

Opioids and Community Impact: Public Health Perspective

Nevada County Board of Supervisors

April 24, 2018

Ken Cutler, MD, MPH

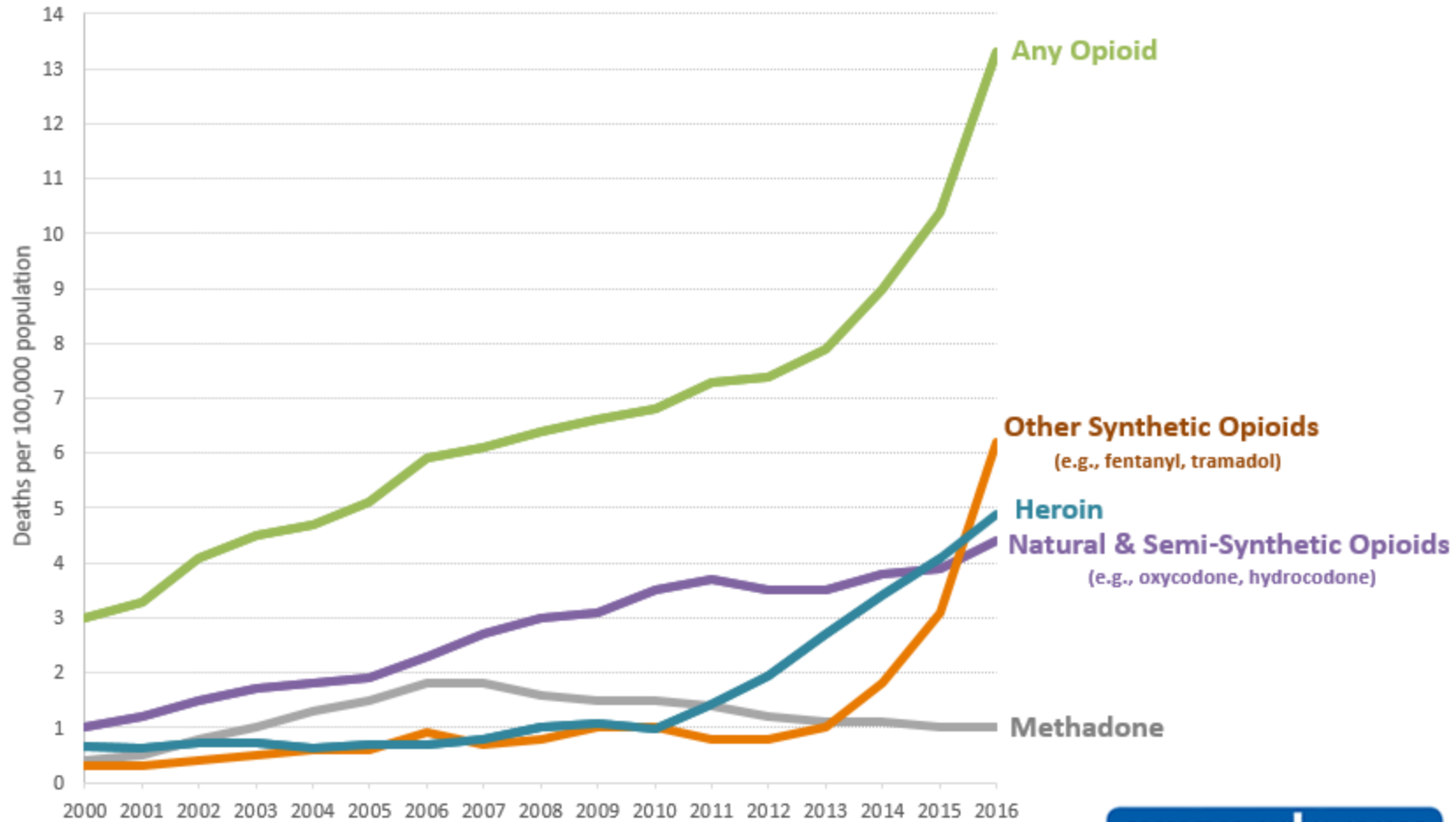
NC Health Officer



Overview

- Where are we with opioids?
- How did we get here?
- How are we responding? What can we do?

Overdose Deaths Involving Opioids, by Type of Opioid, United States, 2000-2016

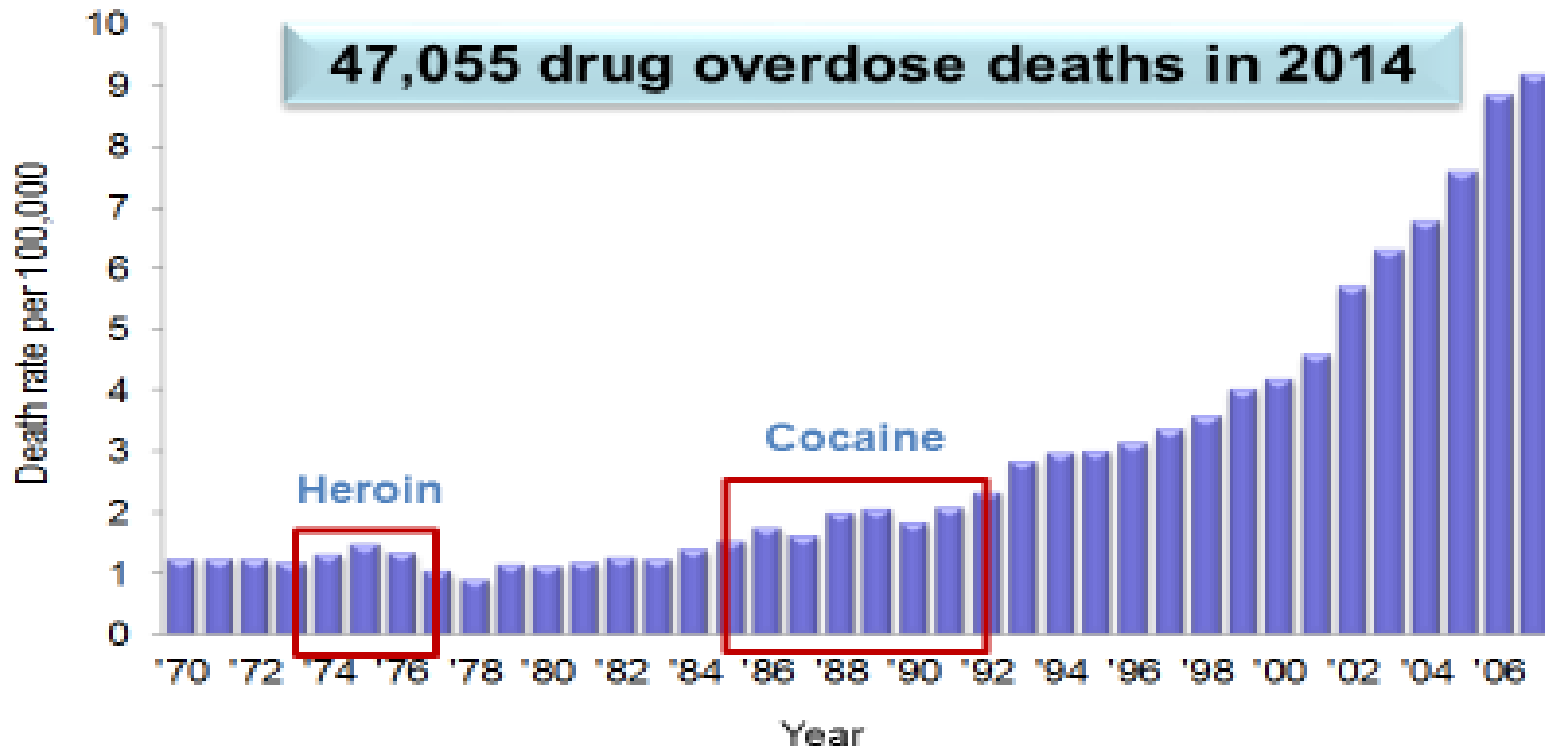


SOURCE: CDC/NCHS, National Vital Statistics System, Mortality. CDC WONDER, Atlanta, GA: US Department of Health and Human Services, CDC; 2017. <https://wonder.cdc.gov/>.

www.cdc.gov
Your Source for Credible Health Information

There have been previous overdose epidemics but not nearly as big: 2016 rose to over 63,000 deaths with the sharpest increase related to fentanyl

Unintentional Drug Overdose Deaths United States, 1970–2007



Heroin use is part of a larger substance abuse problem.

Nearly all people who used heroin also used at least 1 other drug.

Most used at least **3** other drugs.

Heroin is a highly addictive opioid drug with a high risk of overdose and **death** for users.

People who are addicted to...



ALCOHOL

are

2x



MARIJUANA

are

3x



COCAINE

are

15x



Rx OPIOID PAINKILLERS

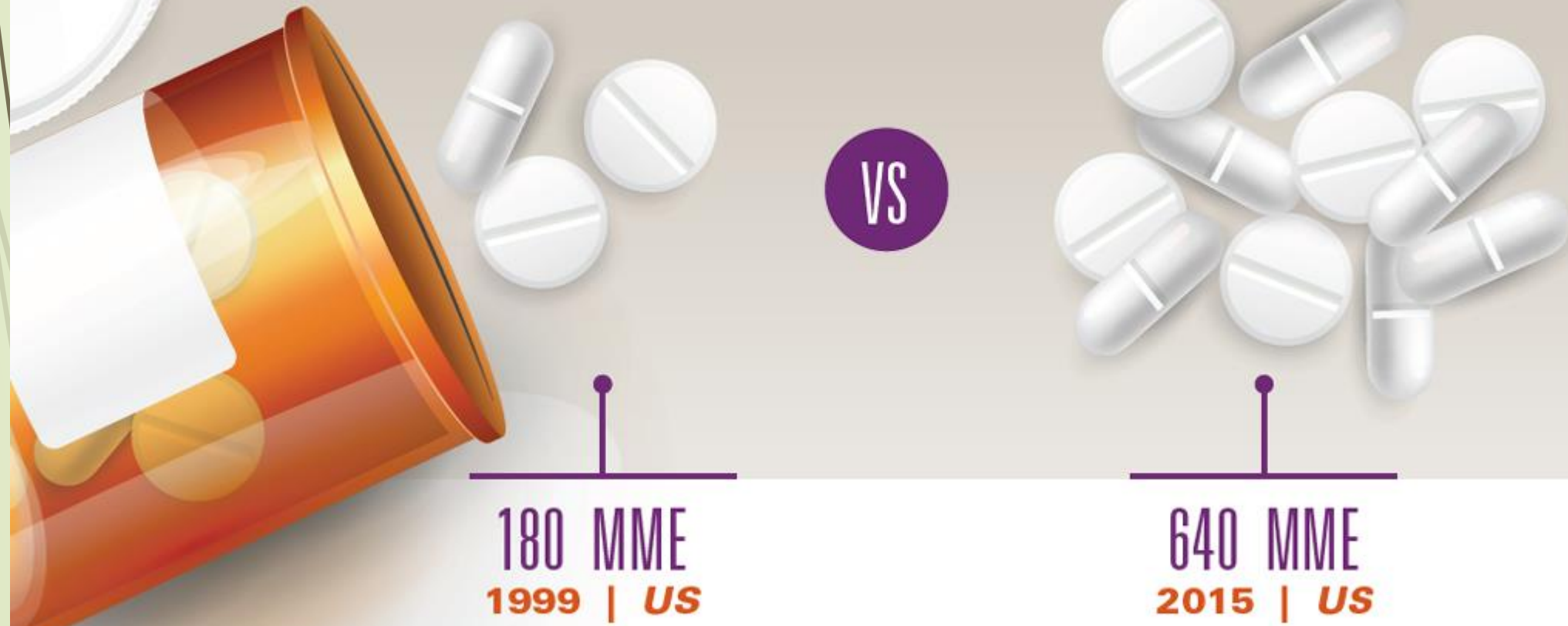
are

40x

...more likely to be addicted to heroin.

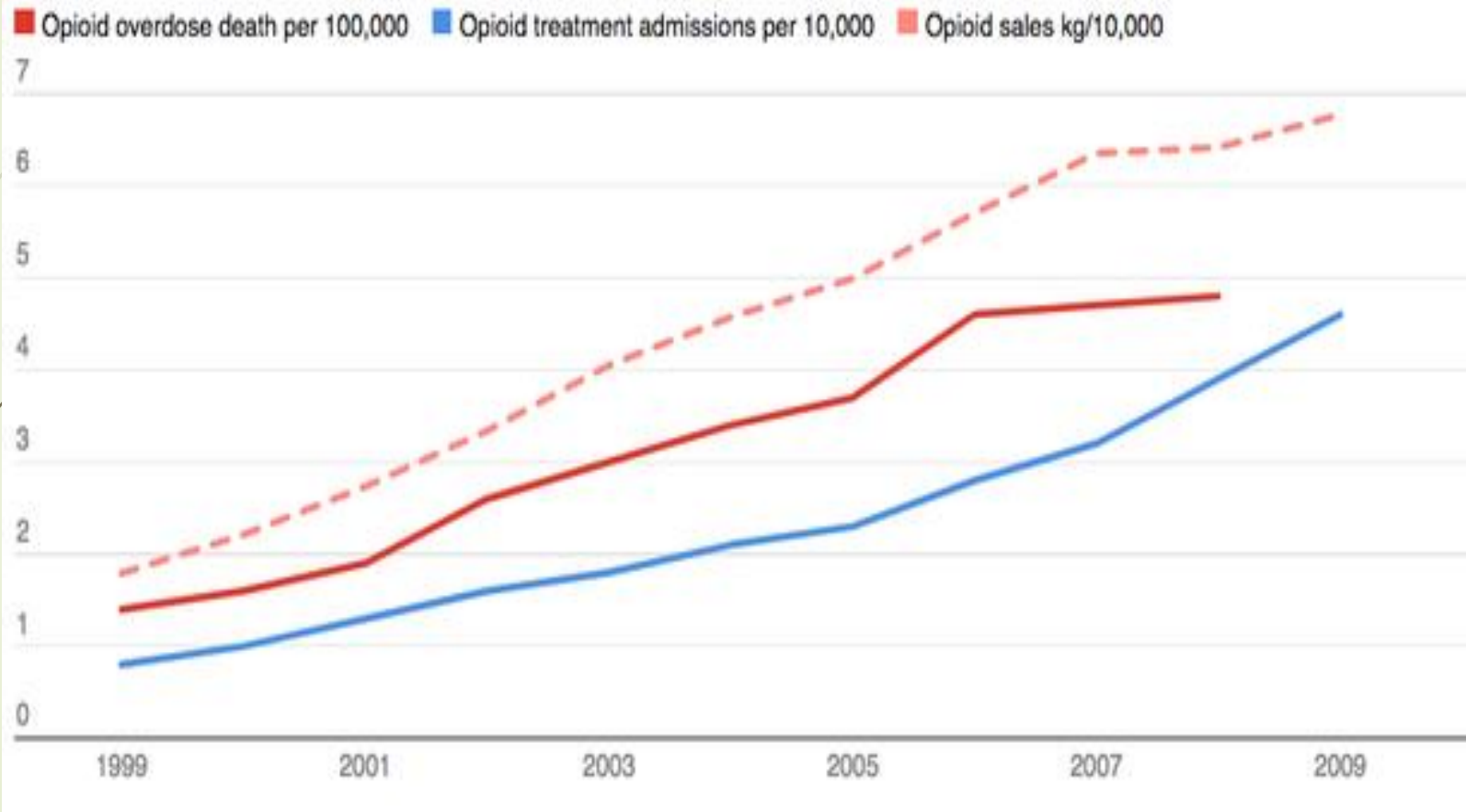
The amount of opioids prescribed per person was three times higher in 2015 than in 1999.

<https://www.cdc.gov/vitalsigns/opioids/infographic.html#graphic-a>



SOURCES: Automation of Reports and Consolidated Orders System (ARCOS) of the Drug Enforcement Administration; 1999. QuintilesIMS Transactional Data Warehouse; 2015.

Opioids on the rise

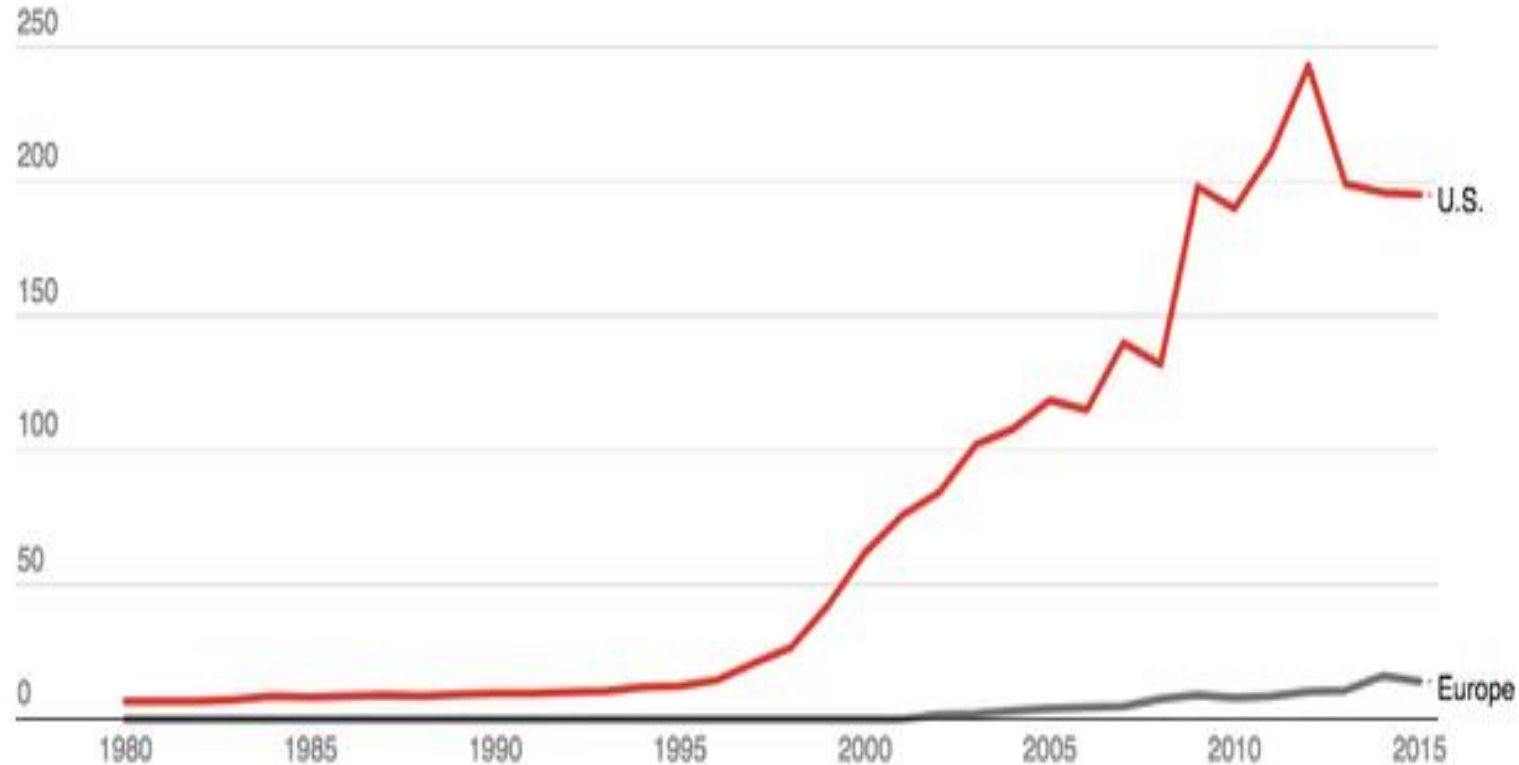


Source: CDC (Dr. Andrew Kolodny)

<https://www.cbsnews.com/news/opioid-addiction-epidemic-in-6-charts/>

Oxycodone consumption, mg/capita

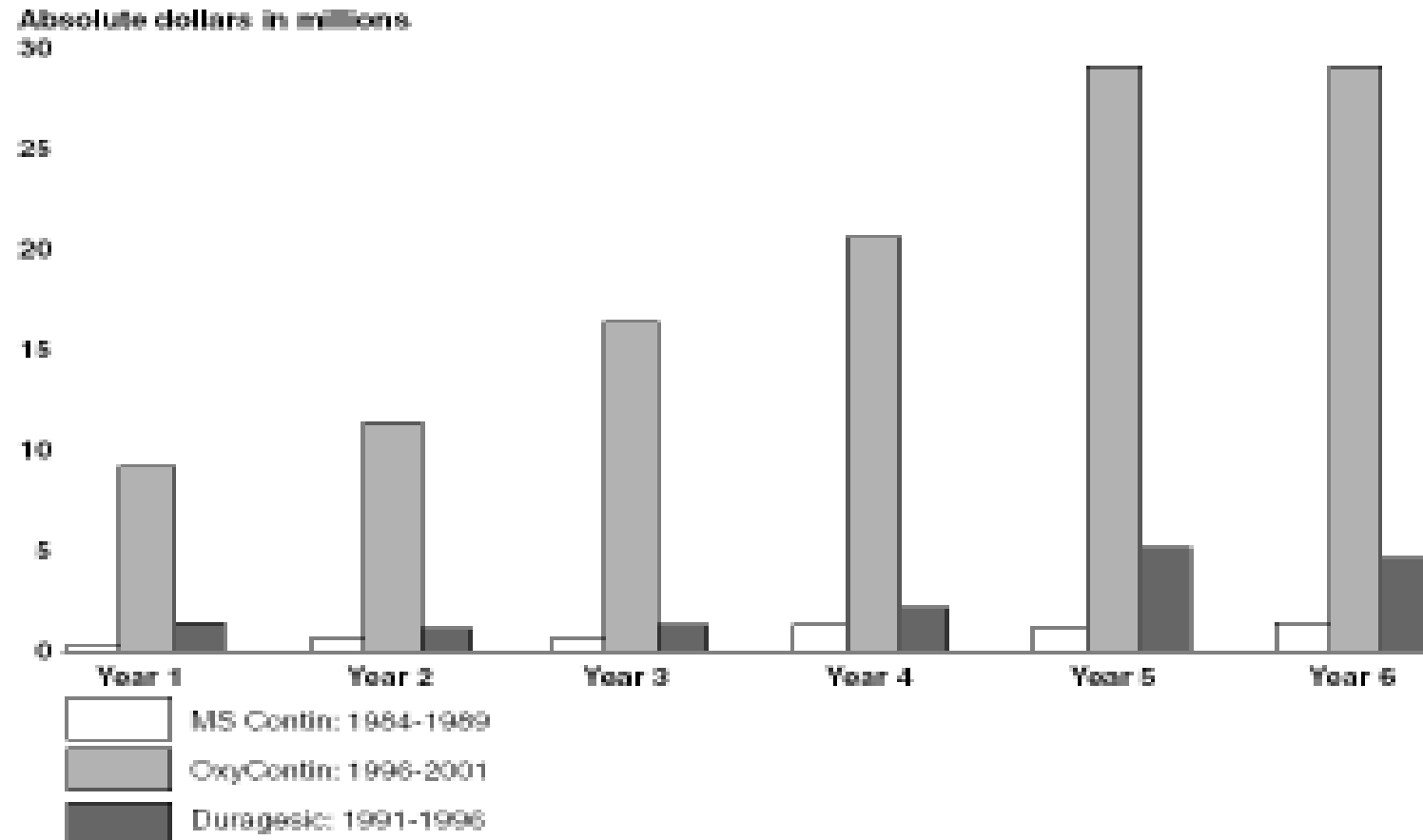
Despite a decline in recent years, U.S. per capita opioid consumption remains much higher than oxycodone consumption in Europe.



Dr. Andrew Kolodny, Source: The International Narcotics Control Board: <https://www.cbsnews.com/news/opioid-addiction-epidemic-in-6-charts/>

Dollars Spent Marketing OxyContin (1996-2001)

Figure 1: Promotional Spending for Three Opioid Analgesics in First 6 Years of Sales



Source: United States General Accounting Office: Dec. 2003, "OxyContin Abuse and Diversion and Efforts to Address the Problem."



Industry-funded “educational” messages

- Physicians are needlessly allowing patients to suffer because of “opiophobia.”
- Opioid addiction is rare in pain patients.
- Opioids can be easily discontinued.
- Opioids are safe and effective for chronic pain.



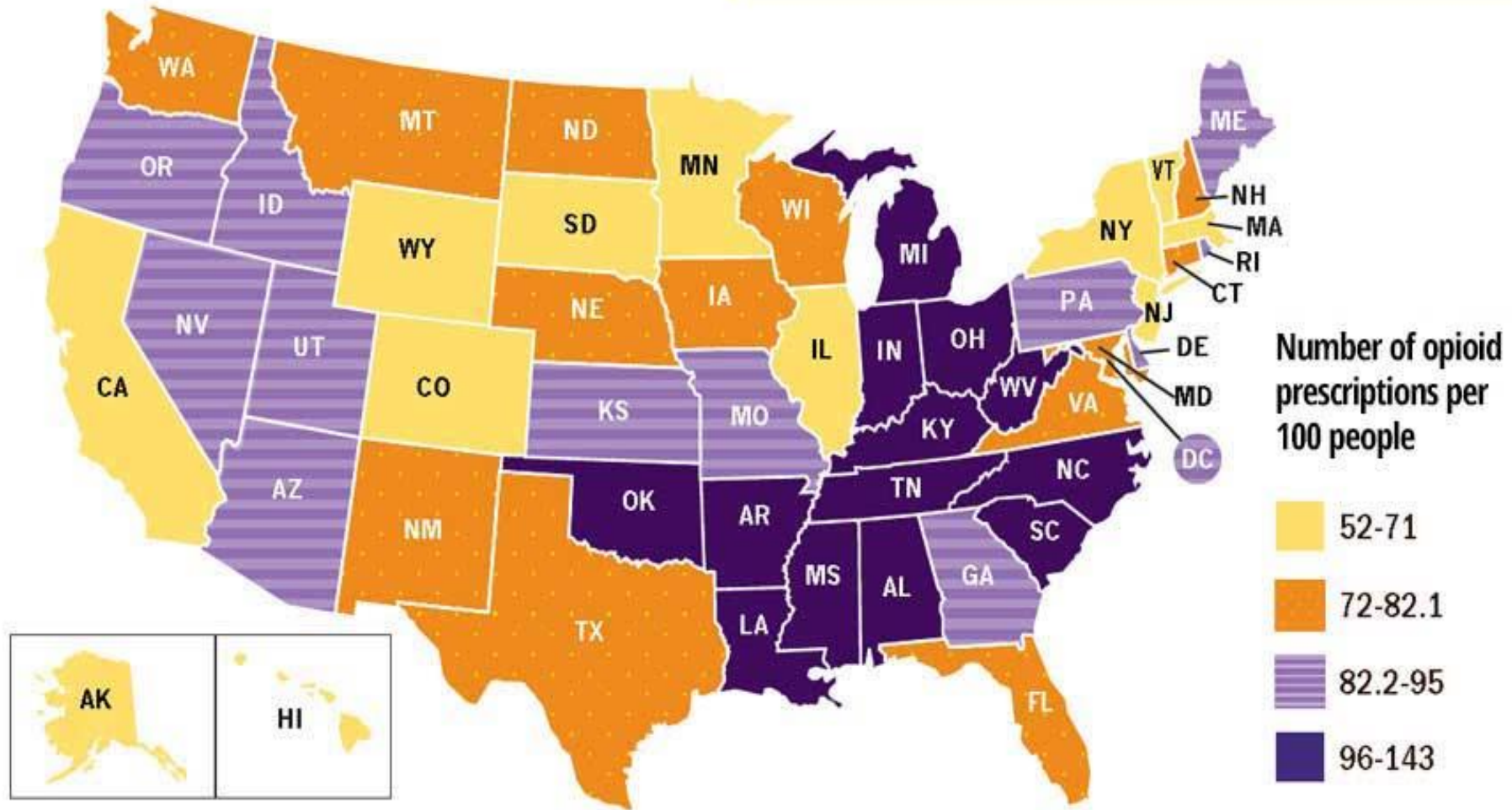
The NEW ENGLAND JOURNAL of MEDICINE

Reducing the Risks of Relief — The CDC Opioid-Prescribing Guideline

Thomas R. Frieden, M.D., M.P.H., and Debra Houry, M.D., M.P.H. March 15, 2016

“The science of opioids for chronic pain is clear: for the vast majority of patients, the known, serious, and too-often-fatal risks far outweigh the unproven and transient benefits.”

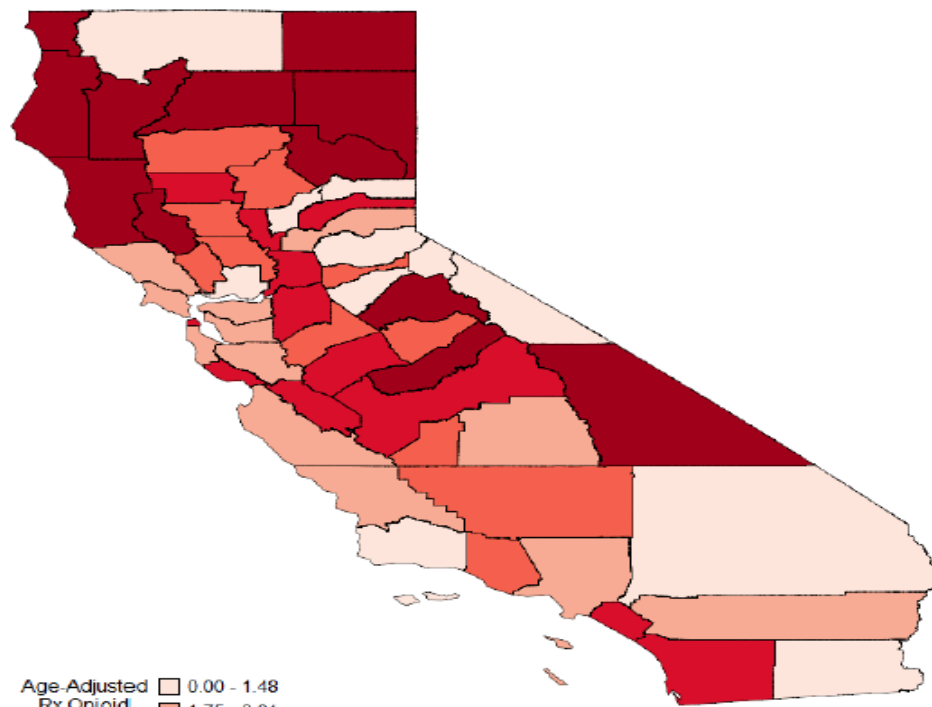
Some states have more opioid prescriptions per person than others.



SOURCE: IMS, National Prescription Audit (NPA™), 2012.

All California Counties - 2013

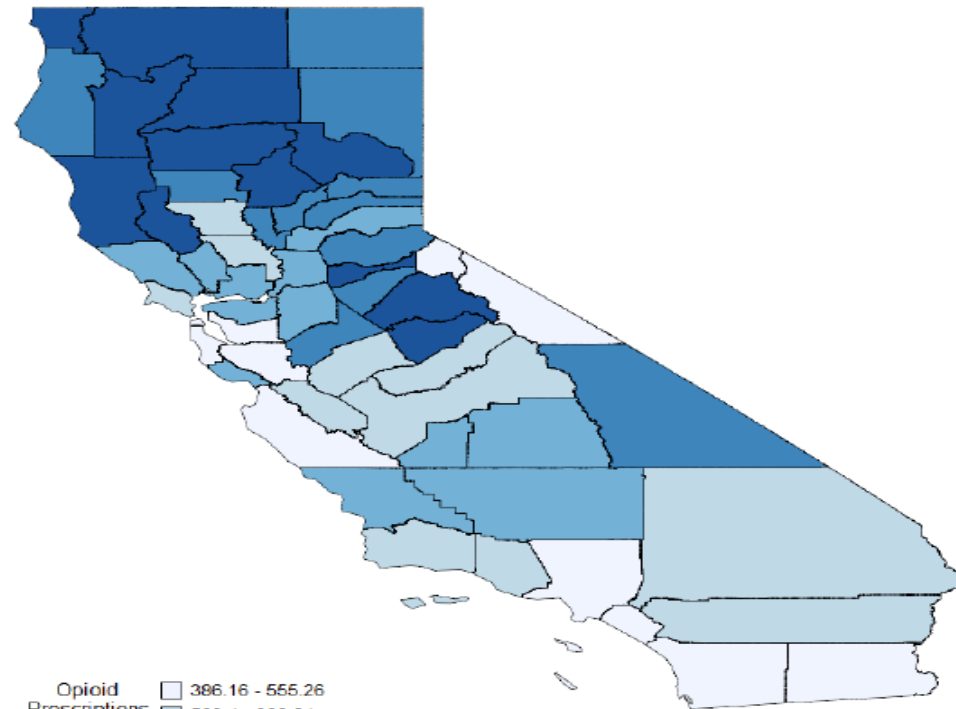
Prescription Opioid Deaths



Age-Adjusted Rx Opioid Death Rate per 100,000

0.00 - 1.48
1.75 - 3.01
3.07 - 4.79
5.17 - 7.78
7.80 - 29.81

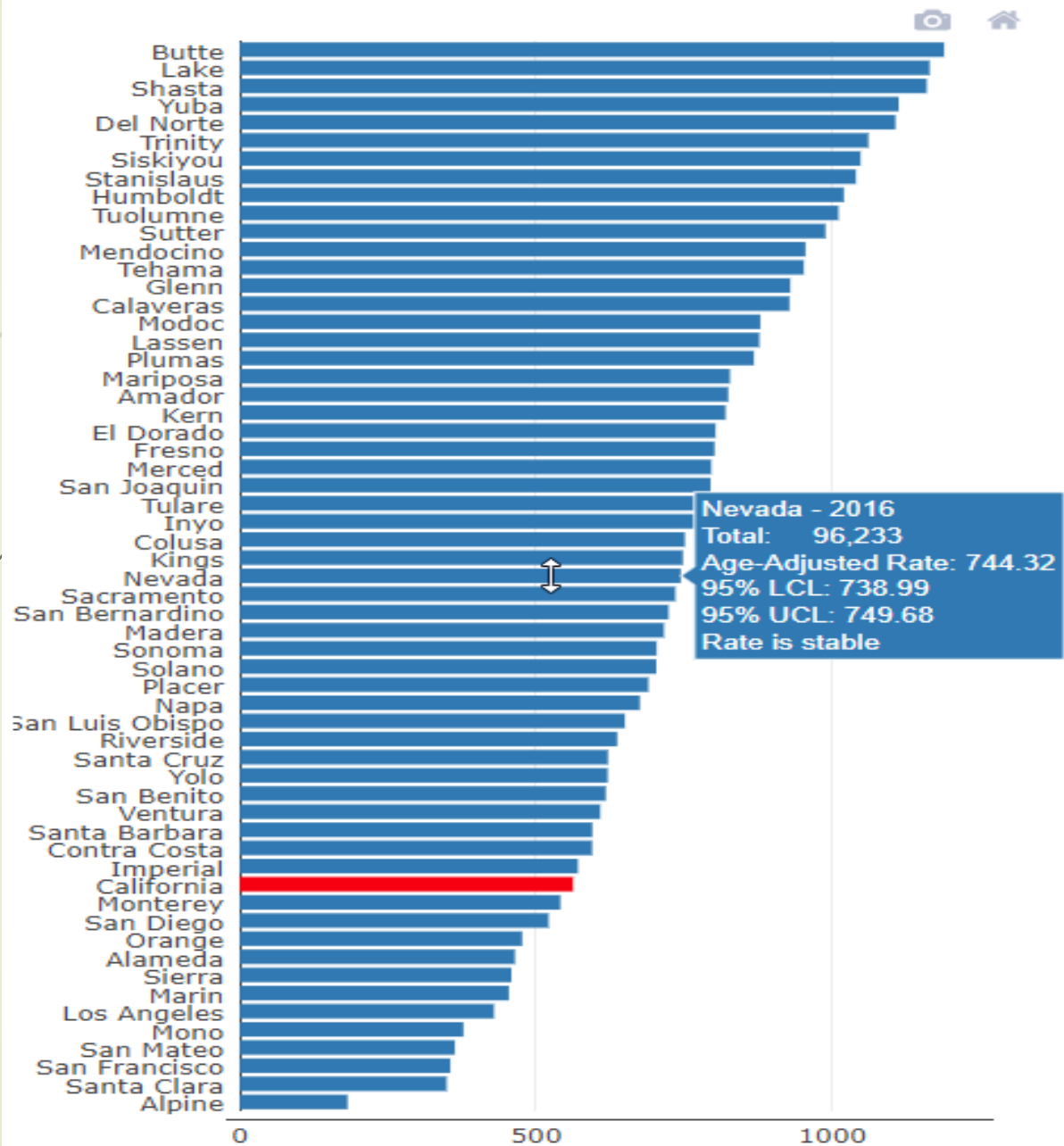
Opioid Prescriptions



Opioid Prescriptions per 1,000

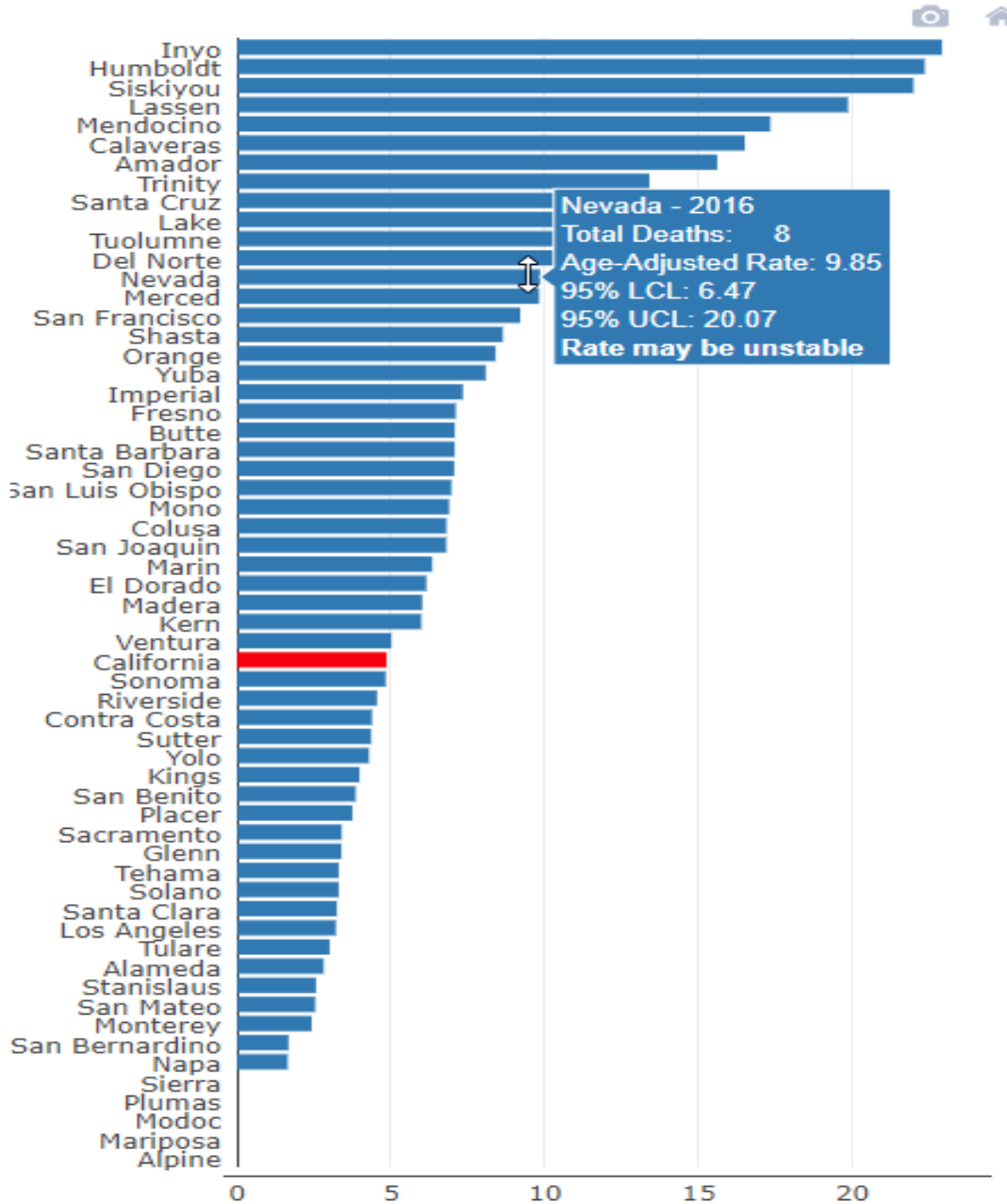
386.16 - 555.26
563.4 - 668.84
670.7 - 884.88
927.24 - 1138.4
1163.8 - 1767.12

California Prescriptions - Total Population - 2016
Opioid Prescriptions by Patient Location: Age-Adjusted
 Rate per 1,000 Residents



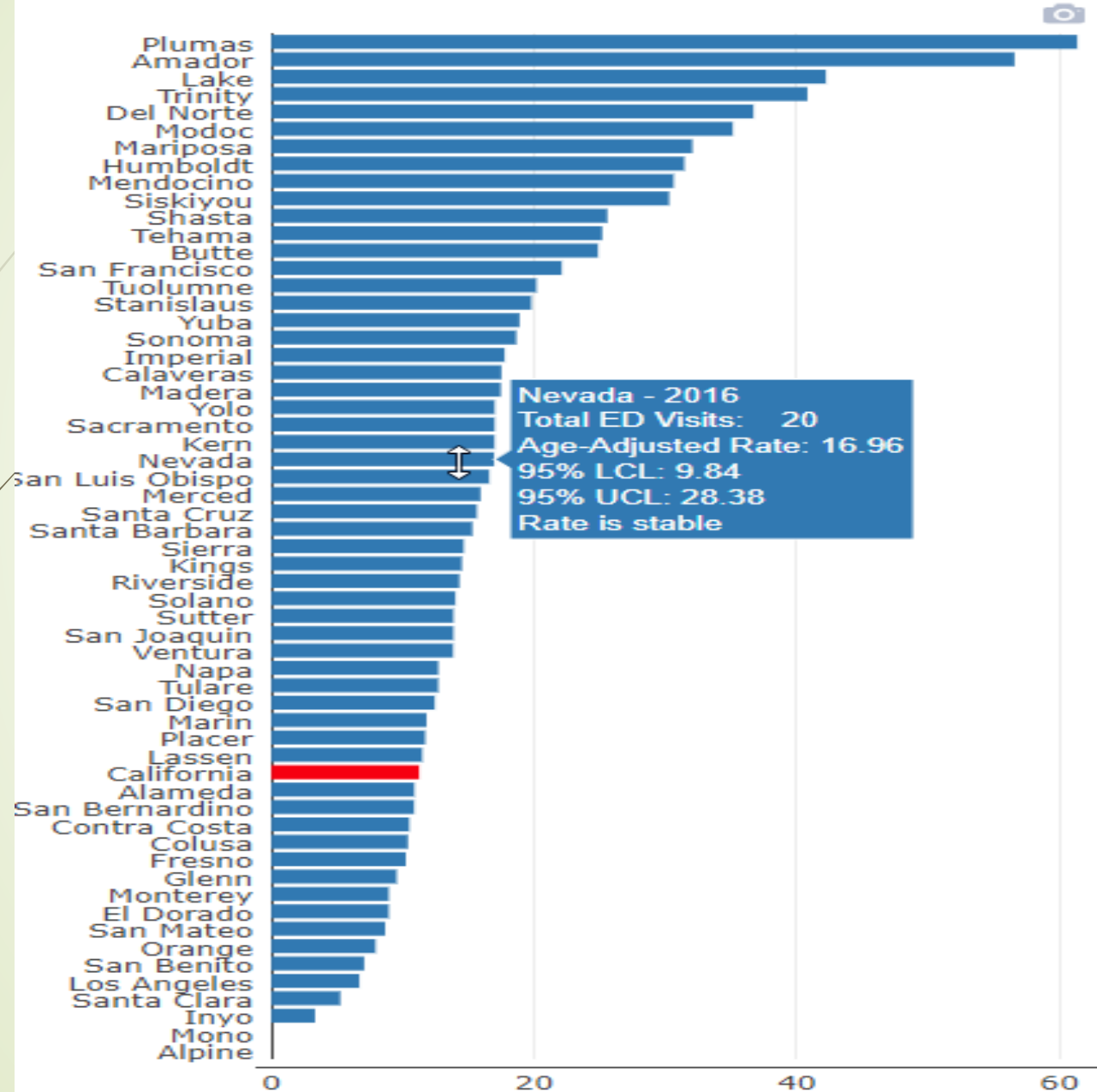
From California
 Opioid Dashboard,
 April 2018

California Deaths - Total Population - 2016
All Opioid Overdose: Age-Adjusted Rate per 100,000 Residents



From California
Opioid Dashboard,
April, 2018

California ED Visits - Total Population - 2016
Opioid Overdose (excl Heroin): Age-Adjusted Rate p
 100,000 Residents



From California
 Opioid Dashboard,
 April, 2018



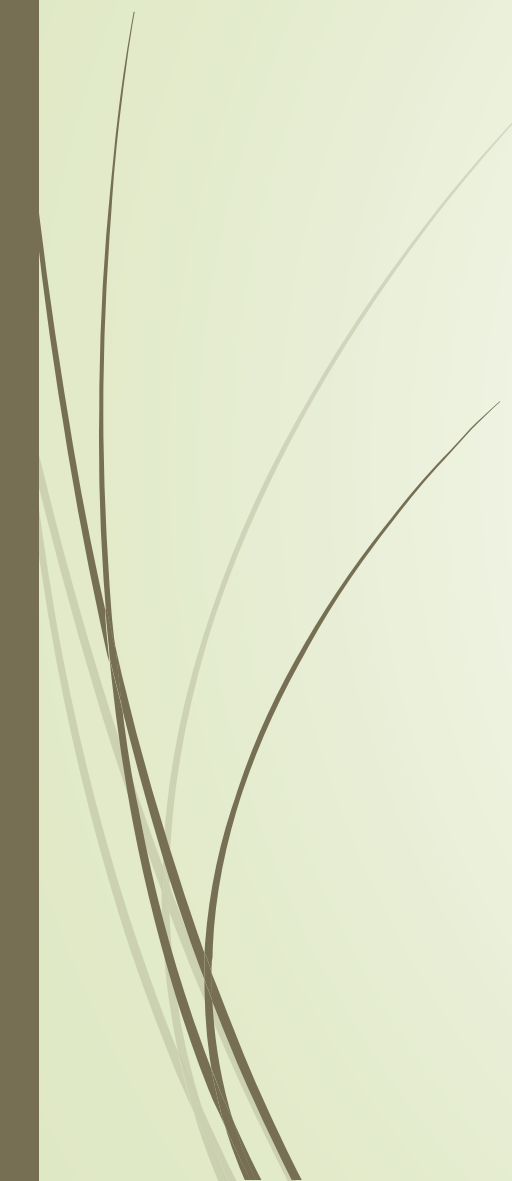
Public Health Impact of Opioid Use

- In 2010, for every 1 overdose death...
 - 10 Treatment admissions for substance use
 - 26 ED visits for misuse or abuse
 - 108 people with abuse/dependence
 - 733 non-medical users in the past year

➤ *From Prescription Drug Abuse and Overdose: Public Health Perspective. CDC Primary Care and Public Health Initiative presentation October 24, 2012.*

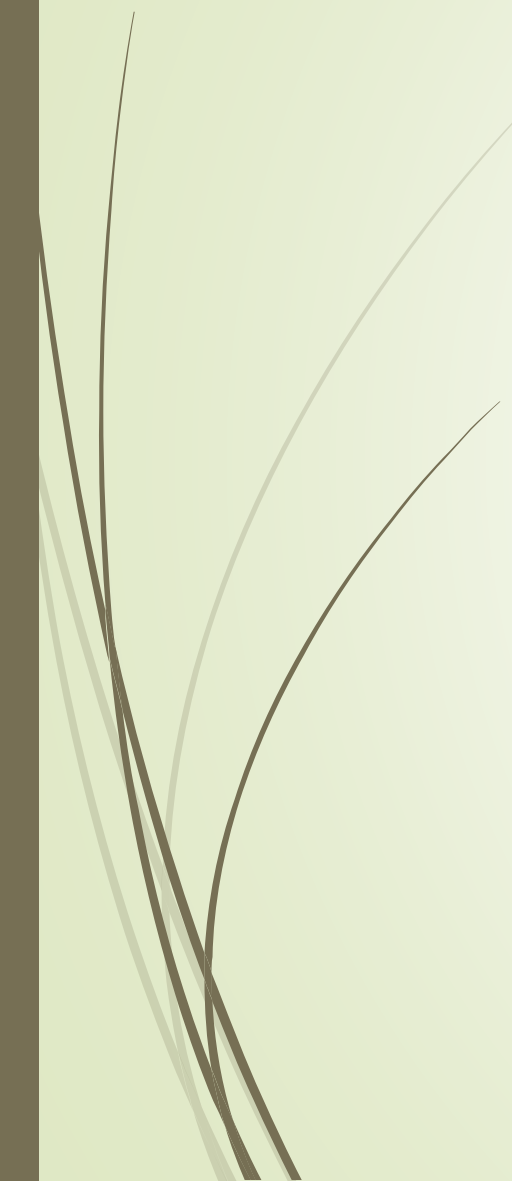


COALITION APPROACHES to CONTROLLING THE EPIDEMIC

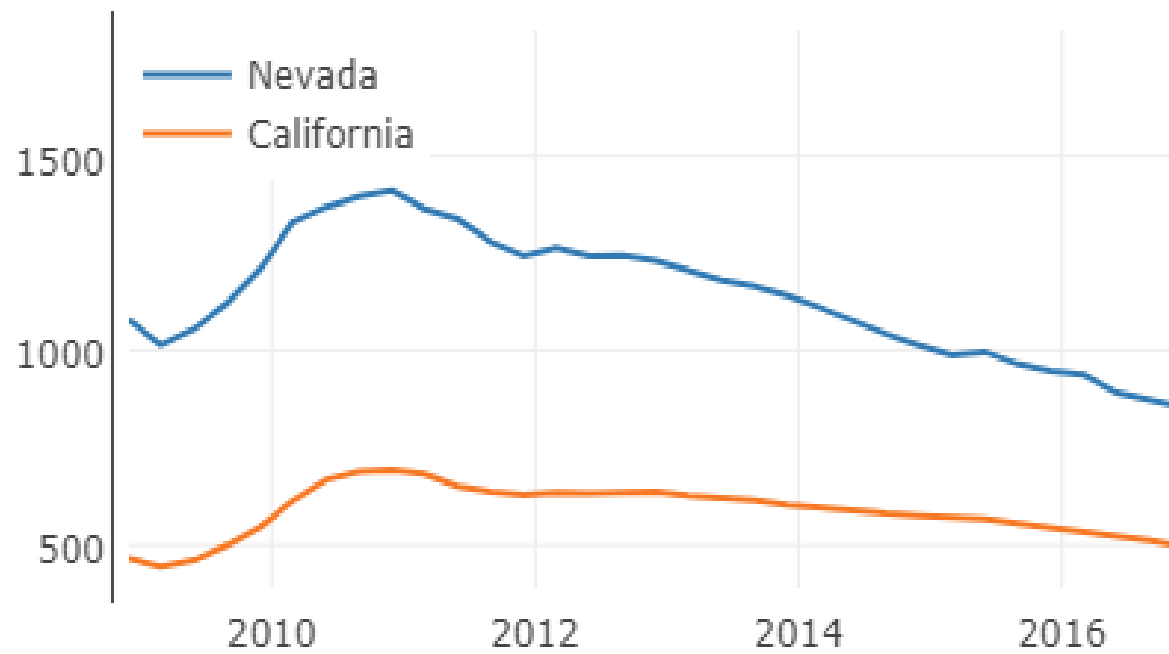
- SAFE PRESCRIBING PRACTICES
 - SURVEILLANCE MONITORING
 - TREATMENT/RECOVERY
 - OVERDOSE RESCUE MEDICATION
 - DRUG DISPOSAL
- 



Reasons for Some Optimism

- Increased Awareness
 - Increased Monitoring
 - Newer guidance and trainings
 - Medically Assisted Treatment options
 - More organized delivery system coming
 - Saw some decline in prescriptions, ER visits
 - Drug take back programs
 - Community/coalition involvement
- 

Total Population : **MMEs by Patient Location** : Age-Adjusted
Rate per Resident
Nevada vs. California



Morphine Milligram Equivalents prescribed to residents:
https://pdop.shinyapps.io/ODdash_v1/