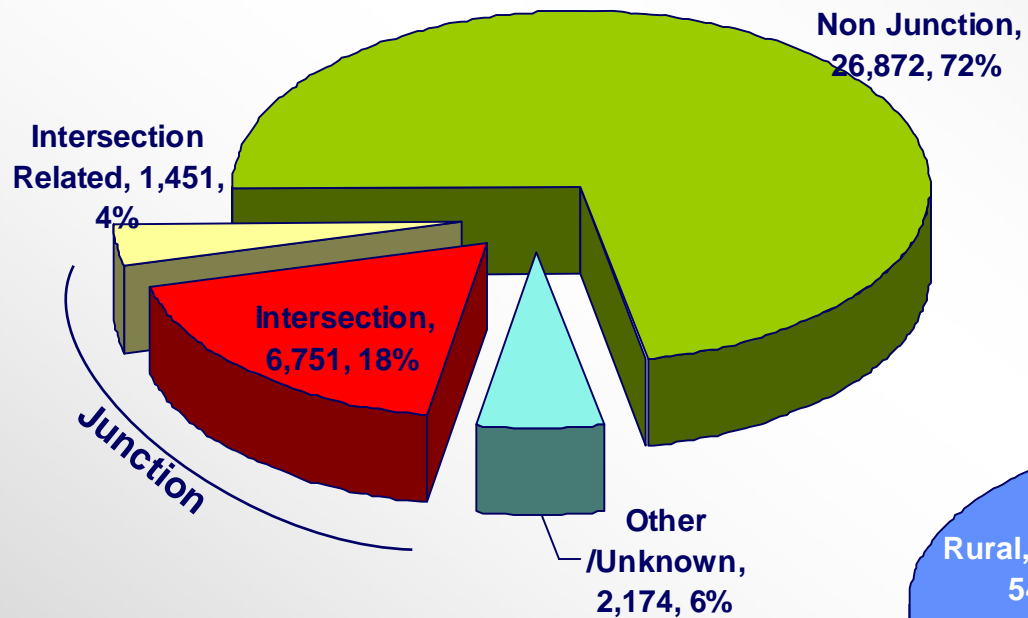
***Vehicle Miles Traveled increased from the previous year by 0.5%***

***Registered Vehicles and Total U.S. Population Increased***

***The fatality rate per 100 million VMT was 1.36 and the injury rate per 100 million VMT at 82***

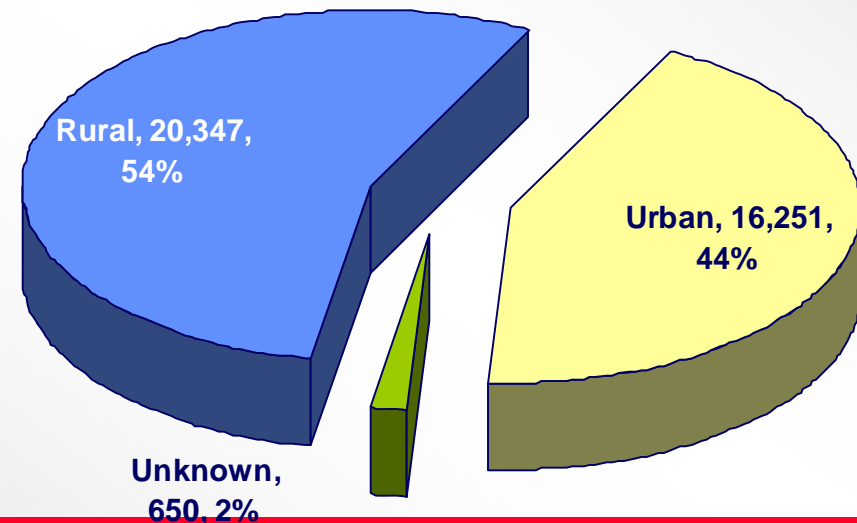
# Fatal Crashes in 2007

## Junction/ Non Junction



## Total Fatal Crashes - 37,248

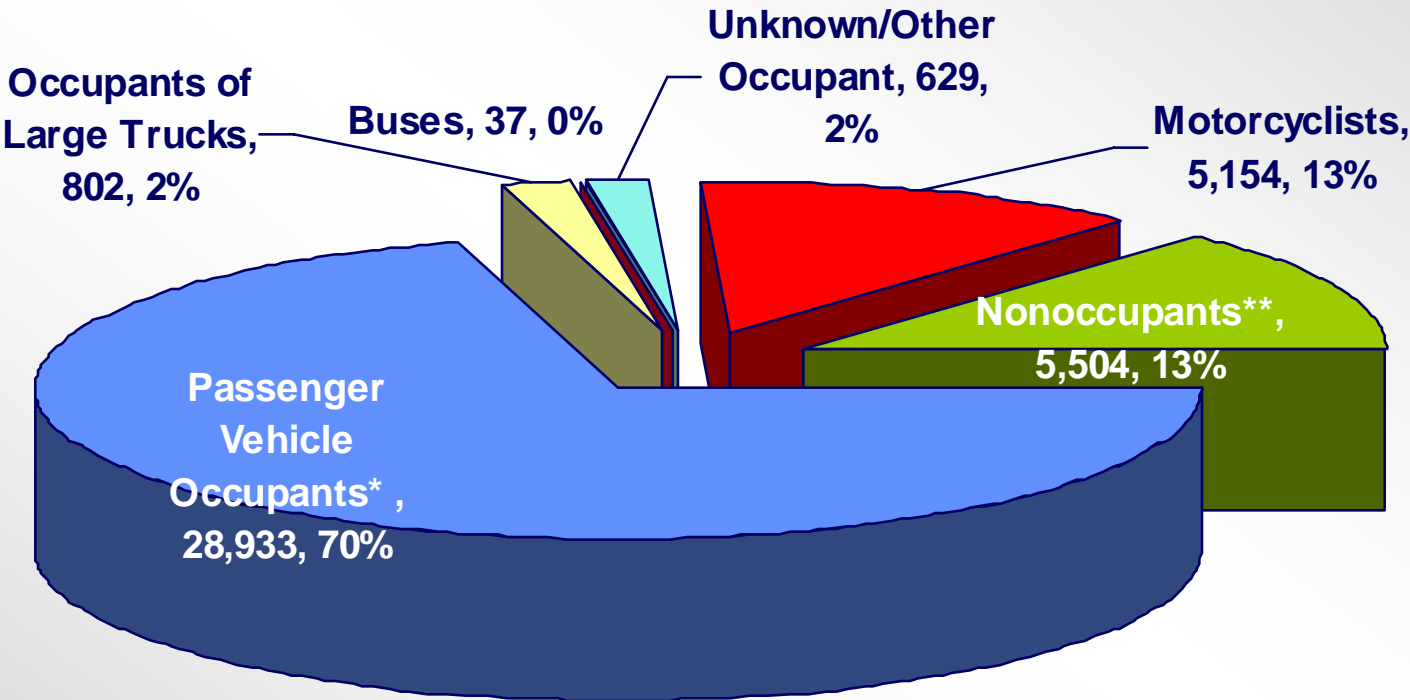
## Rural/ Urban



Source: FARS

# People Killed in Crashes

## Total Fatalities - 41,059



\* Occupants of passenger cars and light trucks (SUVs, Vans, & Pickups)

\*\* Nonoccupants include pedestrians, bicyclists, and unknown/other nonoccupants

Source: FARS

# ***People Killed in Crashes***

***In two-vehicle crashes involving a passenger car and a light truck***

- ***3,632 passenger car occupants killed***
- ***954 light truck occupants killed***

***10,194 passenger vehicle occupants were killed and 224,000 were injured in rollover crashes***

***12,998 people were killed in alcohol-impaired driving crashes\****

*\* Crashes involving a driver or motorcycle rider (operator) with a blood alcohol concentration (BAC) of .08 grams per deciliter (g/dL) or greater*

# People Killed in Crashes



***24,157 people were killed in roadway departure crashes***

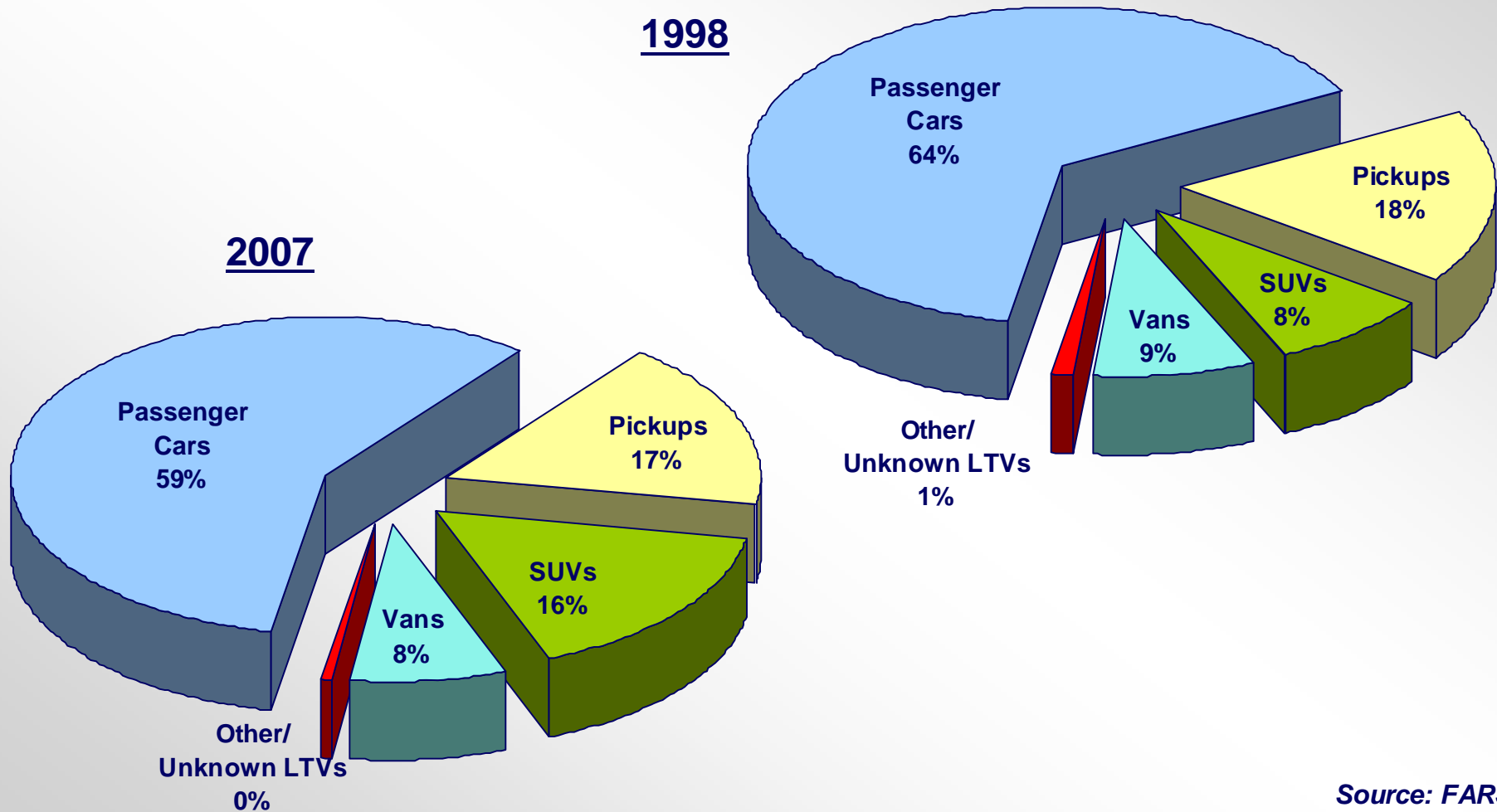
***8,657 people were killed in intersection or intersection-related crashes***



***4,808 people killed in crashes involving large trucks. Of these 802 were occupants of large trucks***



# Passenger Vehicle Registrations

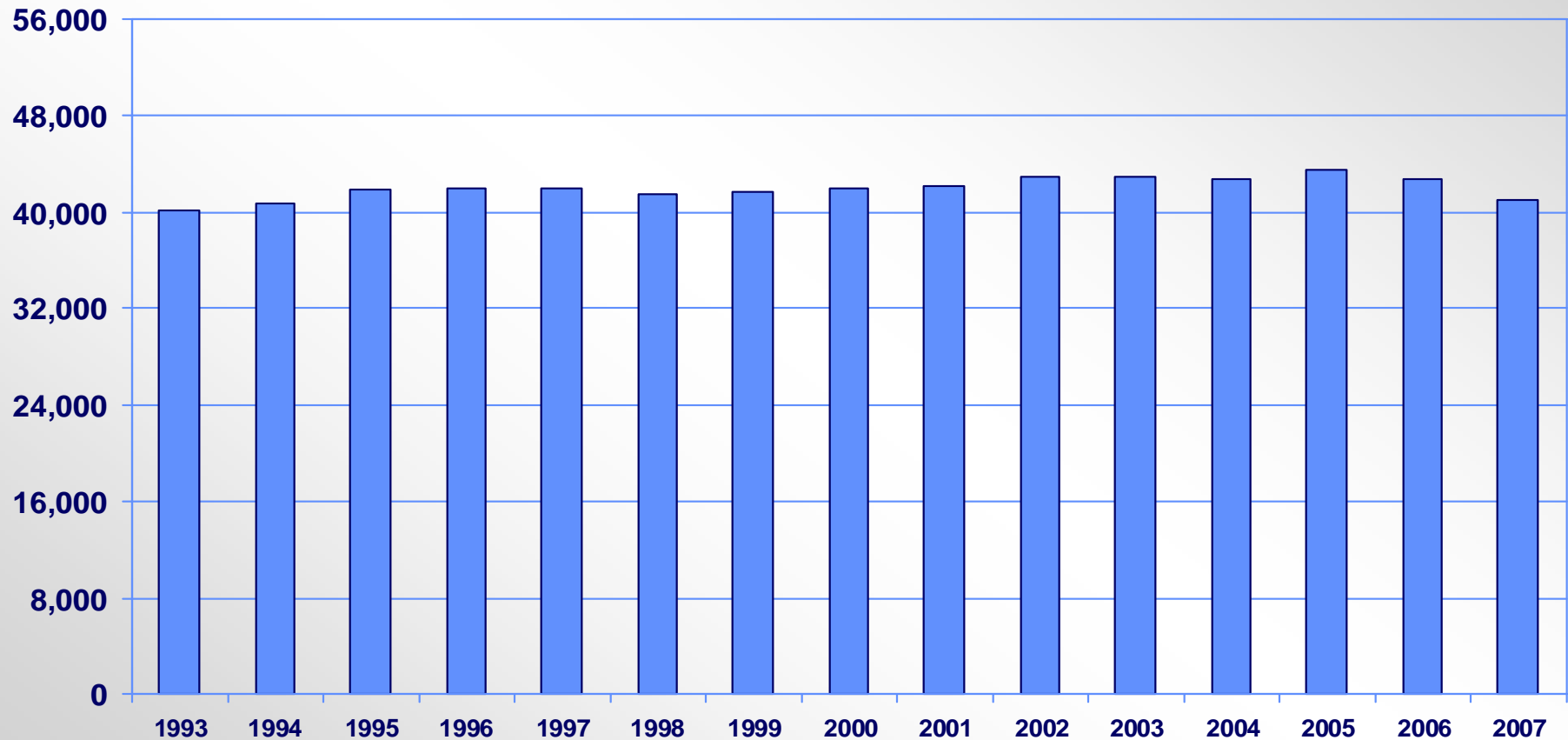


Source: FARS

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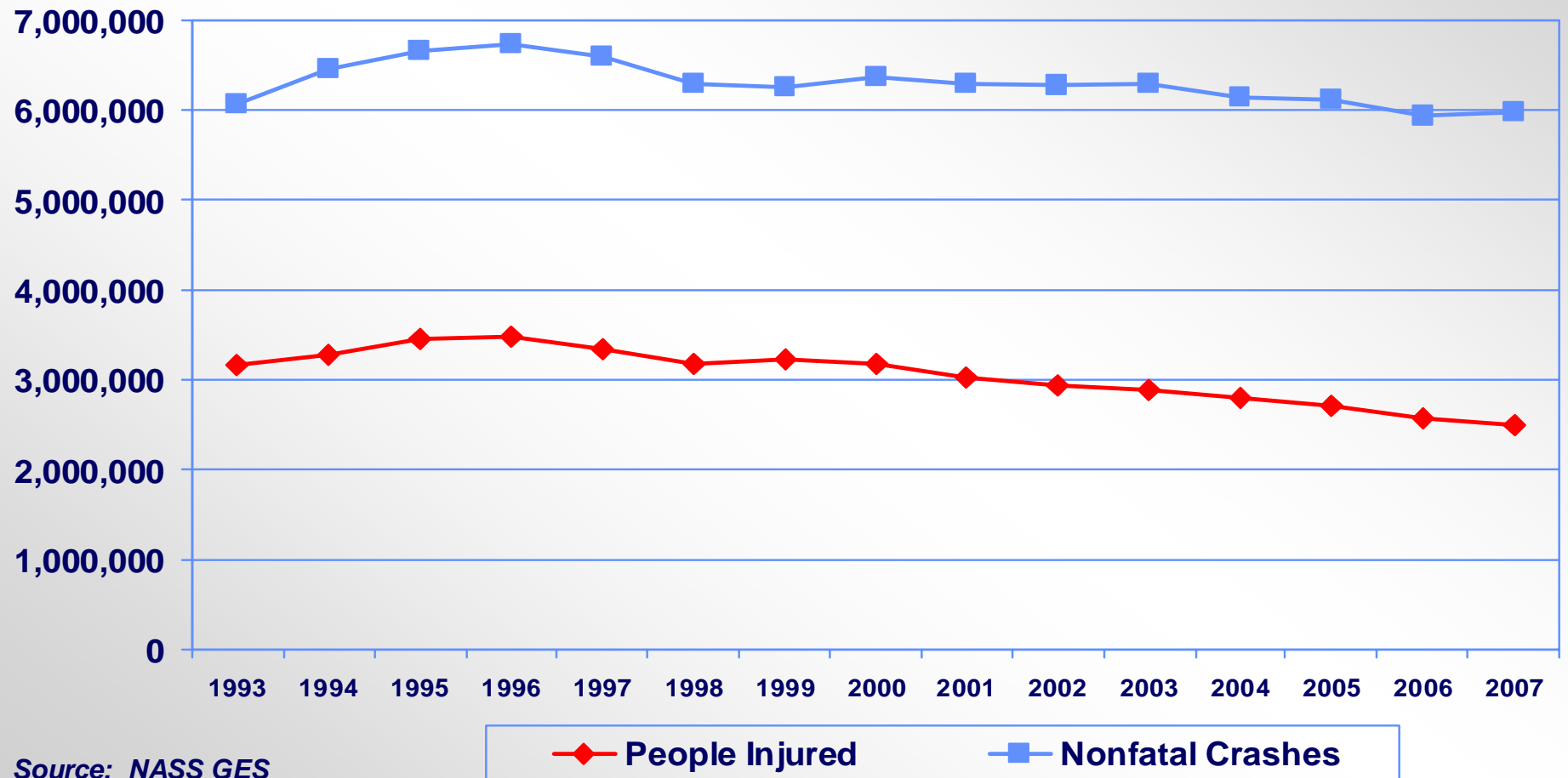
# *Long-Term Trends*

# People Killed in Motor Vehicle Crashes, by Year

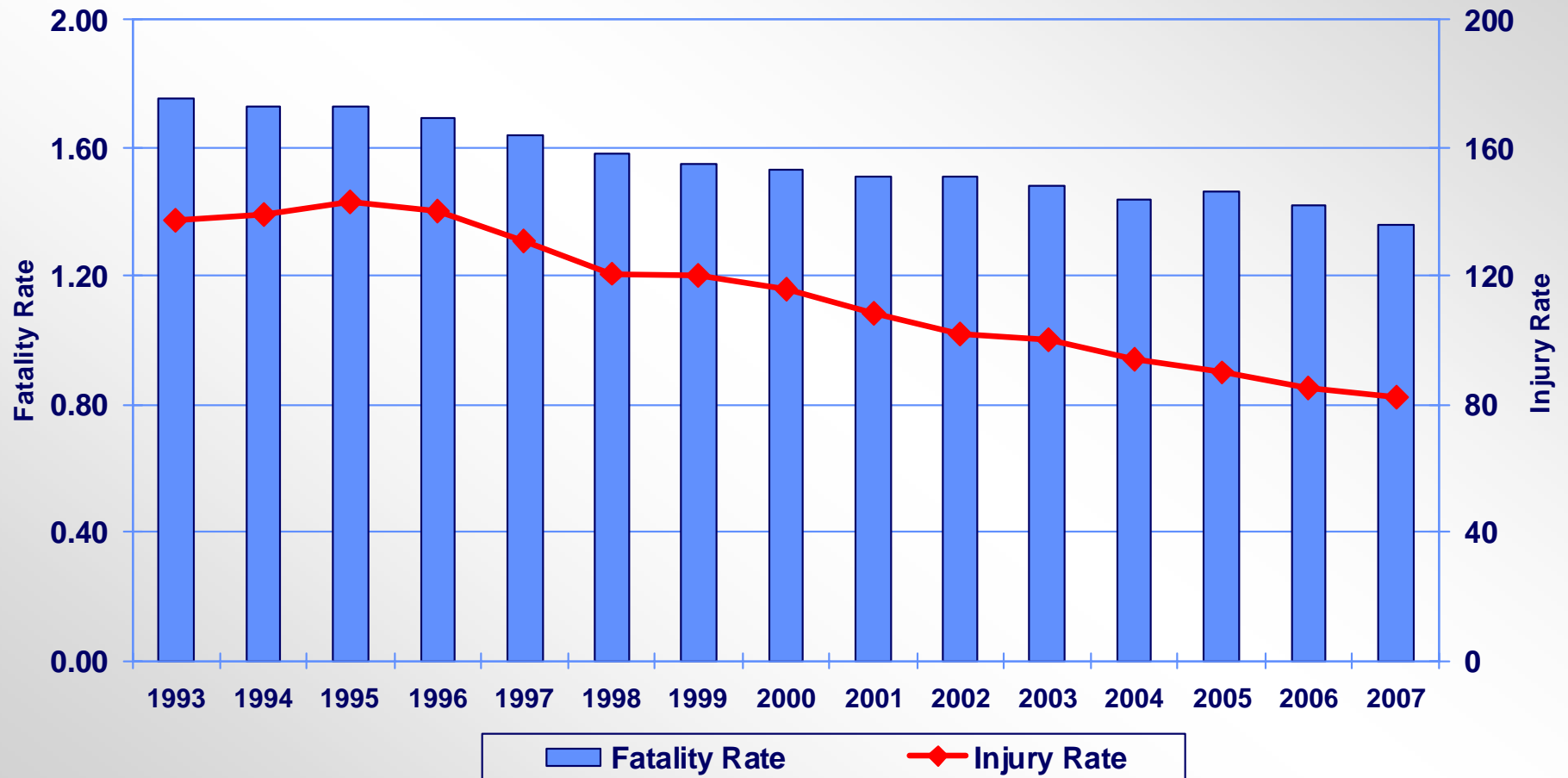


Source: FARS

# Non-Fatal Crashes and People Injured, by Year

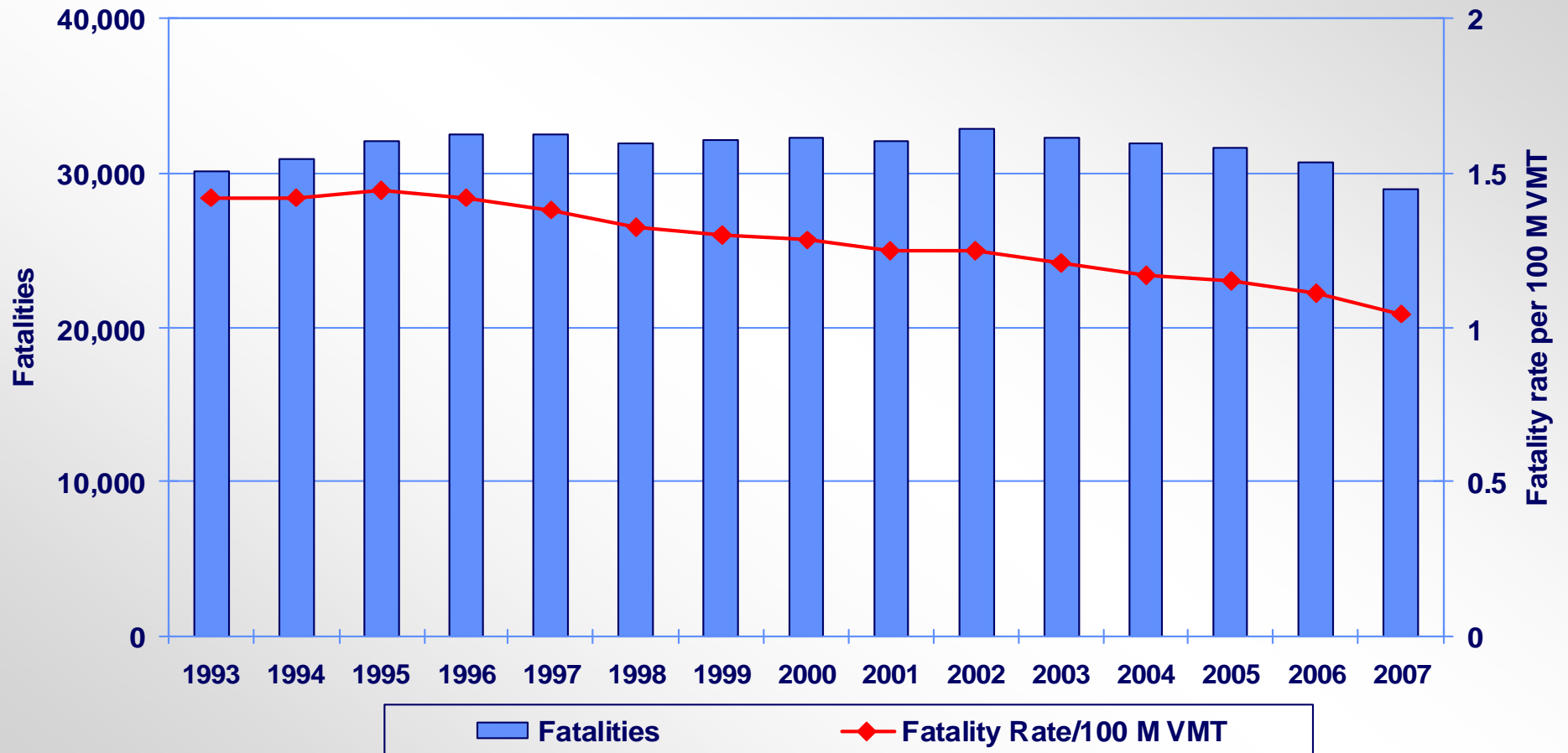


# Fatality and Injury Rates per 100 Million VMT, by Year



Source: FARS, NASS GES / FHWA

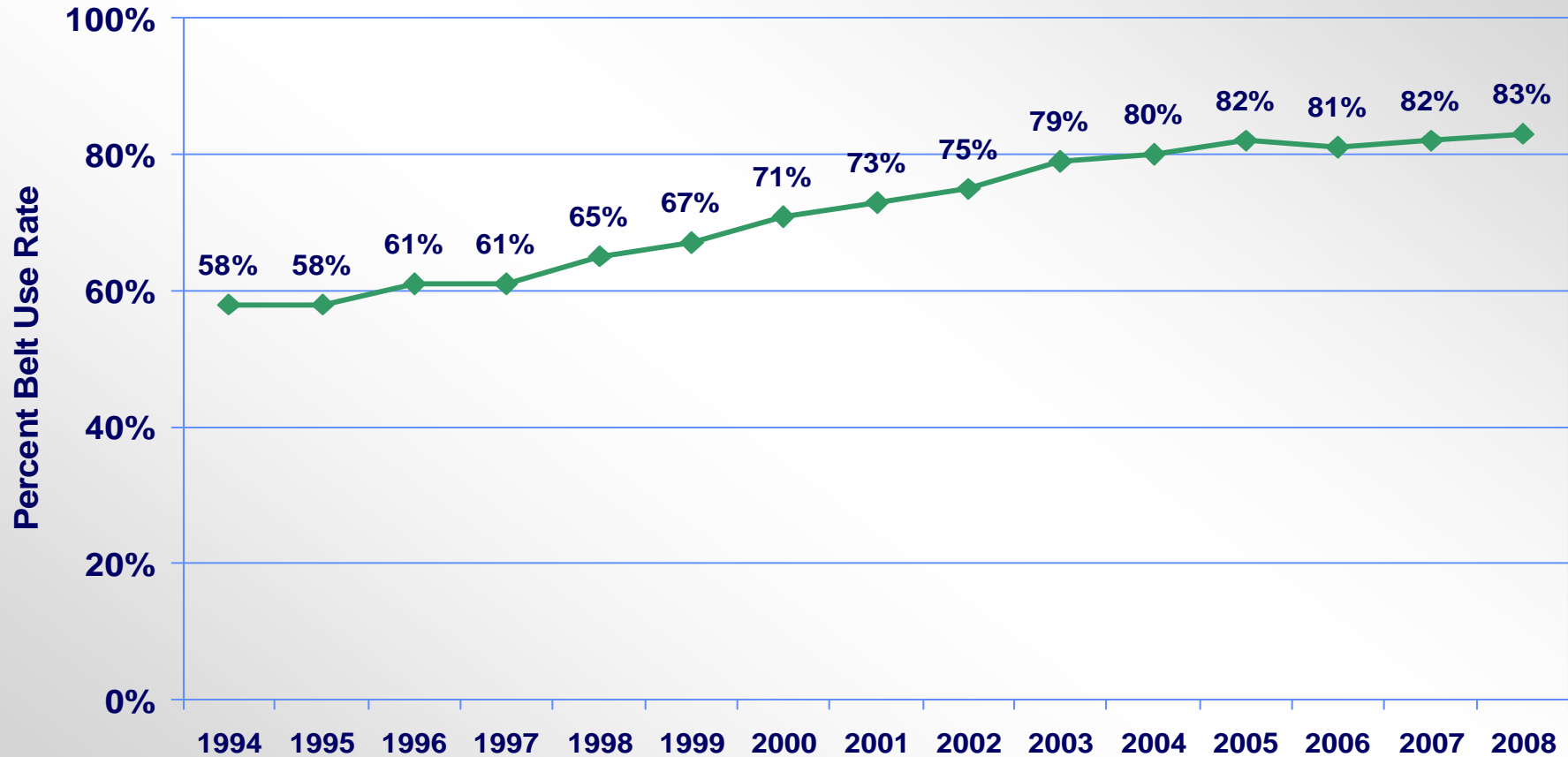
# Passenger Vehicle Occupant Fatalities and Fatality Rates\*, by Year



\*Rate per 100 Million VMT.

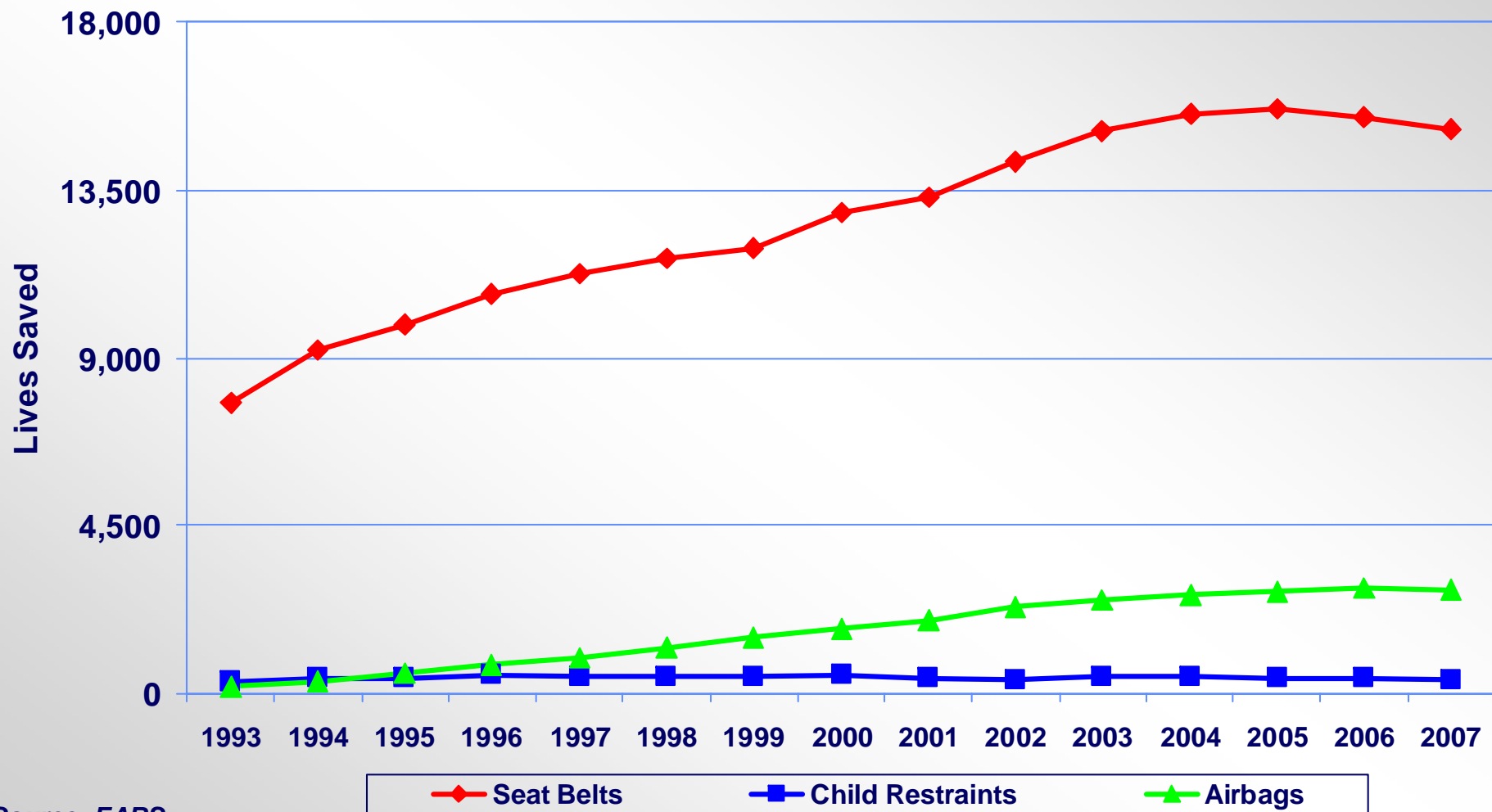
Source: FARS, FHWA

# Seat Belt Use Rates (NOPUS)



Source: NOPUS

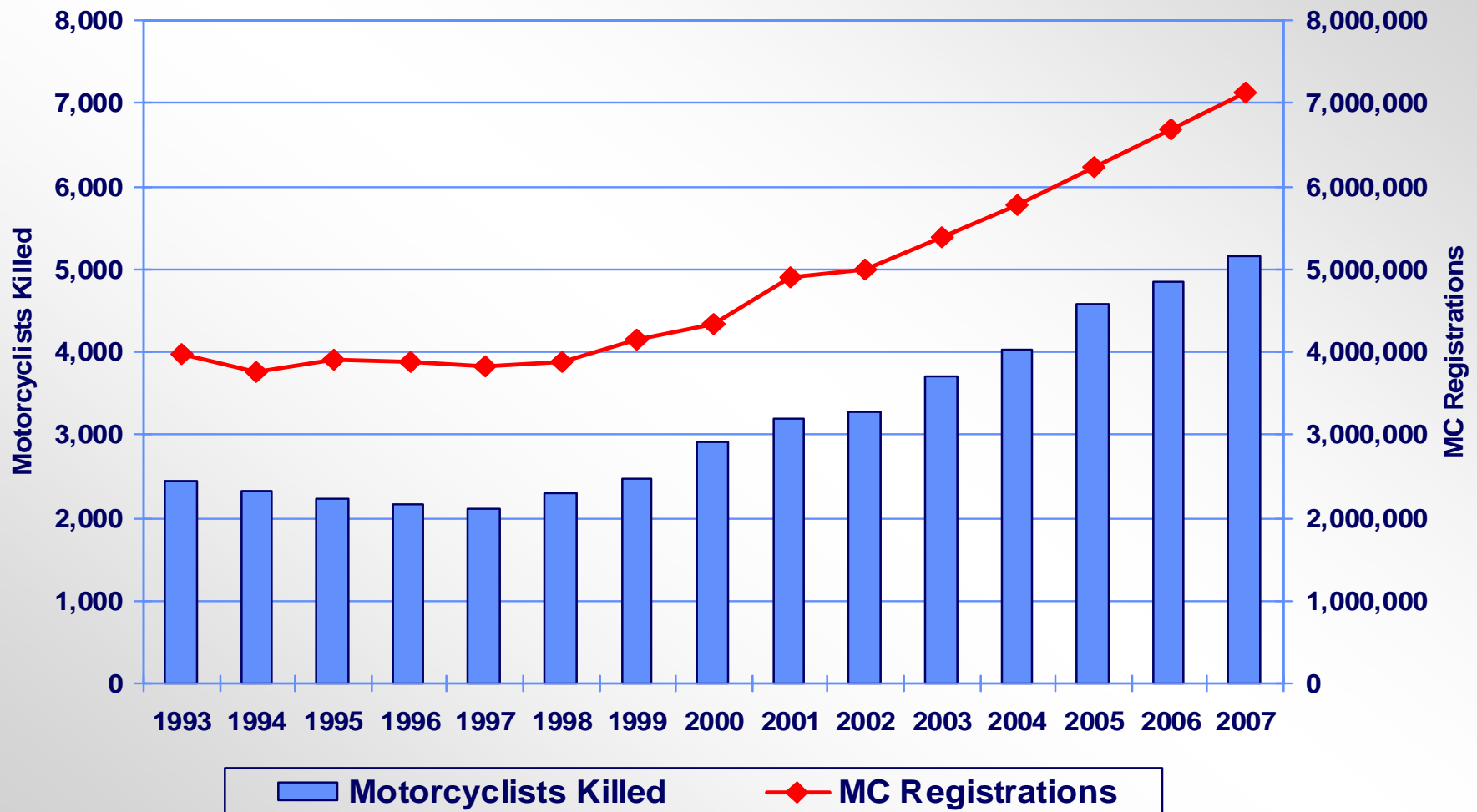
# Lives Saved by Seat Belts, Child Restraints, and Airbags



Source: FARS

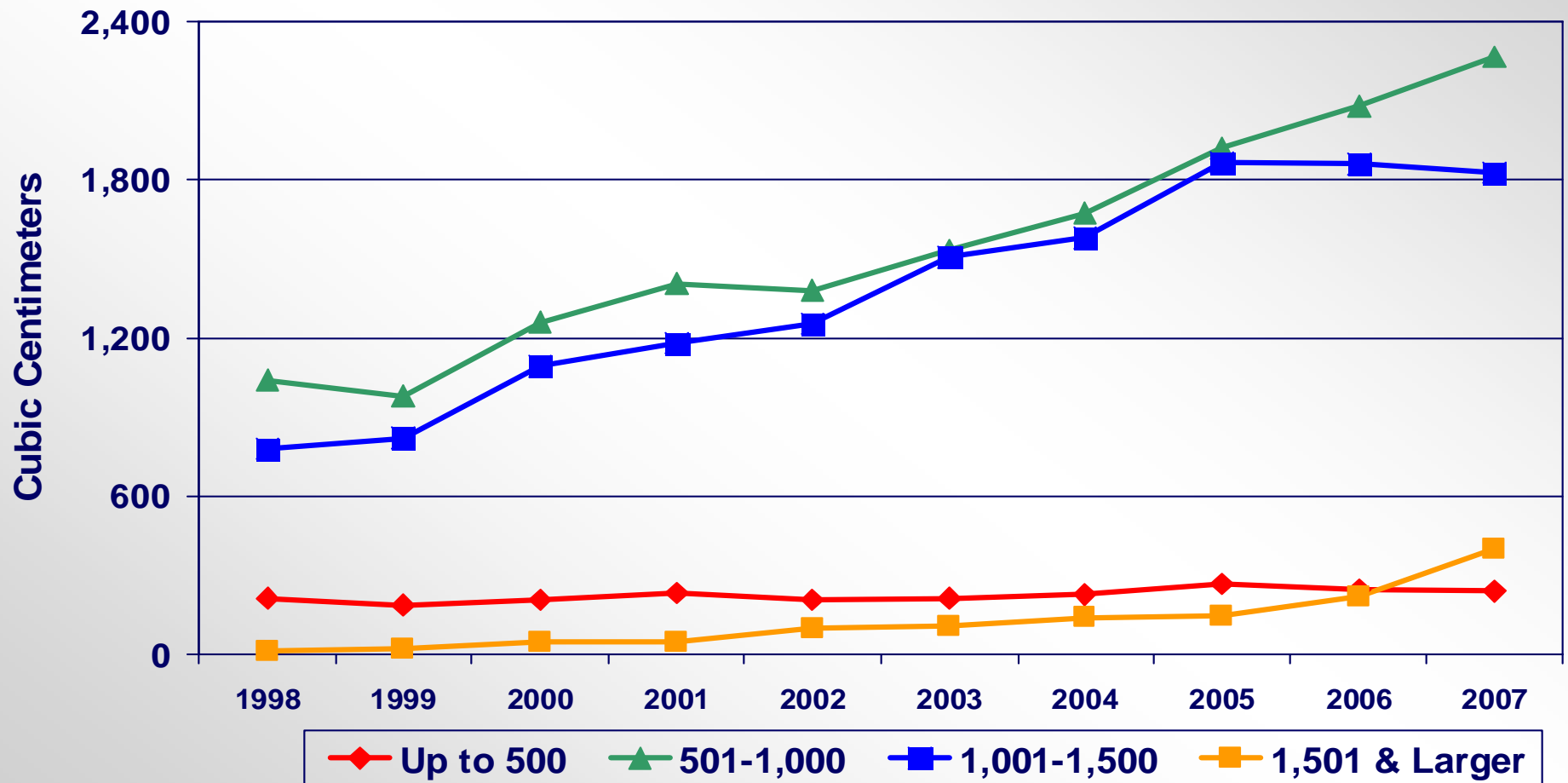


# Motorcyclists Killed and Motorcycle Registrations, by Year



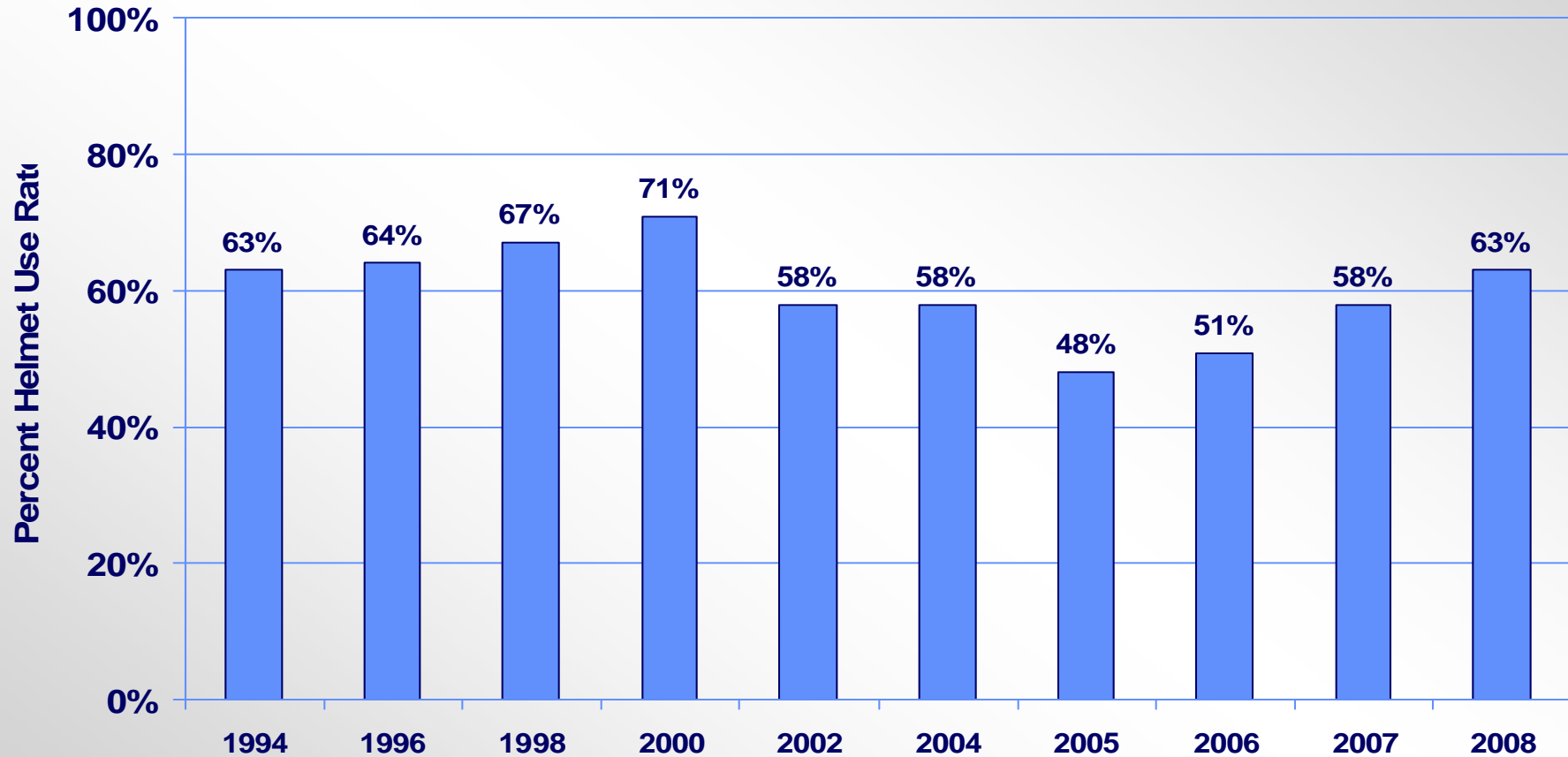
Source: FARS, FHWA

# Motorcyclists Killed by Engine Size and Year



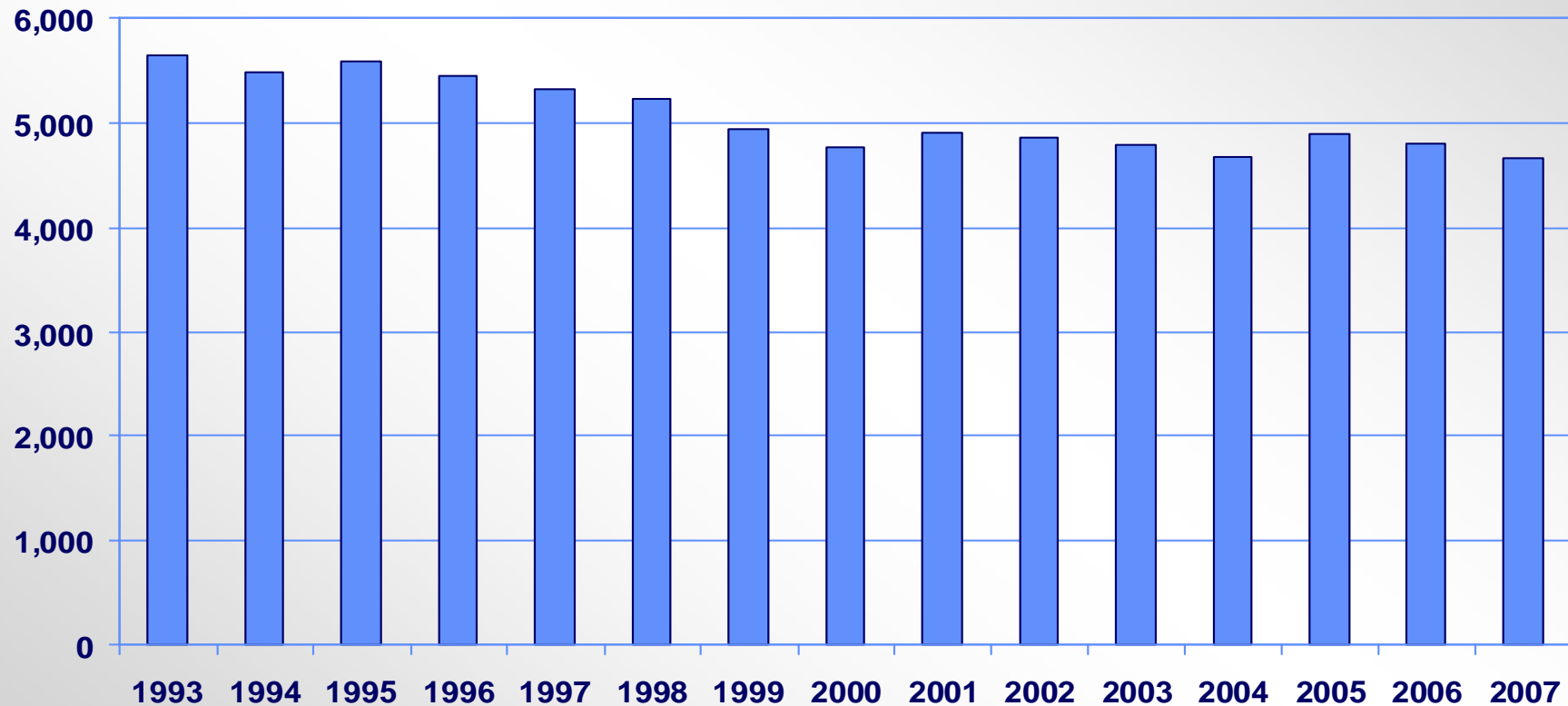
Source: FARS

# Motorcycle Helmet Use Rates (NOPUS)



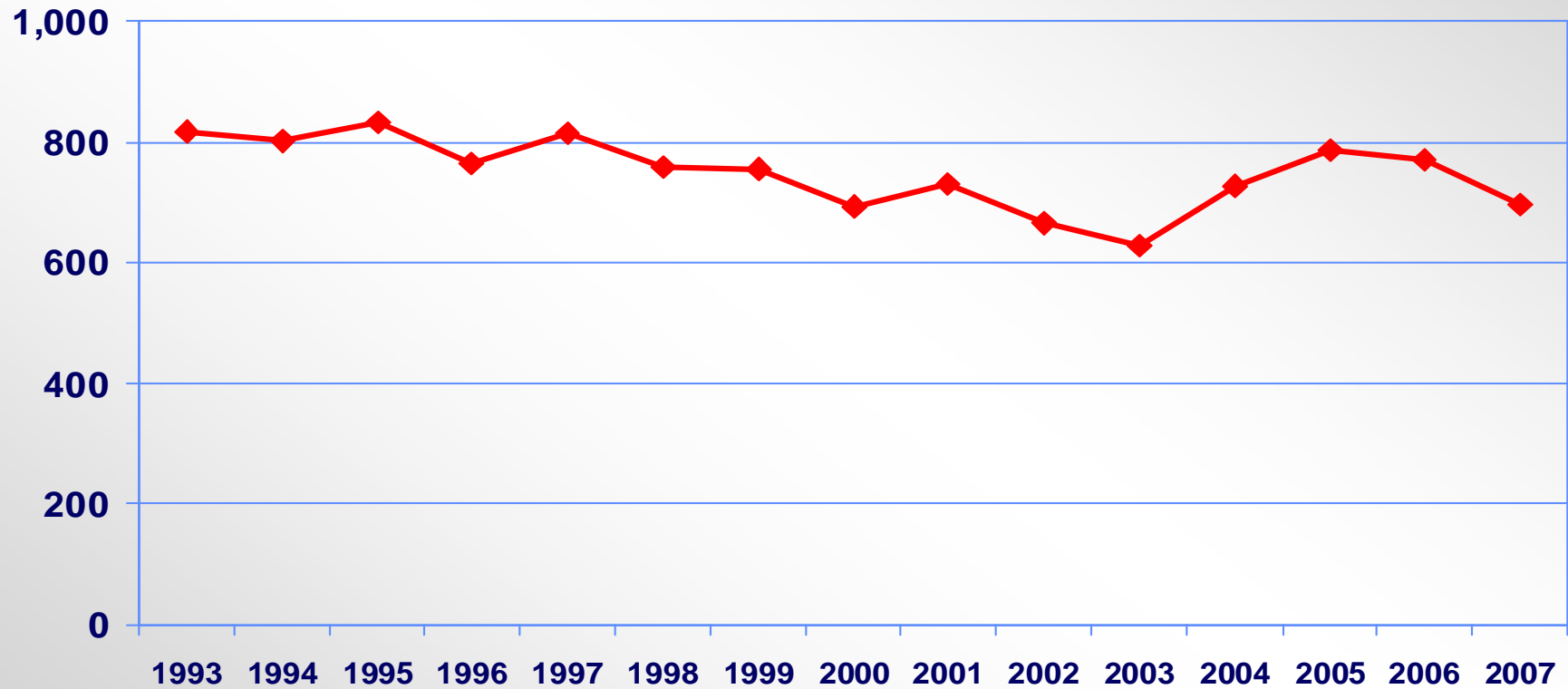
Source: NOPUS

# ***Pedestrians killed in Crashes, by Year***



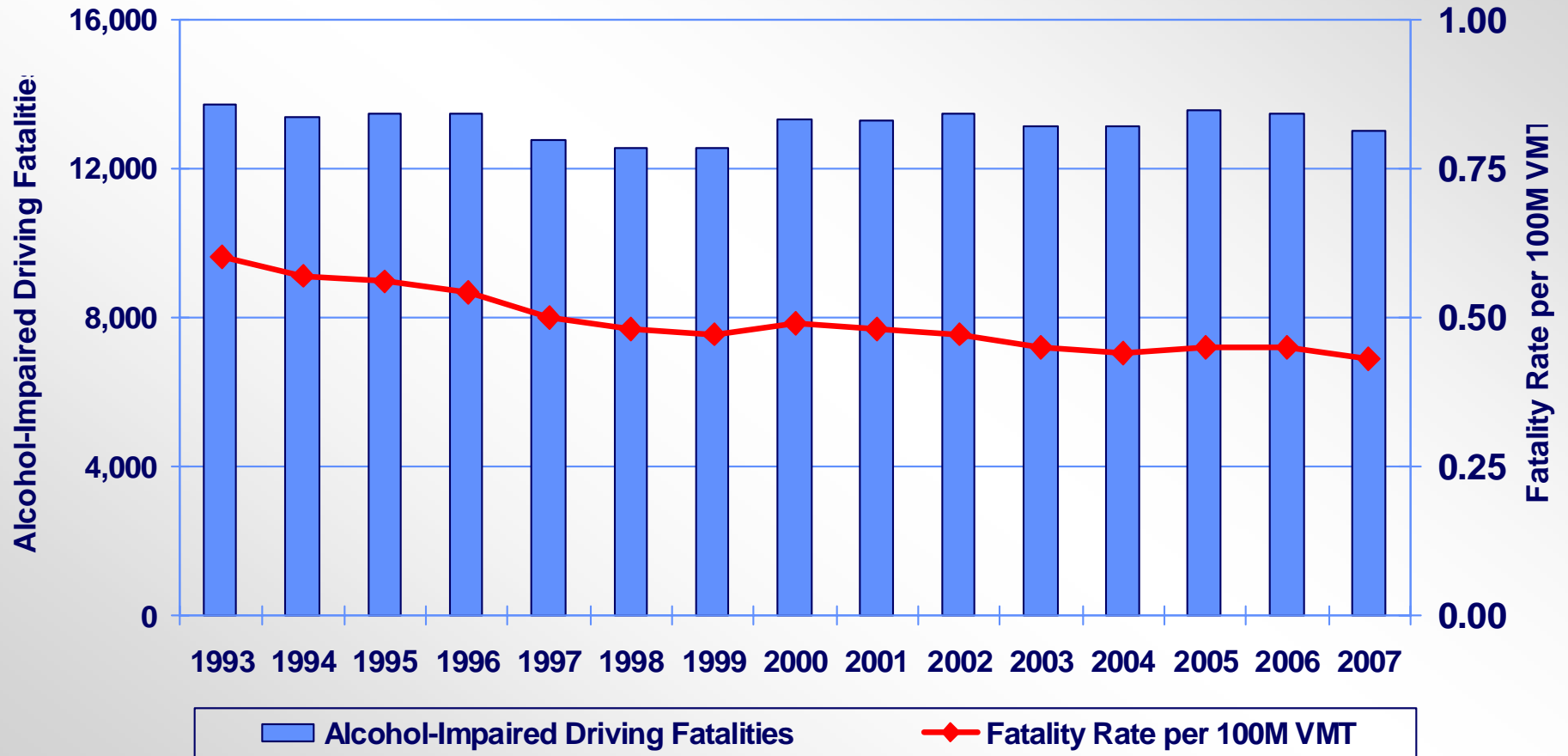
Source: FARS

# *Bicyclists killed in Crashes, by Year*



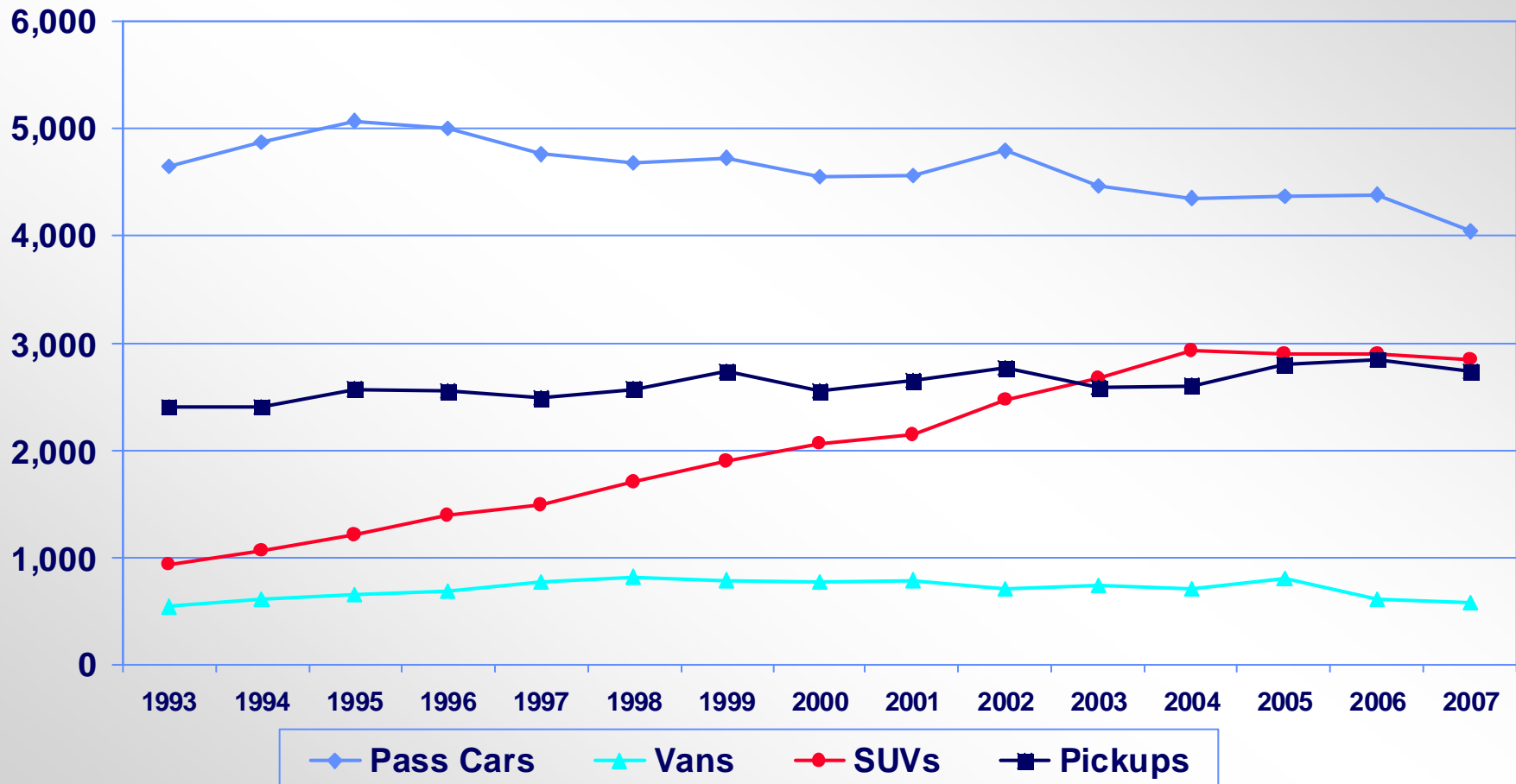
Source: FARS

# Alcohol-Impaired Driving Fatalities and Fatality Rate, by Year



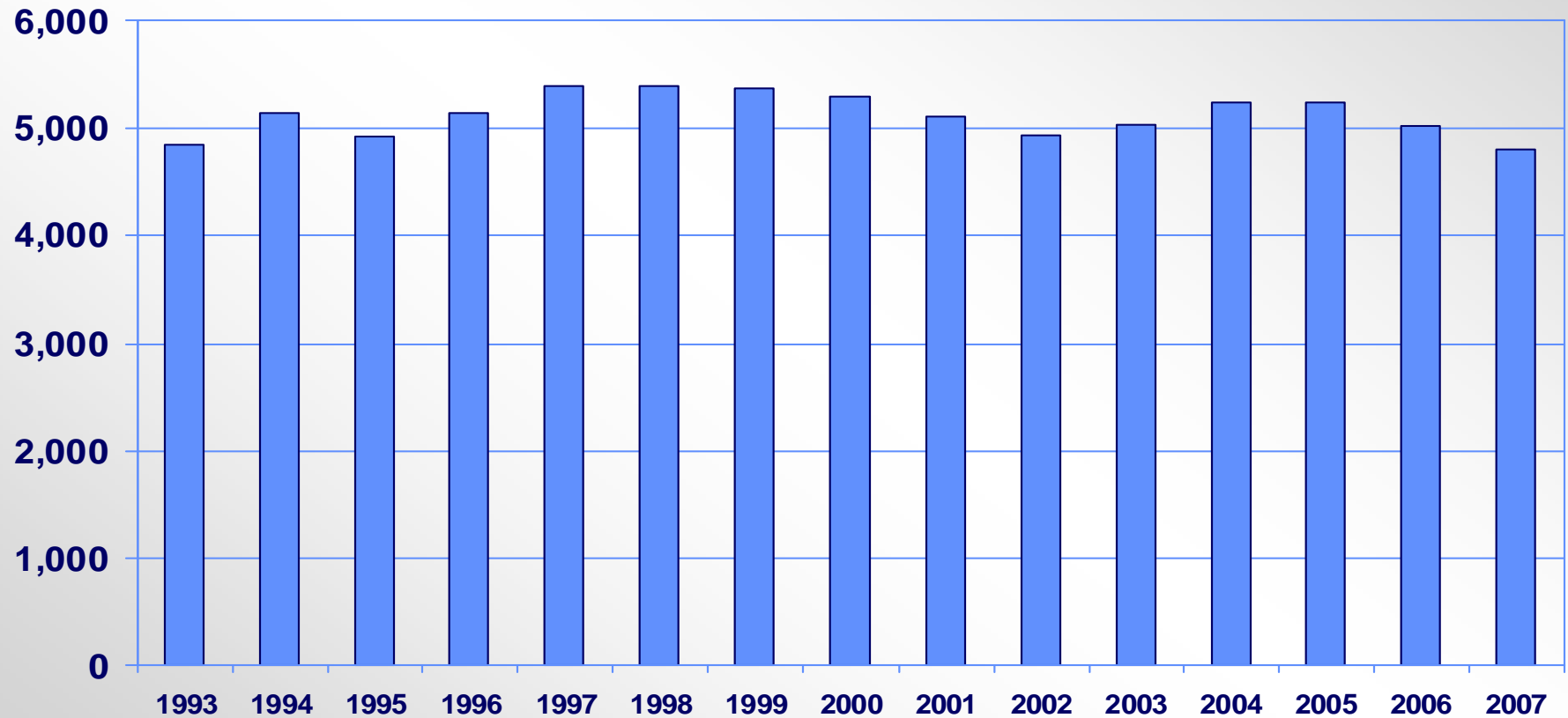
Source: FARS, FHWA

# Passenger Vehicle Occupants Killed In Rollover Crashes, by Type of Vehicle and Year



Source: FARS

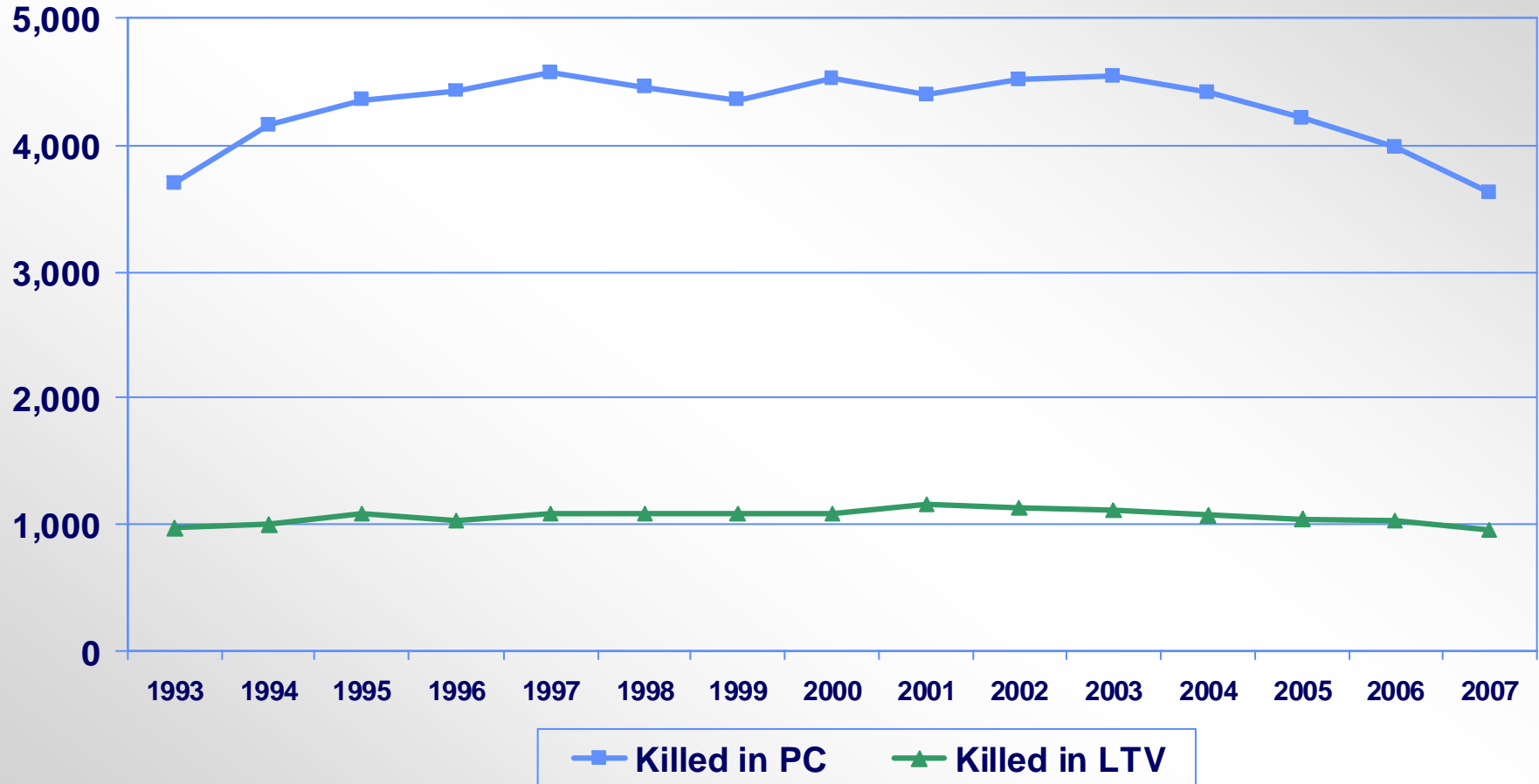
# People Killed in Large-Truck Crashes, by Year



Source: FARS



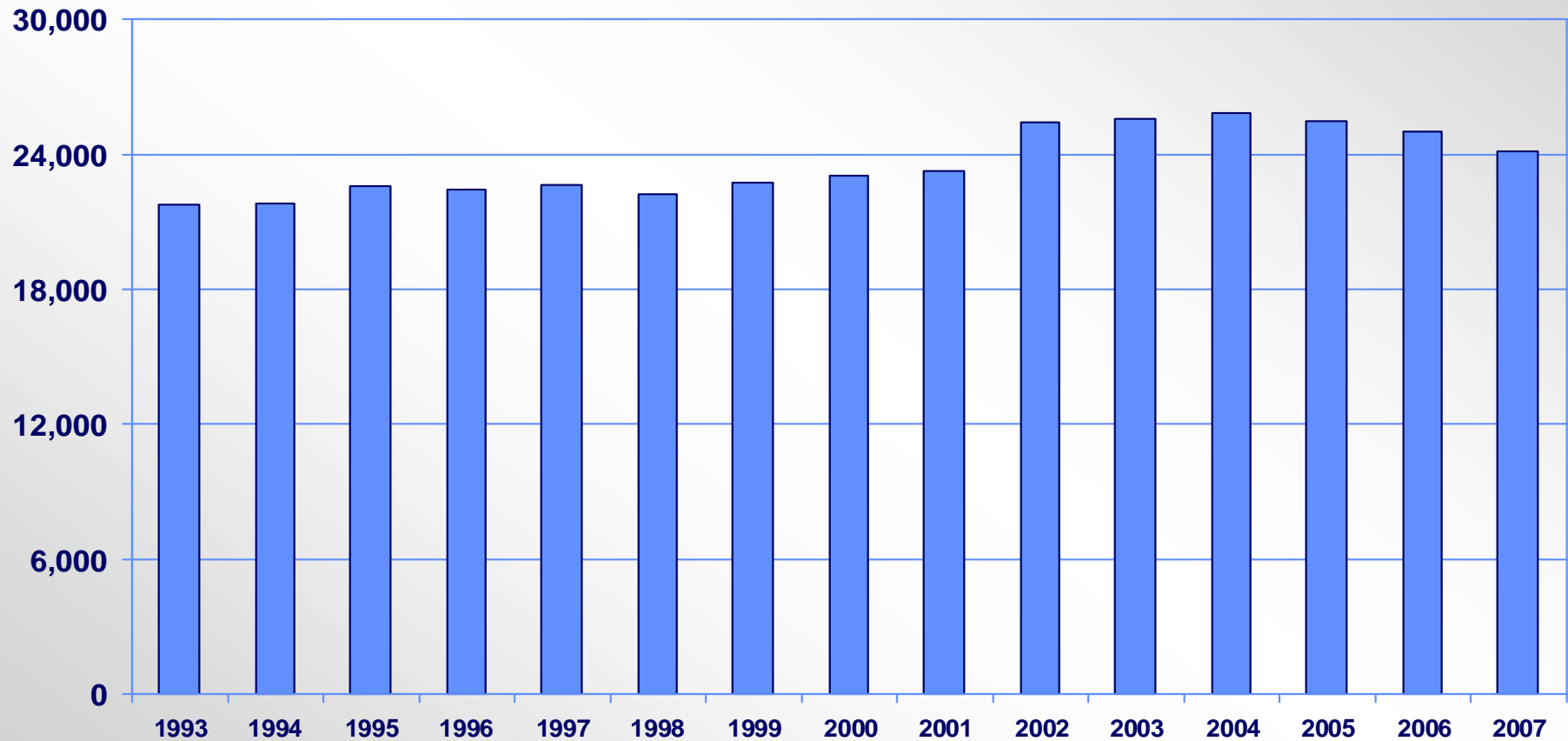
# Occupants Killed in Two-Vehicle Crashes Involving a Passenger Car and an LTV,\* by Year



\*LTV = Pickup Truck, Van, and Sport Utility Vehicle

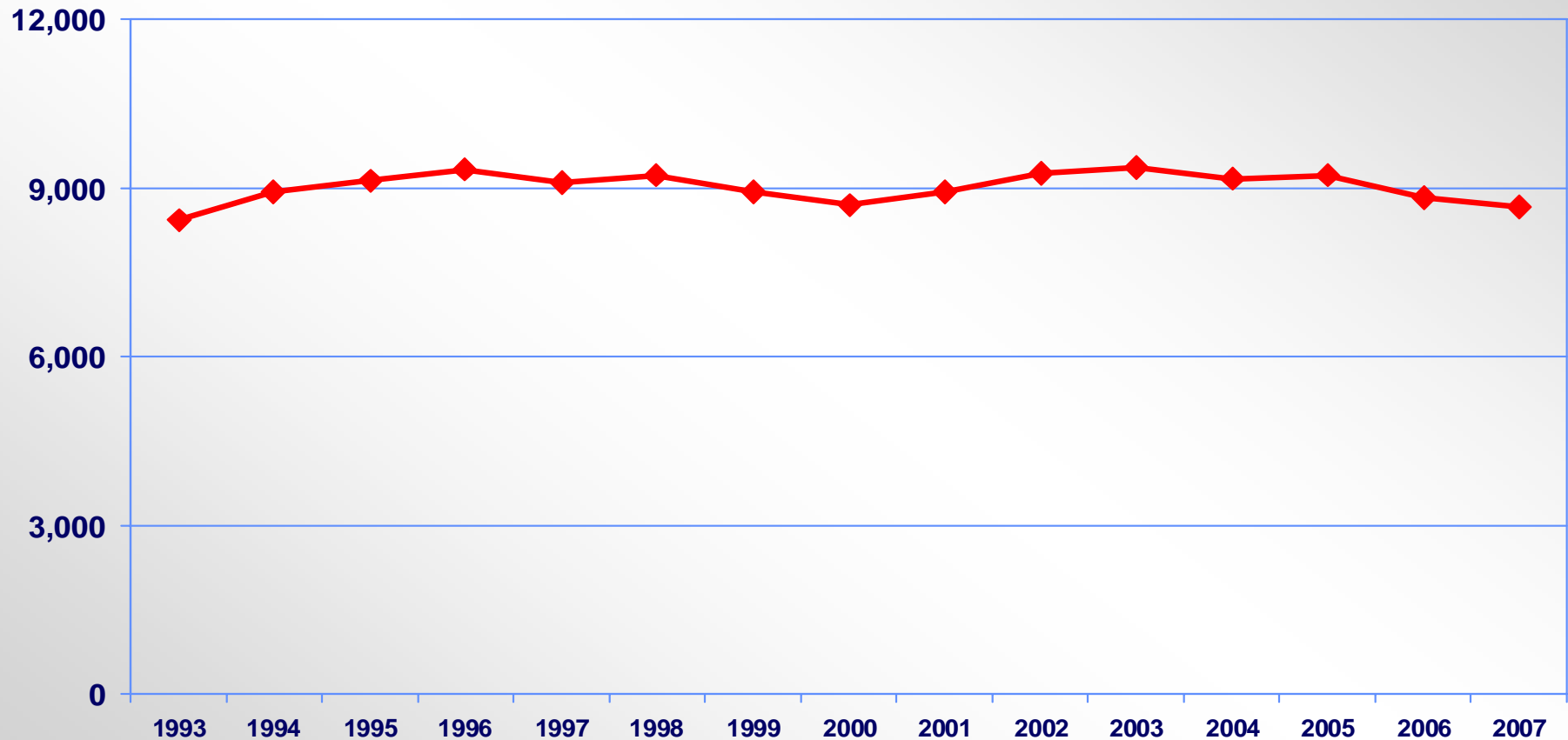
Source: FARS

# People Killed in Roadway Departure Crashes, by Year



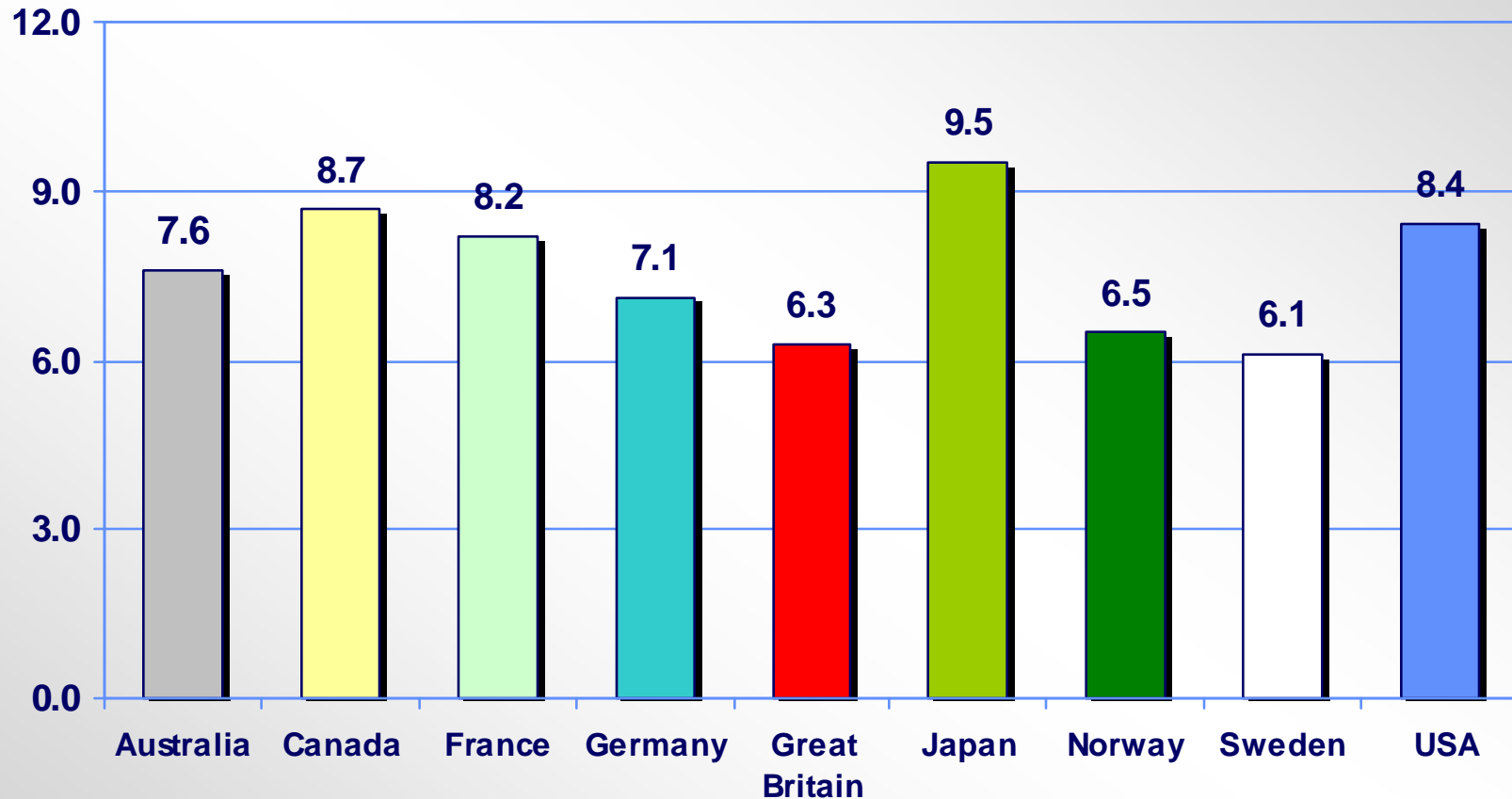
Source: FARS

## People Killed in Intersection and Intersection-Related crashes, by Year



Source: FARS

# Fatality Rate\* Comparison, US and Other Countries



\* Per 1 Billion Vehicle Kilometers

Source: IRTAD

Fatality rates for USA, France, Germany, and Sweden are from 2007. All others fatality rates from 2006.

## *In Summary*

- ***Overall number of traffic fatalities in 2007 reached its lowest level since 1994.***
- ***Almost four percent decline in people killed from 2006.***
- ***Reduction in fatalities is the largest in terms of both number and percentage since 1992.***
- ***Lowest fatality rate in history.***
- ***Decrease in fatalities for all person types except motorcyclists.***

## 2008 - Early Projections

- **People killed in traffic crashes expected to reach a new record low**
- **Almost 10 percent drop in fatalities in the first 10 months of last year**
  - **3.5% decline in VMT during this period**
- **Early estimates show that 31,110 people died on the nation's roads from January through October, compared to 34,502 in 2007 during that same 10-month time period**

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*For more information on the web*

**[www.nhtsa.dot.gov](http://www.nhtsa.dot.gov)**

**Contact Information**  
**202-366-1503**

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