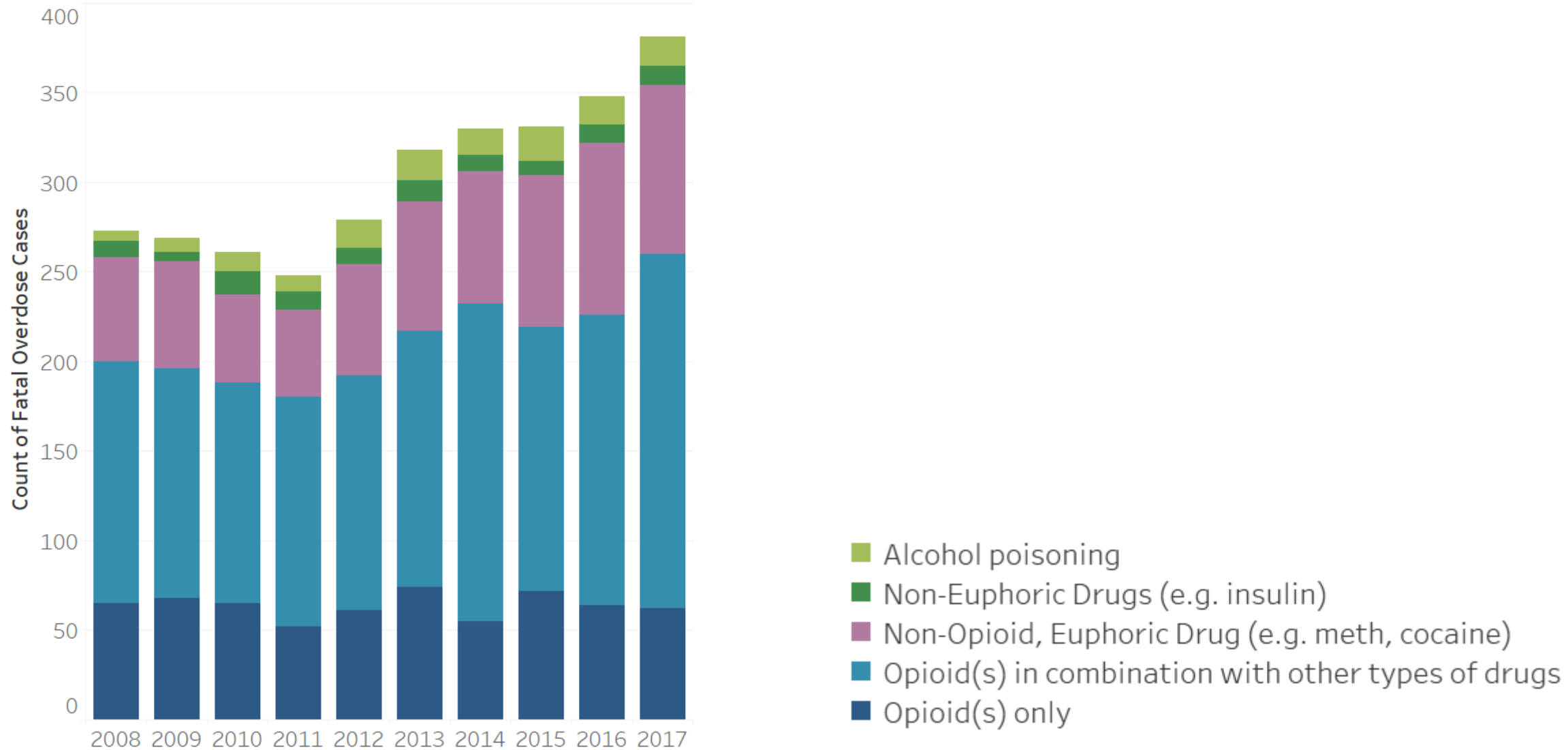


# Drug Overdose Deaths in King County, WA

Jeff Duchin, MD  
Health Officer

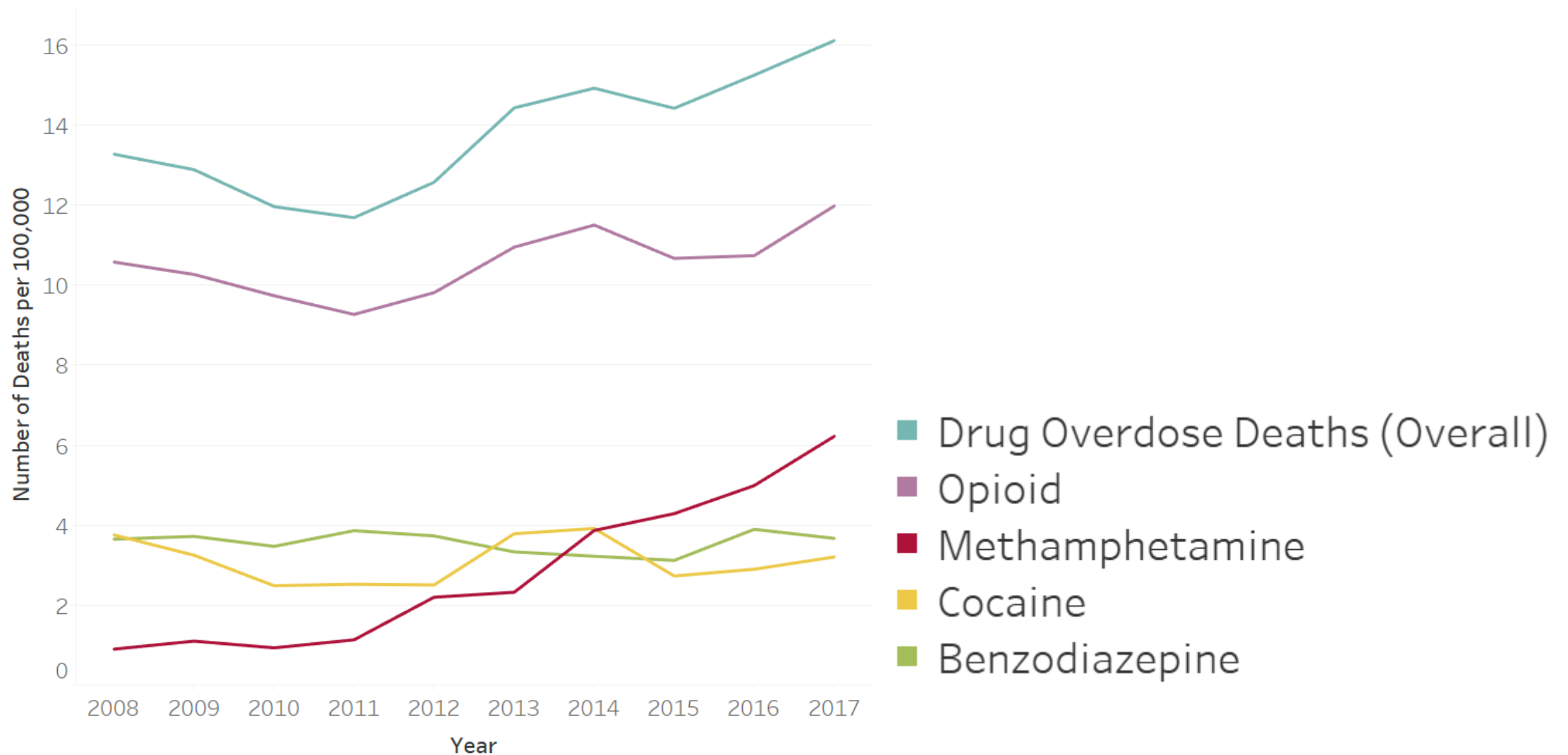
# The number of drug & alcohol caused deaths has increased over the past decade.

Drug Overdose & Alcohol Poisoning Deaths that Occurred in 2008-2017, King County, WA

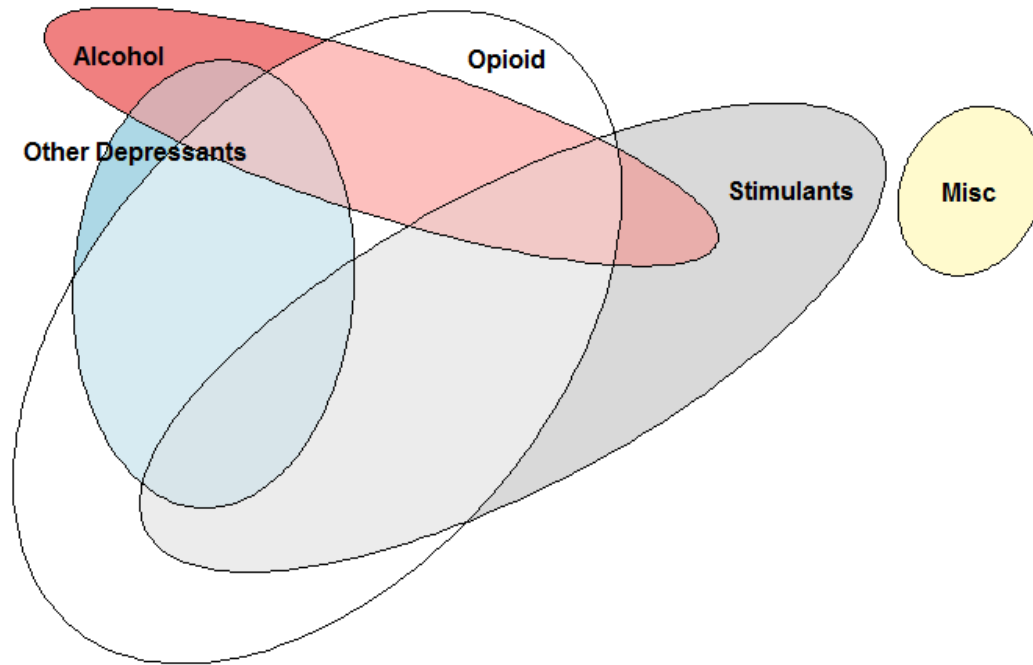


# The rate of methamphetamine-involved overdose deaths has increased dramatically.

Rate of Drug Overdose Deaths in King County, 2008-2017



# Majority of Drug Overdose Deaths Involve Multiple Types of Drugs



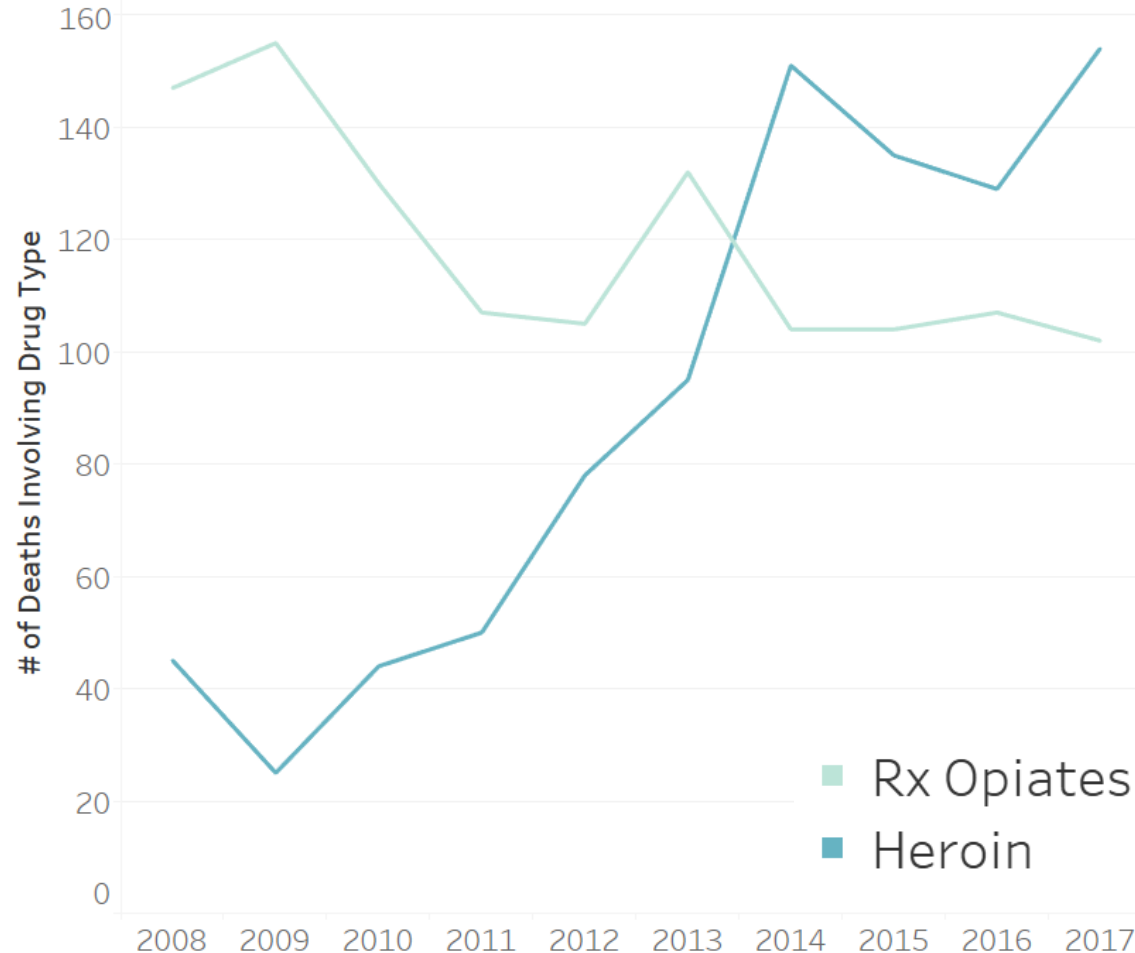
## **Drug Combinations Involved in Overdose Deaths that Occurred in 2017, King County, WA**

Note: Ovals and overlapping areas are proportionate to the number of overdoses attributed to the type of drug(s) present at time of death.

Number of deaths involving prescription opioids ↓

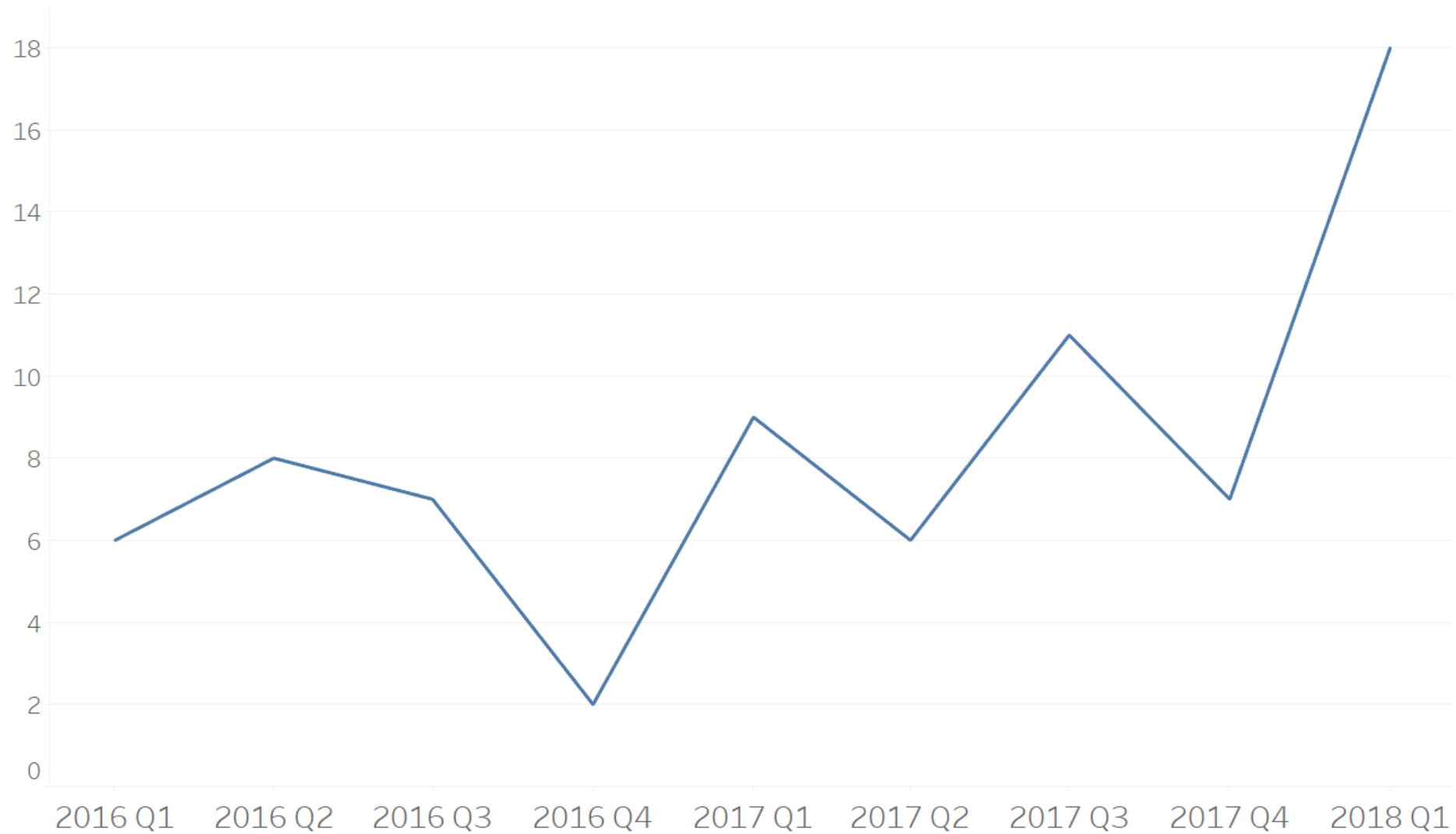
Number of deaths involving heroin ↑

Type of Opioid Involved in Opioid Overdose Deaths in King County, WA, 2008-2017



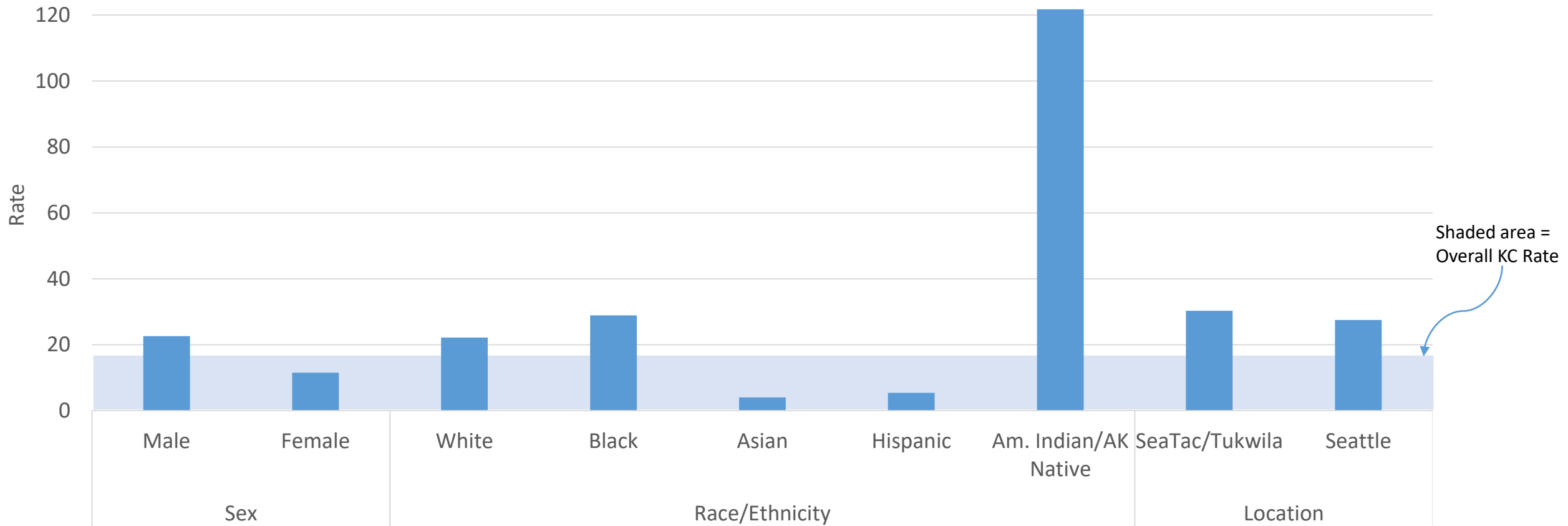
# Number of deaths involving fentanyl ↑

Number of fentanyl-involved deaths, by quarter, in 2016-2018, King County, WA

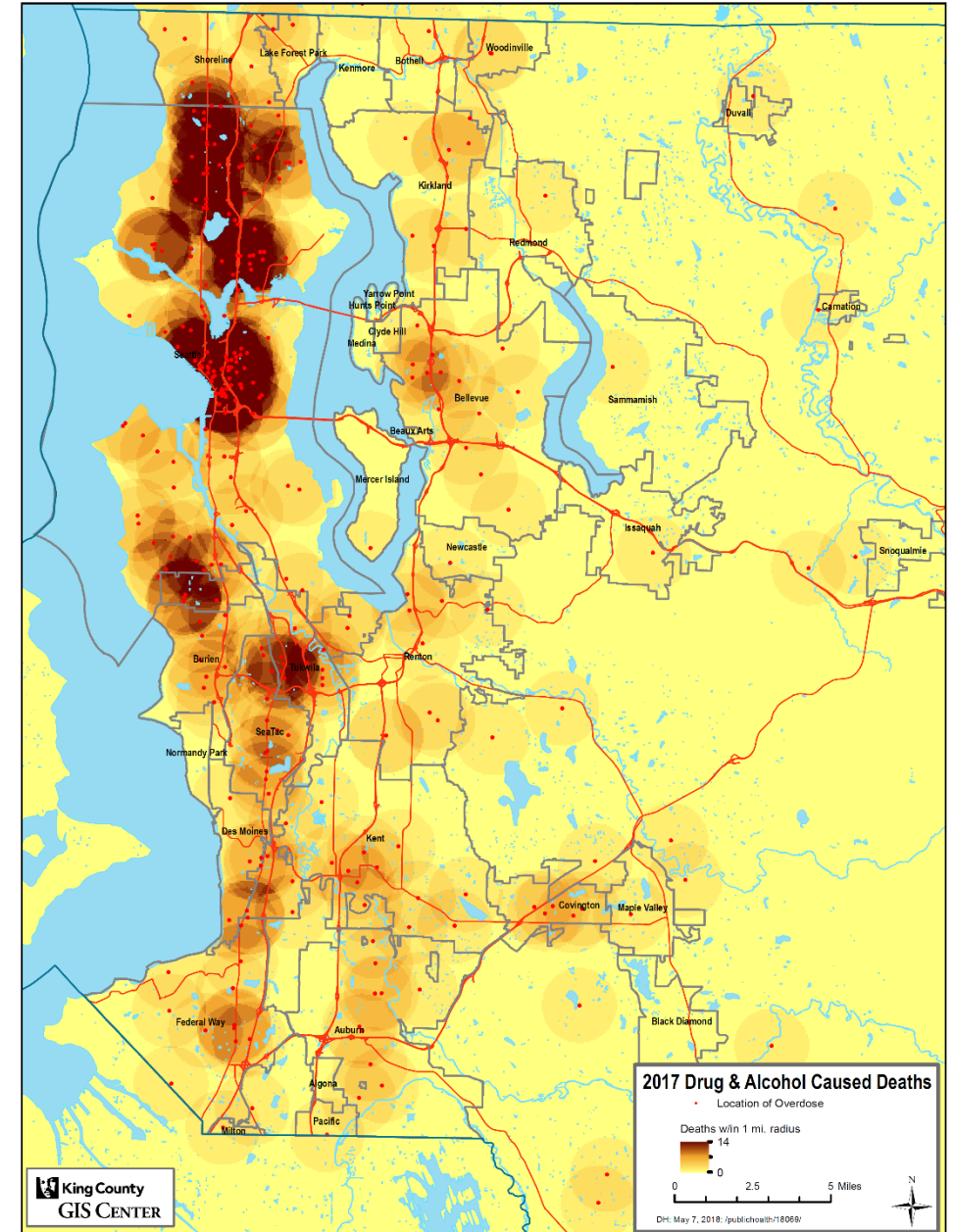


# Disparate Incidence of Overdose Deaths

# of Alcohol & Drug-Caused Deaths per 100,000



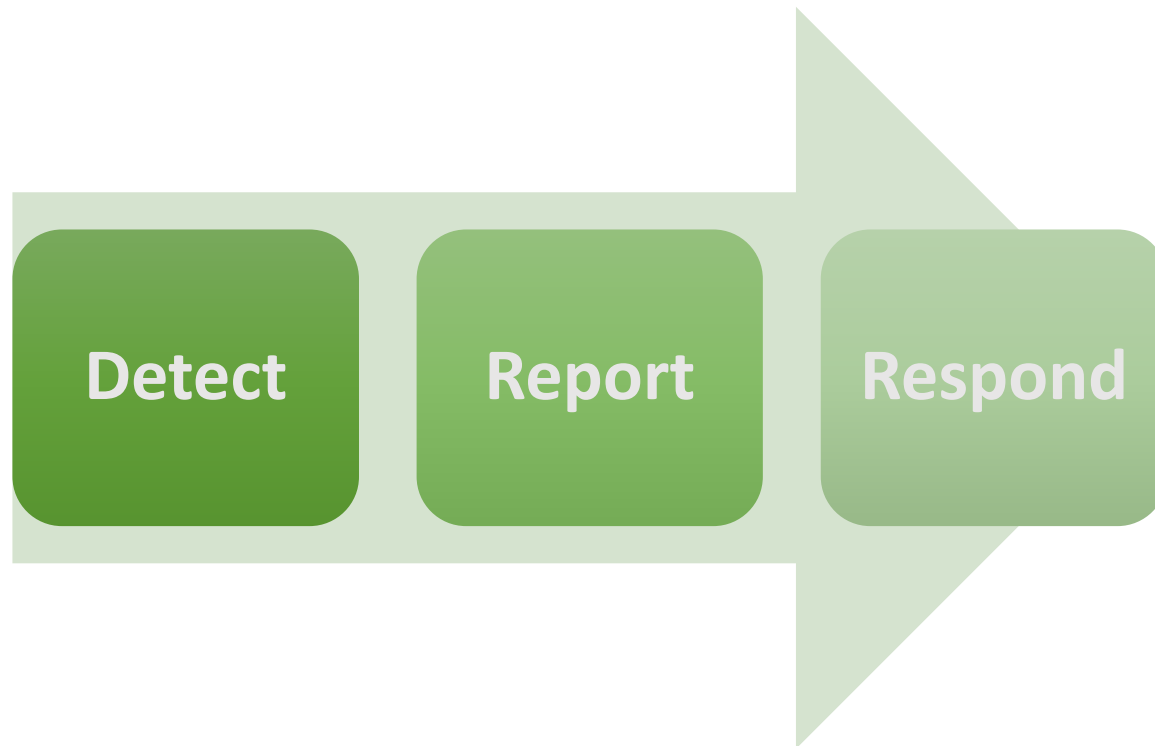
# Drug & alcohol caused deaths are concentrated in **west** King County





# Data-Informed Overdose Prevention Efforts

# Monitor overdose in near real-time



- Identify emerging drug threats and clusters
- Expedite toxicology testing
- Implement rapid response measures

# Triangulate Data from Multiple Sources

- Overdose deaths
  - Medical Examiner data
  - Vital Statistics
- Non-fatal overdose
  - Emergency medical services
  - Emergency department visits
  - Hospitalizations
- Law enforcement data
  - Seizures
  - Arrests/bookings
- People who Use Drugs
  - Surveys
    - Needle Exchange Survey
    - NHBS
  - Administrative data
    - Medical records
    - Insurance claim data
    - Homeless service providers
  - Qualitative assessments
    - One-on-one interviews
    - Focus groups

Questions?

Extra Slides

# Task Force Recommendations

- Prevent substance use disorder
  - Raise awareness
  - Promote safe storage & disposal of medications
  - Improve screening practices at schools and clinical settings
- Expand treatment options
  - Increase availability of buprenorphine
  - Make treatment on demand available for all types of substance use disorders
  - Remove barriers to opioid treatment programs
- Implement overdose prevention programs
  - Distribute naloxone
  - Establish a community health engagement location