

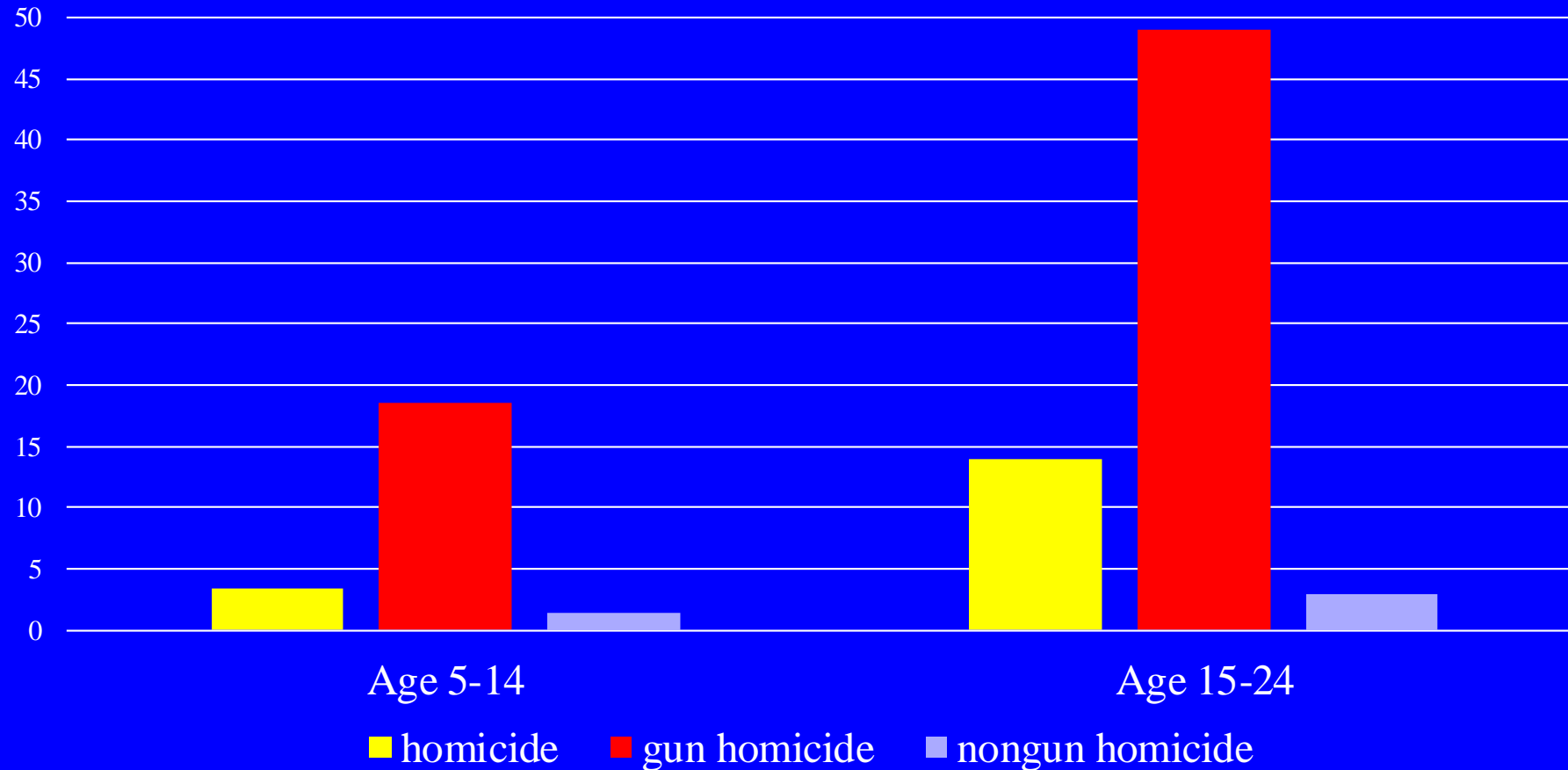
# **Data to Guide Solutions to Gun Violence in America**

Daniel W. Webster, ScD, MPH

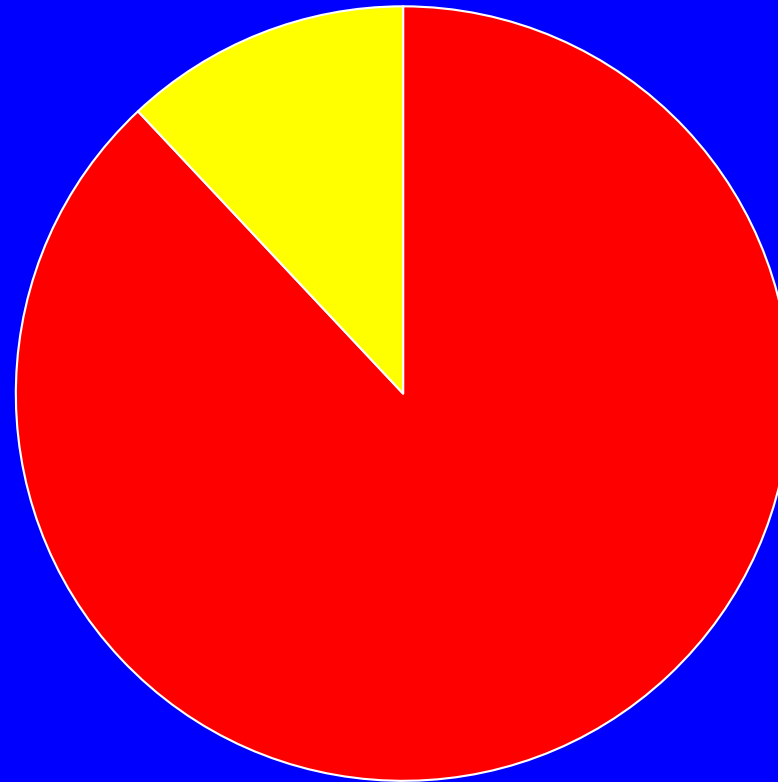
Bloomberg Professor of American Health

Dir., Johns Hopkins Center for Gun Policy and Research

# Ratio of US youth homicide rates to mean of other high-income nations, 2010

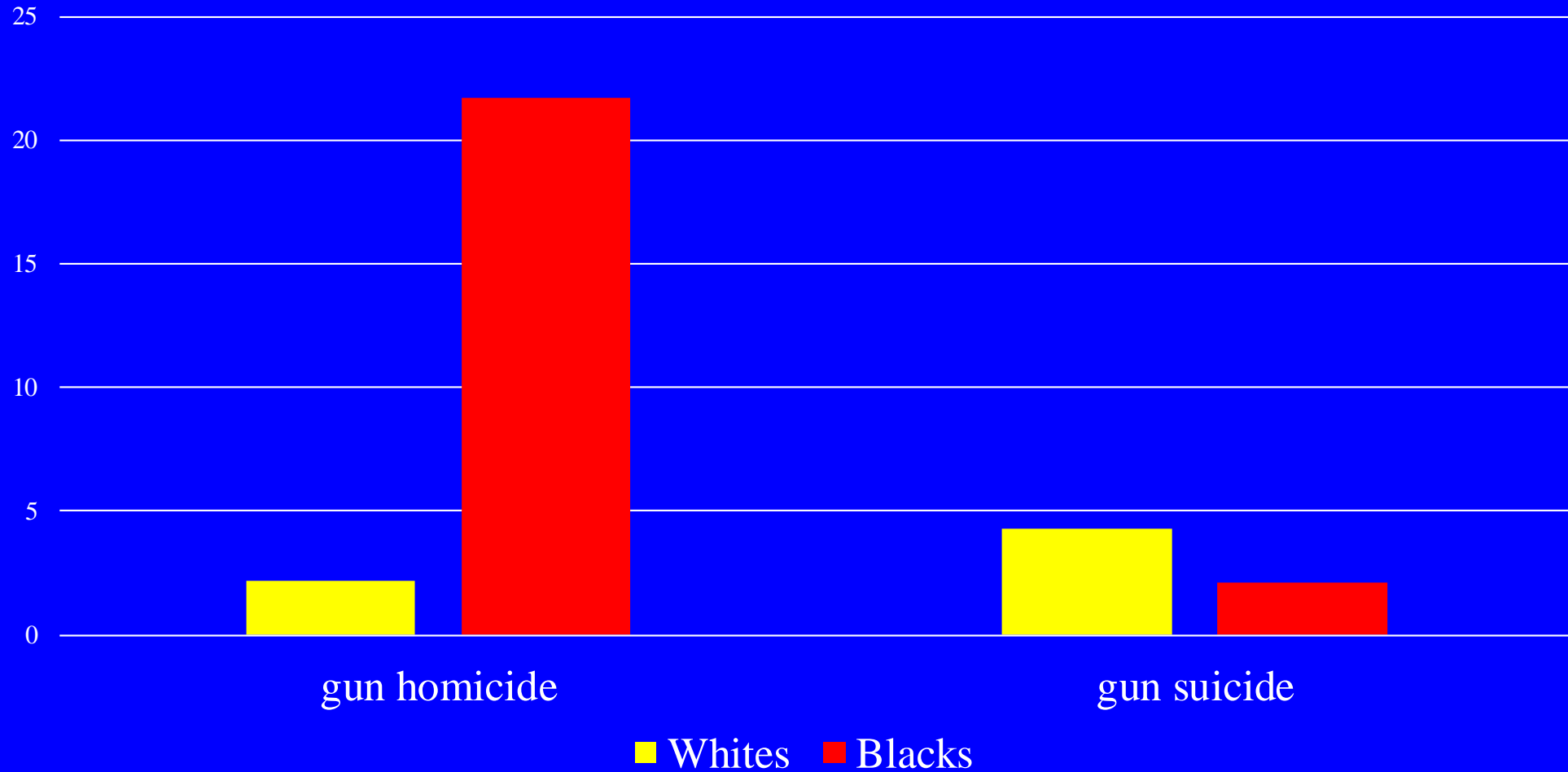


88% of US homicide victims ages 14-18  
years die by gunfire



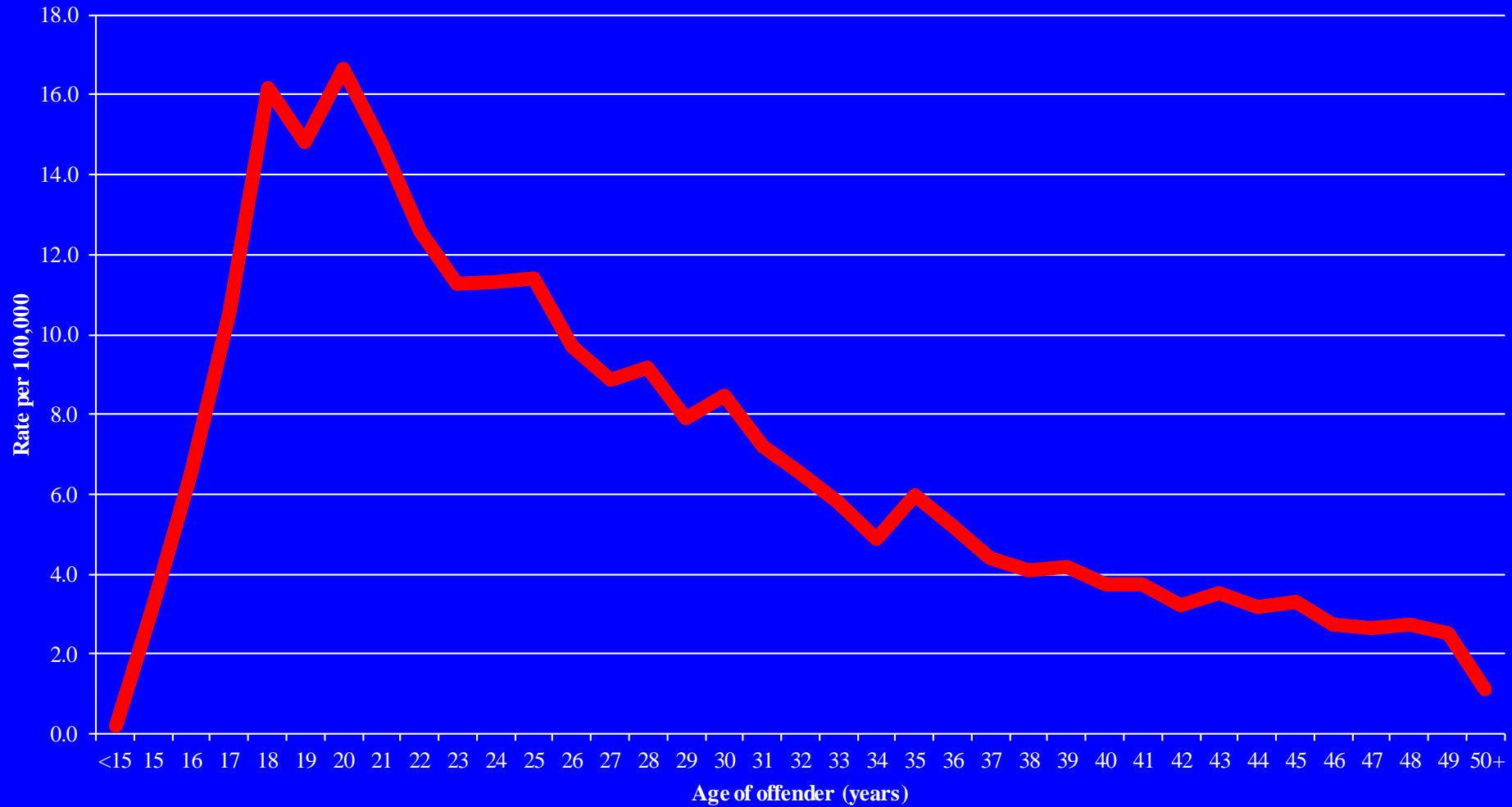
■ Firearms ■ Other means

# Homicide and suicide rates with guns in U.S. ages 14-18 years by race



# **The Importance of Standards for Legal Gun Ownership**

# Age-Specific Homicide Offending Rates



# Beer vs. Guns: Which is more dangerous in the hands of 18-20 year-olds?

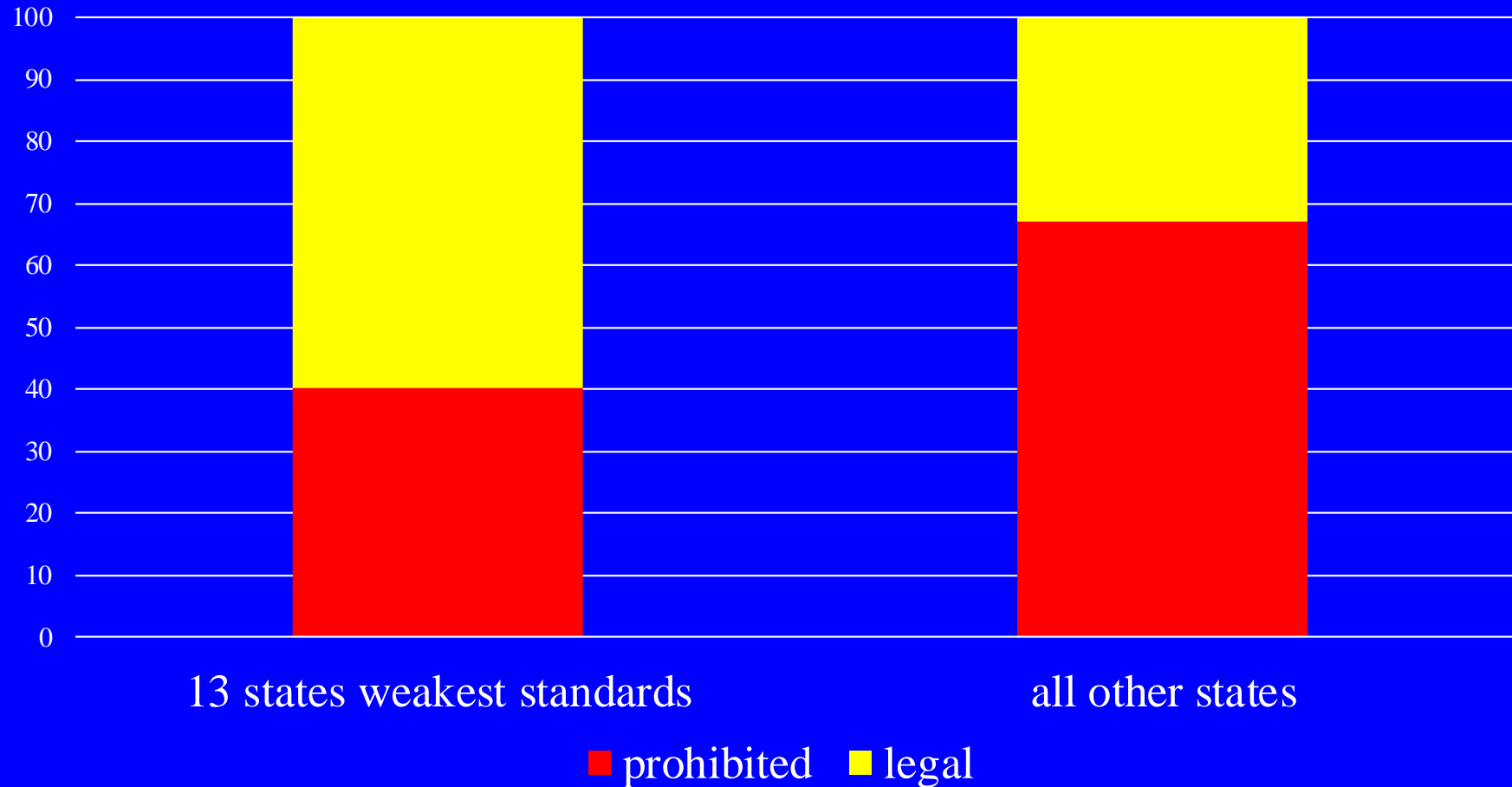
- 50 states and DC set 21 as minimum legal age for alcohol consumption.



- 12 states and DC set 21 as minimum legal age for handgun possession.

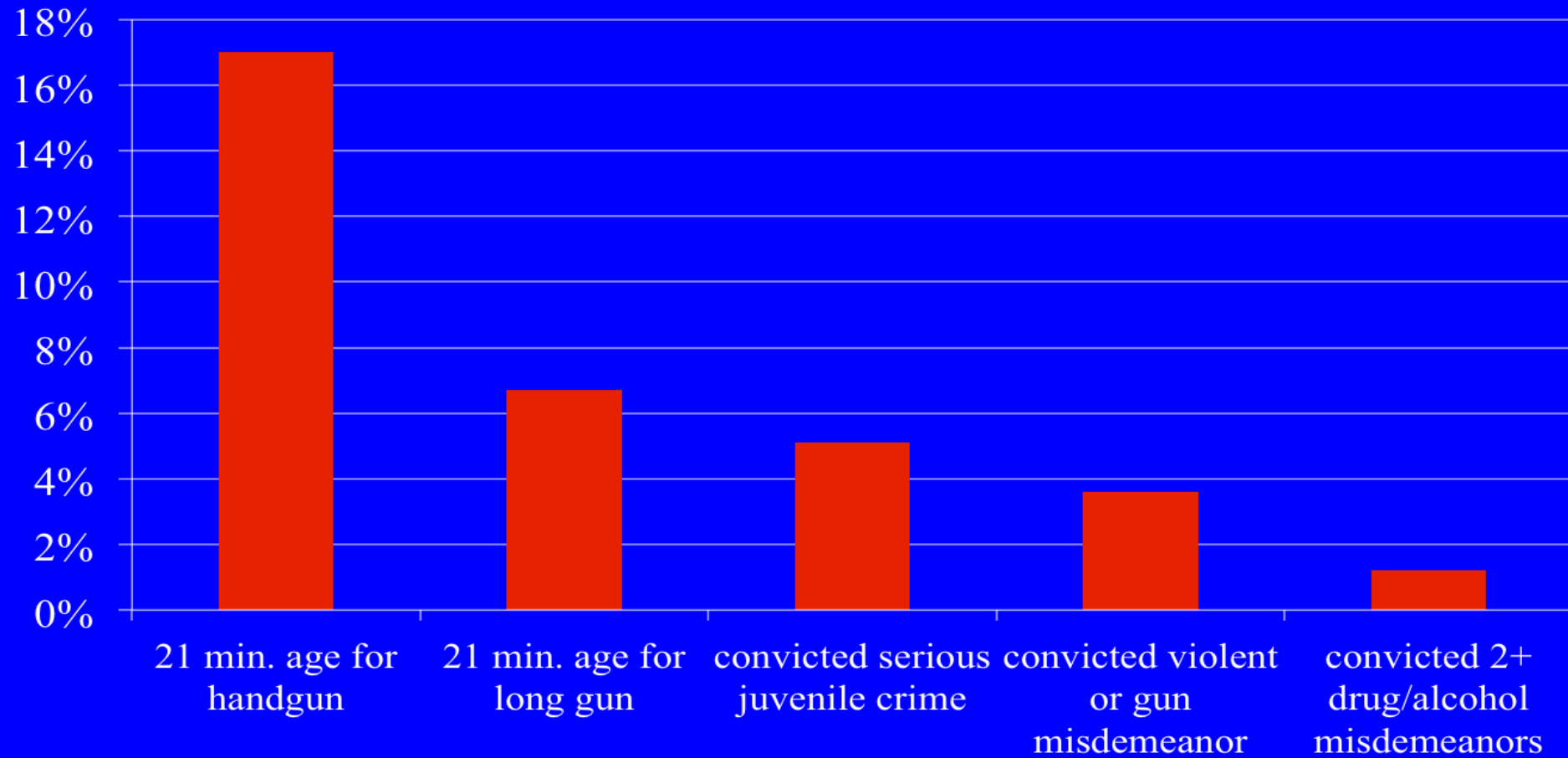


# % of persons incarcerated for violent crimes with guns prohibited vs. legal gun owners



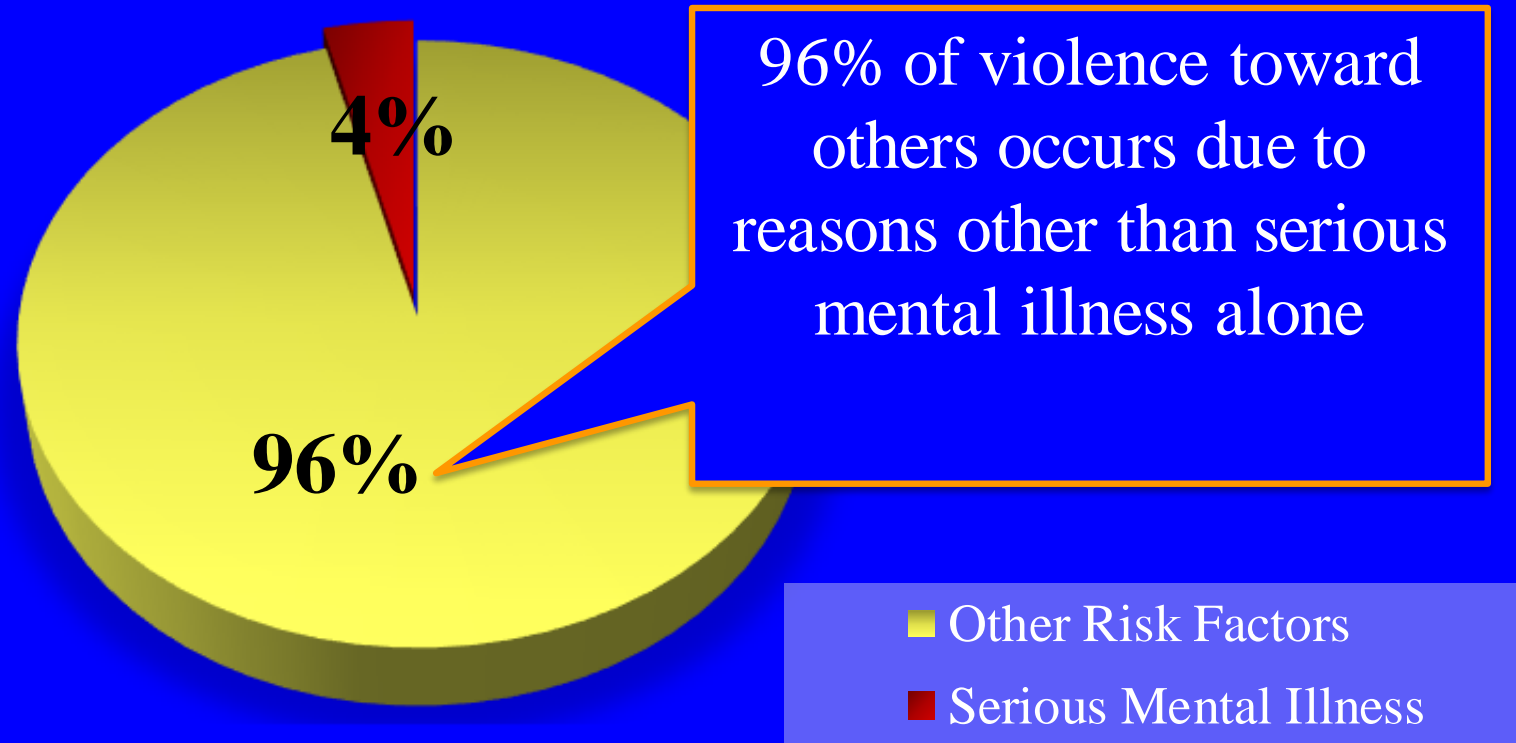


Percentage of gun offenders who were legal gun possessors in states with weakest standards and the conditions which would have prohibited their gun ownership in states with strict standards. Vitti et al., 2013.



**BUT: Serious mental illness, on its own, contributes very little to overall violence towards others (a much bigger risk factor for suicide)**

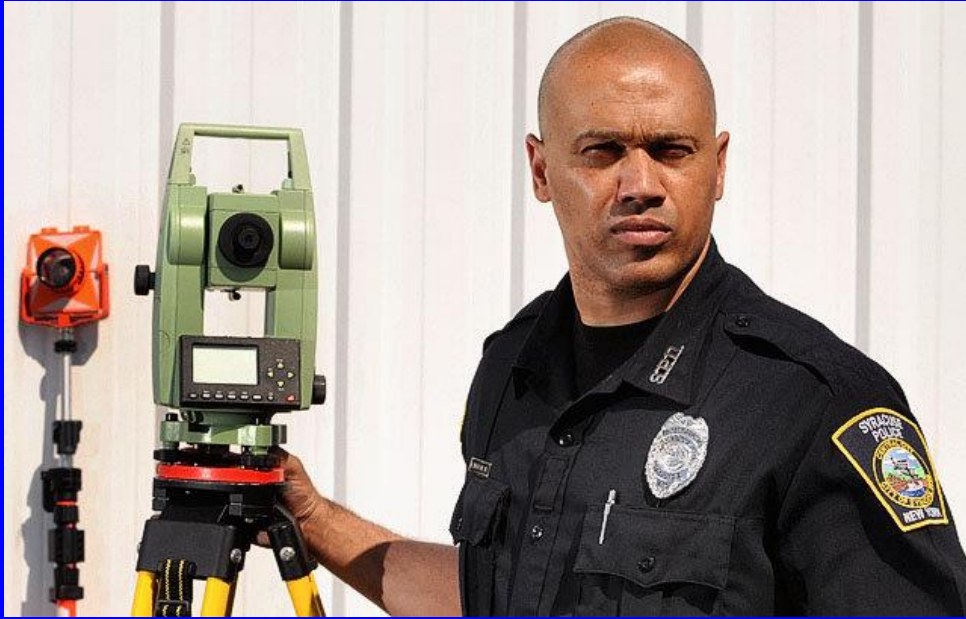
**Population Attributable Risk of Minor or Serious Violent Behavior Towards Others:**



## **Recommendations to expand disqualifying conditions for firearms - *Consortium on Risk-Based Firearm Policy***

- Convictions for:
  - Misdemeanor violence – (-29% violence, -25% IPH)
  - 2+ alcohol abuse violations within 5 years (no data)
- Temporary restraining orders for domestic violence (-16% IPH)
- Extend DVRO firearm protections to dating partners (-14% IPH)
- Extreme Risk Protection Order laws (CT, IN, CA, WA, OR) –  
Reduced suicide risks (Swanson 2017)

# **Policies to Keep Guns from Prohibited Persons**



### GUN STORE FOUNDERS



Mick Beatovic, former co-owner of Badger Guns & Ammo and Badger Outdoors, in 2007



Walter Allan, former co-owner of Badger Guns & Ammo and Badger Outdoors, in 1999

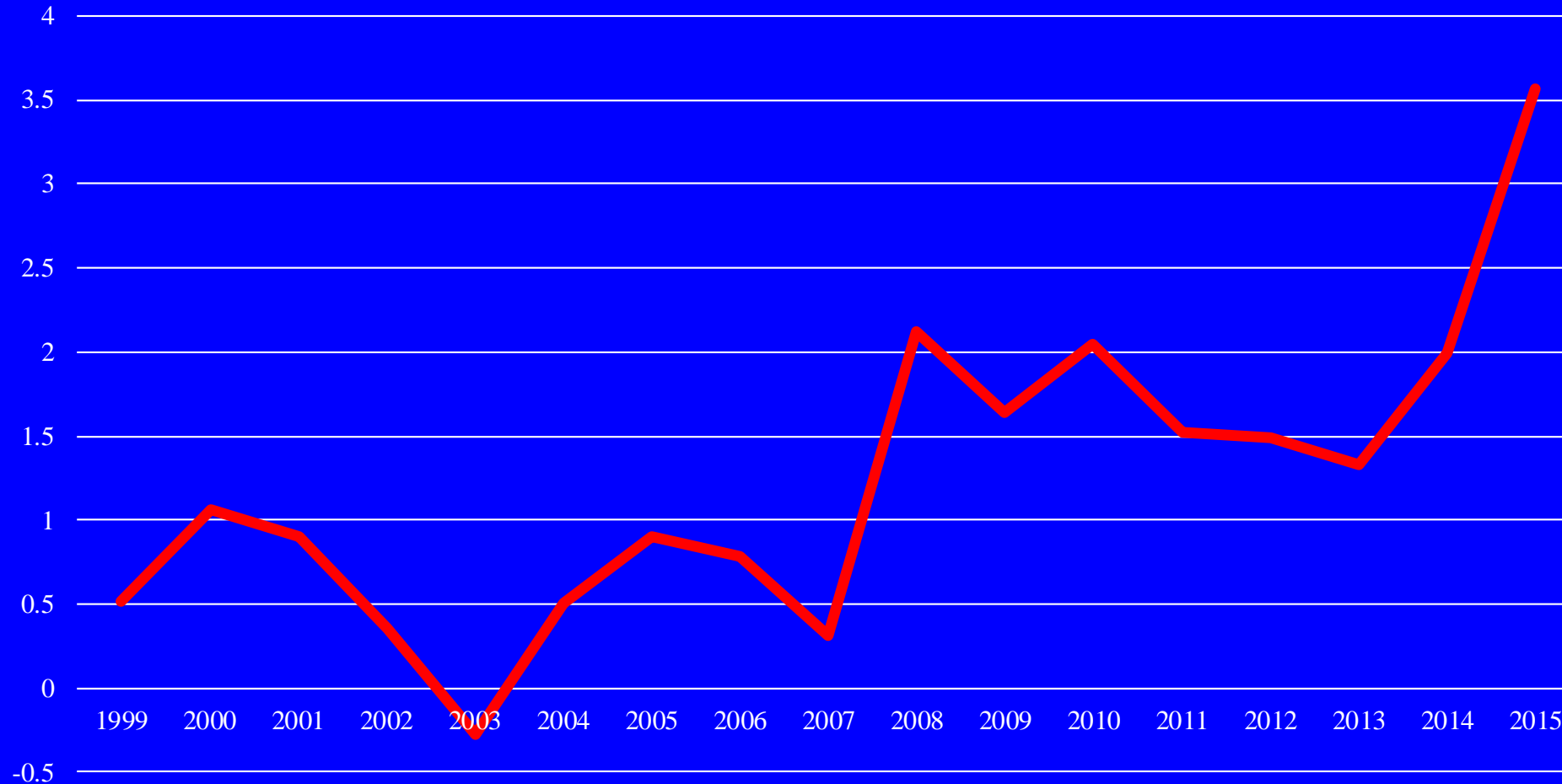


Curtis Beatovic, former Badger Guns & Ammo co-owner, in 1999

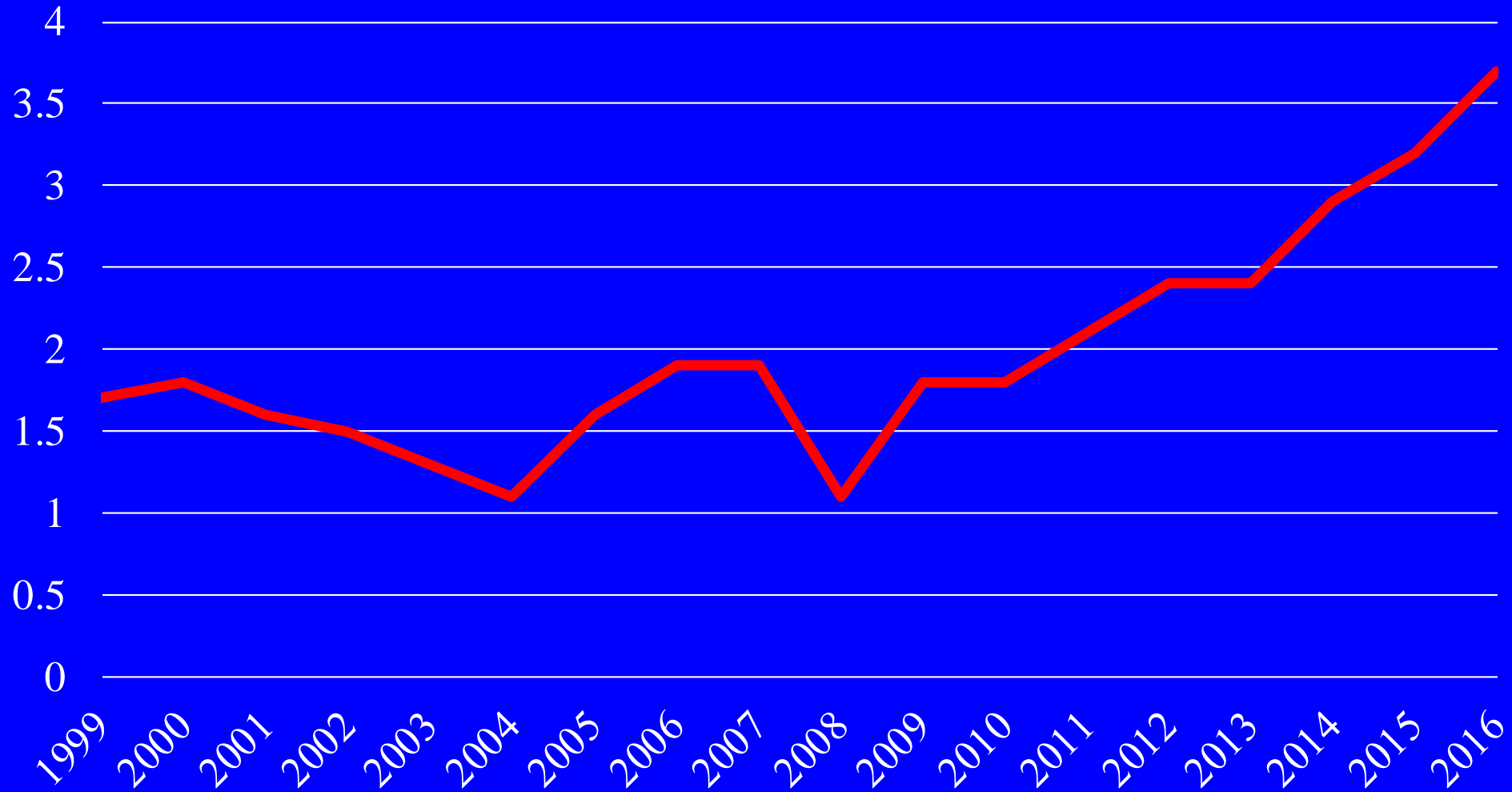
## Changes in Handgun Sales Regulation in Missouri after Permit-to-Purchase Law was Repealed

- After Aug. 28, 2007, private handgun sales no longer require background checks or record-keeping.
- Applications to purchase handguns no longer involve trip to local sheriff's office. Just apply through gun dealer who will profit from the sale.

# Difference between Missouri and rest of US firearm homicide rates, 1999-2015



# Difference between Missouri and rest of US firearm suicide rates, 1999-2016





# PTP repeal effects on homicides and suicides in Missouri

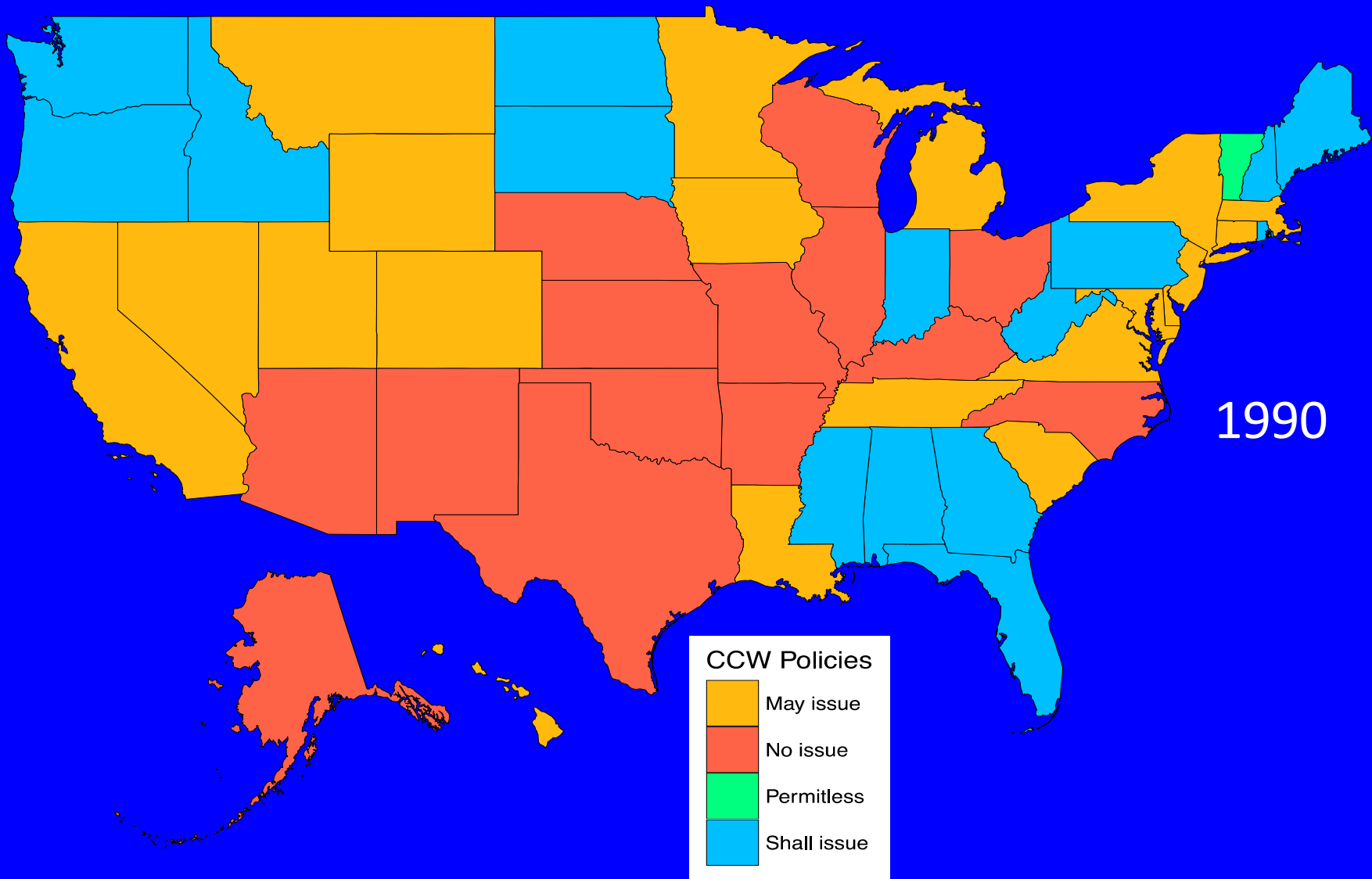
(Update to Webster et al., 2014)

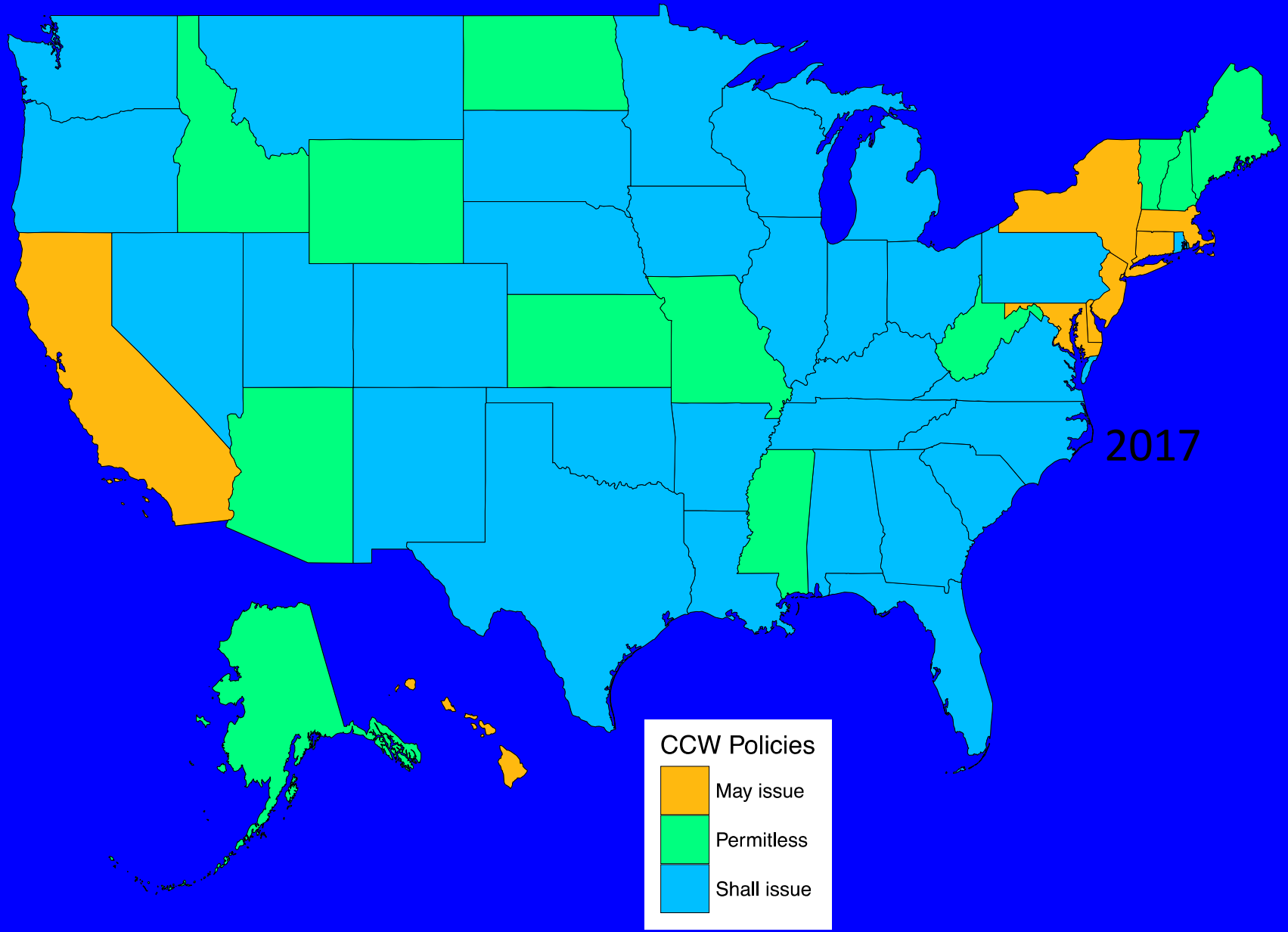
- Controlling for policing levels, incarceration, poverty, crime, unemployment, other policies, PTP repeal effect:
  - +20% firearm homicide rates (50 per year) – increased in all metro areas.
  - No state had larger increase in gun homicide rates.
  - no change in non-firearm homicide rate.
- Firearm suicide rate increased 16% (64 per year). No change in non-firearm suicides. Crifasi et al. 2016.

# Connecticut's Permit-to-Purchase Handgun Law Effects on Homicides

Rudolph, Stuart, Vernick, & Webster, 2015

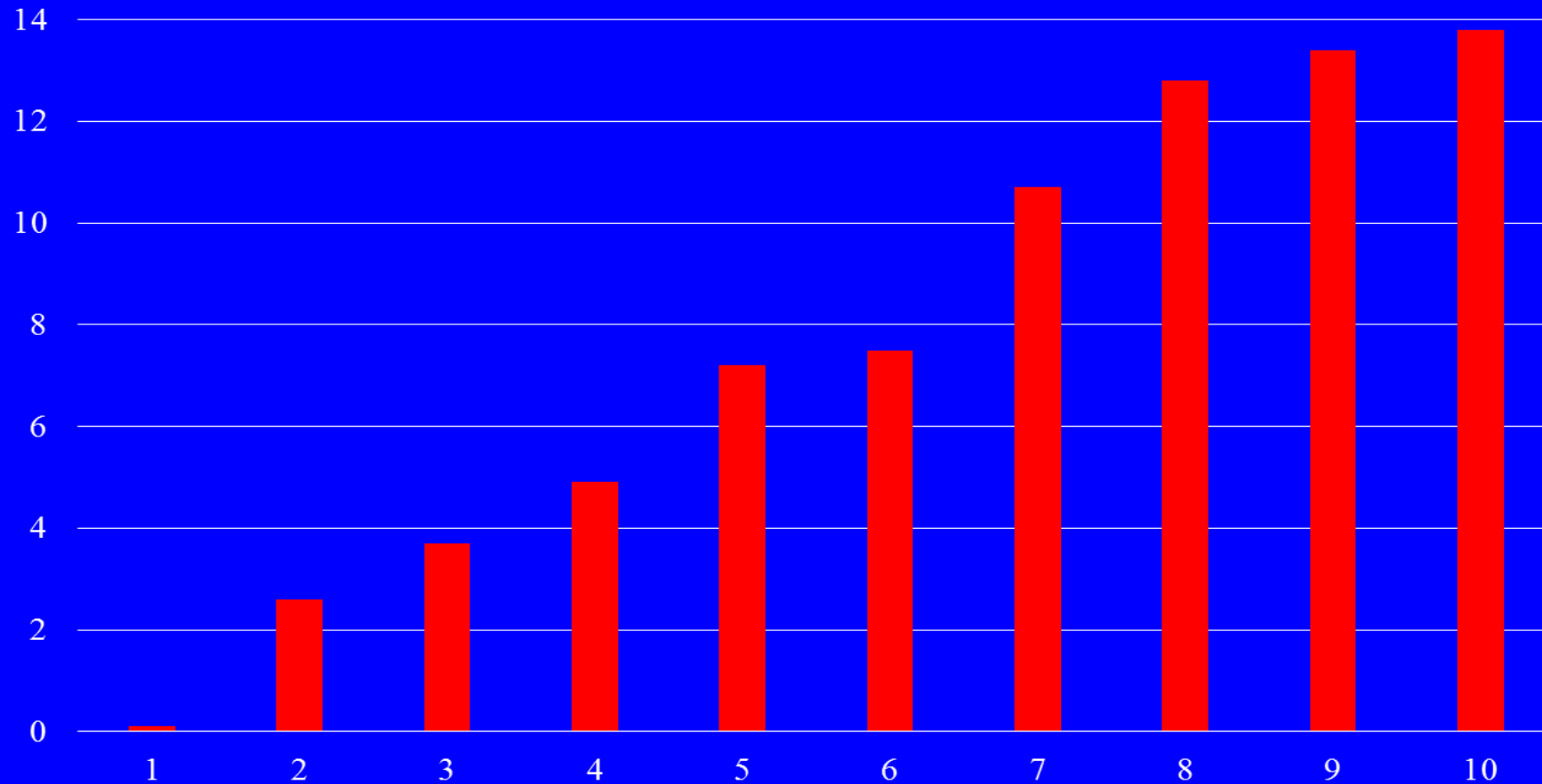
- PTP law adopted Oct. 1995, strengthened background check requirement, fingerprint by police, 8 hours safety training.
- Gun homicides 40% lower in CT vs. controls 1<sup>st</sup> 10 years. No control state had as dramatic change. Update: -29% over 18 years.
- Firearm suicide rate reduced -16% Crifasi et al. 2016.





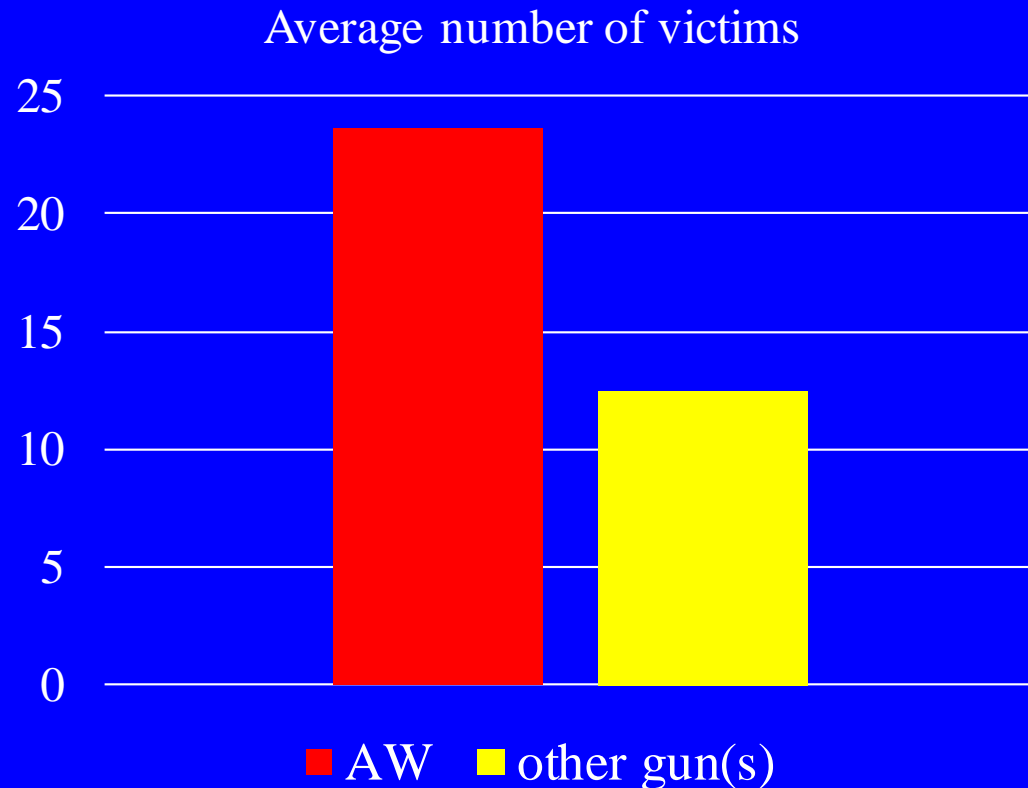
# % Increase in Violent Crime Associated with Each Year a RTC Law is in Effect

Donohue, Aneja, & Weber, 2017



# Assault Weapons, High Capacity Magazines and Mass Shooting Casualties

(Data from Mother Jones 1982-2018)



- For every year the Federal ban of AW and HCM was in place, 10% decline in the number of mass shooting victims
- For every year after Federal ban was lifted (2004), number of victims in mass shootings has increased 12%.