

Injuries as a threat to the public health: selected issues

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Injuries in California (2008)

Deaths

17,044



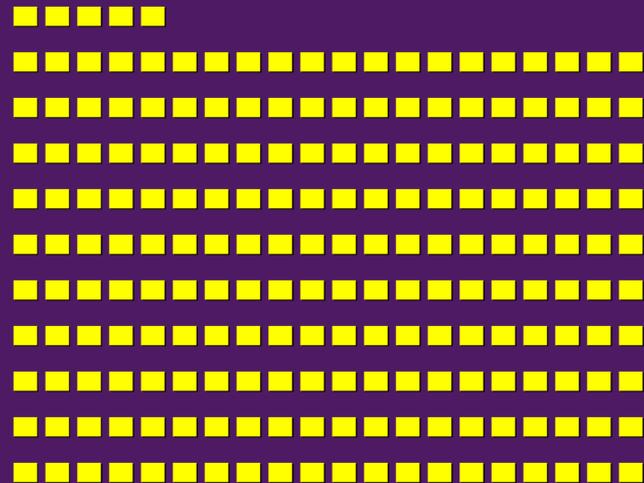
Hospitalizations

221,519



ED Treatments

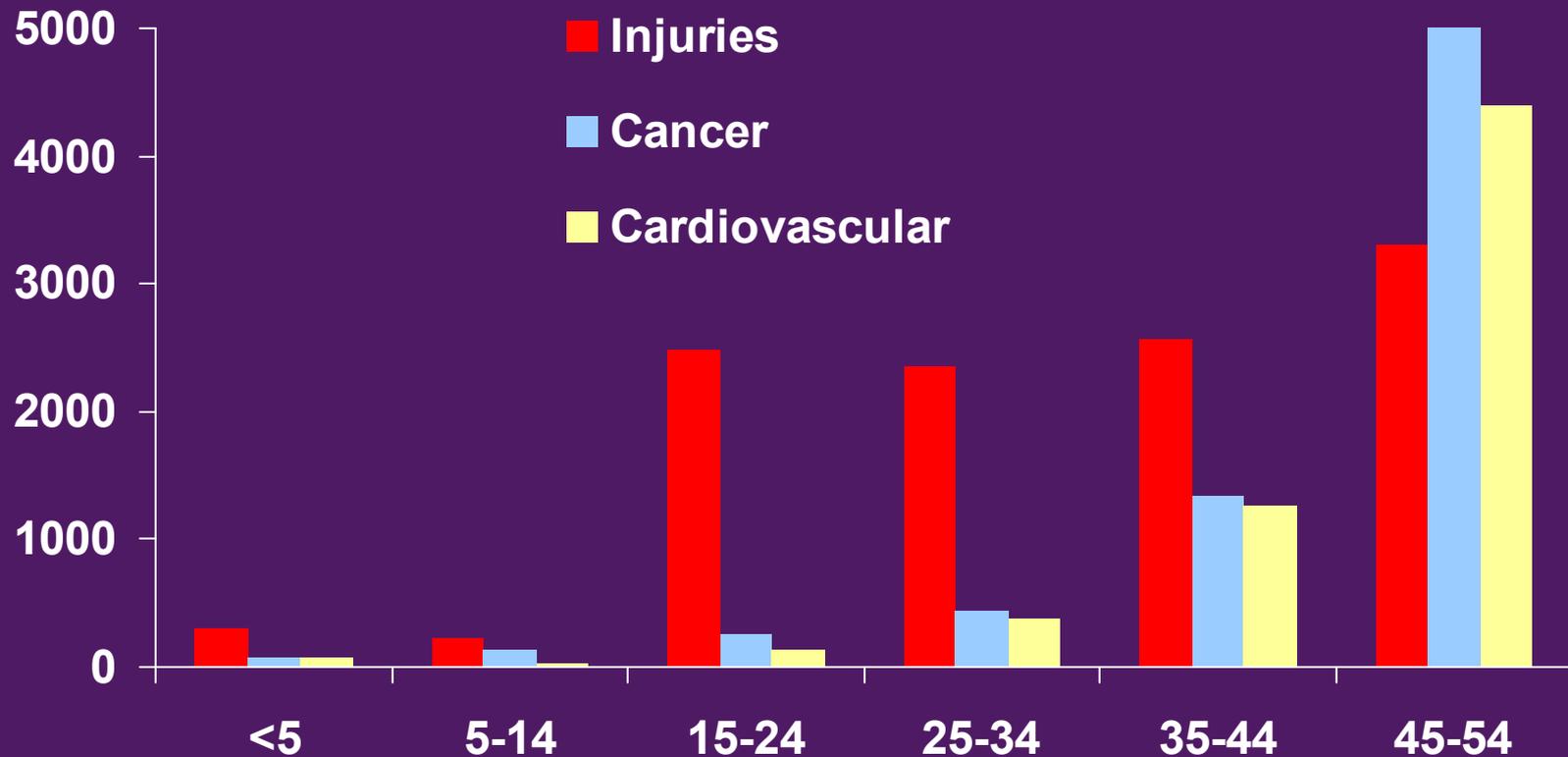
2,052,021



Total 2,290,584 = populations of
Long Beach plus
Sacramento plus
San Francisco plus
Oakland

Source: DPH death records and OSHPD patient files, EpiCenter Injury Data Query System.

Injuries far exceed major killers like cancer and cardiovascular disease in Californians under 40



Source: Death records, DPH Vital Statistics Query System

Injuries cause personal suffering and a huge economic drag

Estimated total lifetime costs for California injuries in one year: 2010

- \$14.5 Billion = Medical loss (EMS, hospital, rehab, outpatient, etc.)
- \$50.6 Billion = Productivity loss (wages, disability, etc.)

Source: The Incidence and Economic Burden of Injury in the U.S. (Finkelstein, Corso, Miller)

National estimates applied to California. Dollars indexed for inflation to 2010

Injuries in California—2008

Top five causes

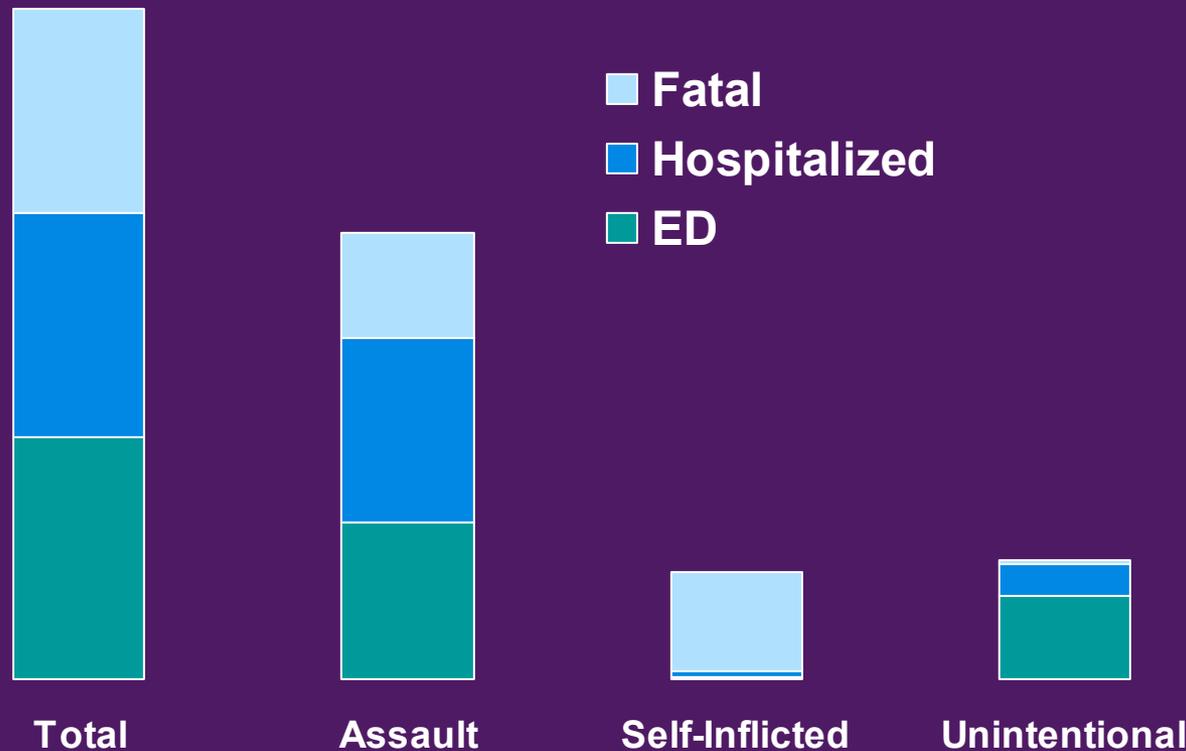
	Deaths (78% of all)	Hospitalizations (76% of all)	ED treatments (64% of all)
1	Self-inflicted 3,717	Fall 108,516	Fall 608,807
2	Poisoning (unintentional) 3,366	Self-inflicted 16,043	Struck by/against 263,865
3	Assault 2,199	MV Occupant 16,013	Overexertion 174,340
4	MV Occupant 2,059	Assault 13,616	MV Occupant 159,802
5	Fall 1,883	Poisoning (unintentional) 13,430	Assault 106,554

Source: DPH death records and OSHPD patient files, EpiCenter Injury Data Query System.

Violence

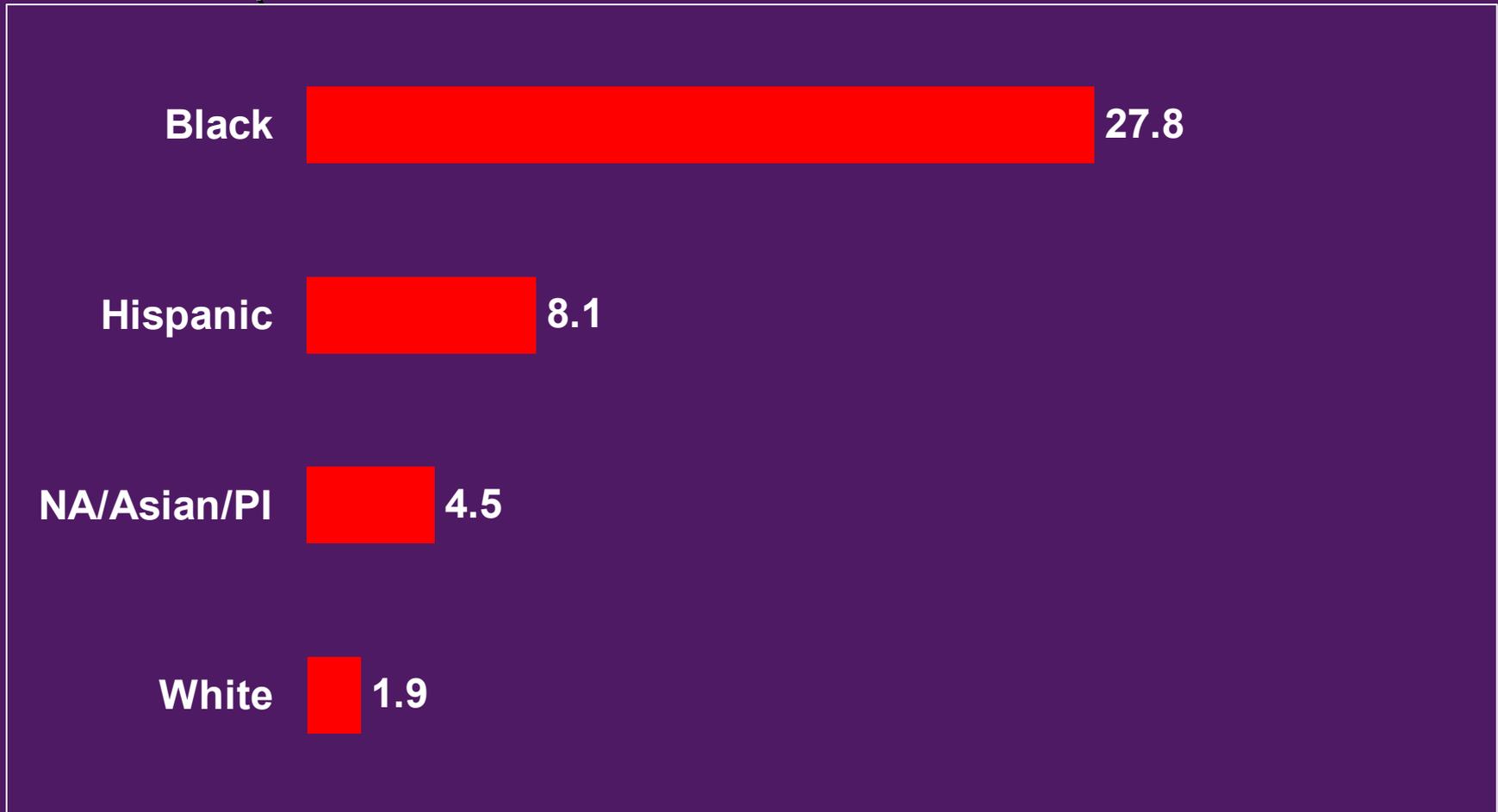
Gunshots killed or wounded 10,000 people in 2008, California

Total = 10,065



Source: DPH death records and OSHPD patient files, EpiCenter Injury Data Query System.

In Californians under 25, homicide risk is very high in blacks and Hispanics (rates/100,000, California, 2008)



Source: DPH death records, EpiCenter Injury Data Query System.

Child abuse and neglect in California

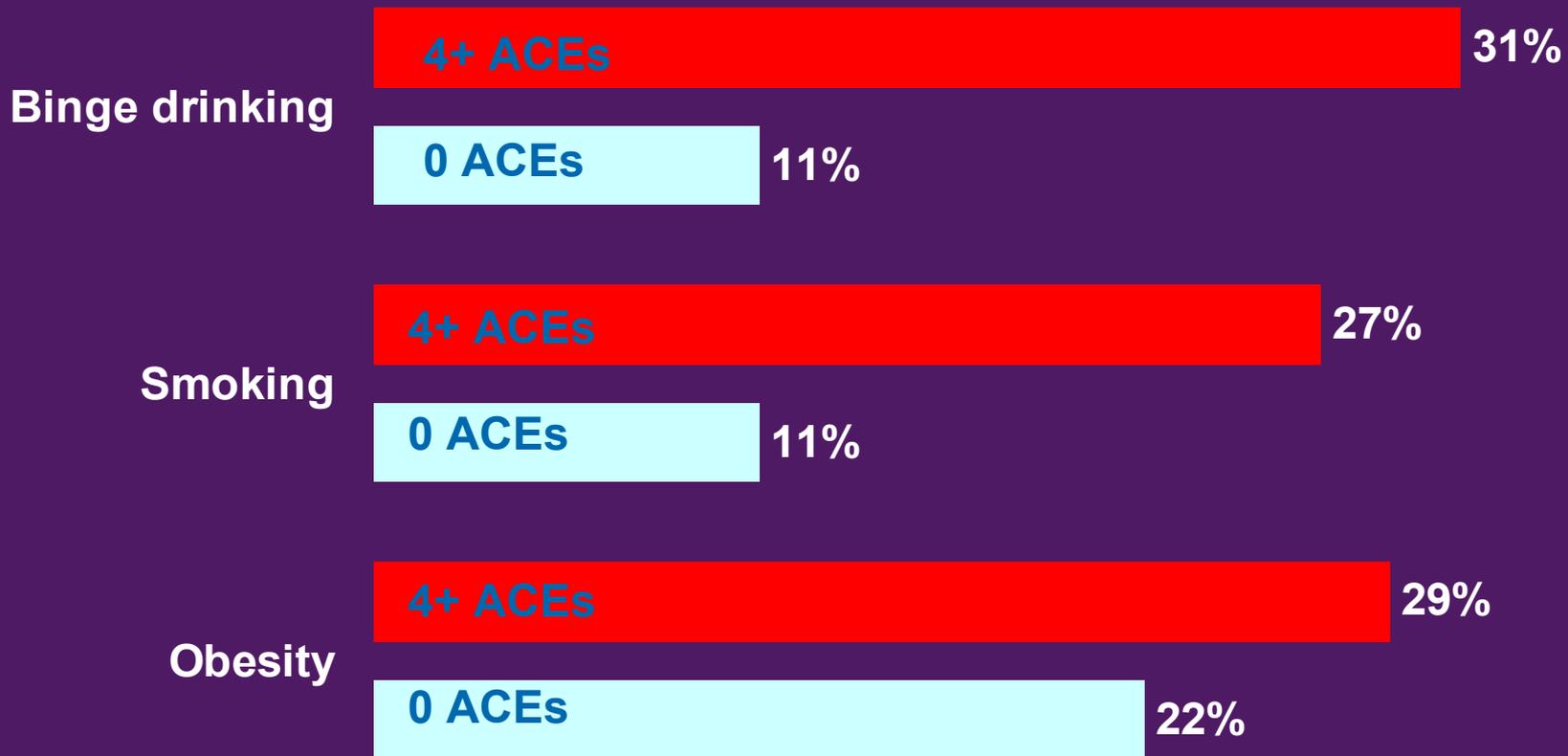
Child Protective Services referrals in 2008

470,000



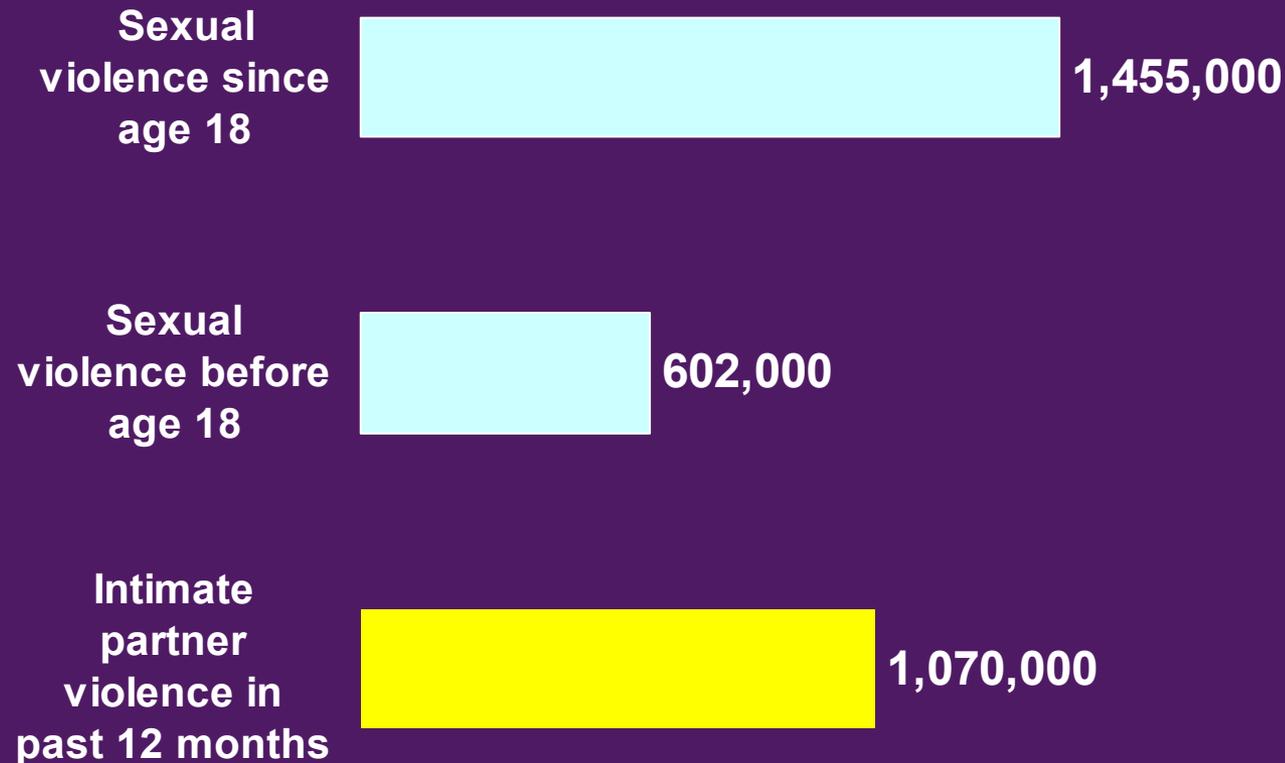
Source: Department of Social Services, and DPH Fatal Child Abuse and Neglect Program

Adverse Childhood Events (ACEs) have lifetime health impacts. ACE's include a child's exposure to abuse/neglect, divorce, alcohol/drug abuse, death, imprisonment, etc. Adults with a history of ACEs have poorer health habits



Source: DPH 2008 California Behavioral Risk Factor Surveillance Survey

In surveys, many California women report sexual & intimate partner violence



Source: DPH 2008 Women's Health Survey, SAC Branch Violence Against Women Programs

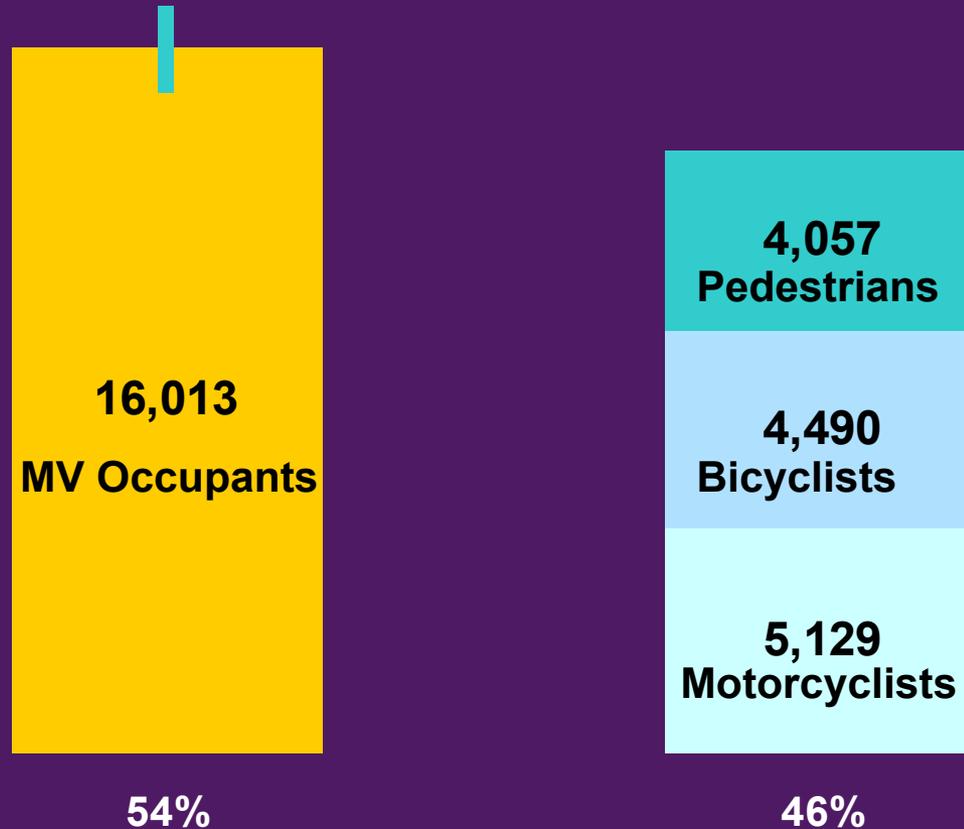
Alcohol and drugs are common in toxicology-tested victims of homicide and suicide, 14 California counties, 2009 (many victims test + for >1 substance)

<u>Homicide</u>	<u>Suicide</u>
34% Alcohol	31% Alcohol
21% Marijuana	8% Antidepressants
6% Cocaine	7% Opioids
5% Amphetamines	2% Amphetamines
2% Opioids	2% Cocaine
1% Antidepressants	2% Marijuana

Source: California Electronic Violent Death Reporting System, EpiCenter Injury Data Query System

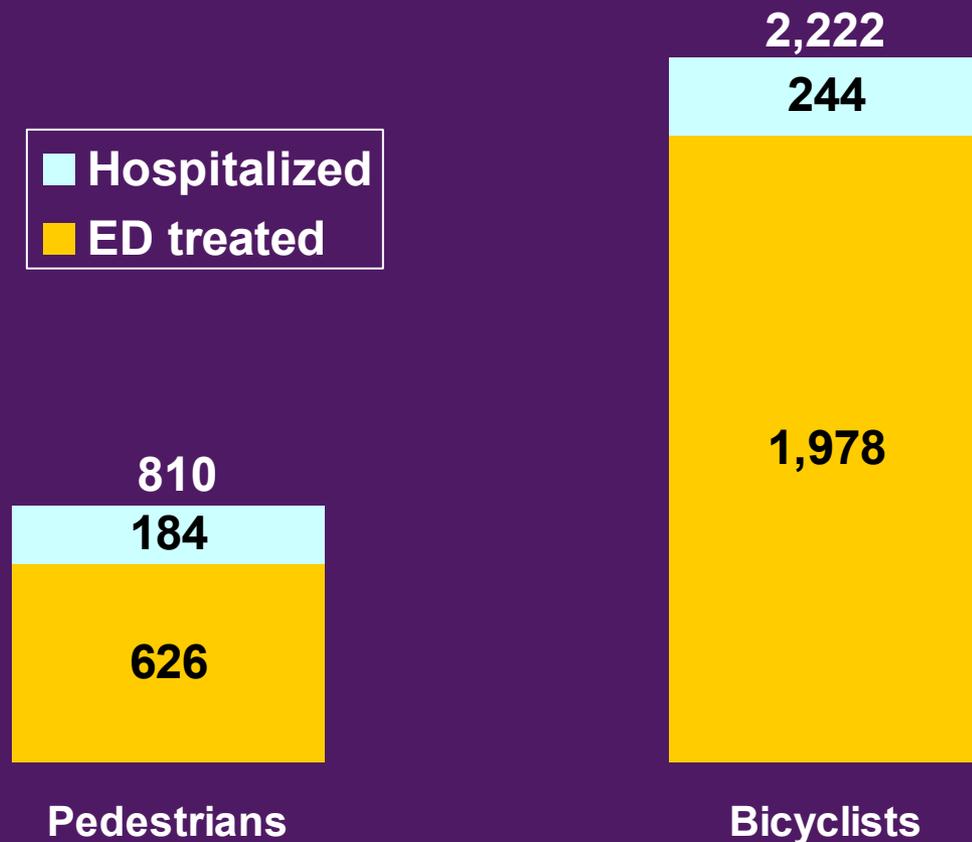
Road / mobility injuries

Pedestrians, bicyclists, and motorcyclists account for nearly as many hospitalized injuries as do motor vehicle occupants.



Source: OSHPD patient files, EpiCenter Injury Data Query System.

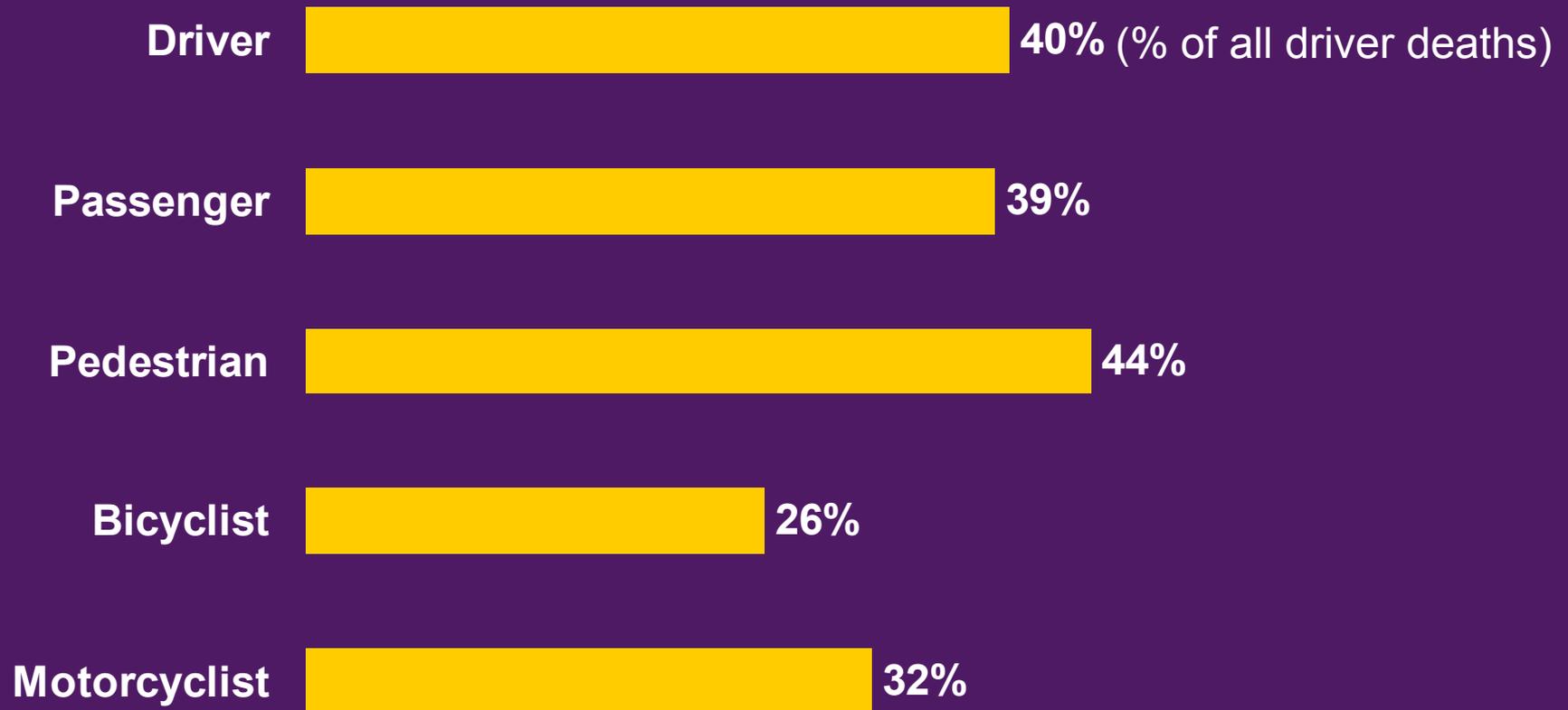
In 2008 in California, 810 pedestrians and 2,222 bicyclists were treated in emergency rooms or hospitals



California is among the top 25% of states with high pedestrian and bicyclist death rates.

Source: DPH death records and OSHPD patient files, EpiCenter Injury Data Query System.

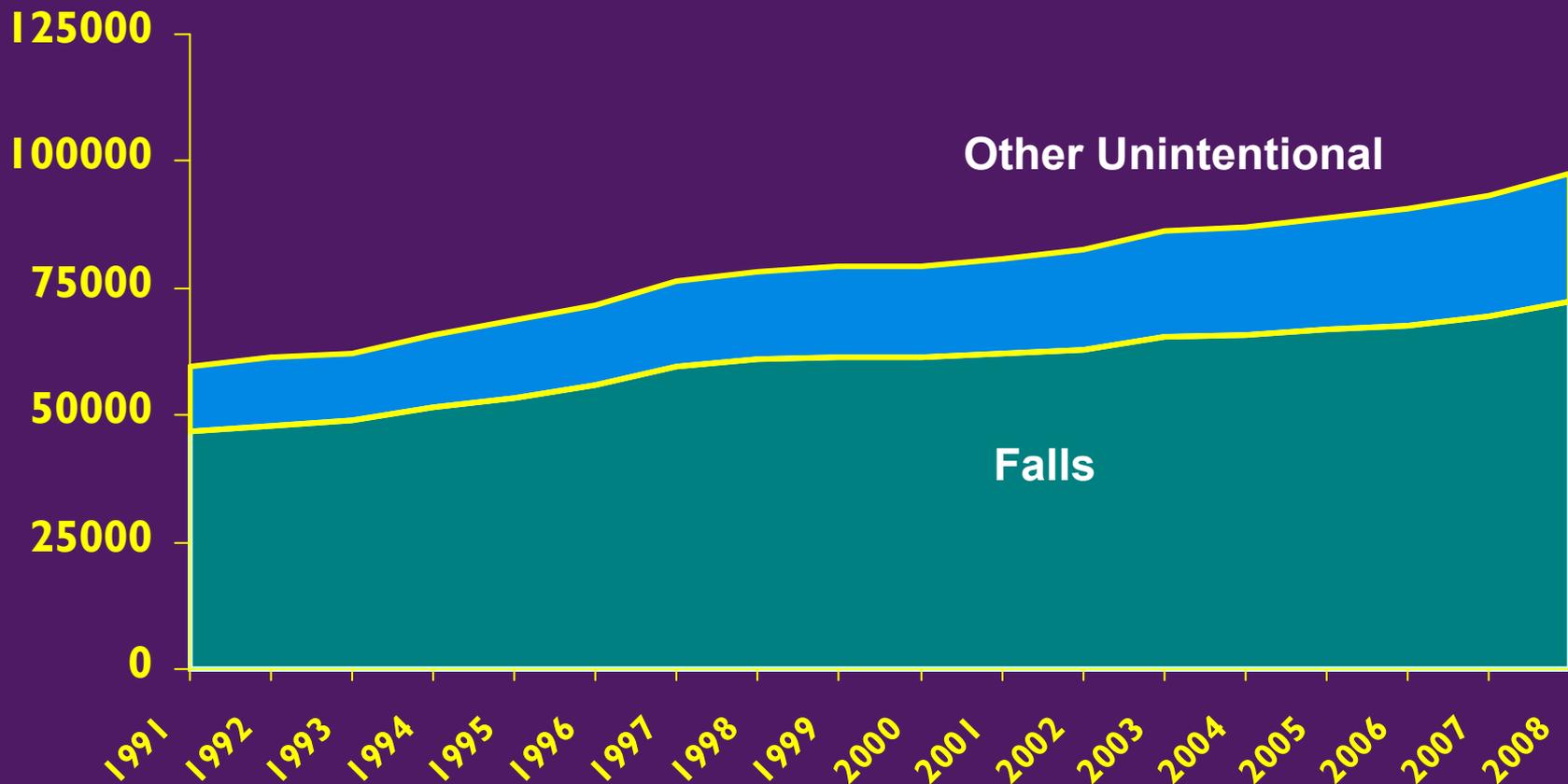
Alcohol-related crashes killed 1,355 persons on California roads in 2008 (many of the victims were not the person who had been drinking).



Source: CHP, California Statewide Integrated Traffic Records System

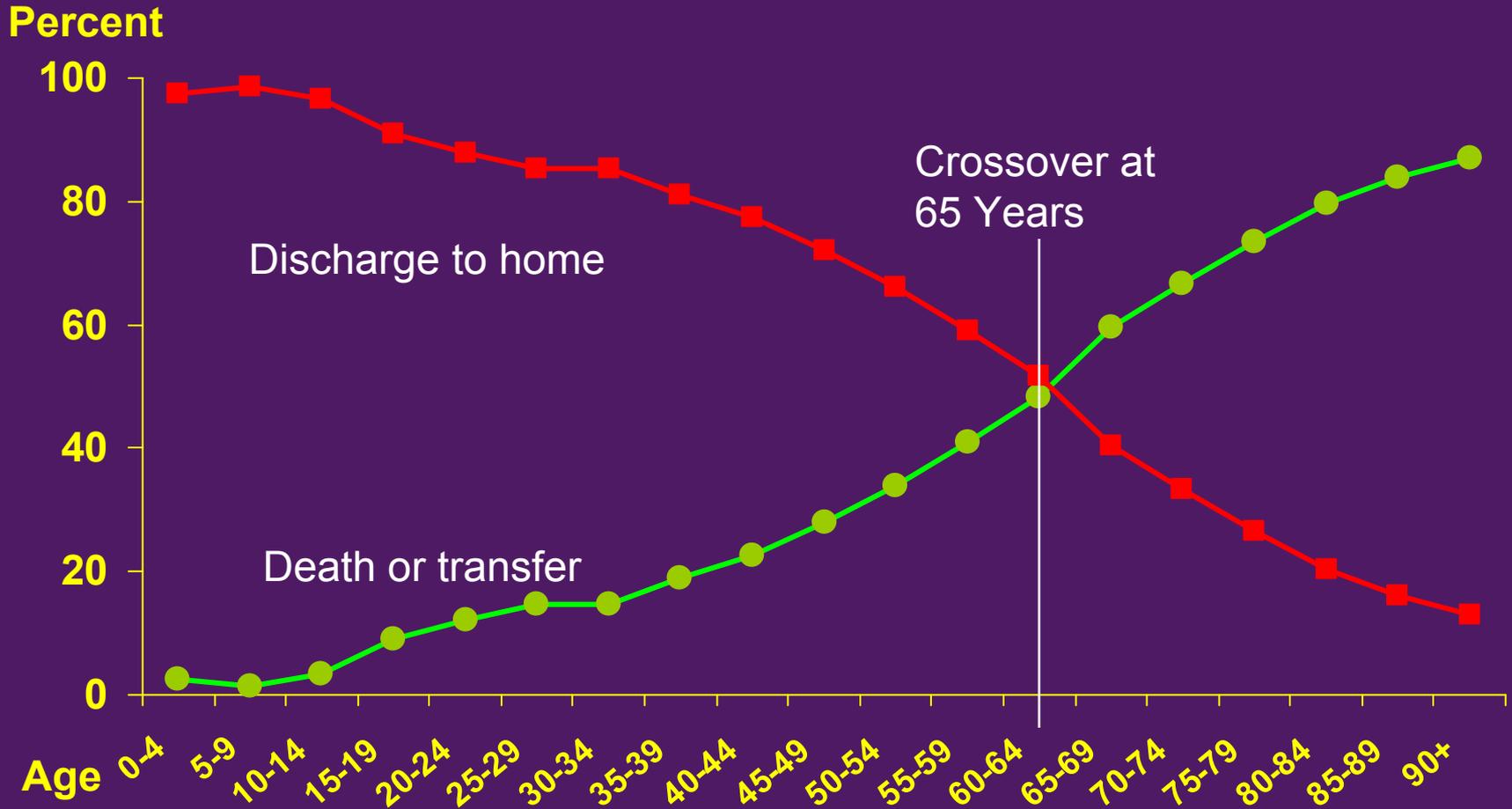
Senior Falls

Falls lead a rapid rise in injury hospitalizations among California seniors (age 65+ years)



Source: OSHPD patient files, EpiCenter Injury Data Query System.

After age 65, less than half of California seniors injured in a fall are discharged home



Source: OSHPD patient files, EpiCenter Injury Data Query System.