

# ***2000 Annual Assessment***

## **Motor Vehicle Traffic Crash Fatality and Injury Estimates for 2000**

**Based on**

**The Fatality Analysis Reporting System  
(FARS)**

**and**

**The National Automotive Sampling System  
General Estimates System  
(NASS GES)**



# Data Sources



## ■ Crash Data

- Fatality Analysis Reporting System (FARS)
  - 1999 (and prior years) Final File
  - 2000 Annual Report File
- NASS General Estimates System (GES )
  - 2000 (and prior years) Annual File

## ■ Exposure Data

- Vehicle Miles of Travel (VMT)
  - Federal Highway Administration (FHWA)
  - March 2001 Traffic Volume Trends Report
- Population Projection (based on 1990 Census)
  - Census Bureau
- Registered Vehicles
  - NHTSA's Projection for 2000
  - Based on FHWA Registered Vehicles

# 2000 Data Show ...

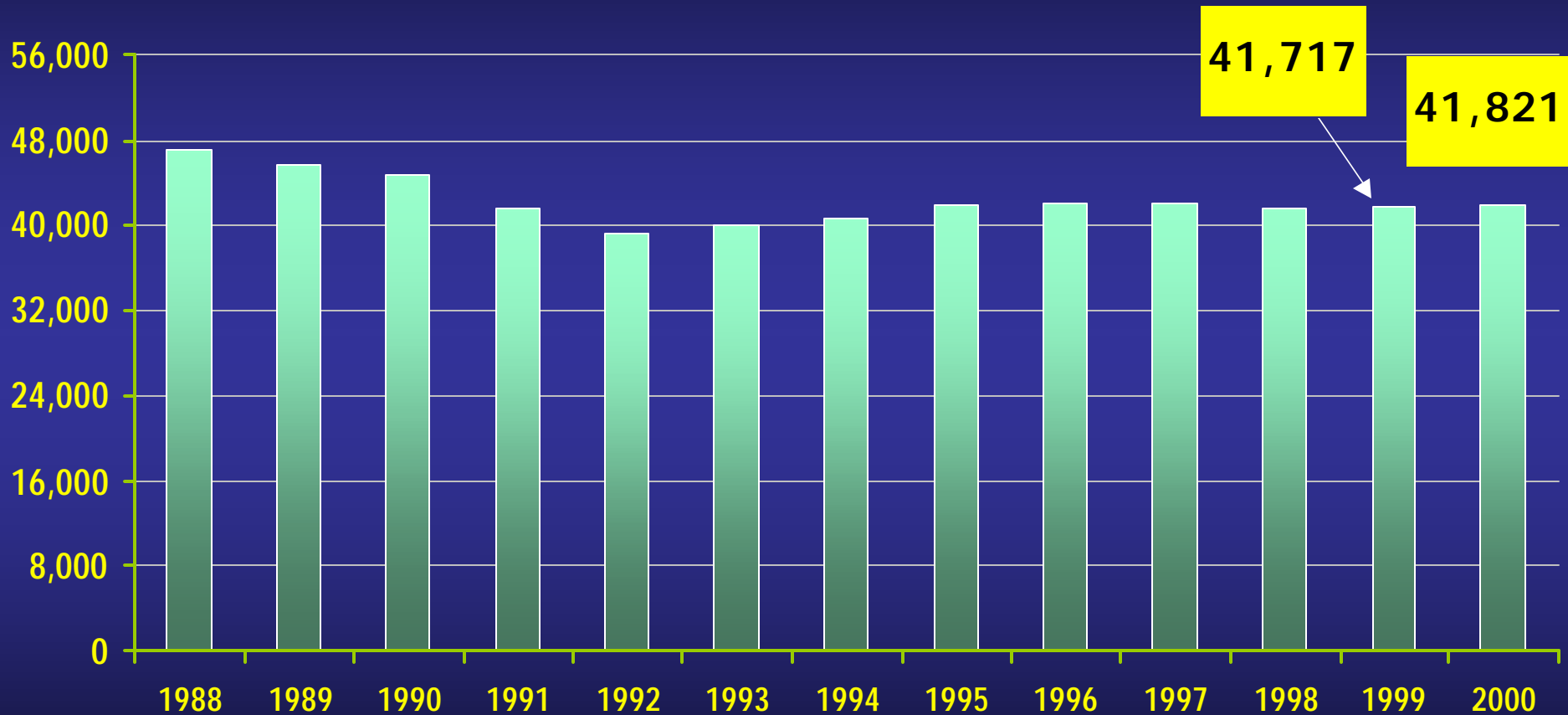


- **The Number of Persons Killed in Motor Vehicle Traffic Crashes increased slightly**

But...

the Number of Persons Injured declined.

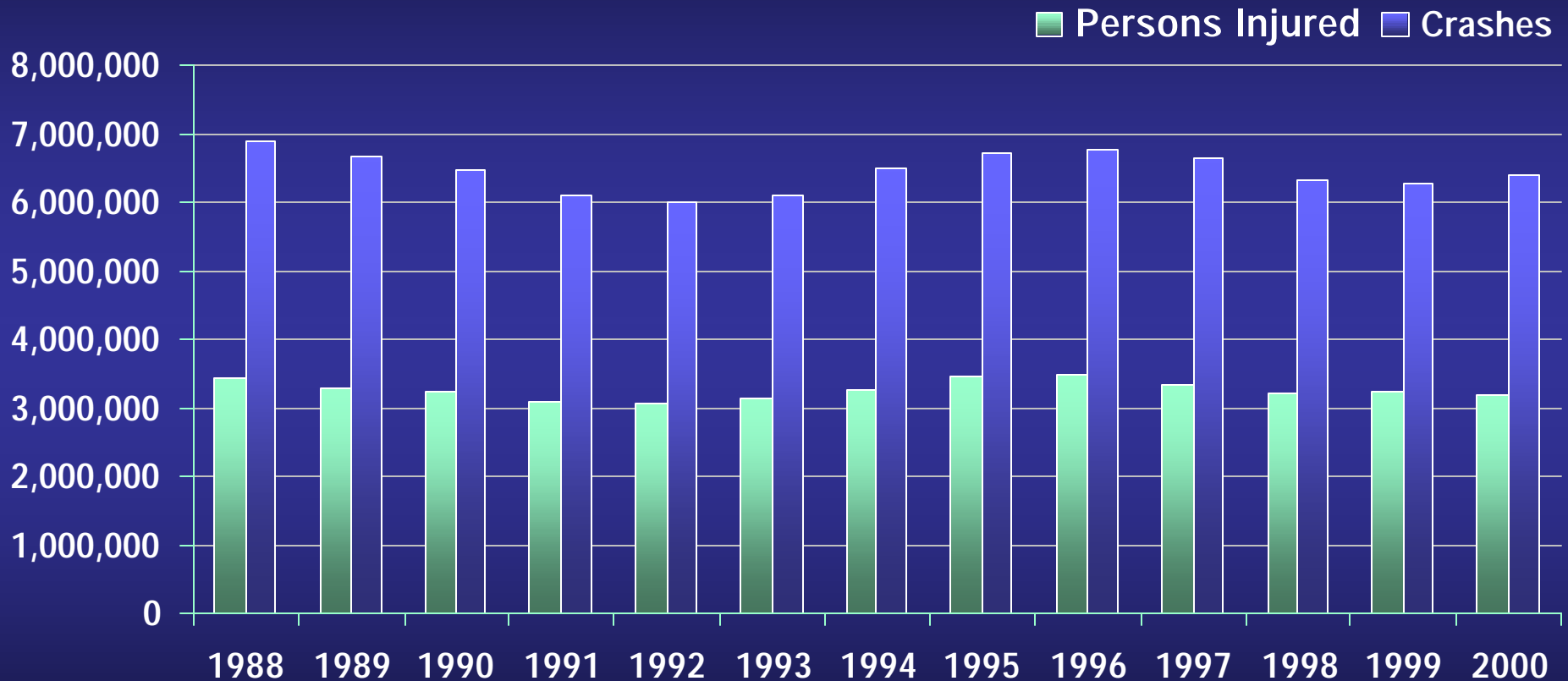
# Persons Killed, by Year



Source: FARS



# Total Police Reported Crashes and Persons Injured, by Year



Sources: NASS GES

Unless otherwise noted, year-to-year changes in Numbers of Injuries and Injury Rates are not statistically significant.



# Exposure Data



Exposure Measure	Year		% Change
	1999	2000	
<b>Vehicle Miles Traveled</b>	<b>2,691,056M</b>	<b>2,749,803M</b>	<b>+2.2%</b>
<b>Registered Vehicles</b>	<b>212,685,000</b>	<b>217,293,000*</b>	<b>+2.2%</b>
<b>Population</b>	<b>272,690,813</b>	<b>274,633,905</b>	<b>+0.7%</b>

Sources: R.L. Polk, FHWA, Census Bureau



# *2000 Data Show ...*



- **Motor Vehicle Crash Fatality and Injury Rates remained at Historic Lows or declined**

# Fatality and Injury Rates



Rate	Year		% Change
	1999	2000	
<b>Persons Killed</b>			
<b>/100M VMT</b>	<b>1.6</b>	<b>1.5</b>	<b>-1.8%</b>
<b>/100K Reg. Vehicles</b>	<b>19.6</b>	<b>19.2</b>	<b>-2.0%</b>
<b>/100K Population</b>	<b>15.3</b>	<b>15.2</b>	<b>-0.7%</b>
<b>Persons Injured</b>			
<b>/100M VMT</b>	<b>120</b>	<b>118</b>	<b>-1.7%</b>
<b>/100K Reg. Vehicles</b>	<b>1,522</b>	<b>1,467</b>	<b>-3.6%</b>
<b>/100K Population</b>	<b>1,187</b>	<b>1,161</b>	<b>-2.2%</b>

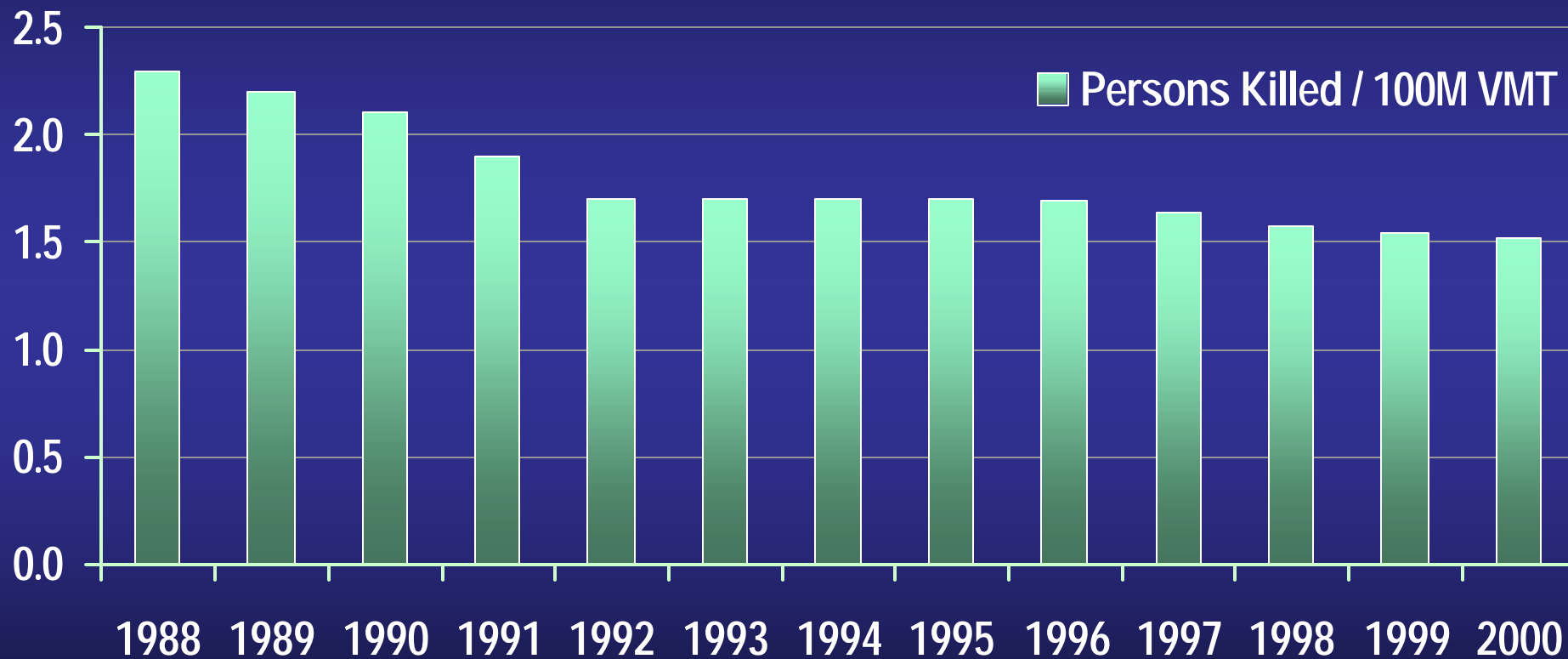
Unless otherwise noted, changes in Numbers of Injuries and Injury Rates are not statistically significant.

**Sources: FARS, NASS GES, FHWA, and Census Bureau**





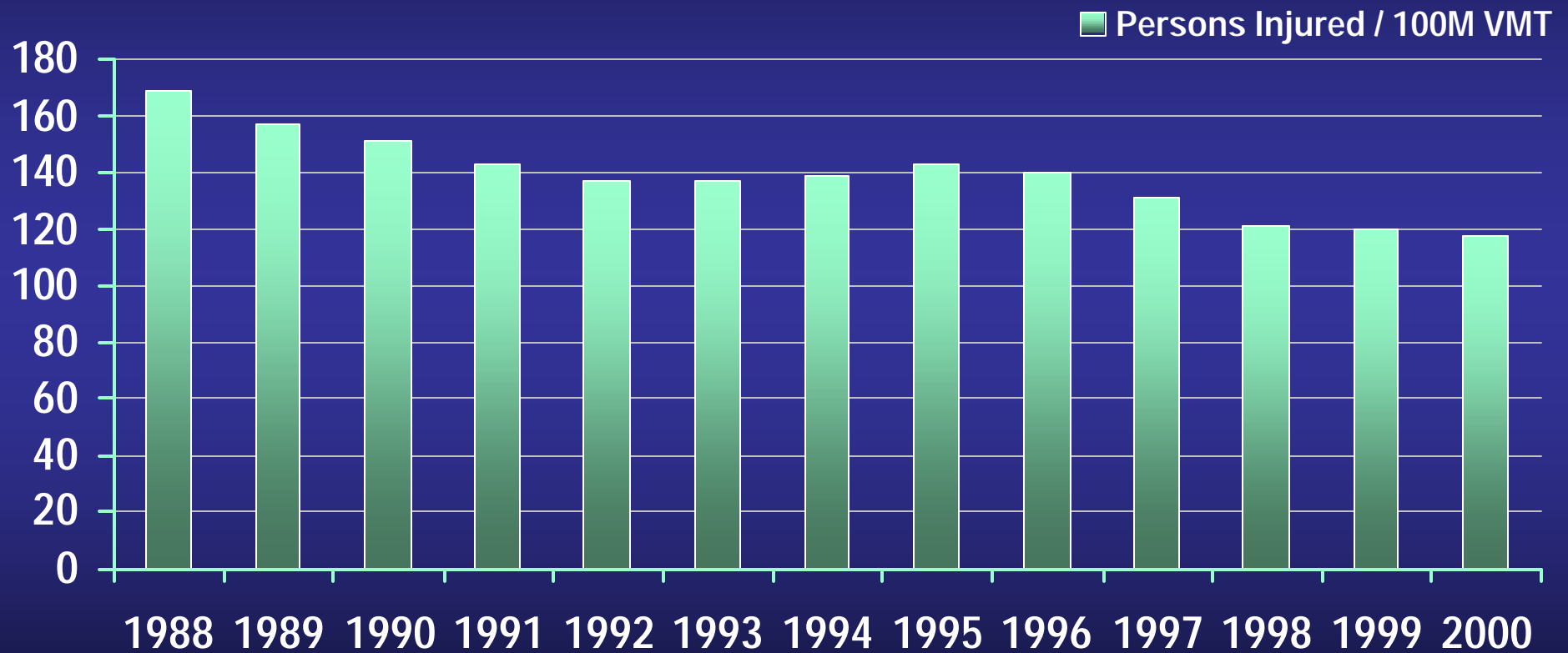
# Crash Fatality Rate, by Year



Source: FARS / FHWA VMT



# Crash Injury Rate, by Year



Sources: NASS GES / FHWA VMT

Unless otherwise noted, year-to-year changes in Numbers of Injuries and Injury Rates are not statistically significant.



# *2000 Data Show ...*



- **Fatalities and Injuries in Alcohol Related Crashes increased**

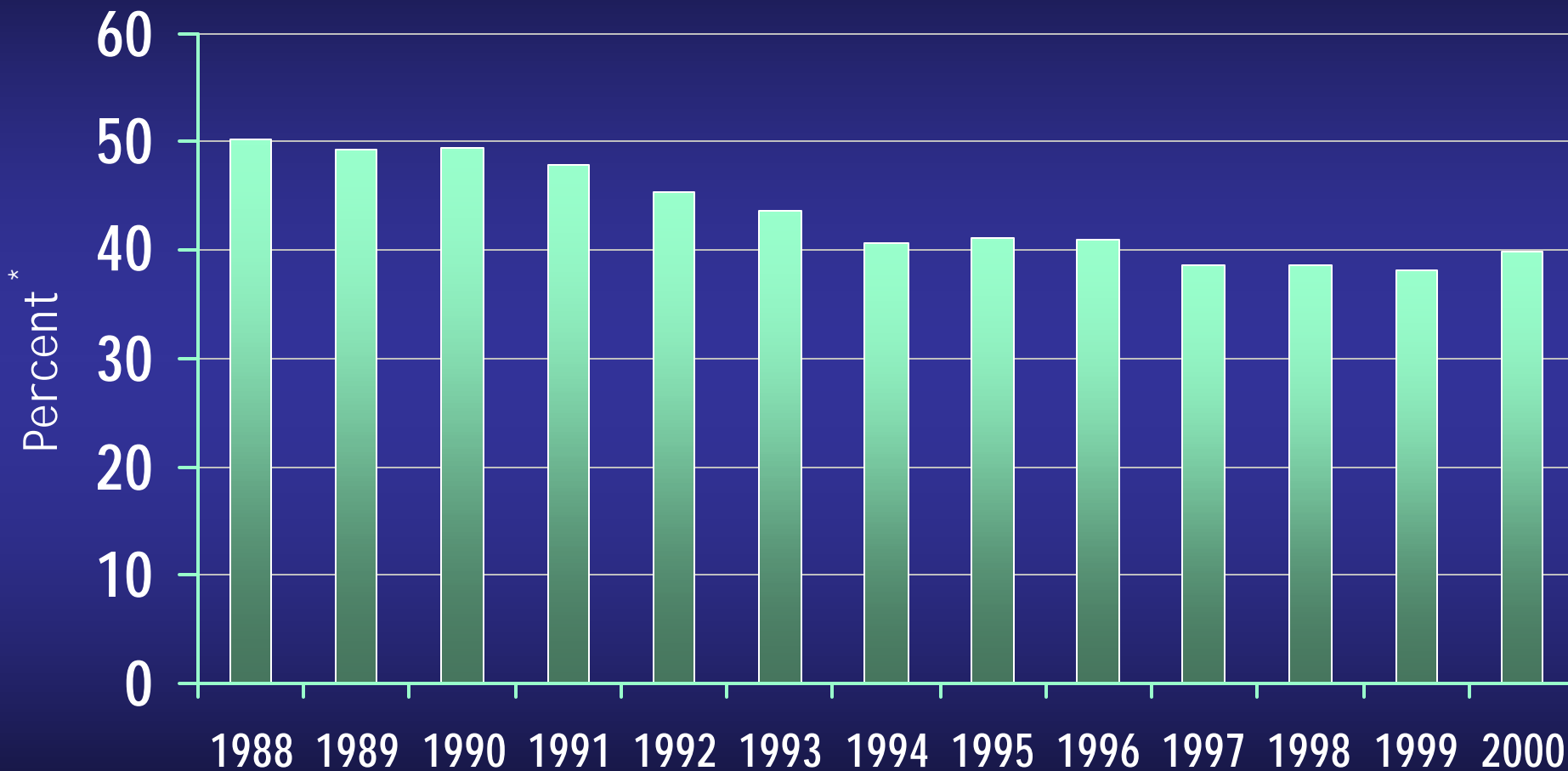
# Persons Killed, by Highest BAC in Crash



Highest BAC in Crash	Year		% Change
	1999	2000	
<b>Total Alcohol Related</b>	<b>15,976</b>	<b>16,653</b>	<b>+4.2%</b>
<b>% All Fatalities</b>	<b>38%</b>	<b>40%</b>	
<b>Impaired (0.01 &lt;= BAC &lt;= 0.09)</b>	<b>3,523</b>	<b>3,761</b>	<b>+6.8%</b>
<b>Intoxicated (0.10 &lt;= BAC)</b>	<b>12,453</b>	<b>12,892</b>	<b>+3.5%</b>

Source: FARS

# Percent Alcohol-Related Traffic Crash Fatalities of Total Fatalities, by Year



\* Rounded to the tenth decimal

Source: FARS



# 2000 Data Show ...



- **Vehicle Occupant Fatalities increased ...**

# Vehicle Occupants Killed, by Type of Vehicle



Type of Vehicle	Year		% Change
	1999	2000	
Passenger Car	20,862	20,492	-1.8%
LTVs	11,265	11,418	+1.4%
Motorcycles	2,483	2,862	+15%
Large Trucks	759	741	-2.3%
Other Vehicles*	414	420	+1.4%
Unknown Body Type	92	316	+243%
<b>TOTAL</b>	<b>35,875</b>	<b>36,249</b>	<b>+1.0%</b>

\*Includes vehicle occupant fatalities in buses and other, e.g., farm equipment, construction equipment, etc., vehicle types.

Source: FARS



# 2000 Data Show ...



- **The number of Passenger Vehicle Occupant Fatalities in Rollover Crashes decreased ...**

But...

Increased for

**Sport Utility Vehicle Occupants**



# Passenger Vehicle Occupants Killed in Rollover Crashes, by Type of Crash and Type of Vehicle



Type of Crash and Type of Vehicle	Year		% Change
	1999	2000	
<b>Single Vehicle Crash</b>	<b>8,348</b>	<b>8,141</b>	<b>-2.5%</b>
Passenger Car	3,991	3,838	-3.8%
Van	558	548	-1.8%
SUV	1,546	1,684	+8.9%
Other Light Truck	2,253	2,071	-8.1%
<b>Multi Vehicle Crash</b>	<b>1,792</b>	<b>1,732</b>	<b>-3.3%</b>
Passenger Car	727	664	-8.7%
Van	226	219	-3.1%
SUV	356	365	+2.5%
Other Light Truck	483	484	+0.2%

Source: FARS



# 2000 Data Show...



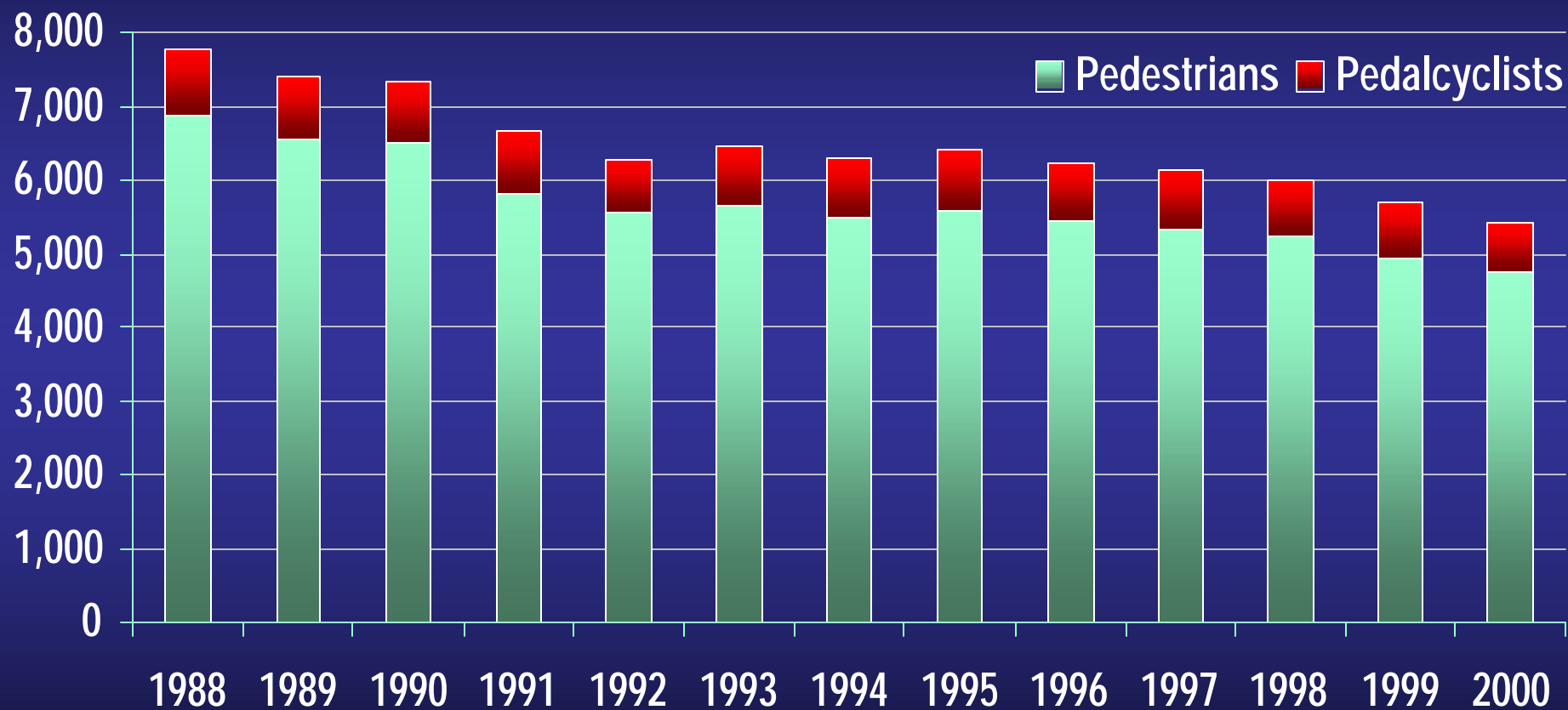
- **Using occupant restraints saves lives and reduces injuries.**
  - 73 percent of restrained passenger vehicle occupants involved in a fatal crash survived compared to only 44 percent of unrestrained occupants.

# *2000 Data Show ...*



- **The number of Pedestrians, Pedalcyclists and other Non-Occupants killed or injured declined**

# Pedestrians and Pedalcyclists Killed, by Year



Source: FARS

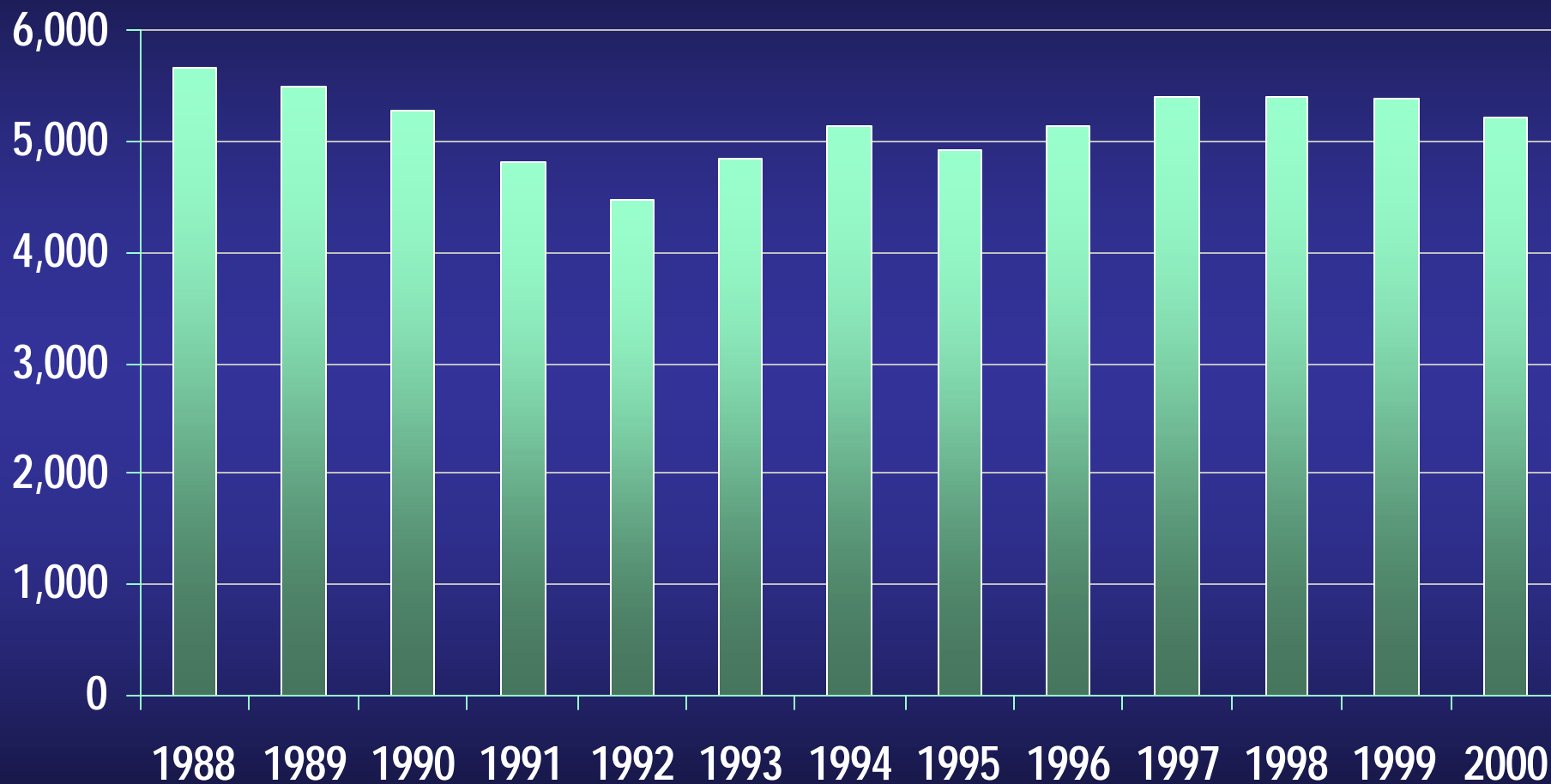


# *2000 Data Show ...*



- **Fatalities and injuries in crashes involving Large Trucks declined**

# Persons Killed in Large Truck Crashes, by Year



Source: FARS

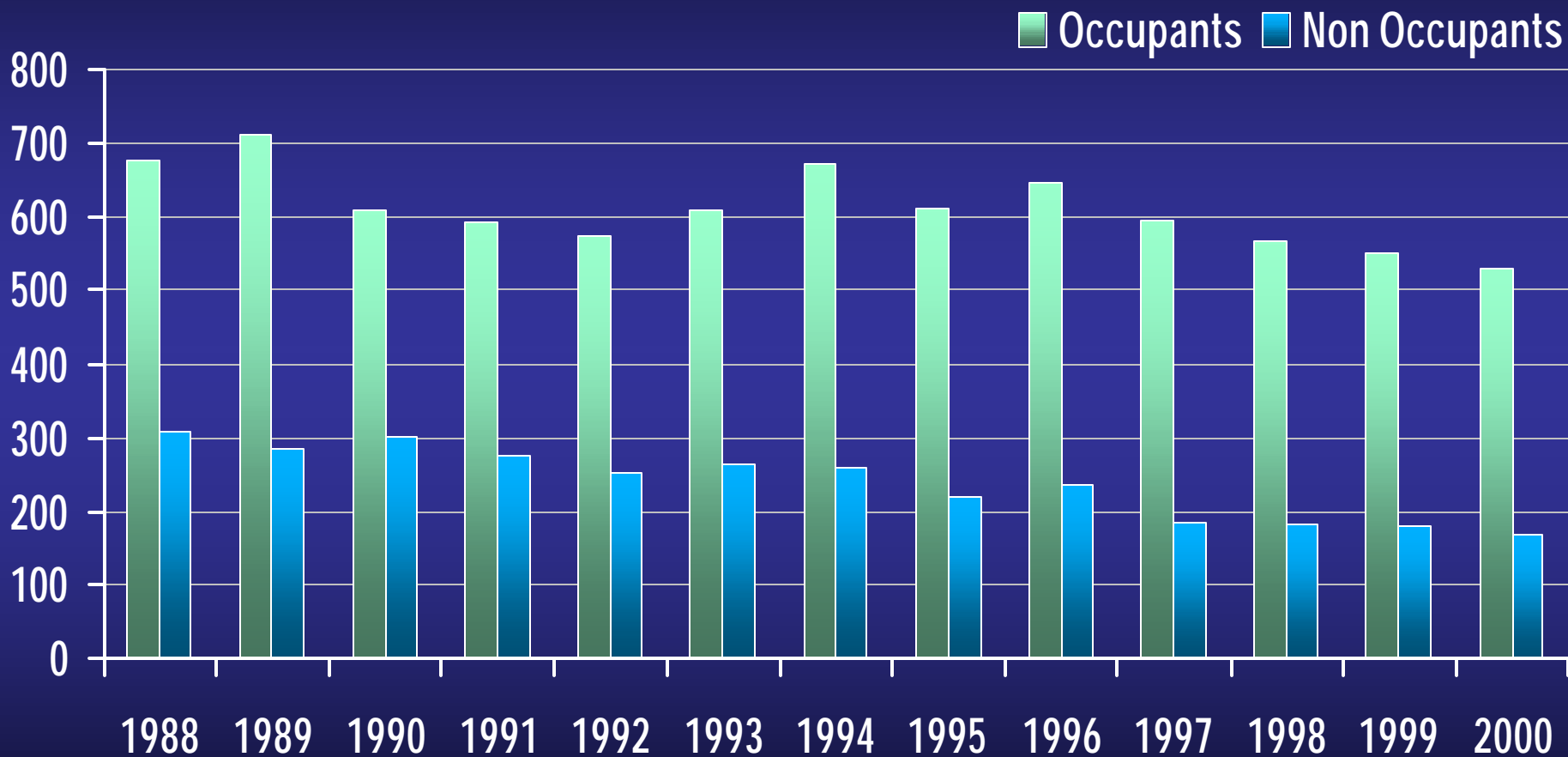


# *2000 Data Show ...*



- **Fatalities and Injuries for Children Ages 0 – 15 declined.**

# Child (Under 5) Fatalities, by Year

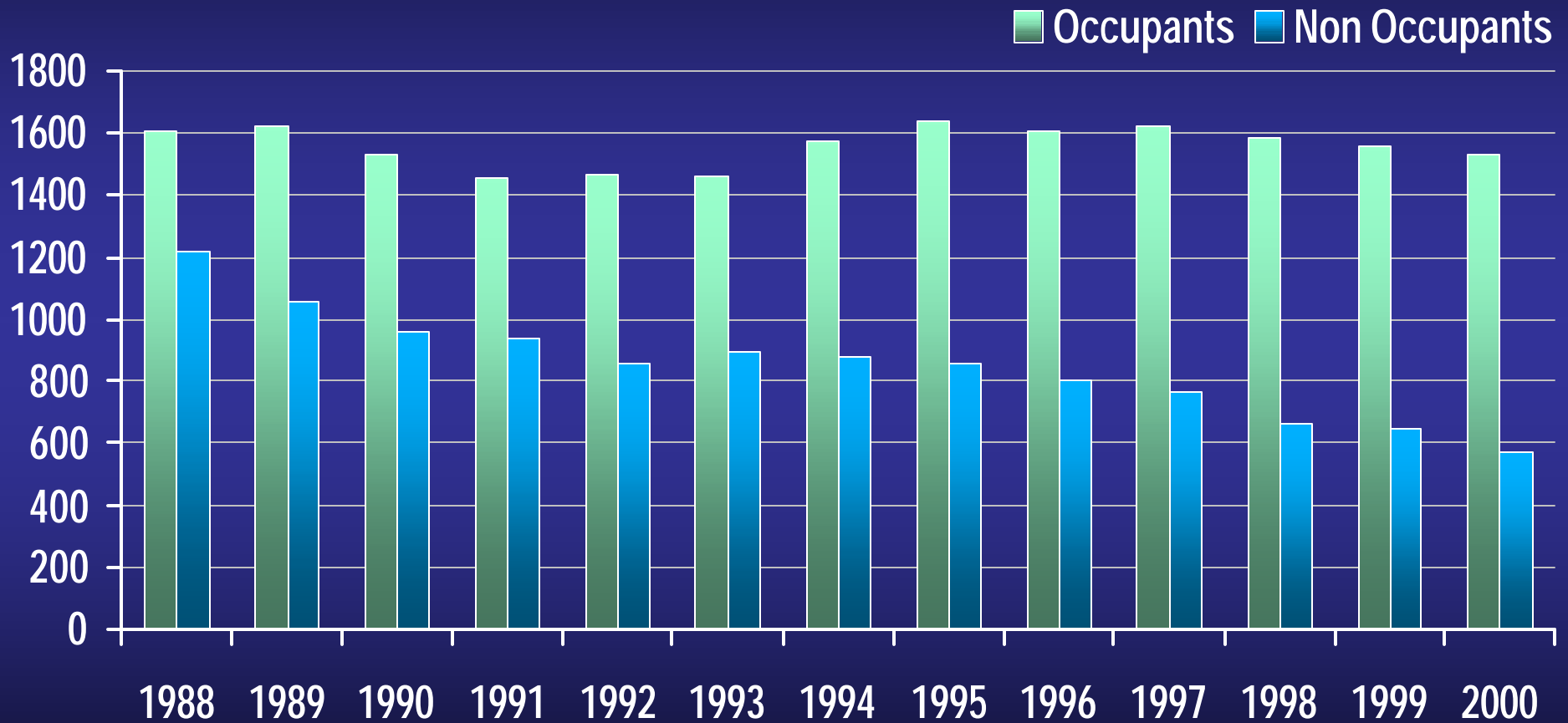


Source: FARS





# Children and Youth (Ages 5-15) Fatalities, by Year and Role



Source: FARS



# *2000 Data Show ...*



- **Crashes and Fatalities involving Young Drivers decreased.**

# Number of Crashes and Persons Killed in Crashes Involving Young Drivers (Ages 16-20)



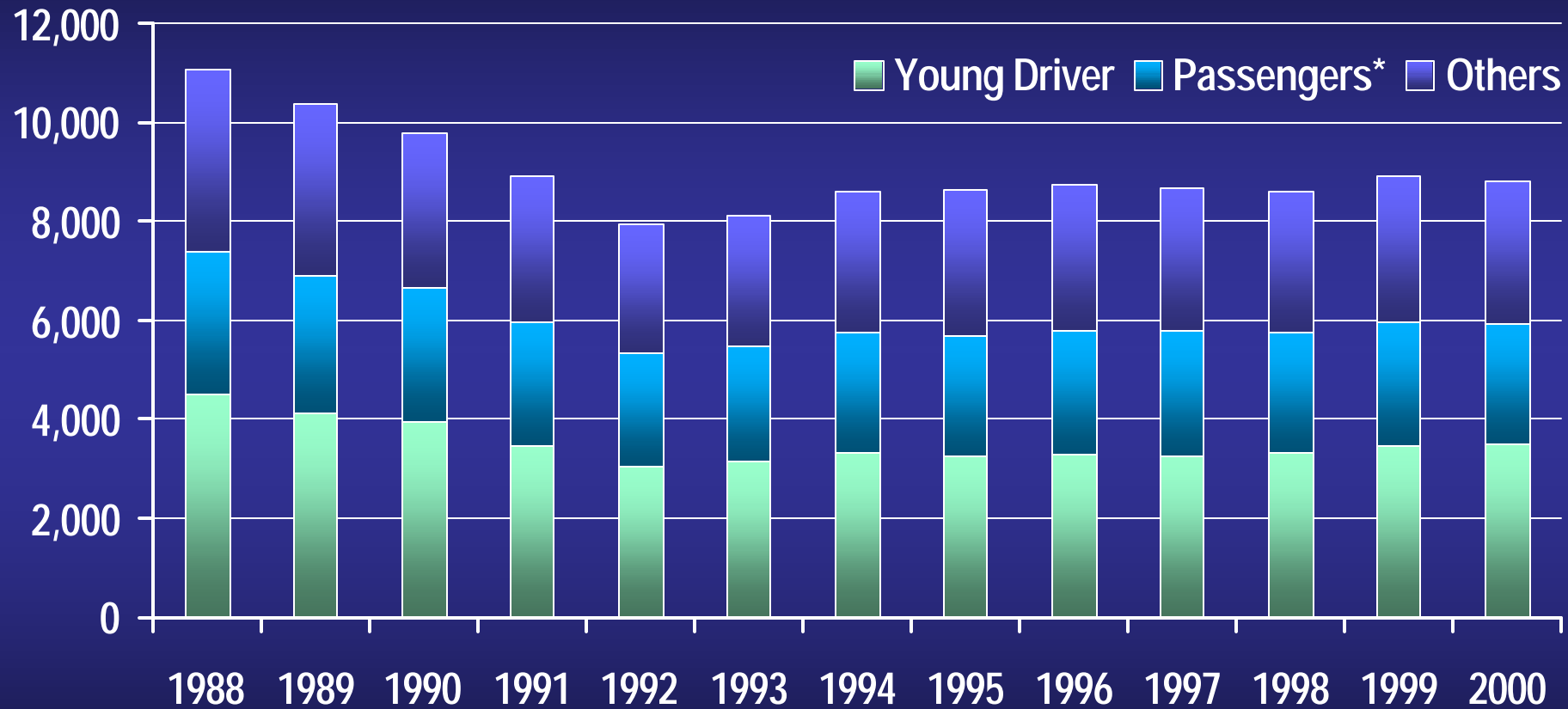
Crashes or Persons Killed	Year		% Change
	1999	2000	
<b>Crashes</b>	<b>1,745,000</b>	<b>1,683,000</b>	<b>-3.5%</b>
Fatal	7,620	7,607	-0.2%
Injury	588,000	569,000	-3.2%
PDO	1,149,000	1,106,000	-3.7%
<b>Persons Killed</b>	<b>8,920</b>	<b>8,811</b>	<b>-1.2%</b>
Young Drivers	3,484	3,502	+0.5%
Passengers*	2,492	2,417	-3.0%
Others	2,944	2,892	-1.8%

\*In vehicles with young drivers

Source: FARS, NASS GES



# Persons Killed in Crashes Involving Young Drivers (Ages 16-20), by Year and Role



\*In vehicles with young drivers

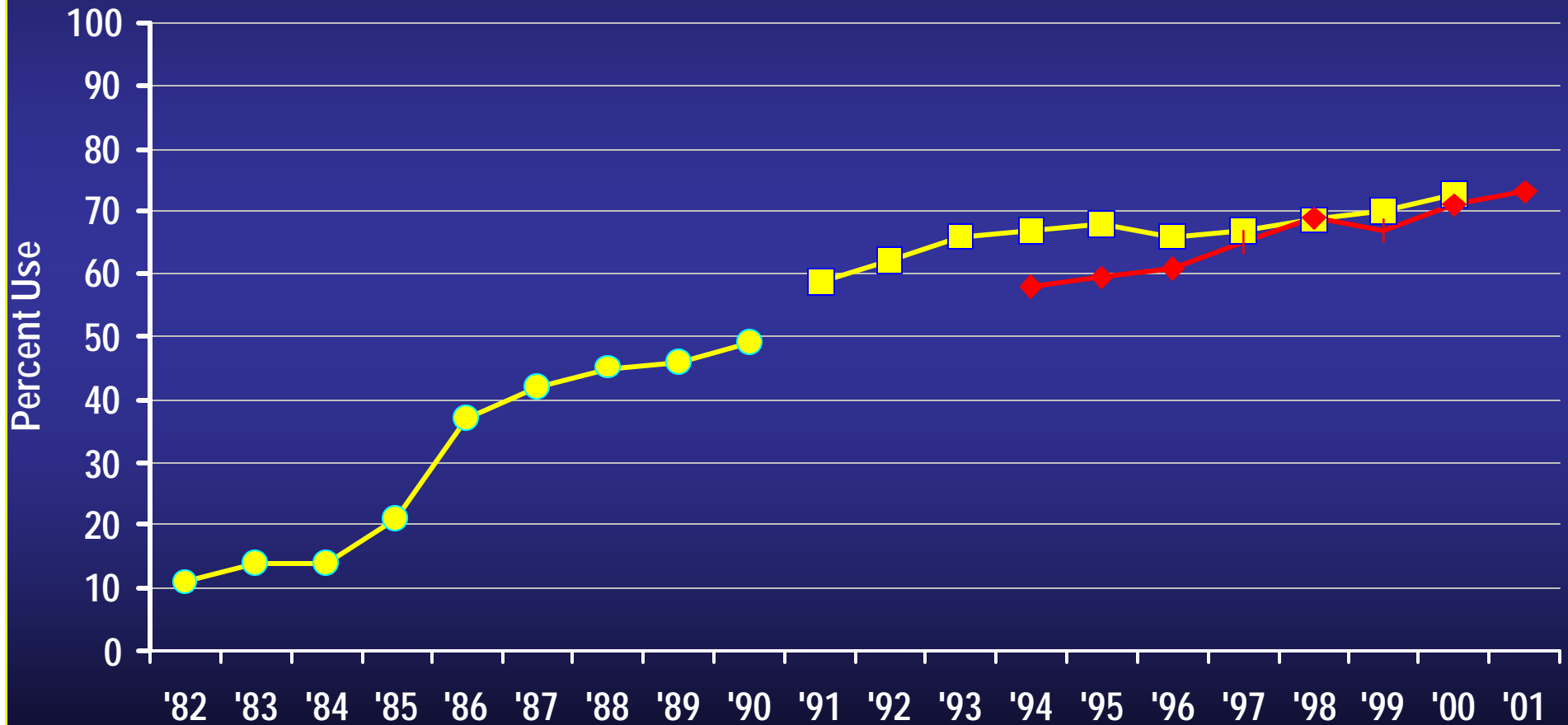
Source: FARS



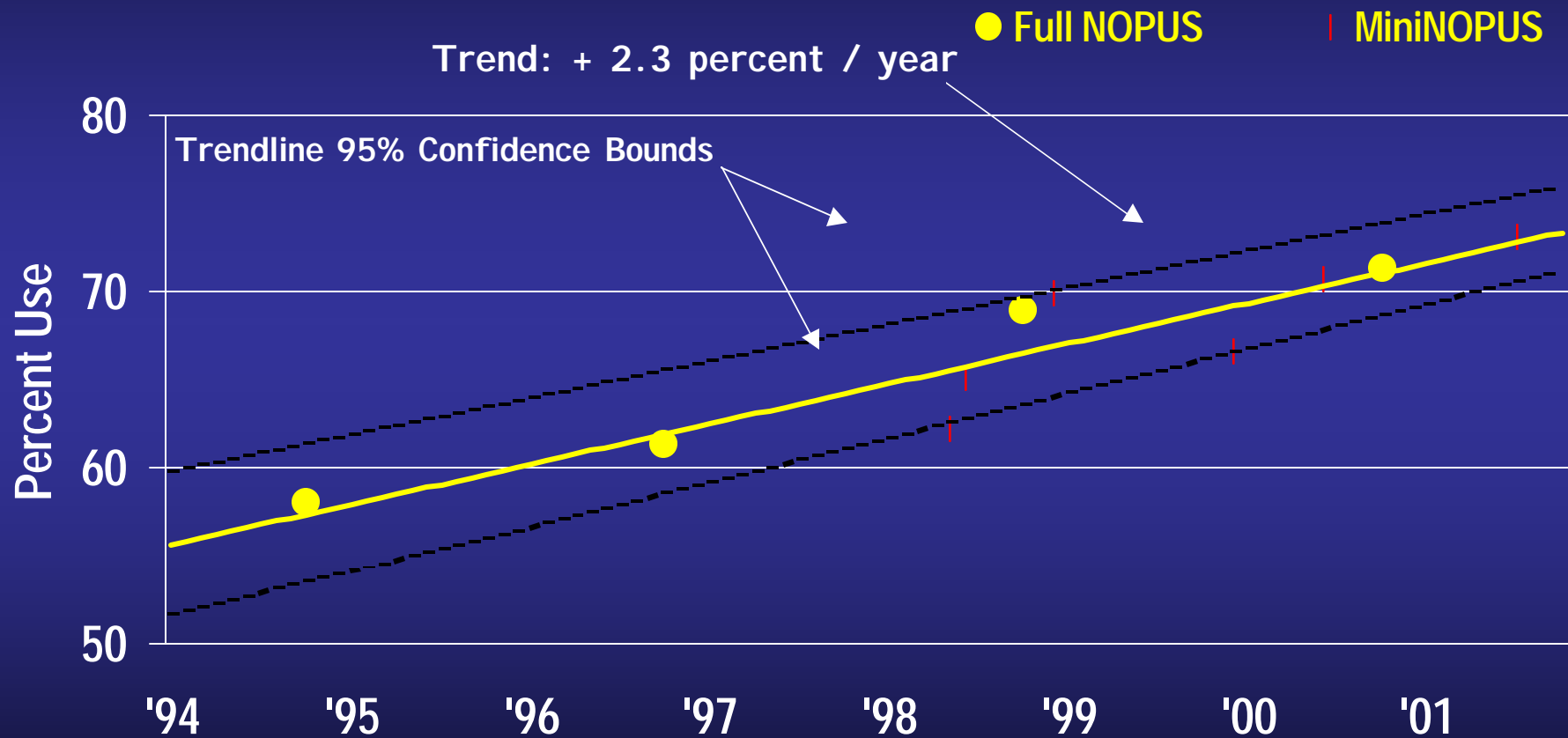
# Seat Belt Use 1982 - 2001



● 19-City      ■ State      ◆ NOPUS



# June 2001 Rate Continues Safety Belt Use Trend



Sources: NOPUS and Mini NOPUS, 1994 - 2001

