

Orange County Health Care Agency & Sheriff-Coroner

2017

Opioid Overdose & Death

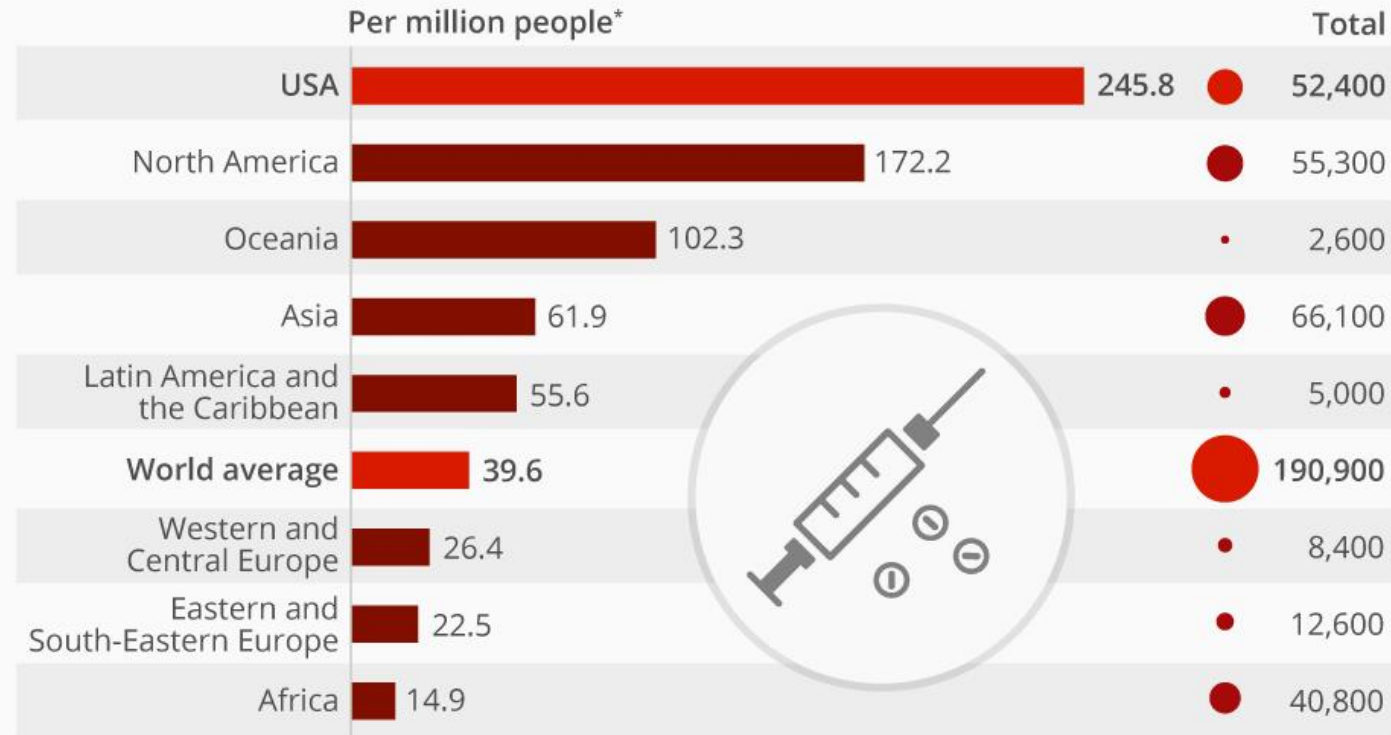
in Orange County

Overview

- Global Drug Deaths
- U.S. Drug Death Trends
- Drug Deaths in California & Orange County
- Opioids in Orange County
 - Prescriptions: California DOJ CURES Database
 - Morbidity: ED Visits & Hospitalizations
 - Mortality: Deaths

America Has The Highest Drug-Death Rate in the World

Estimated number of drug-related deaths and mortality rate 2015



@StatistaCharts

* mortality rate per million persons aged 15–64
Best estimates according to source

Source: UNODC

statista

Drug Overdose Deaths in the U.S.

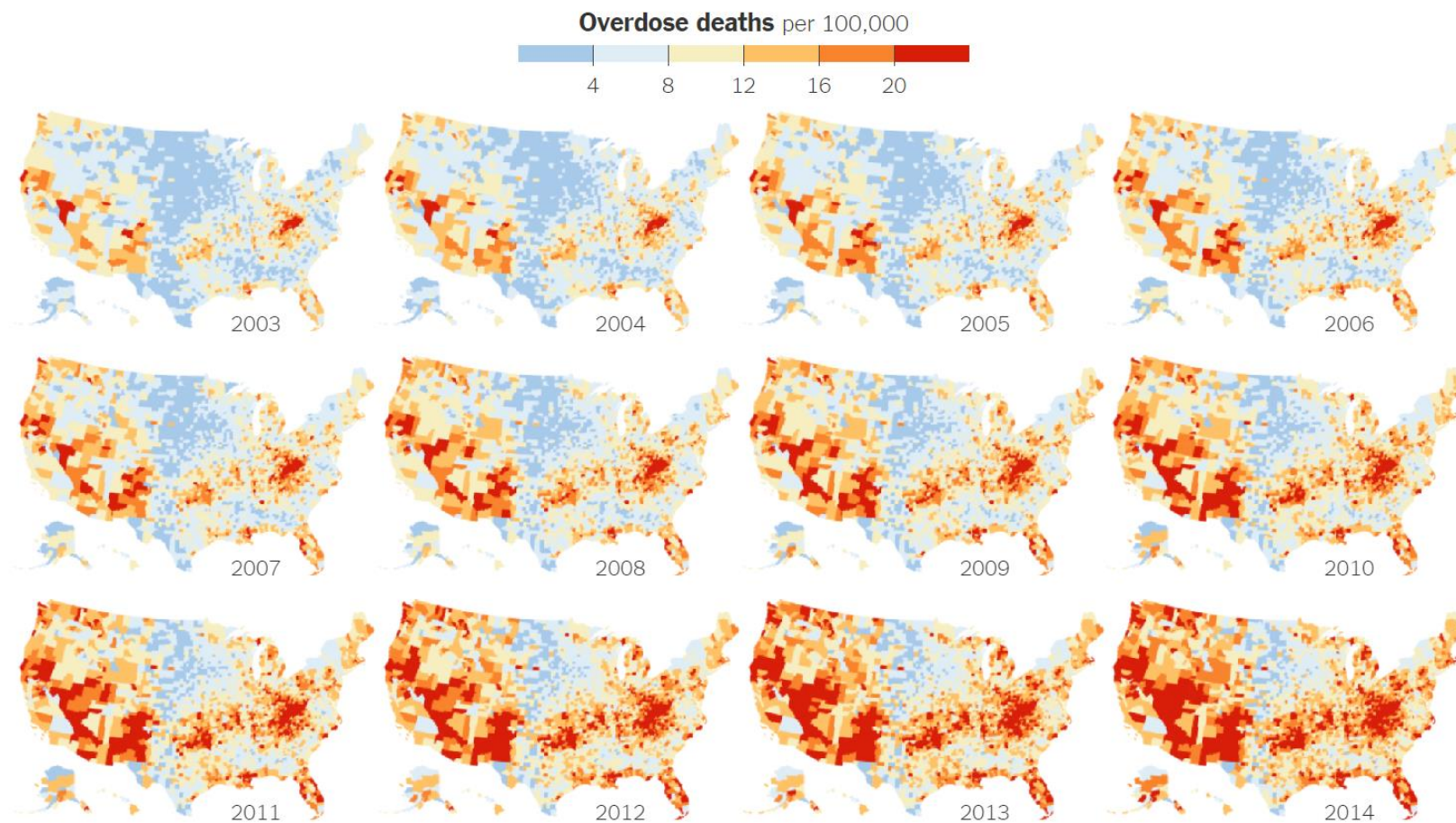
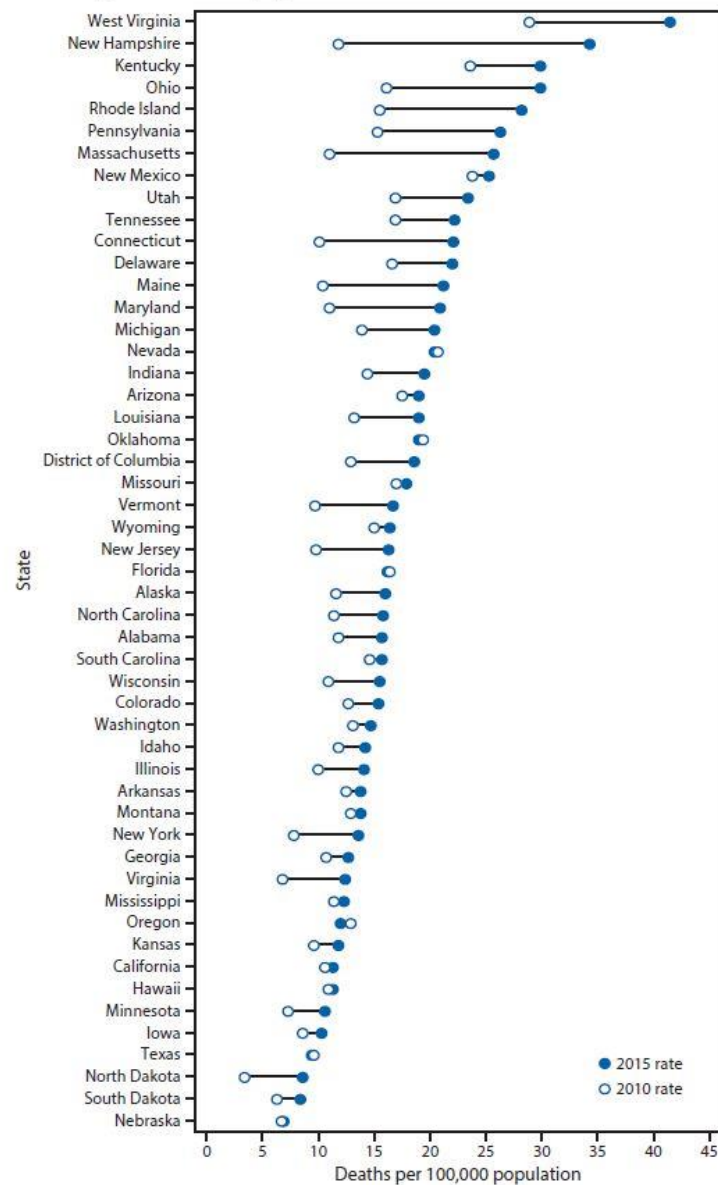
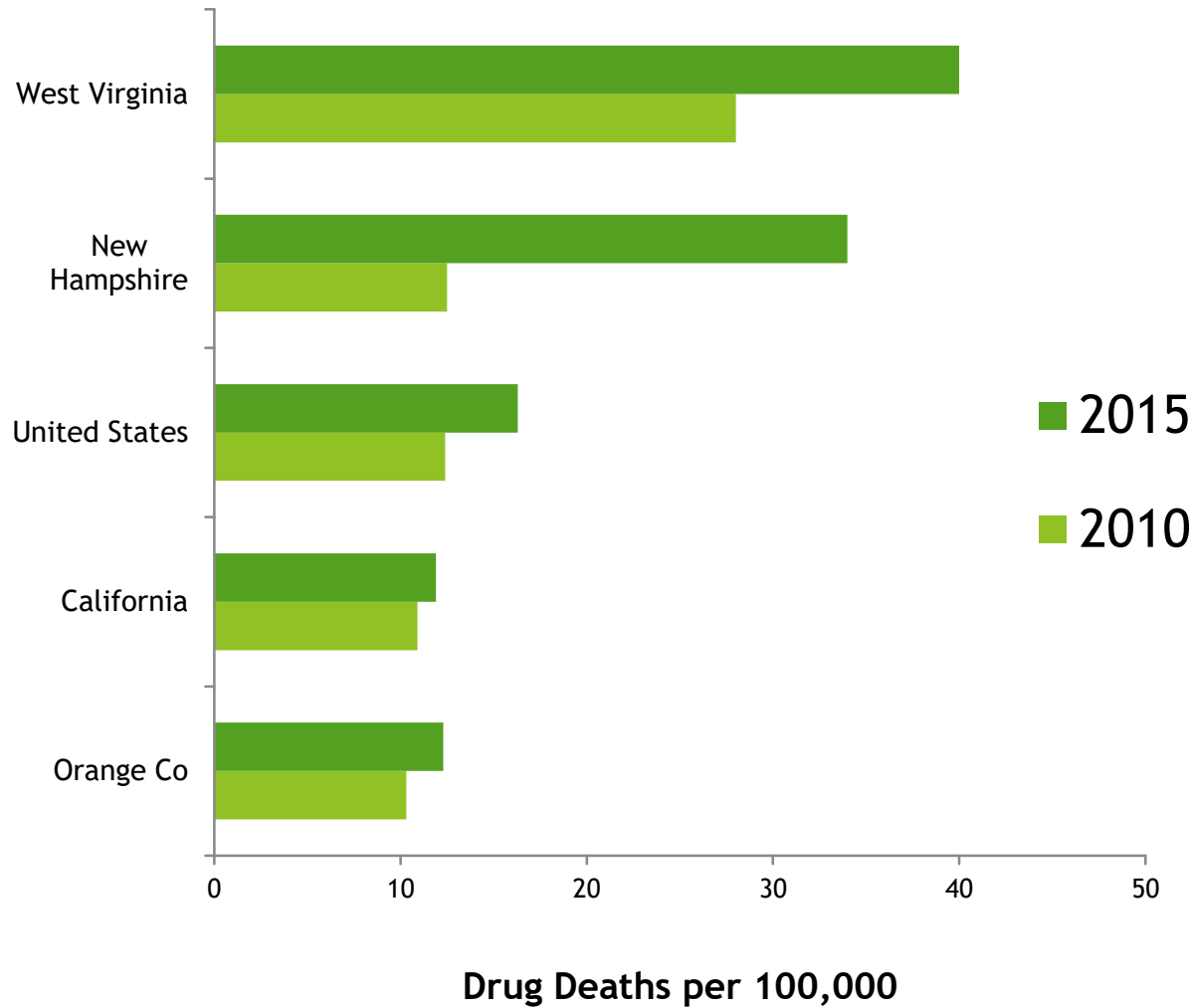


FIGURE. Age-adjusted rate* of drug overdose deaths,† by state — 2010 and 2015[§]

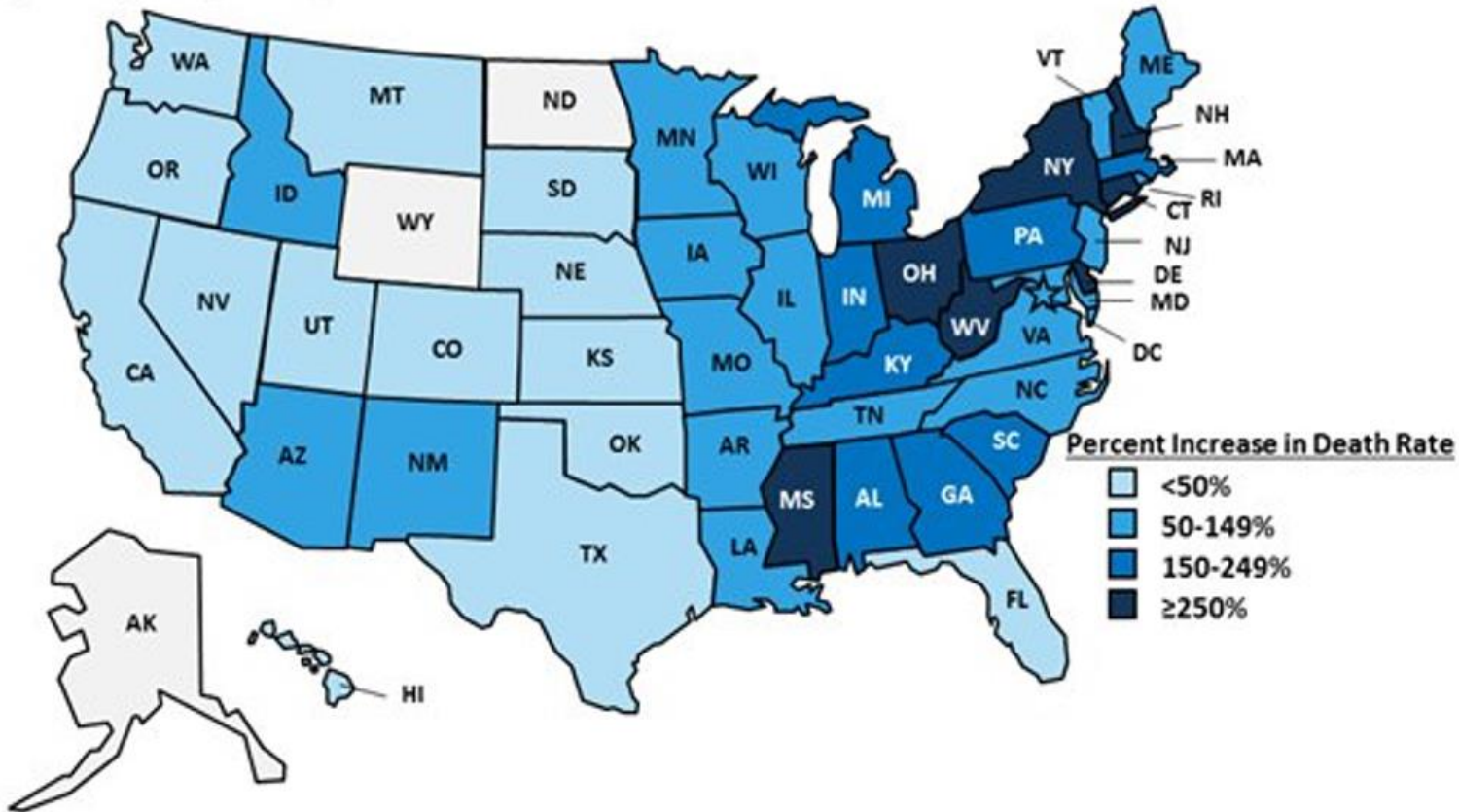


Source: CDC, National Vital Statistics System, Mortality, CDC WONDER, Atlanta, GA: US Department of Health and Human Services, CDC; 2016. <https://wonder.cdc.gov/>.
 * Rates shown are the number of deaths per 100,000 population. Age-adjusted death rates were calculated by applying age-specific death rates to the 2000 U.S. standard population age distribution.
 † Deaths were classified using the *International Classification of Diseases, Tenth Revision* (ICD-10). Drug overdose deaths were identified using underlying cause-of-death codes X40–X44, X60–X64, X85, and Y10–Y14.

Drug Death Rates



Between 2005 and 2015, the increases in the opioid overdose death rate were particularly prominent in CT, DE, MS, NH, NY, OH, and WV.



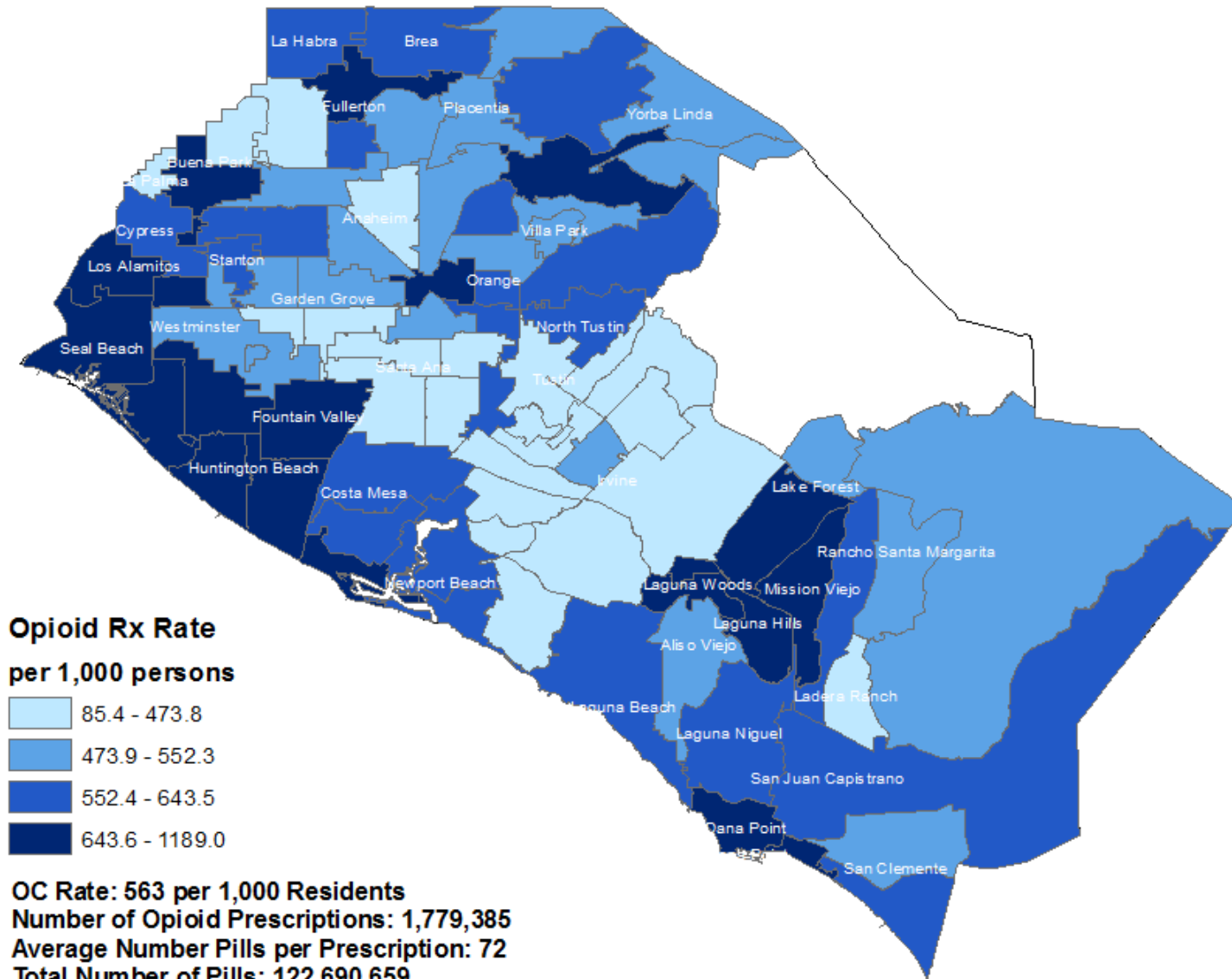
SOURCE: Kaiser Family Foundation analysis of Centers for Disease Control and Prevention (CDC), National Center for Health Statistics, Multiple Cause of Death 1999-2015 on CDC WONDER Online Database

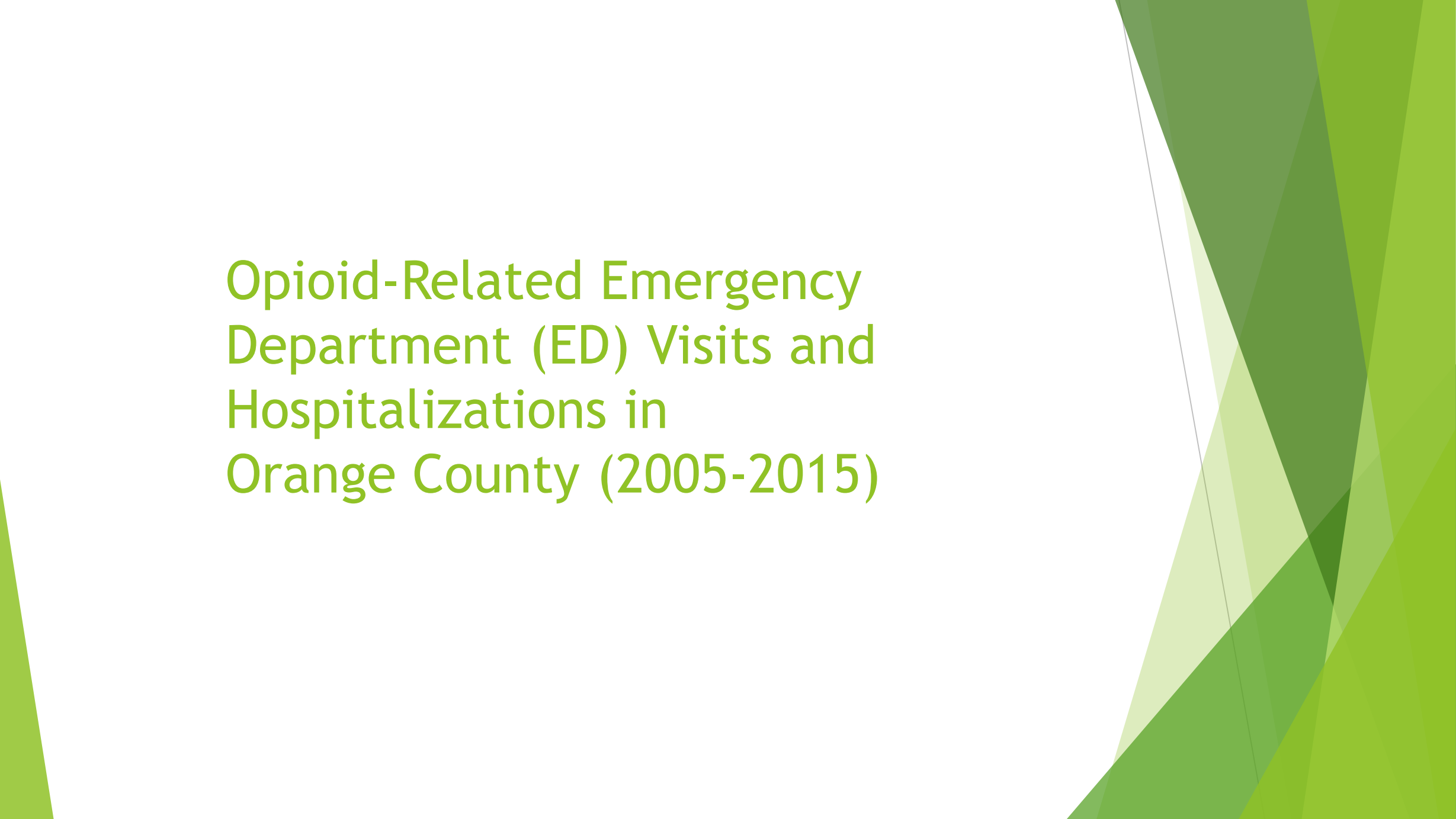
Opioid Prescriptions in Orange County

California DOJ Controlled Substance Utilization Review & Evaluation (CURES) Database

- Almost half (45%) of the four million prescriptions to OC residents for narcotics reported in the in 2015 were for opioid analgesics.
- A total of **1,711,809** prescriptions for opioids (e.g., hydrocodone, oxycodone) were dispensed to OC residents in 2015.
- The average prescription was for **72 pills** which corresponded to over **122,000,000 pills** in one year alone (~40 pills per resident/year)

OPIOID PRESCRIPTIONS BY PATIENT ZIP CODE (2015)



The background of the slide features abstract, overlapping green geometric shapes, primarily triangles and polygons, in various shades of green, creating a modern and dynamic visual effect.

Opioid-Related Emergency Department (ED) Visits and Hospitalizations in Orange County (2005-2015)

Opioid-Related Emergency Department Visits and Hospitalizations (2005-2015)



Opioid-Related Emergency Department Visits by Gender (2011-2015)



MALE

FEMALE



Average number of
males per year

906

Average number of
females per year

585

Average 5-year male rate
per 100,000 persons

59.1

Average 5-year female
rate per 100,000 persons

37.4

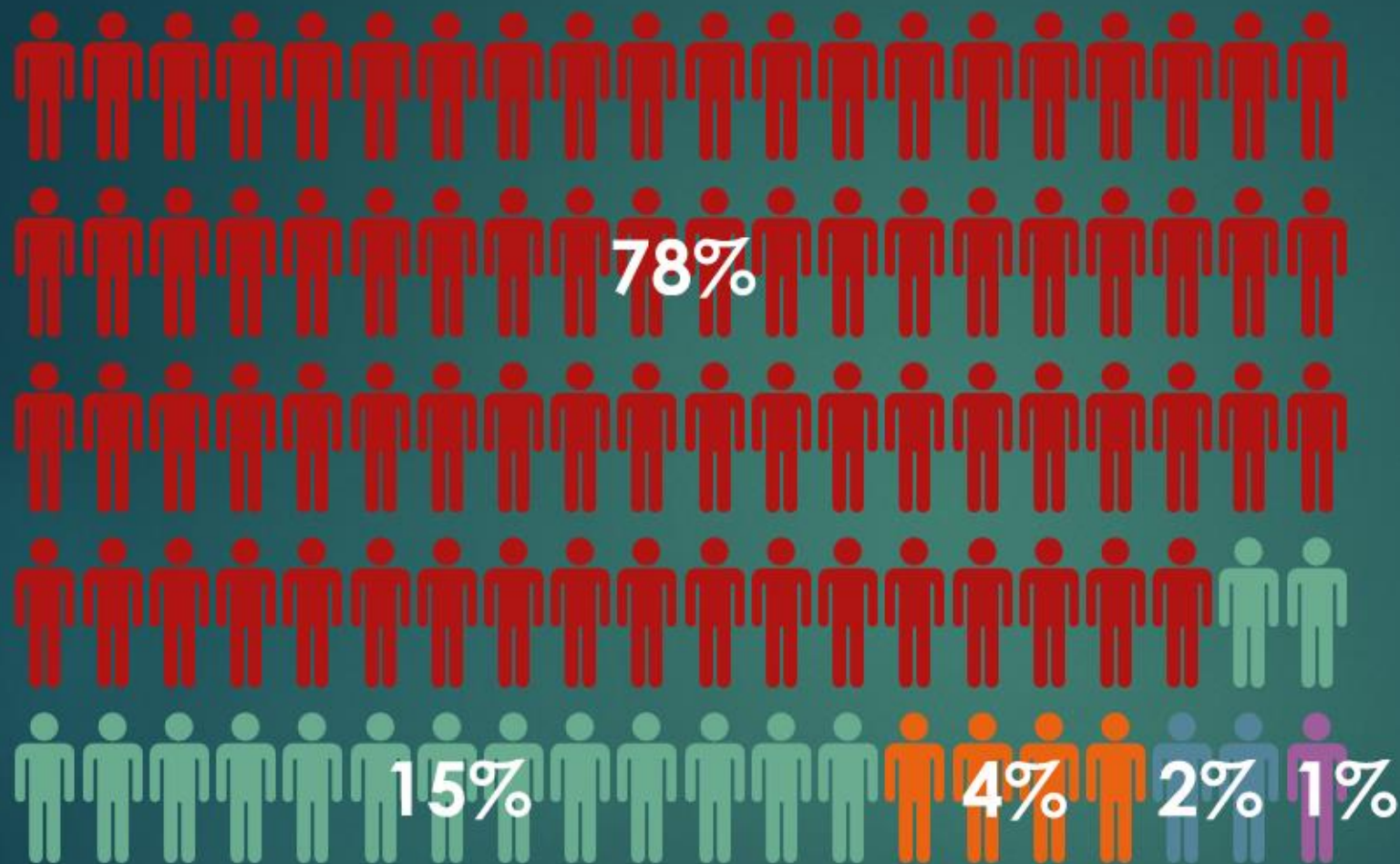
Male percentage of all
Emergency
Department visits

61%

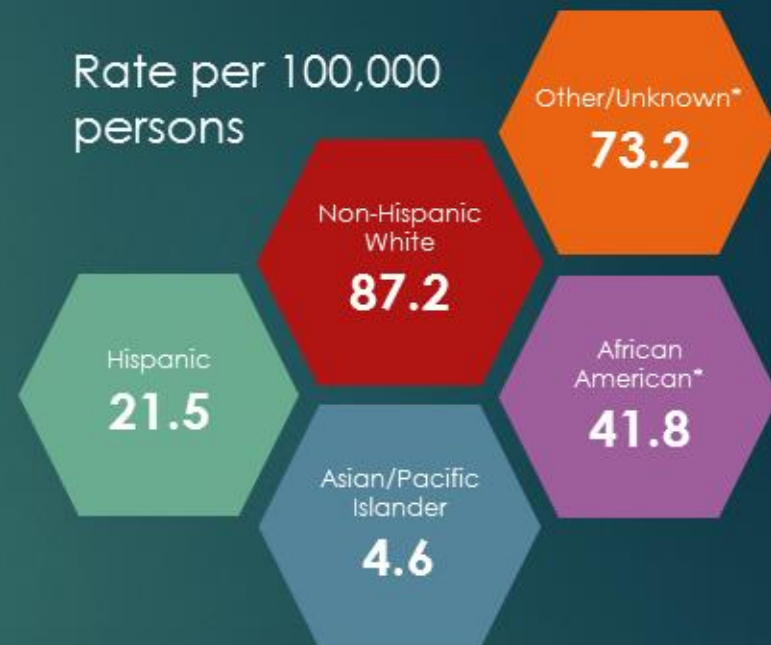
Female percentage of
all Emergency
Department visits

39%

Opioid-Related Emergency Department Visits by Race/Ethnicity (2011-2015)



Rate per 100,000 persons



■ Non-Hispanic White

■ Asian/Pacific Islander

■ Hispanic

■ African American

■ Other/Unknown

*Rate should be interpreted with caution due to small population size

Opioid-Related Emergency Department Visits by Age Group (2011-2015)

Rate per
100,000
persons

<9 Years	10-17 Years	18-24 Years	25-34 Years	35-44 Years	45-54 Years	55-64 Years	65+ Years
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2.3

11.6

133.8

82.7

40.1

45.2

45.9

31.7

Average
number of ED
visits per year

9

39

425

352

171

205

165

125

Percentage of
ED visits

1%

3%

28%

24%

11%

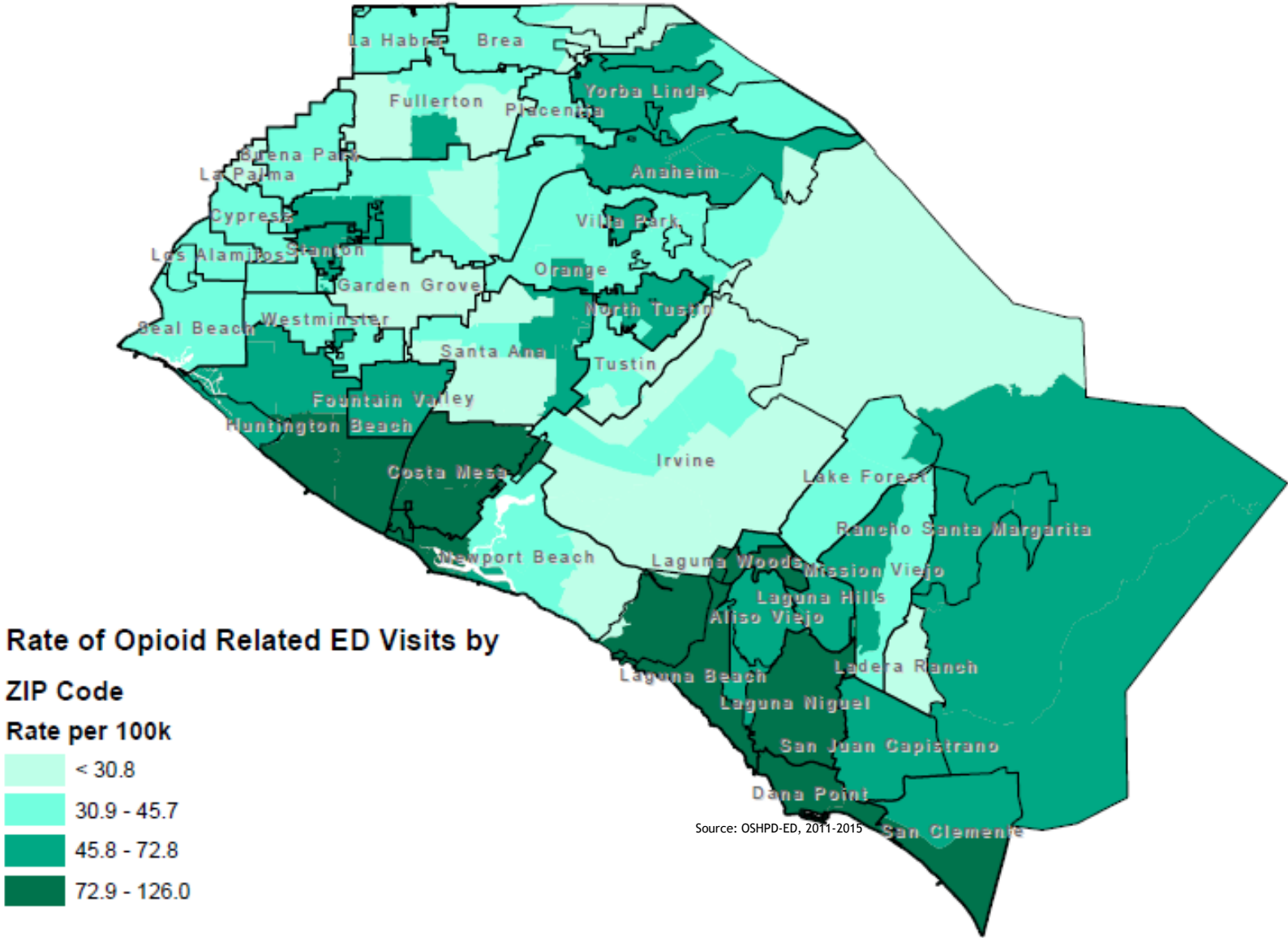
14%

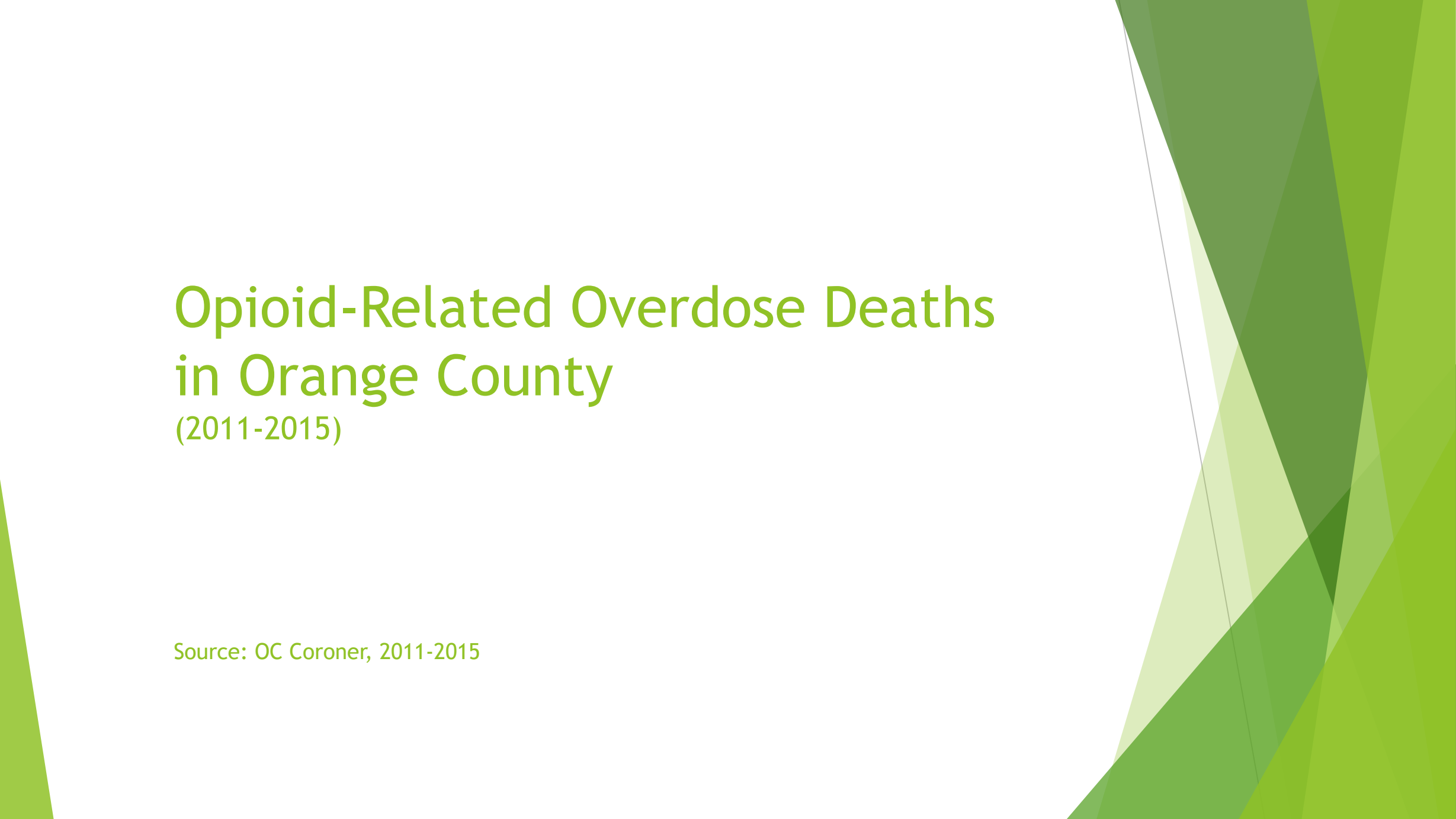
11%

8%



Opioid-Related ED Visits by ZIP Code (2011-2015)

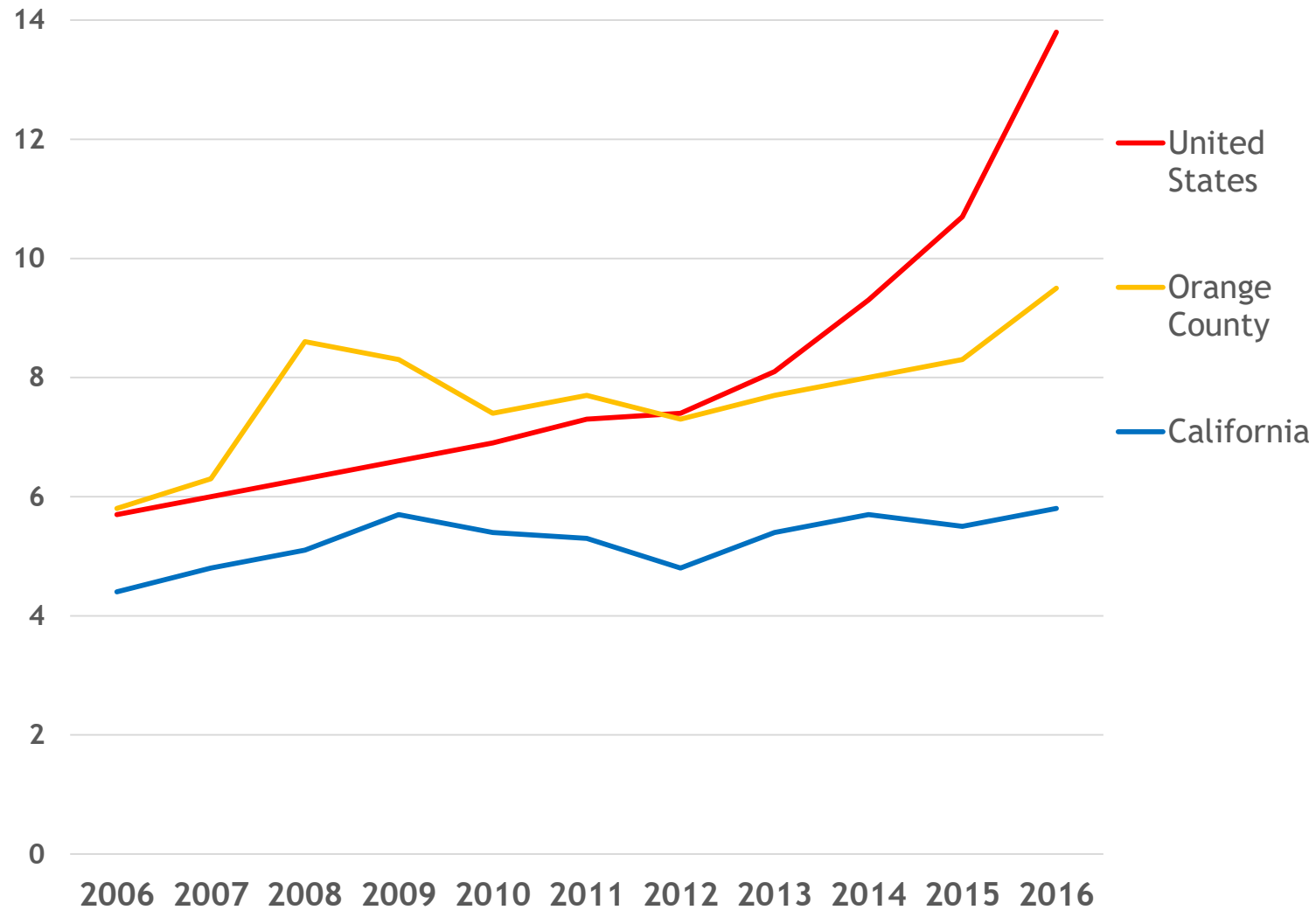


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Opioid-Related Overdose Deaths in Orange County (2011-2015)

Source: OC Coroner, 2011-2015

OPIOID OVERDOSE DEATH RATES



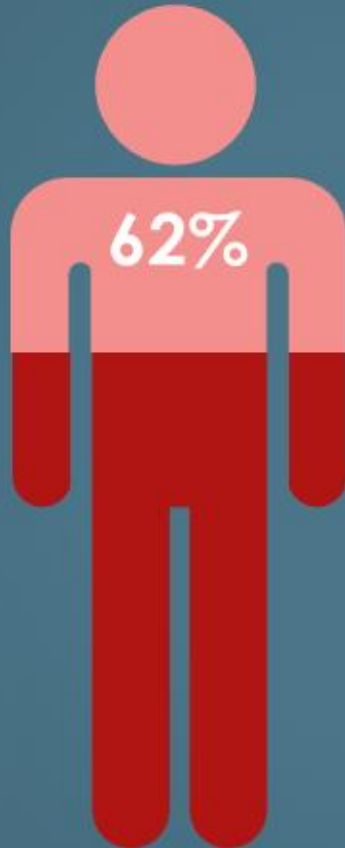
Opioid-Related Overdose Deaths by Gender (2011-2015)



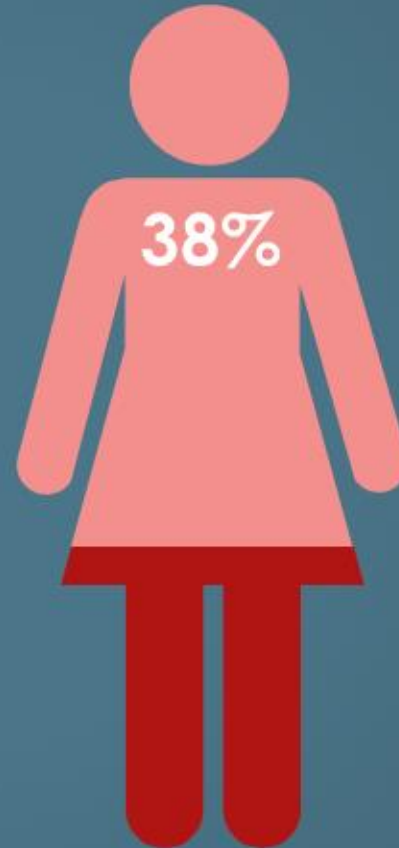
Average number of male overdose deaths per year



Average 5-year male rate per 100,000 persons



MALE



FEMALE



Average number of female overdose deaths per year



Average 5-year female rate per 100,000 persons



Opioid-Related Overdose Deaths by Race/Ethnicity (2011-2015)

NON-
HISPANIC
WHITE



HISPANIC



ASIAN/
PACIFIC
ISLANDER



AFRICAN
AMERICAN

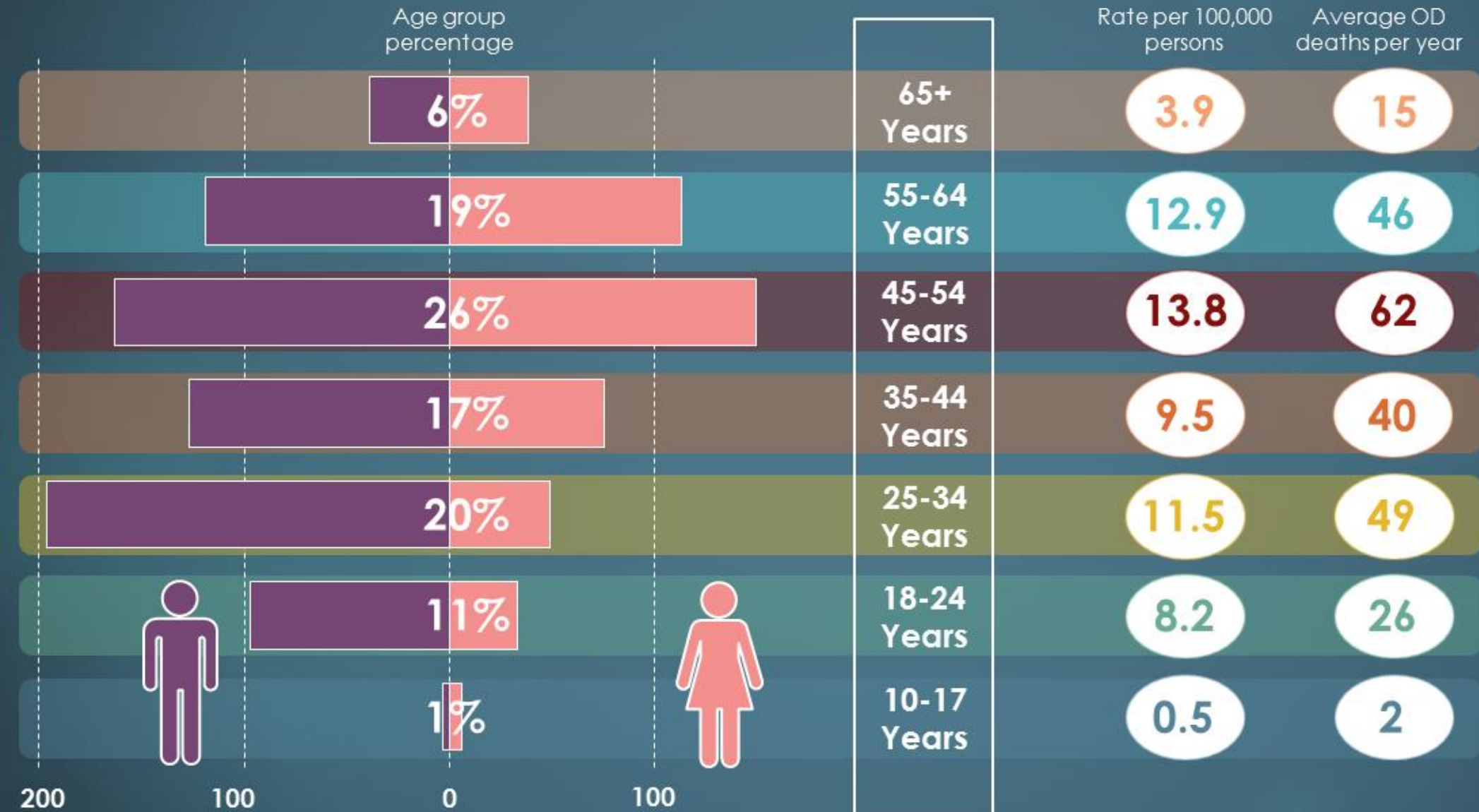


Rate per 100,000
persons

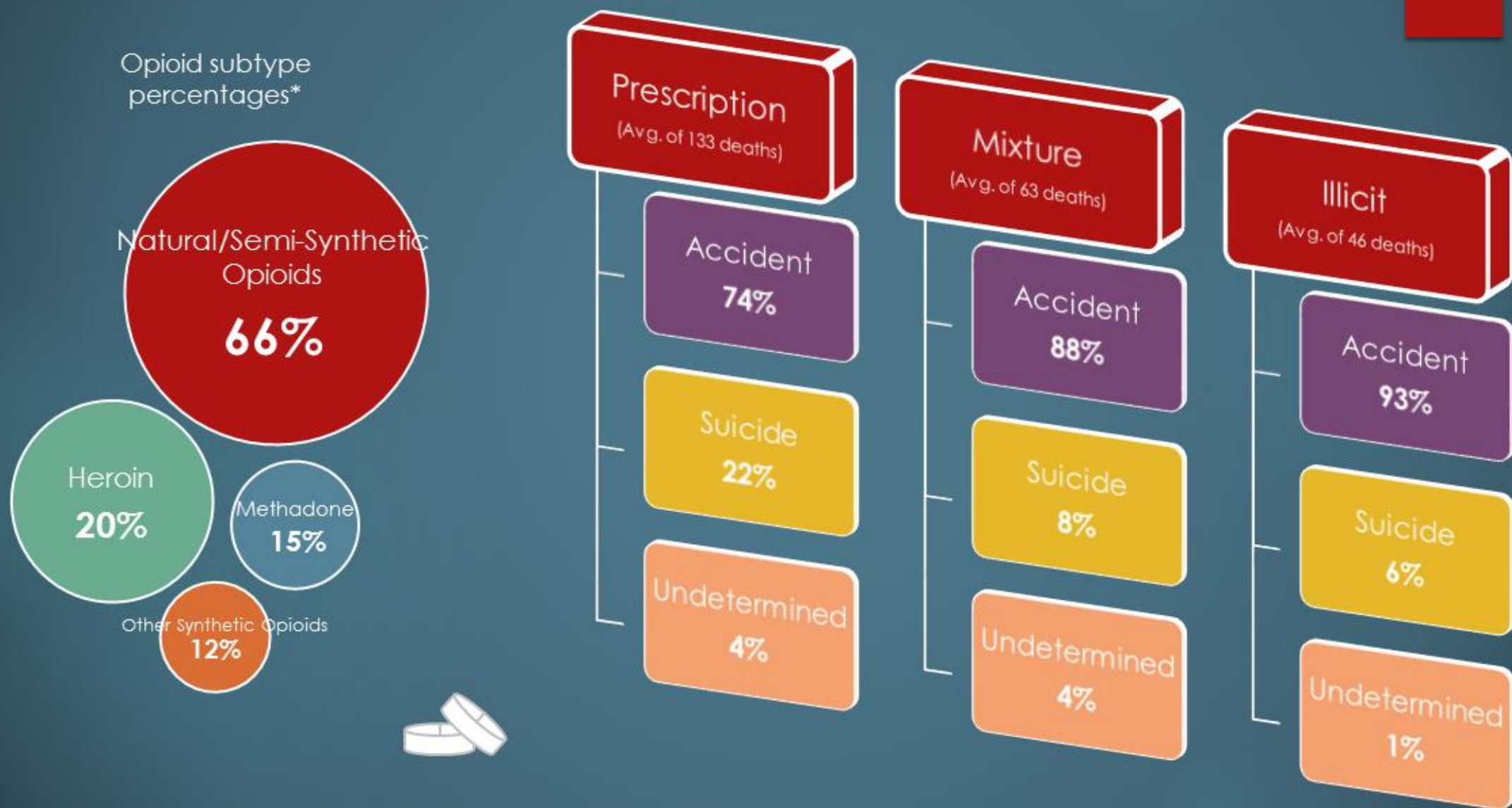


*Rate should be interpreted with caution due to small population size

Opioid-Related Overdose Deaths by Gender and Age Group (2011-2015)

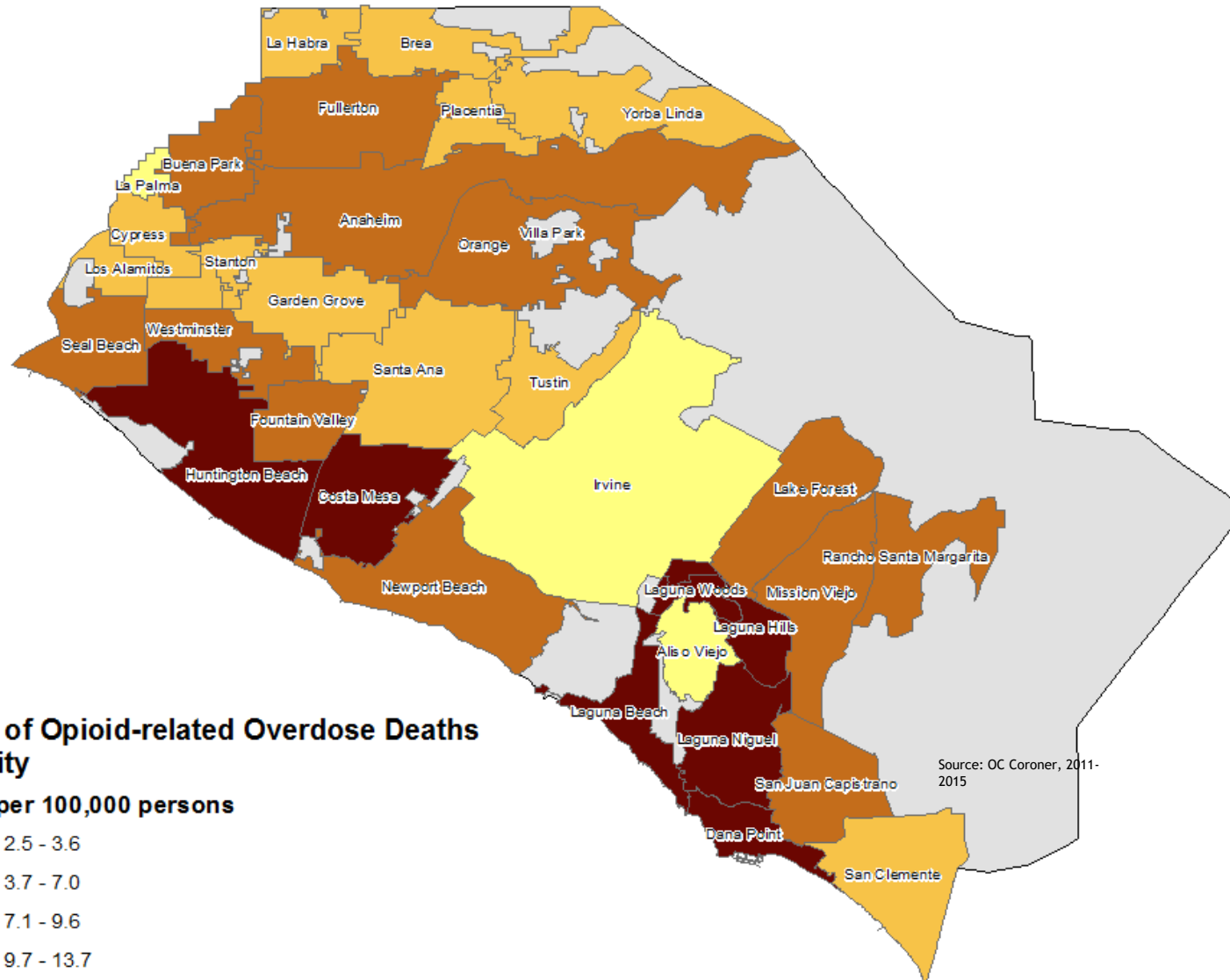


Opioid-Related Overdose Deaths by Opioid Type and Intent (2011-2015)



*Drug cause of death may indicate more than one type of opioid found prior to overdose.

Opioid-Related Overdose Deaths by City (2011-2015)



Opioid-Related ED Visits, Hospitalizations, & Deaths in Orange County

