

Young Drivers I: Washington Data

**Teen Driving Task Force
Olympia, WA
July 8, 2009**

Revised August 6, 2009



“The overinvolvement of young, and male, road users is one of the largest and most consistently observed phenomena in traffic throughout the world. It is so robust and repeatable that it is almost like a law of nature. Its magnitude suggests that it must involve much more than a mere lack of driving (or road-crossing) experience.”

(Leonard Evans, D.Phil. [Oxford, physics], and former Principal Research Scientist, GM Labs, 1967-2000)



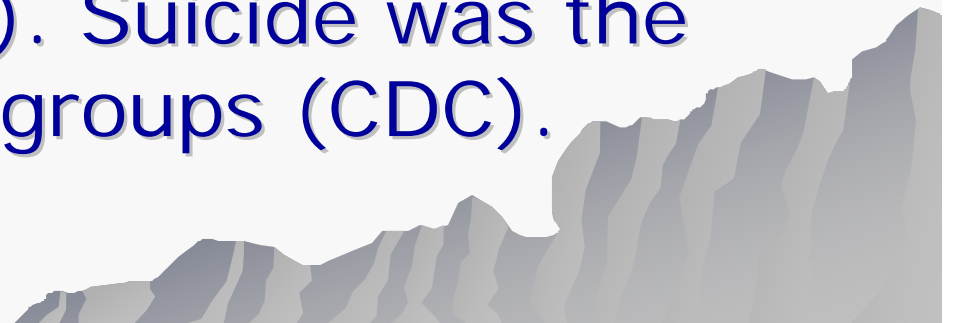
National Data

- ◆ In 2007, teen drivers (ages 15-20) accounted for 6.4% of all licensed drivers...but 12.5% of drivers in fatal motor vehicle crashes – twice as many as we'd expect from their share of the driving population. (NHTSA, 2008)
- ◆ Also in 2007, the #1 cause of death for 15-20 year olds was MV crashes. (NHTSA, 2008)



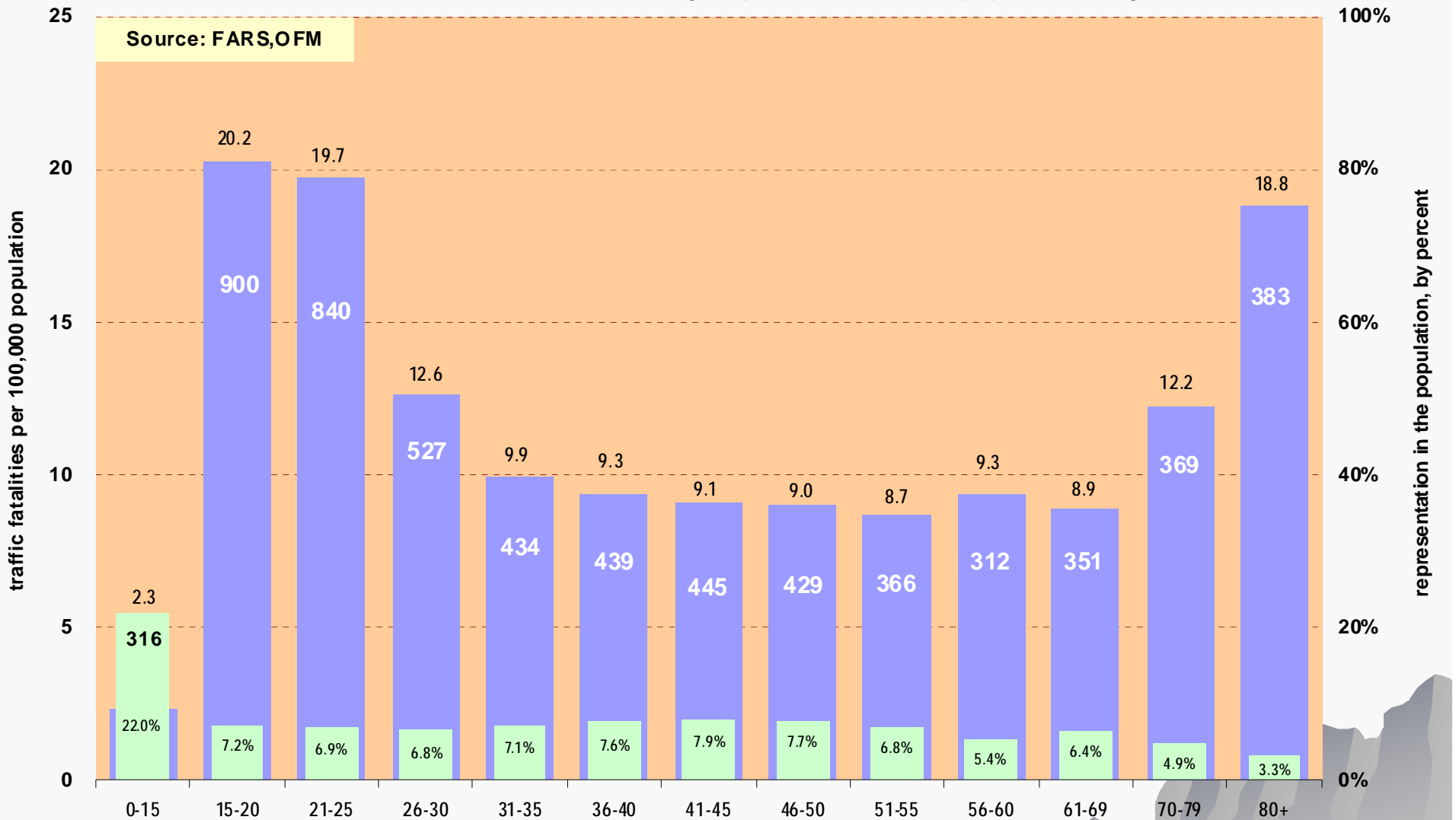
Washington State Data

- ◆ In 2008, 16-20 year-olds accounted for 5.7% of all licensed drivers...but 10.2% of drivers in fatal crashes (representation ratio = 1.8).
- ◆ From 1999-2006, motor vehicle collisions were (still) the #1 cause of death for those ages 16-20 (799 of 1,160 total deaths) and 21-25 (713 of 1,208 total deaths). Suicide was the #2 cause for both groups (CDC).



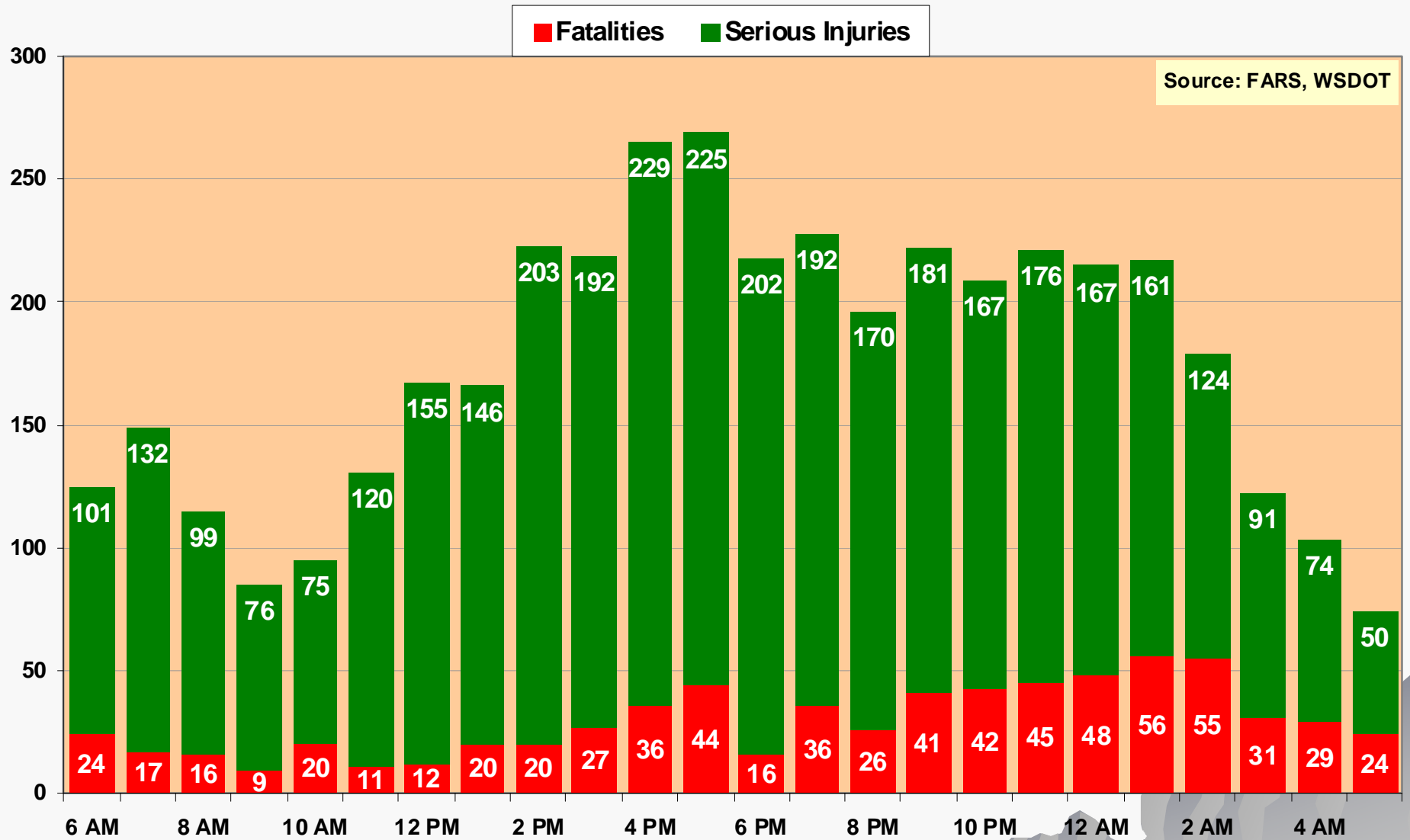
WASHINGTON TRAFFIC FATALITY RATE, 1999-2008

By Age Group, Traffic fatalities per 100,000 population (in purple bars, raw numbers in white) AND Percentage representation in the population (in green)

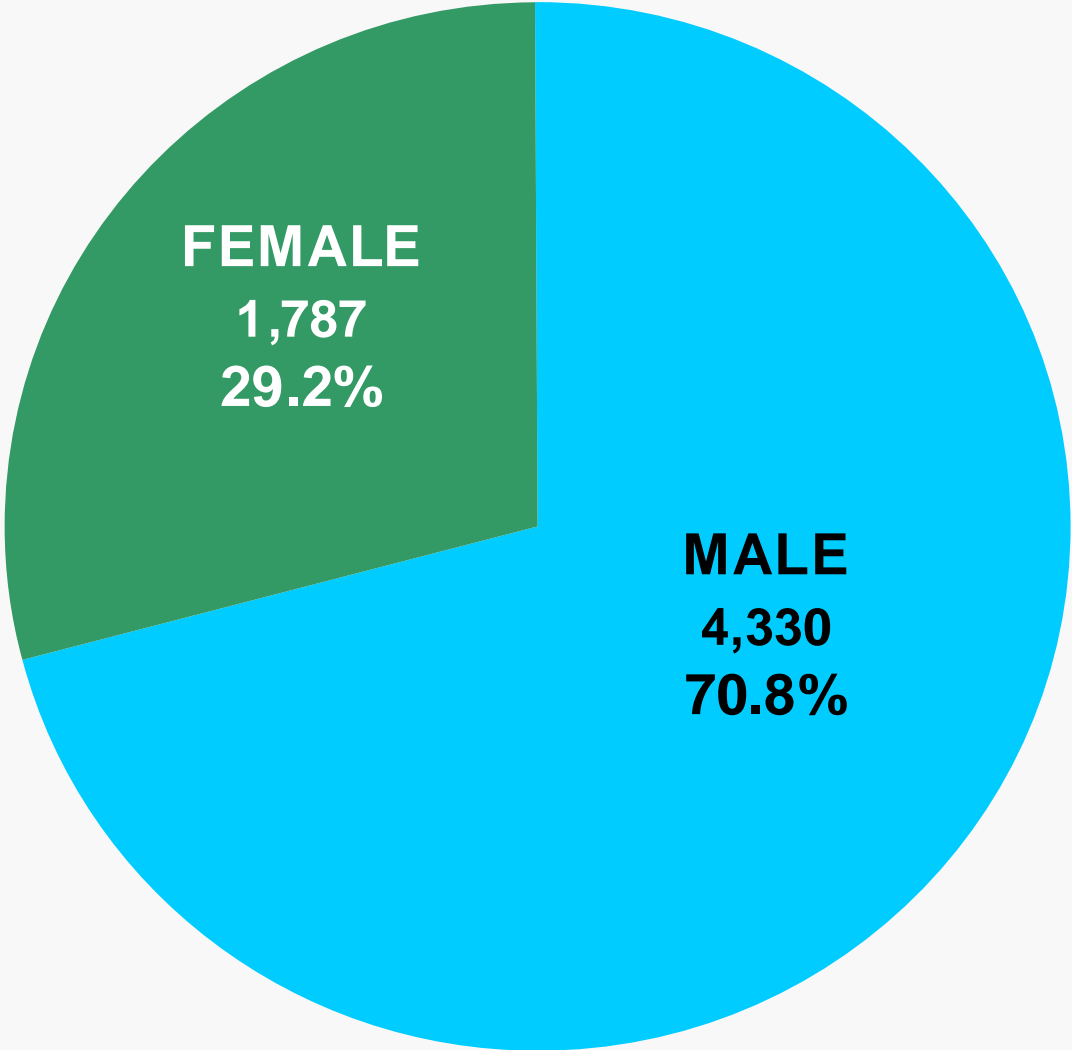


AGE 16-20 FATALITIES AND SERIOUS INJURIES, WA 2001-2008

By Hour of Crash



**WASHINGTON TRAFFIC
FATALITIES, 1999-2008**
By Gender

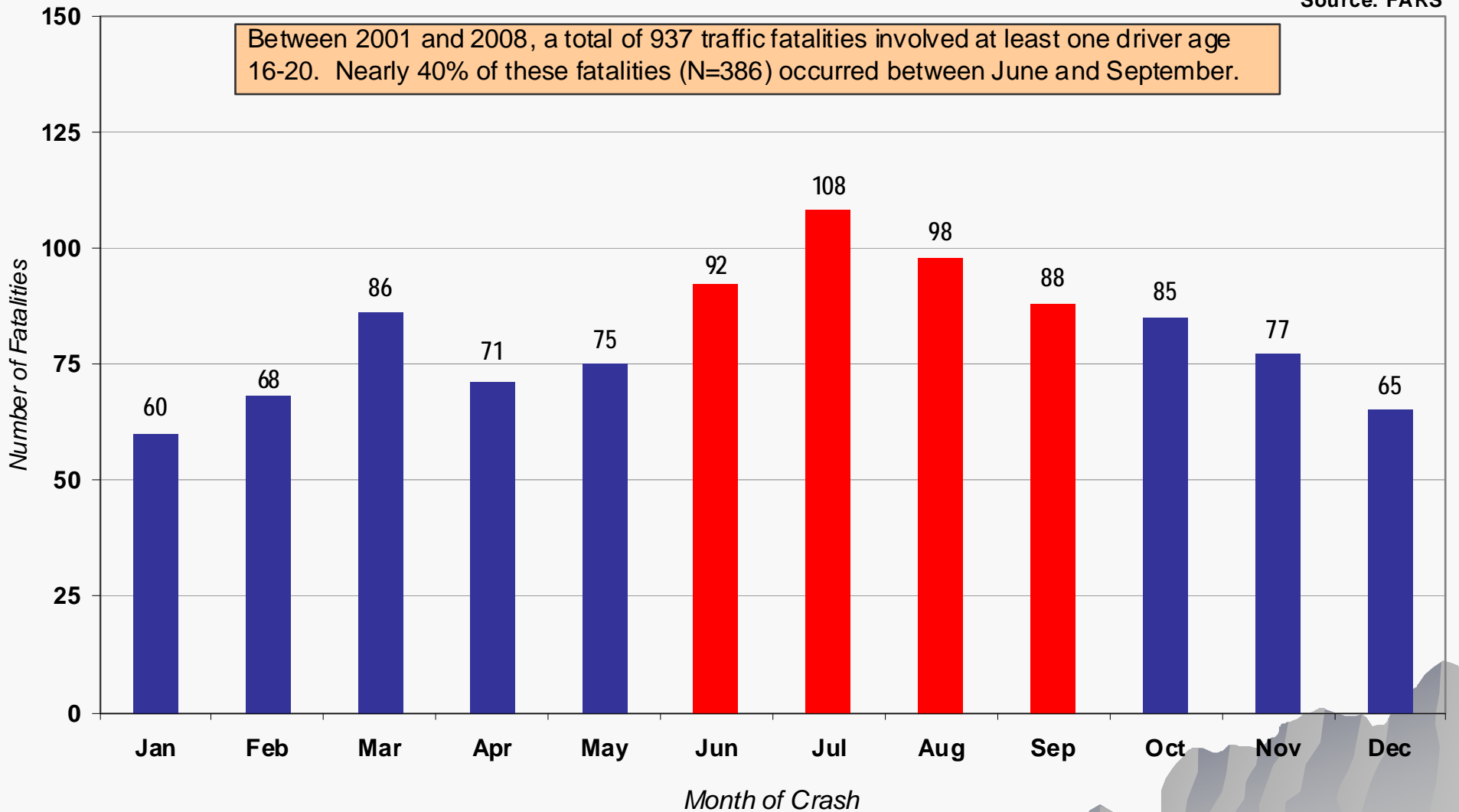


Source: FARS,OFM

Traffic Fatalities Involving a Driver Age 16-20, WA 2001-2008

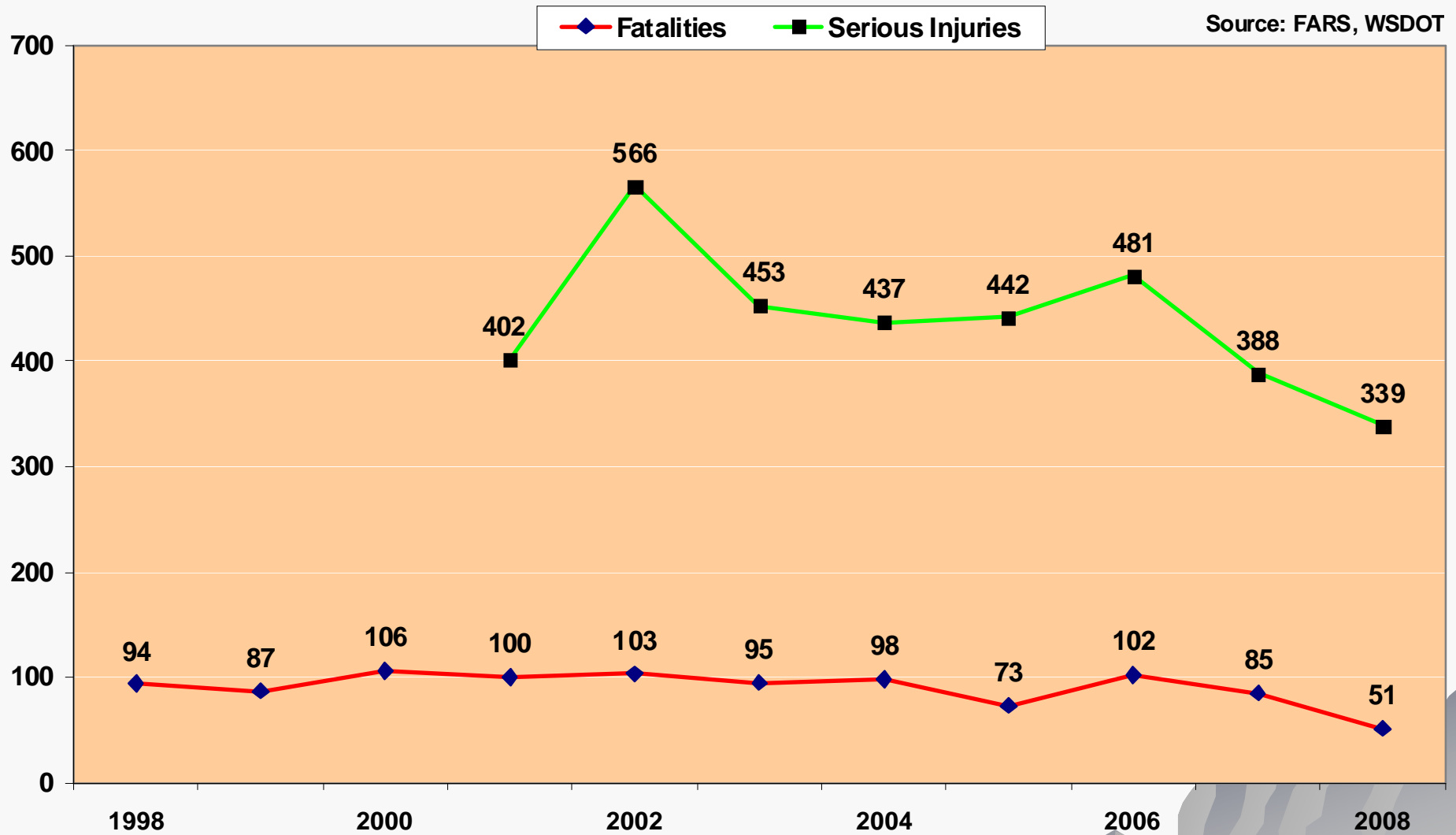
937 total traffic fatalities Involving a teen driver

Source: FARS



Washington Fatalities and Serious Injuries, 2001-2008

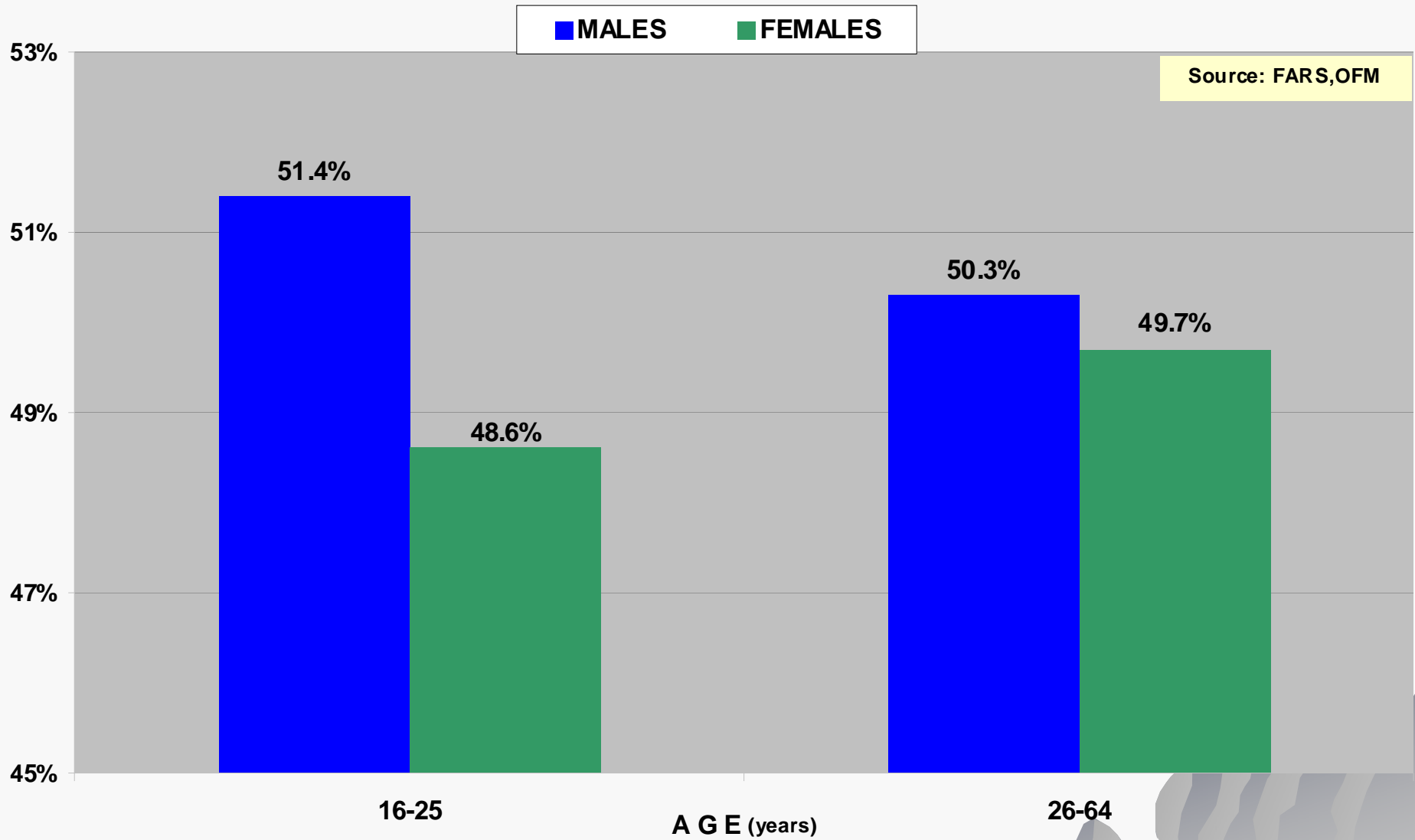
For 16-20 year-olds, By Year



Source: FARS, WSDOT

Washington Driving-Age Population, 1999-2008

By Gender and Age, 16-25 year-olds vs 26+ year-olds

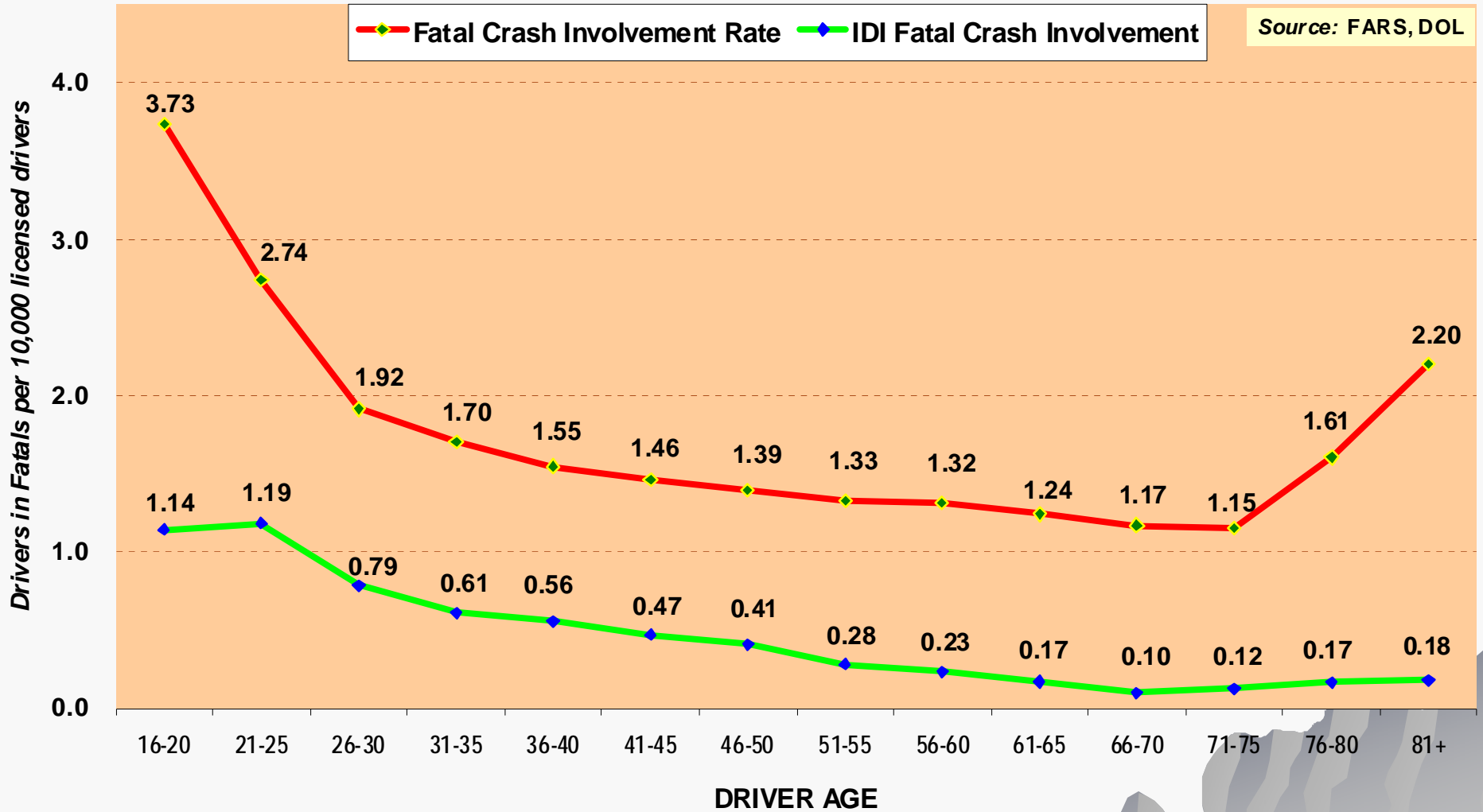


Washington Fatal Crash Involvement Rate, 1999-2008

TOTAL AND IMPAIRED DRIVERS*, By Driver Age Group

Drivers in fatal crashes per 10,000 licensed drivers

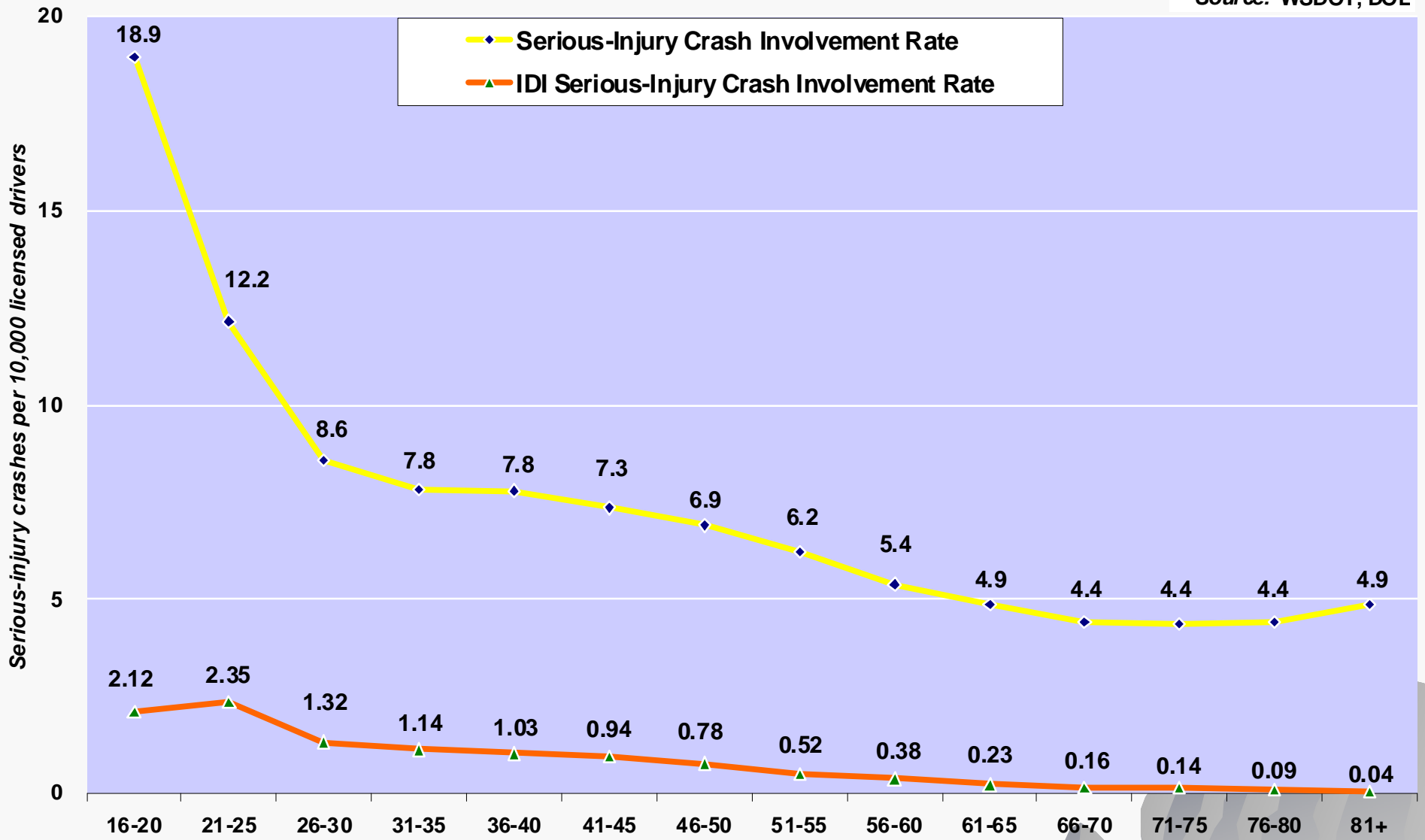
*Drivers with either a BAC \geq .08 or a positive drug test



Washington Serious-Injury Crash Involvement Rate, 2001-2008

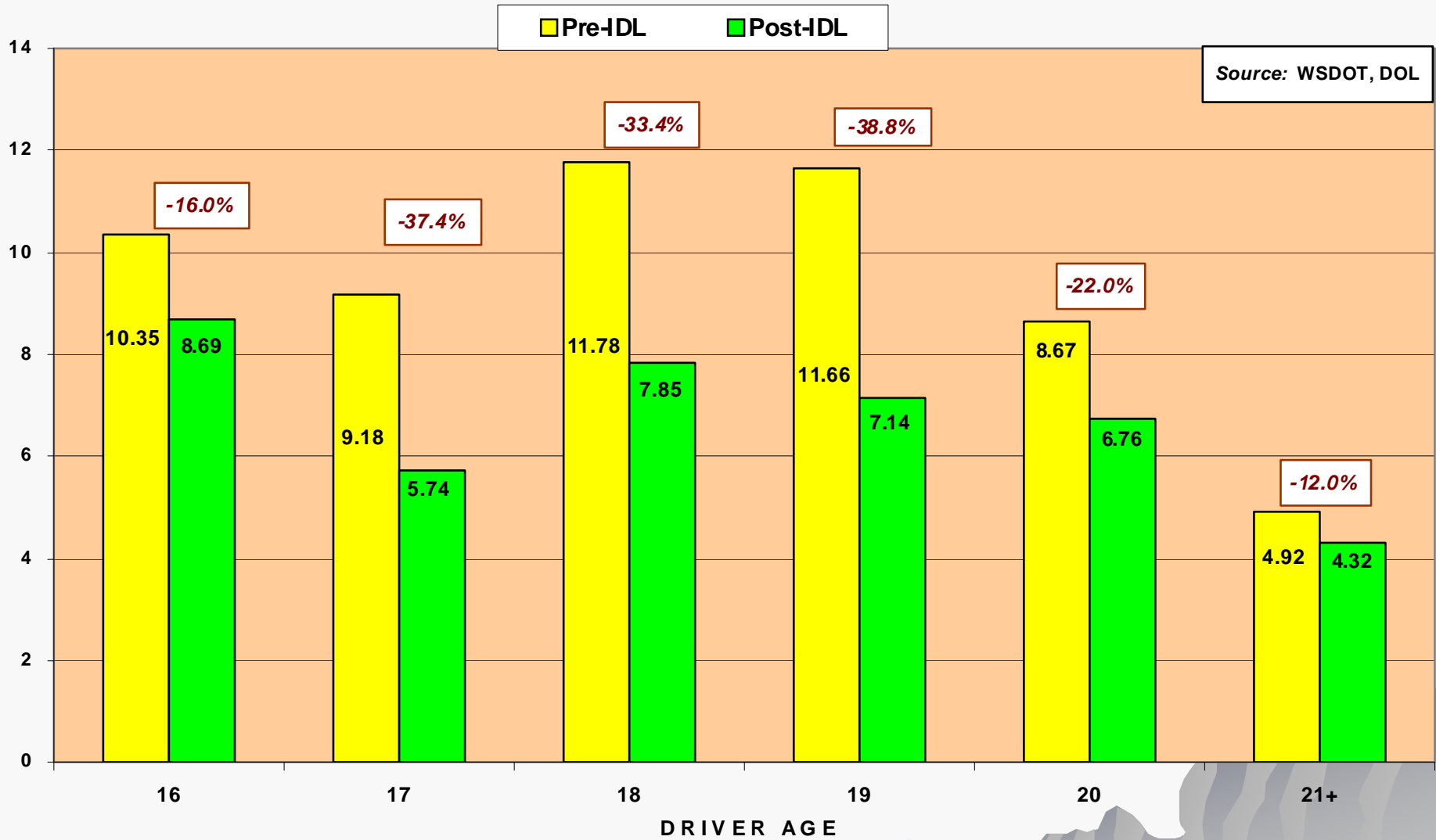
By Driver Age Group, S-I Crashes per 10,000 licensed drivers

Source: WSDOT, DOL



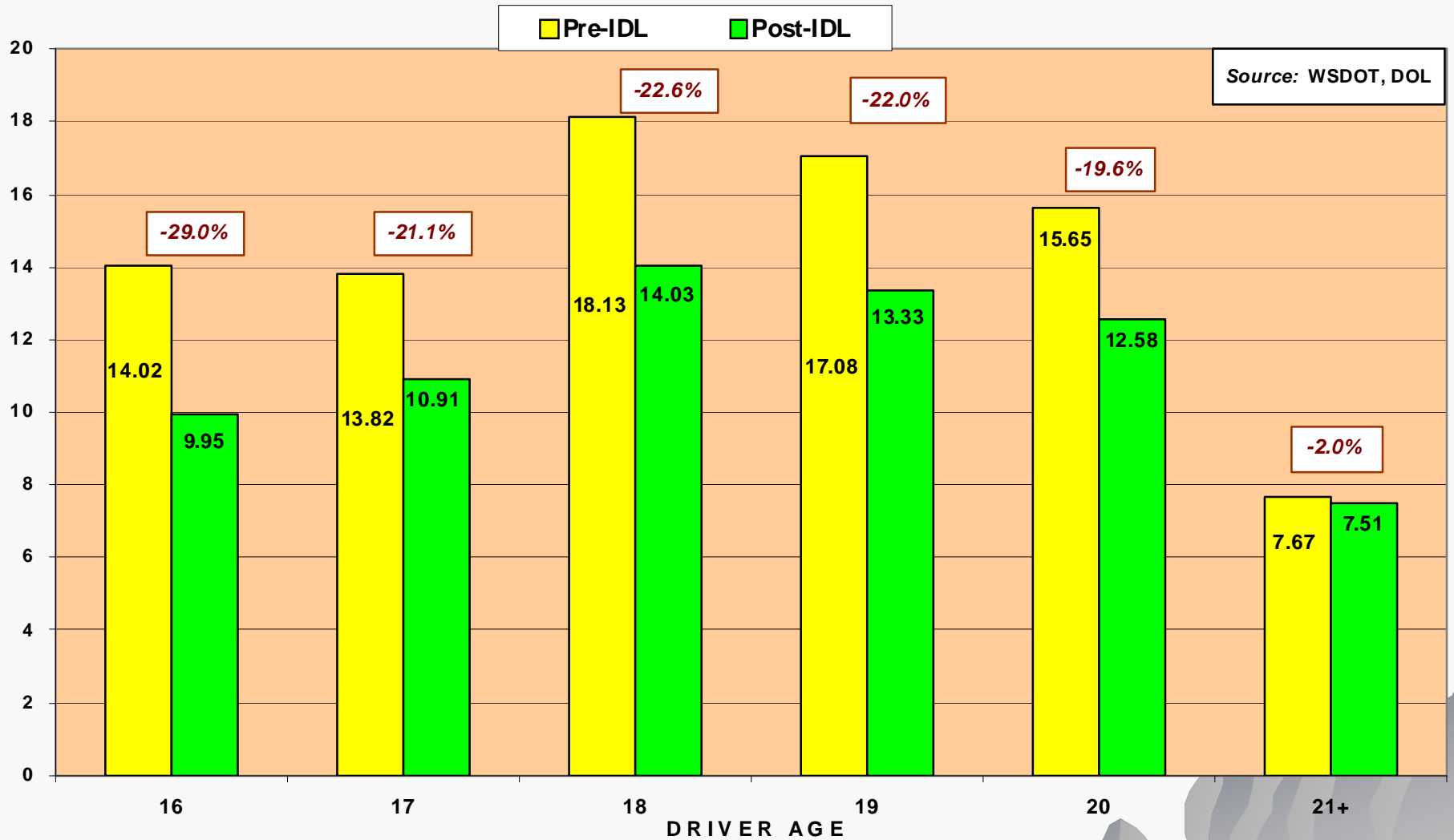
Driver Fatal and Serious Injury Crash Rates

By Age, Drivers in Fatal or Serious crashes per 10,000 licensed drivers
1999-2000 vs 2002-2007 (annual averages), Highway-related ONLY



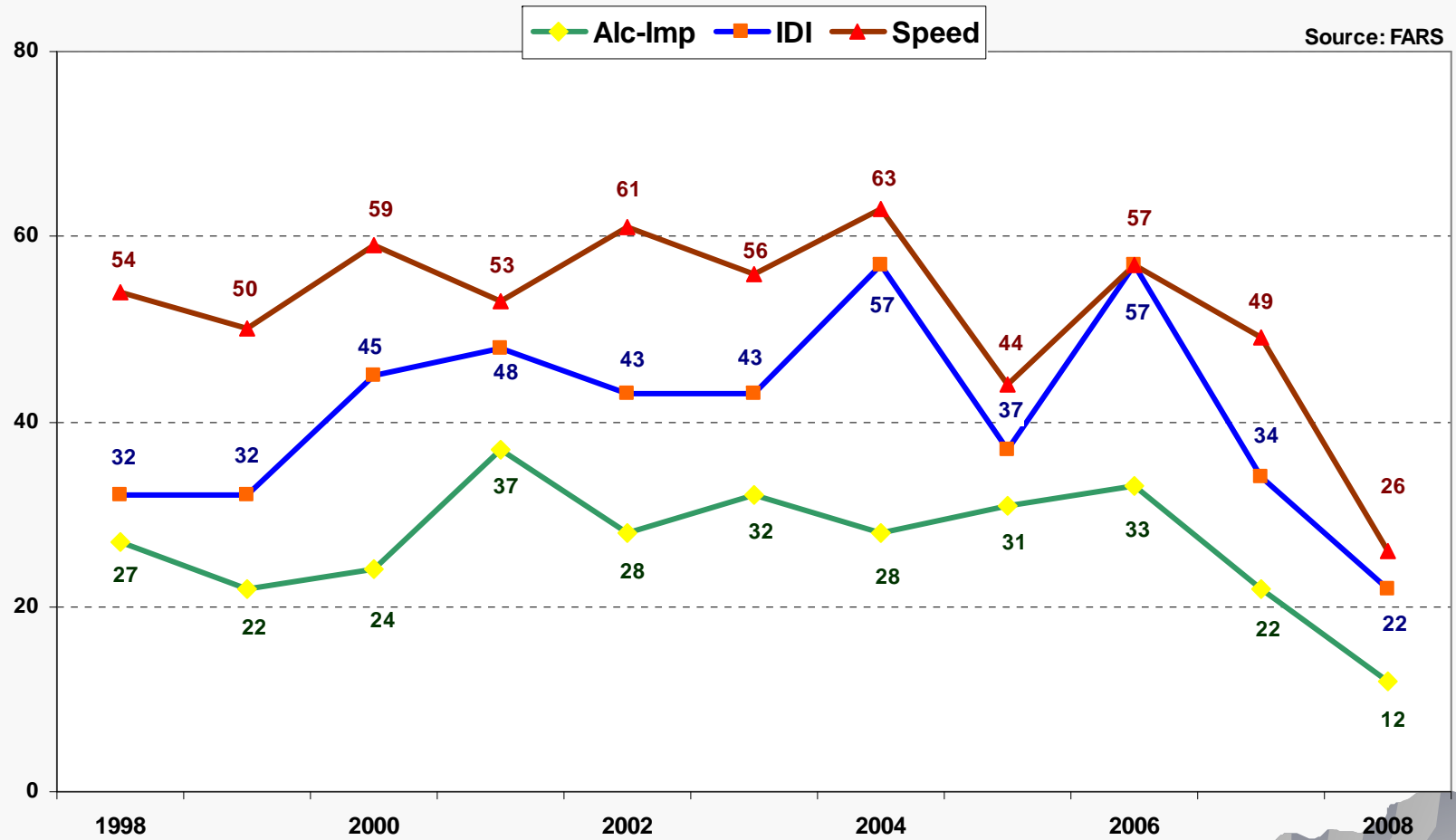
Driver Minor-Injury Crash Rates

By Age, Drivers in minor-injury crashes per 1,000 licensed drivers
1999-2000 vs 2002-2007 (annual averages), Highway-related ONLY



Washington Traffic Fatalities to 16-20 Year-Olds, 1998-2008

In Alcohol-Impaired Driver-Involved, Impaired Driver-Involved, and Speeding Driver-Involved Crashes

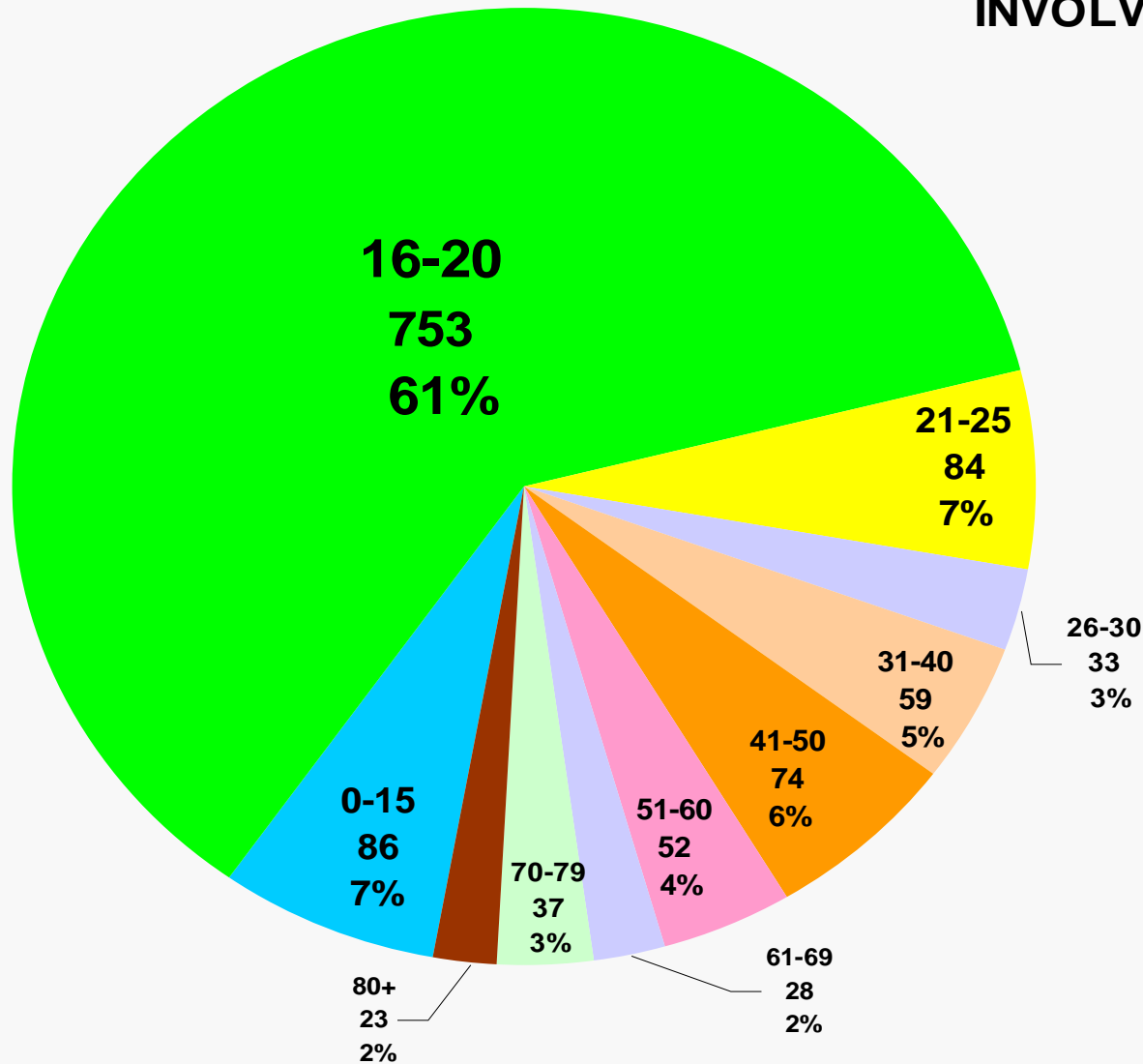


WASHINGTON YOUNG DRIVER-INVOLVED* FATALITIES

1999-2008 (N=1,231)

By Age Group

**Involving a driver
between 16 and 20
years old*

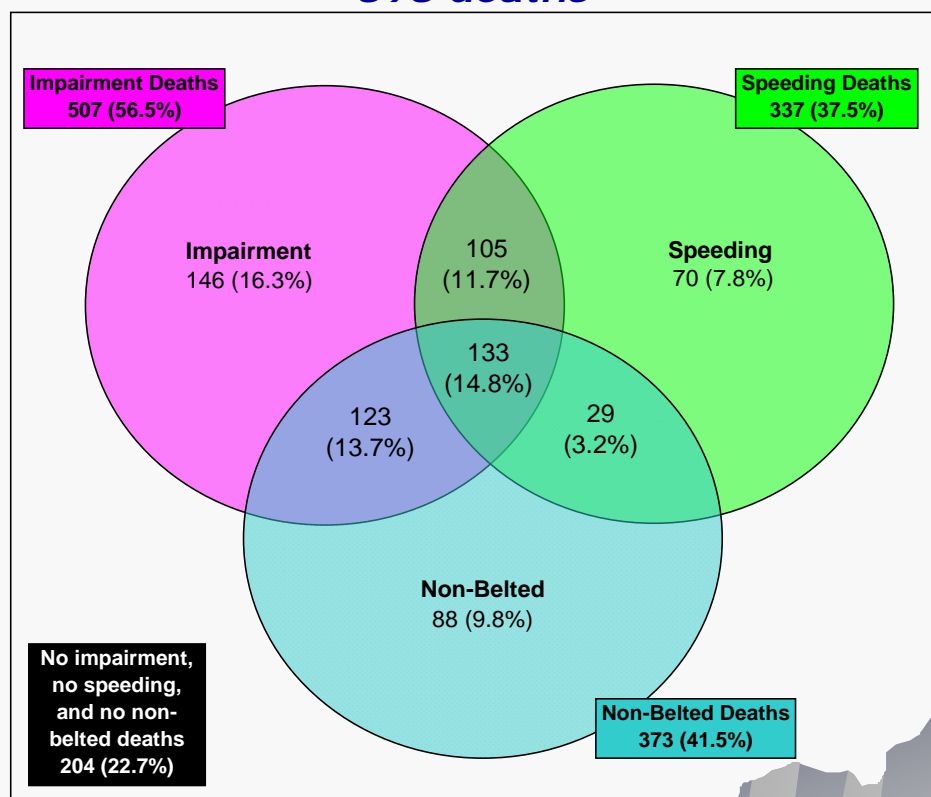
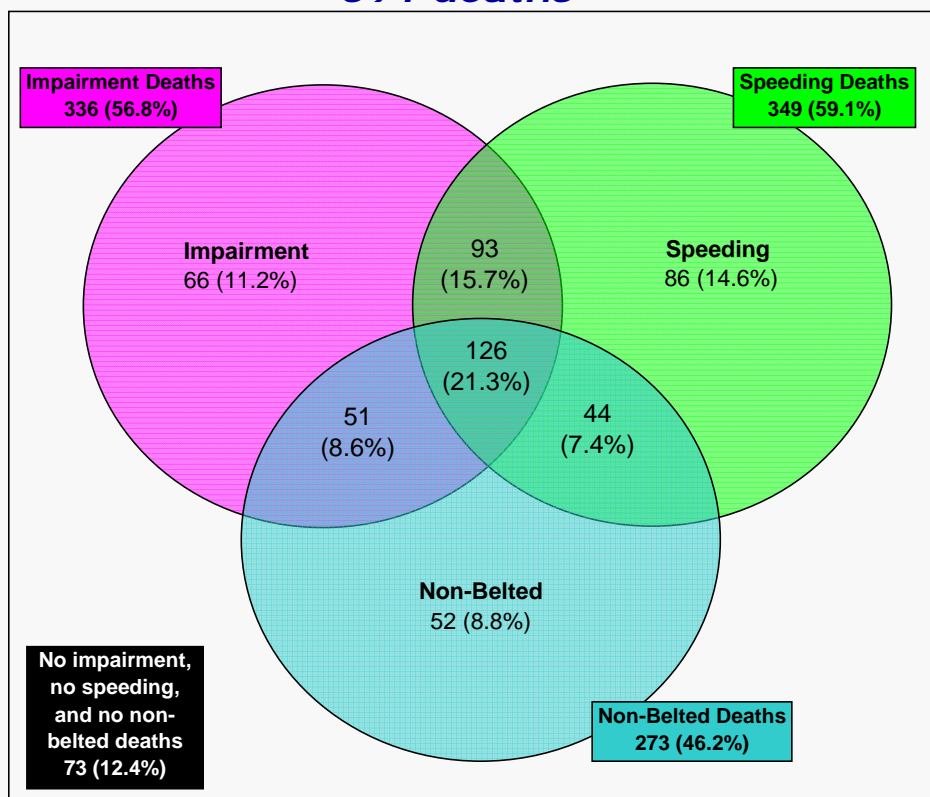


Source: FARS

Factors in Vehicle Occupant Traffic Fatalities by Driver Age, Washington 2005-2008

Deaths Involving a Driver Age 16-25
591 deaths

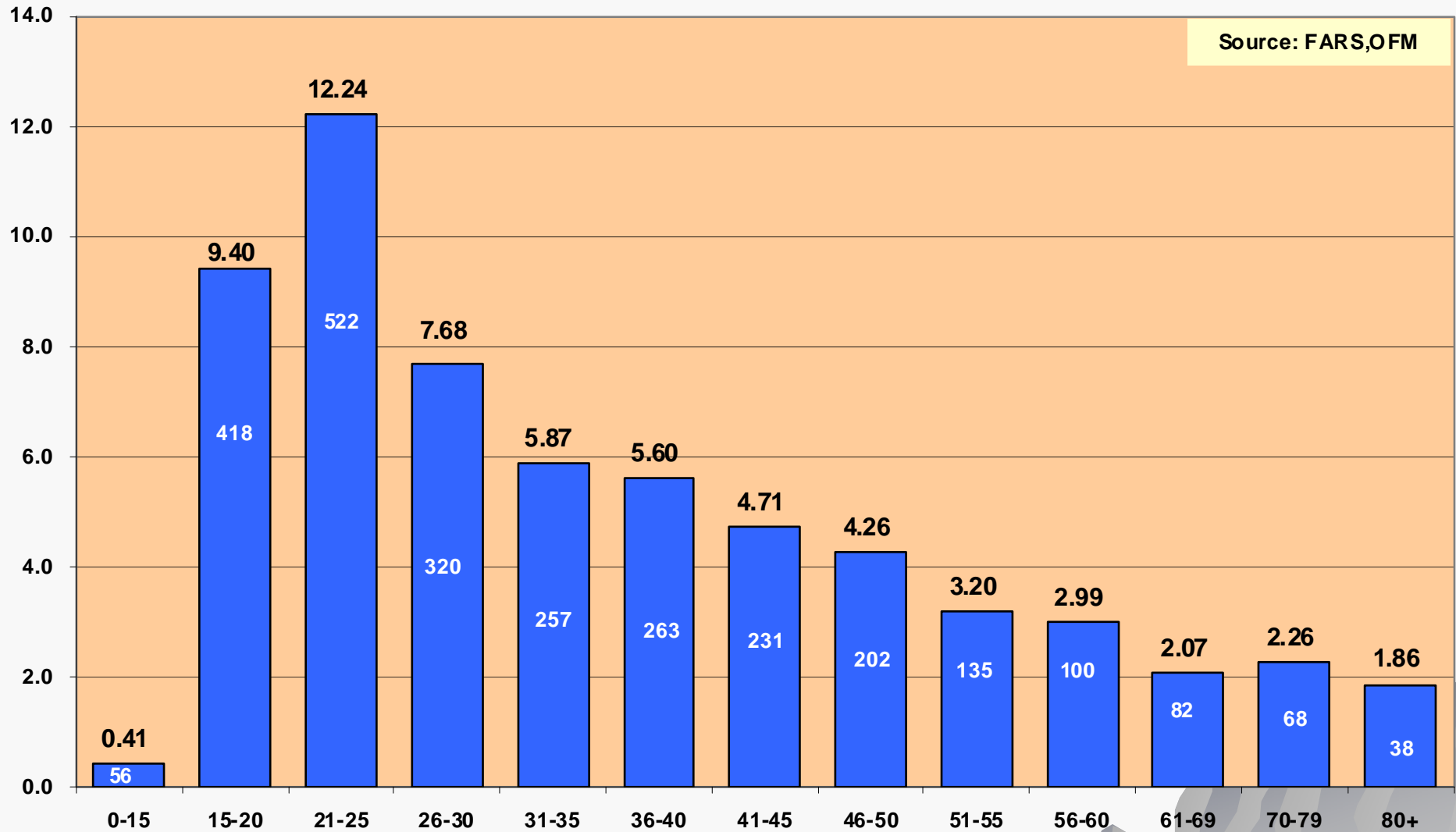
vs. Deaths Involving a Driver Age 26-65
898 deaths



21.3% of traffic deaths involving a driver age 16-25 involved speeding, impairment, and seat belt non-use compared to 14.8% of deaths involving an older driver.

WASHINGTON IMPAIRED DRIVER-INVOLVED FATALITIES 1999-2008

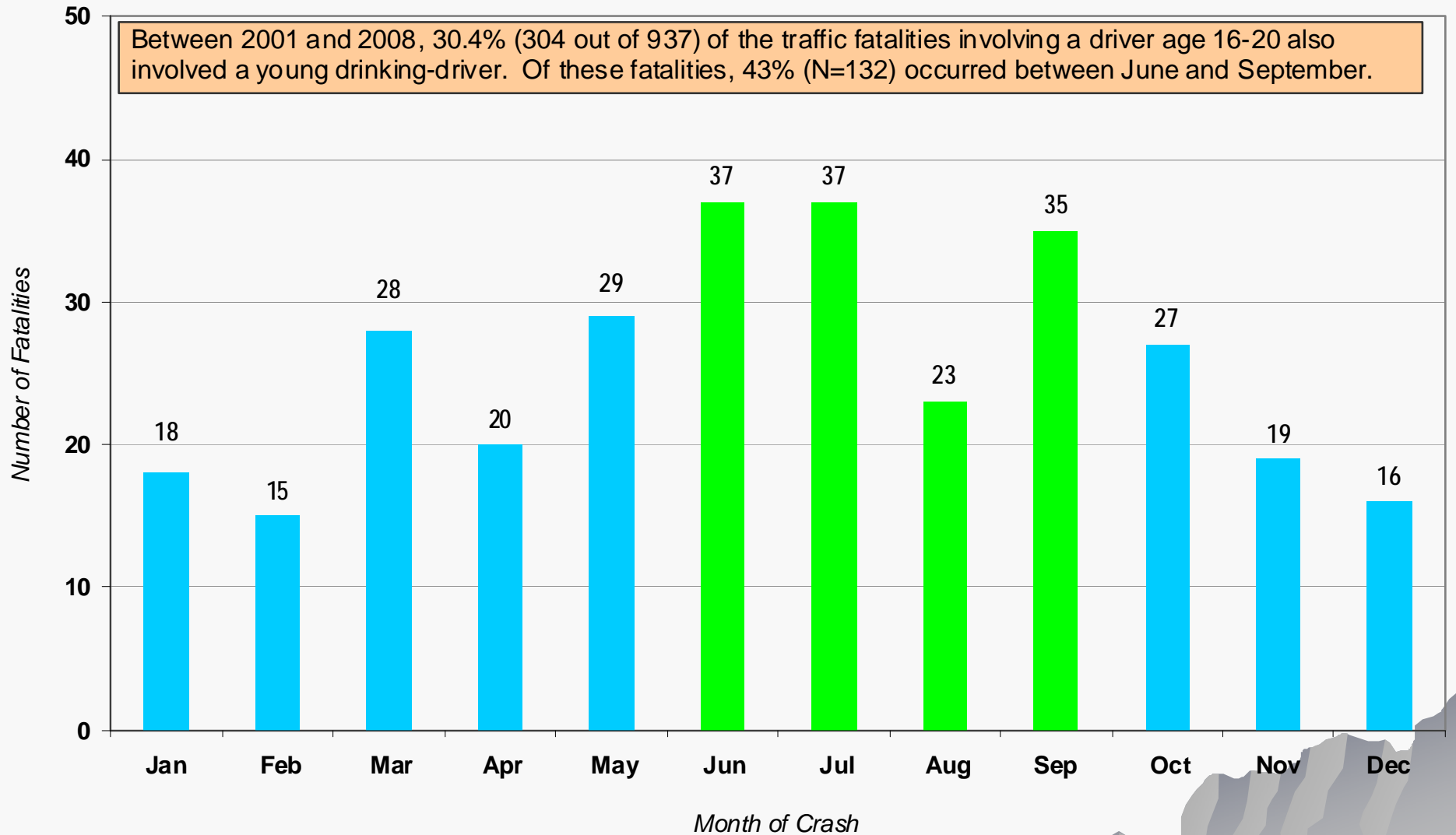
By Age Group, IDI Fatalities per 100,000 population



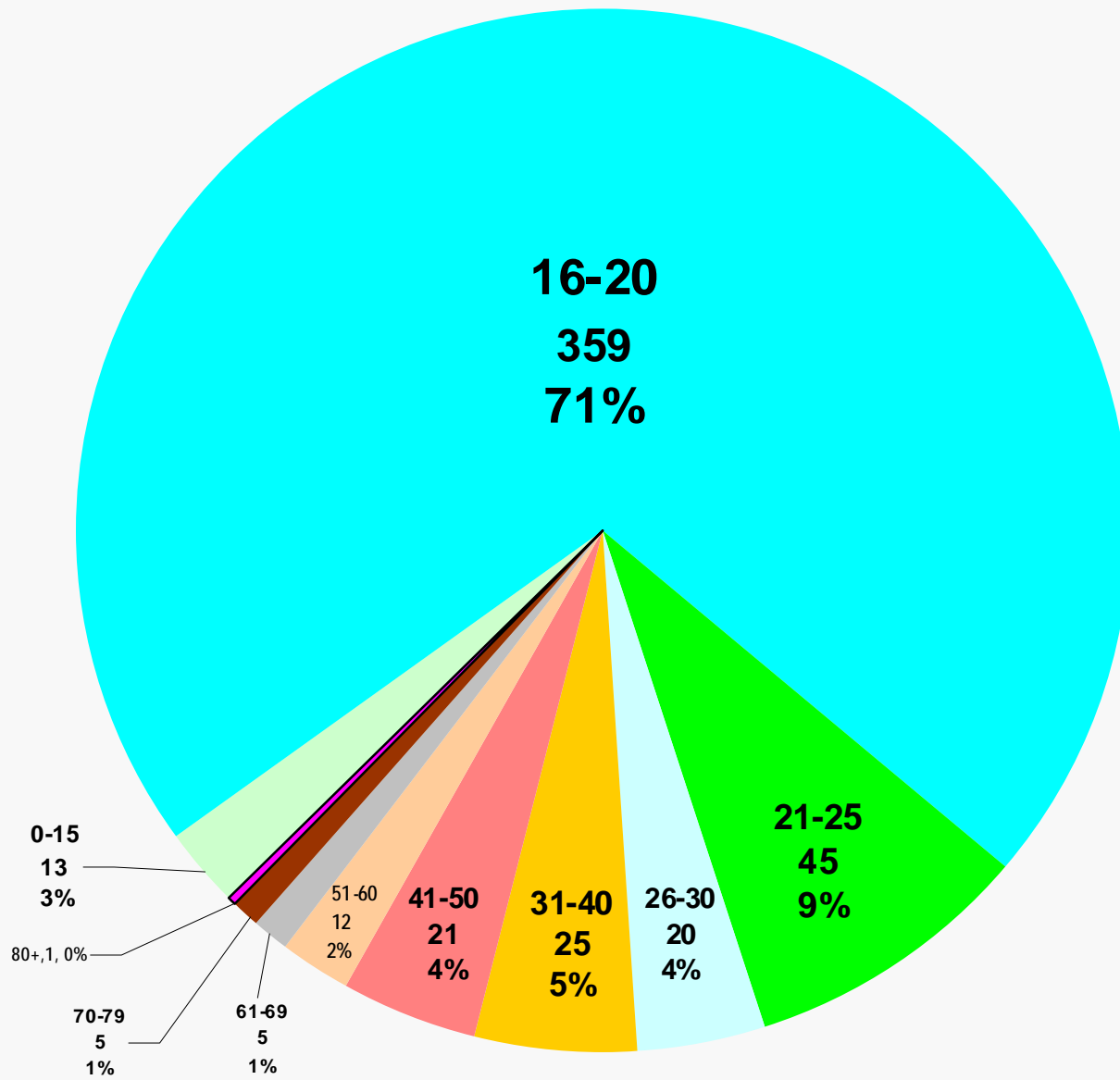
Traffic Fatalities Involving a Drinking Driver Age 16-20, WA 2001-2008

304 total traffic fatalities involving a drinking driver age 16-20

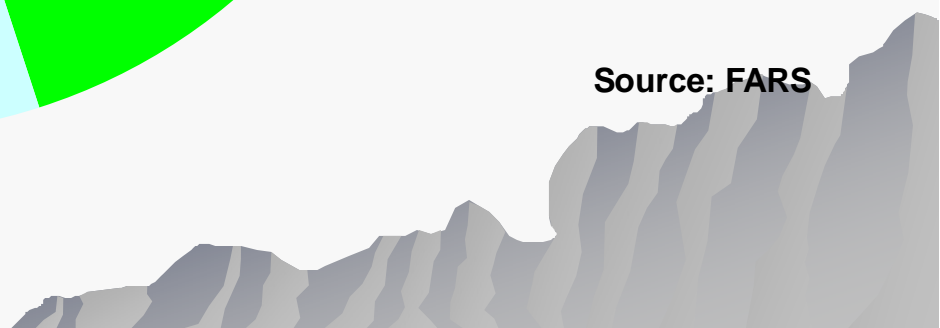
Source: FARS



**WASHINGTON
FATALITIES
in CRASHES
INVOLVING
16-20 year-old
IMPAIRED
DRIVERS,
1999-2008
*By Victim Age***

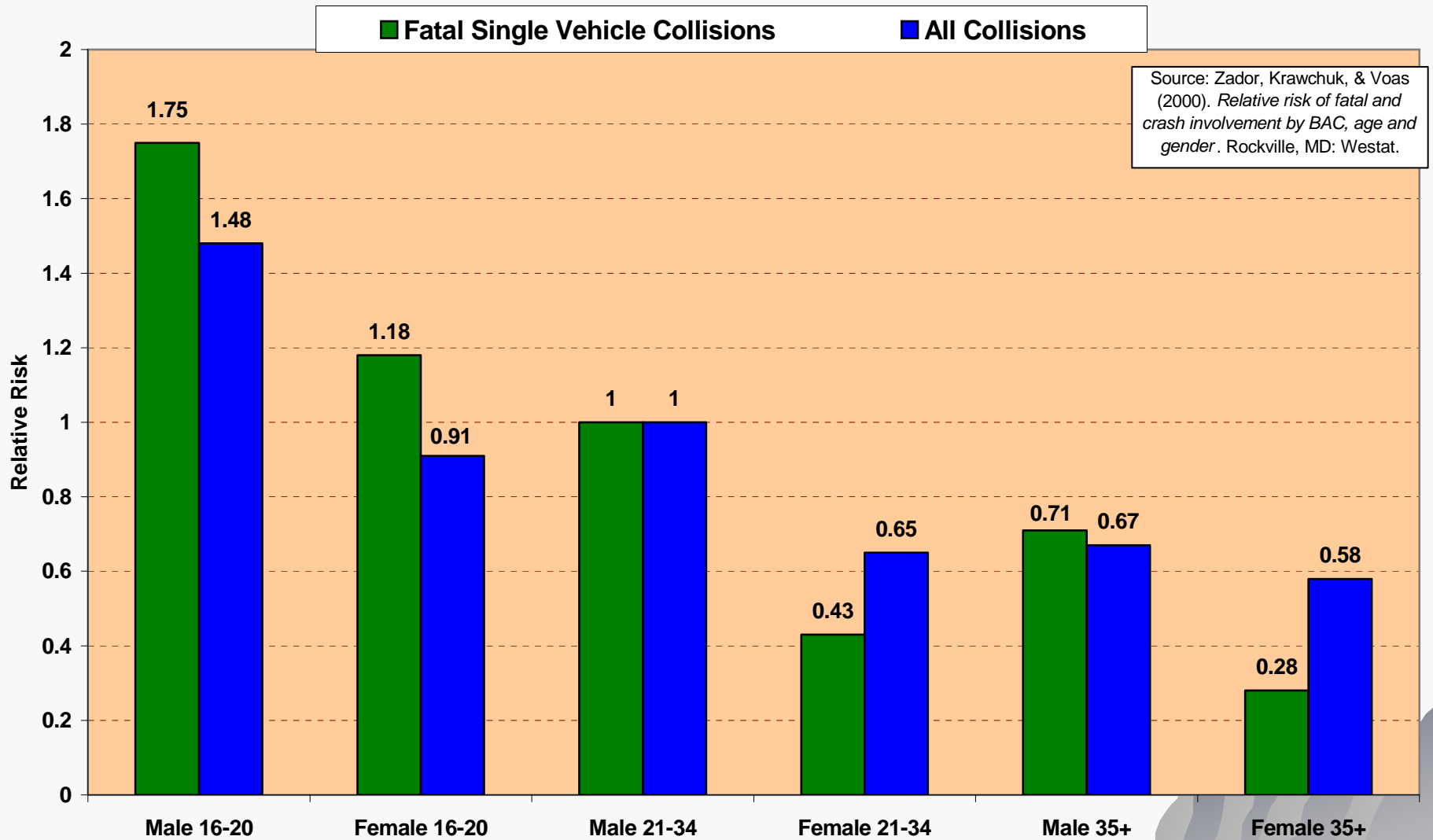


Source: FARS

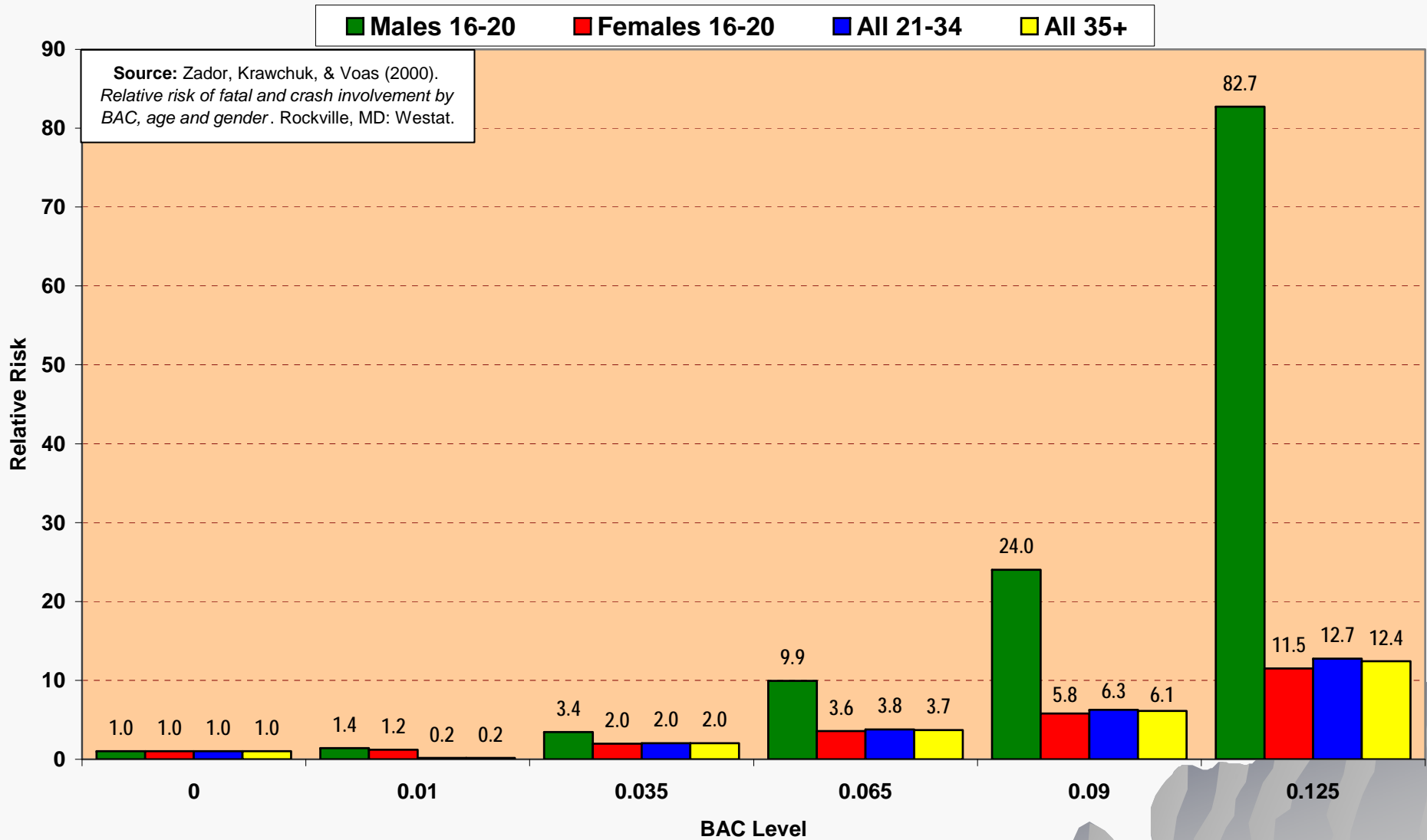


Collision Involvement Risk for Sober Drivers by Age Group

Relative to Males, aged 21-34



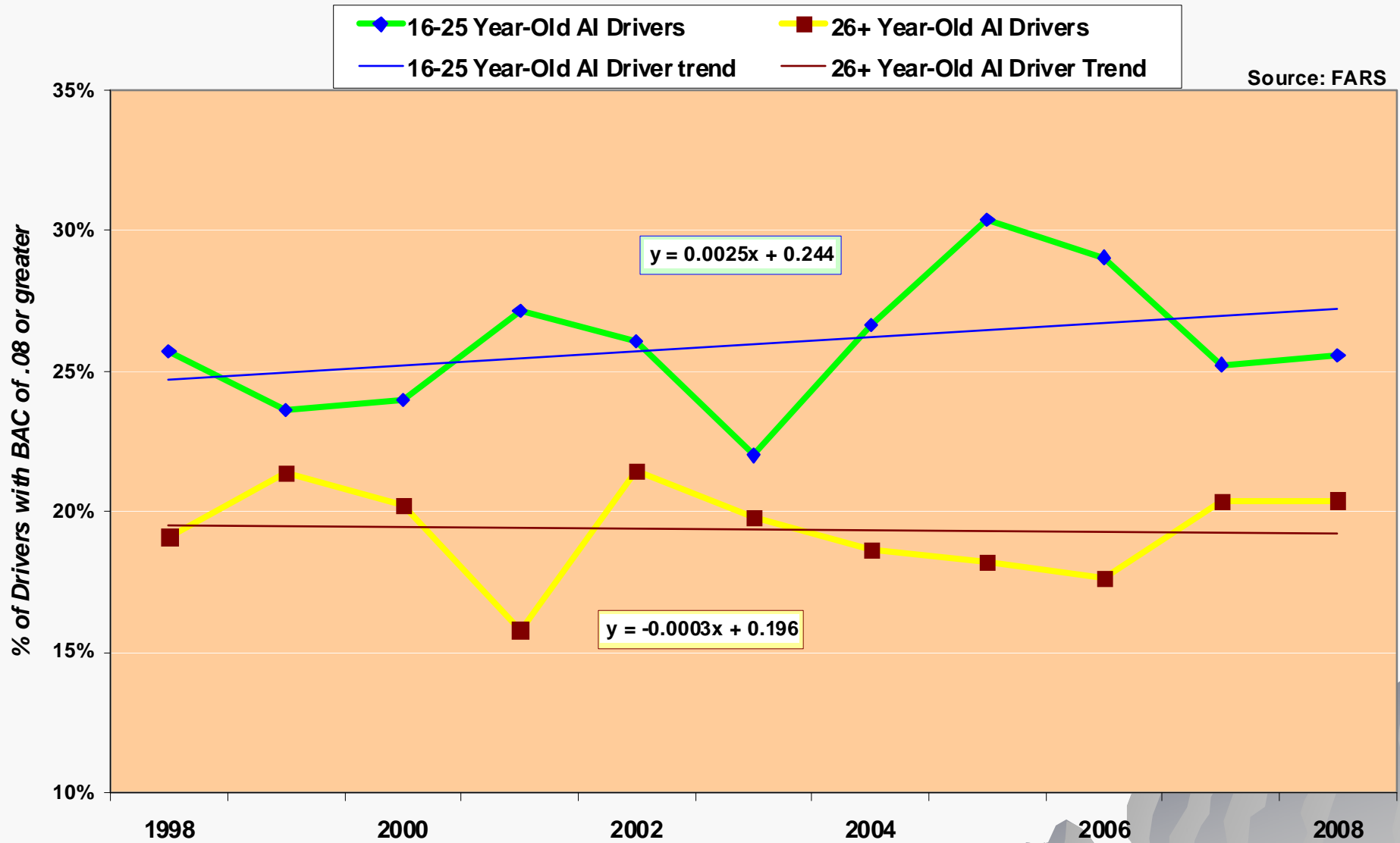
Relative Risk of Collision Involvement by BAC and Age



Alcohol-Impaired (AI) Drivers in Washington Fatal Crashes, 1998-2008

By Year and Percent of Age Group with BAC ≥ 0.08

16-25 year-olds v. 21+ year-olds



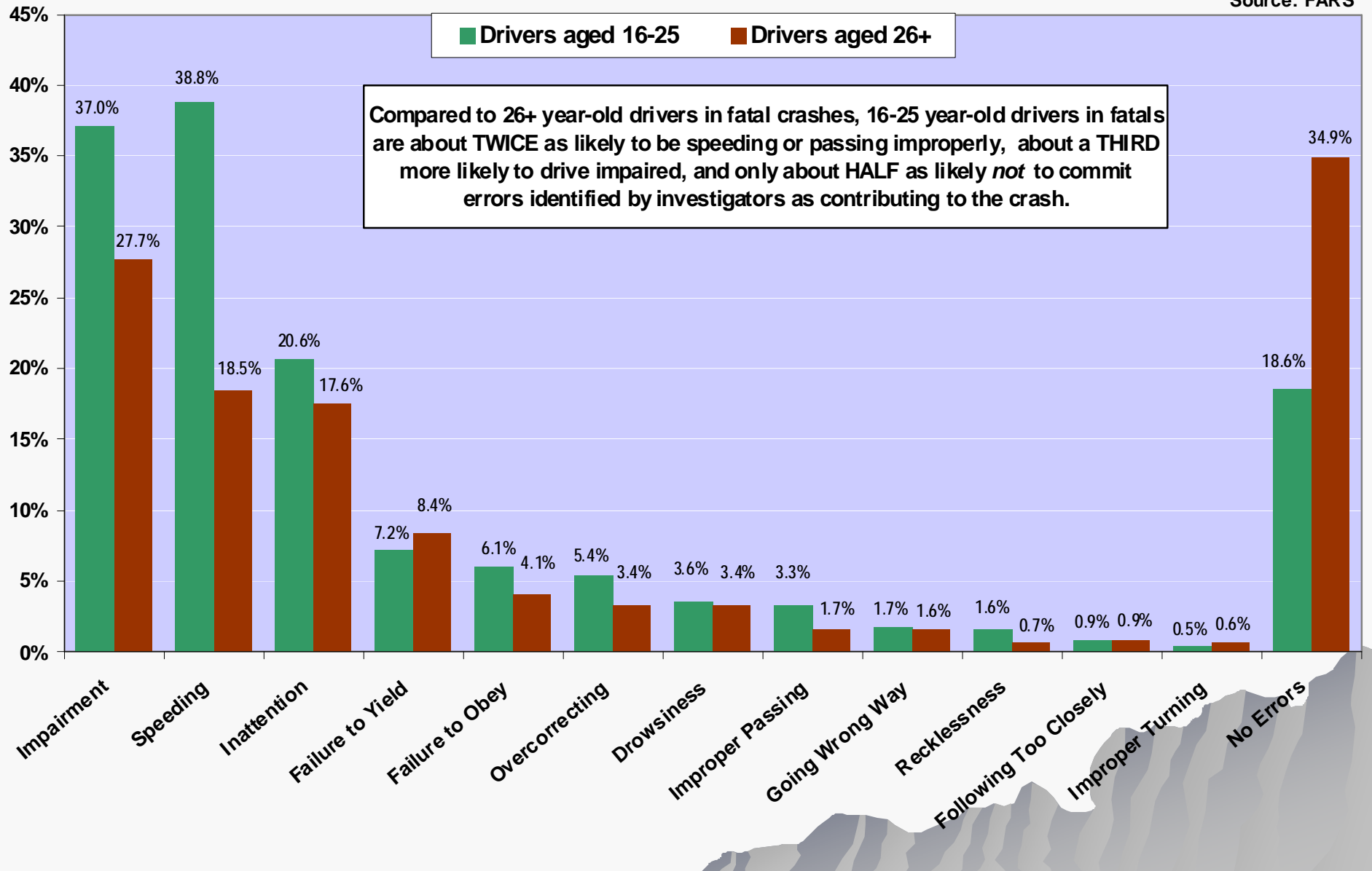
Source: FARS

DRIVER ERRORS IN WASHINGTON FATAL CRASHES, 1999-2008

By Age Group, 16-25 year-olds vs 26+ year-olds

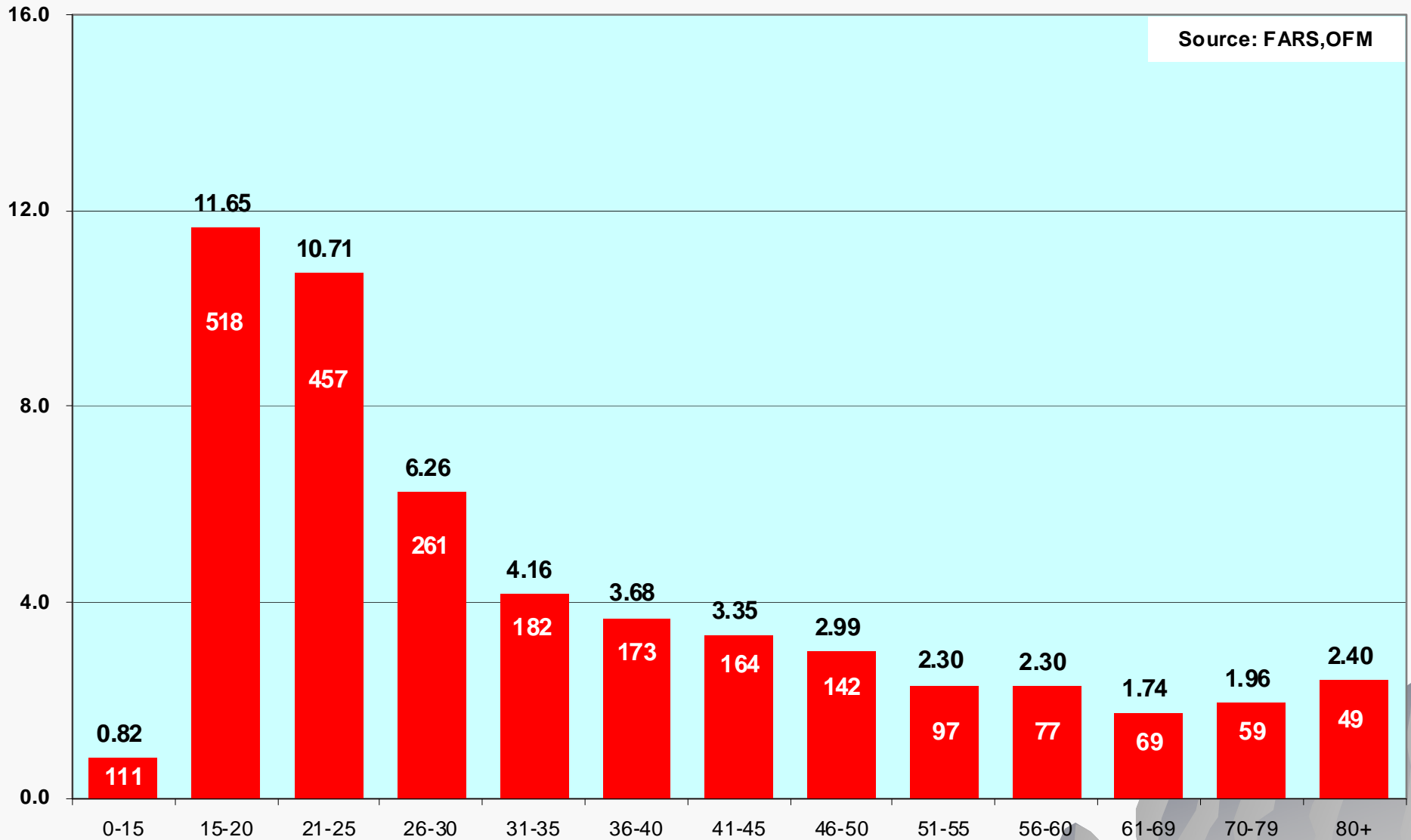
By percentage of age-group drivers in fatal crashes

Source: FARS



WASHINGTON SPEEDING-RELATED FATALITY RATES, 1999-2008

By Age Group, *S-R Fatalities per 100,000 population*



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