



Creating better health outcomes for all people who use substances

We study and support pharmacologic, behavioral, and
system interventions addressing substance use and
related health outcomes.

Population Health Division, San Francisco Department of Public Health

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Past (19) and Current (10) Projects

- **Stimulants**
- **Alcohol**
- **HIV/HCV interventions**
- **Overdose / opioid safety**

Stimulants

Past Projects

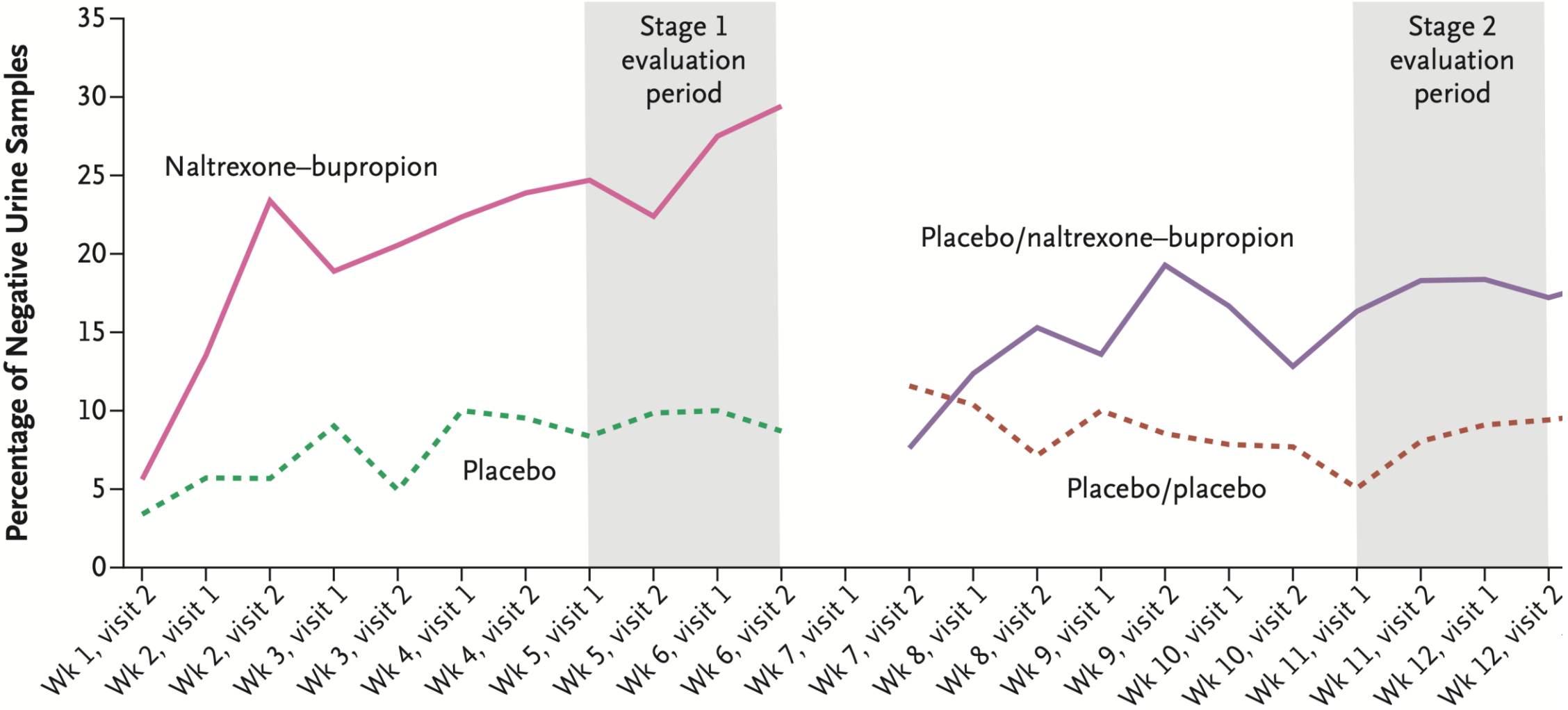
- **Methamphetamine:**

- Bupropion, aripiprazole, XR-naltrexone, mirtazapine x2
- bupropion plus XR-naltrexone

- **Cocaine:**

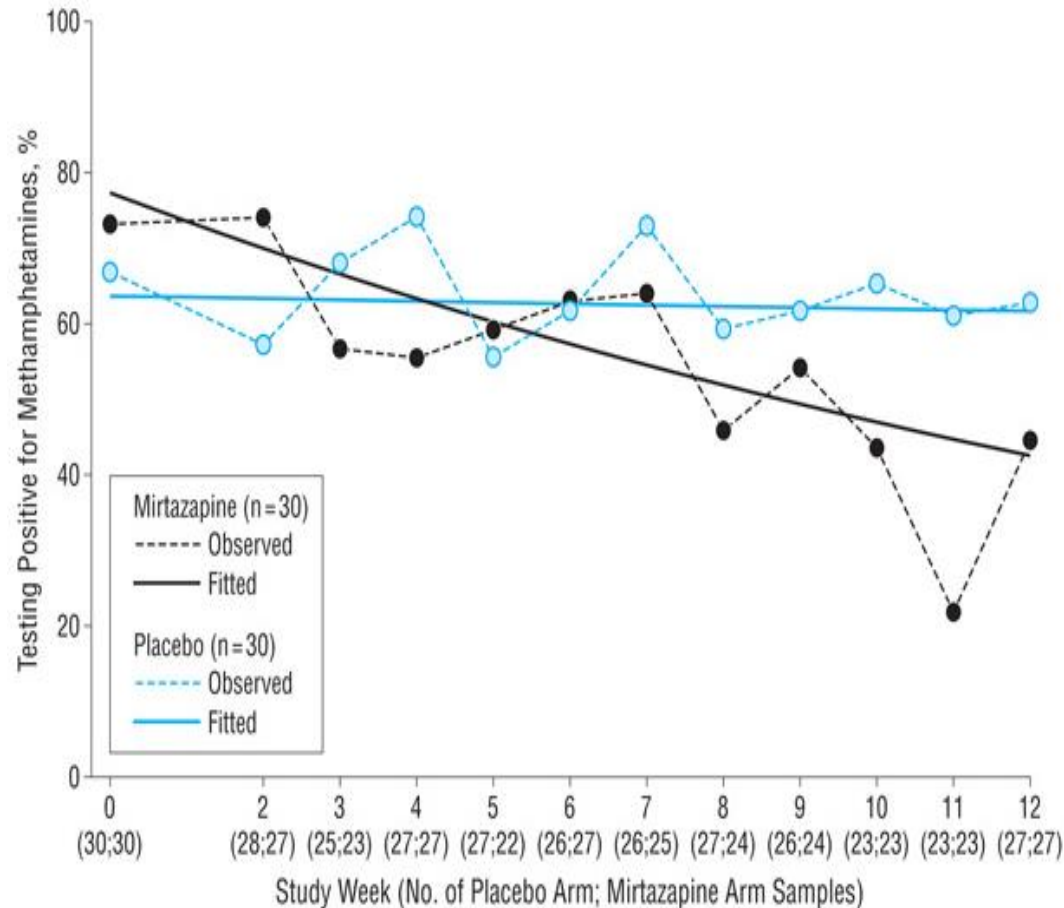
- Lorcaserin

Bupropion + ER-Naltrexone for MA Use Disorder



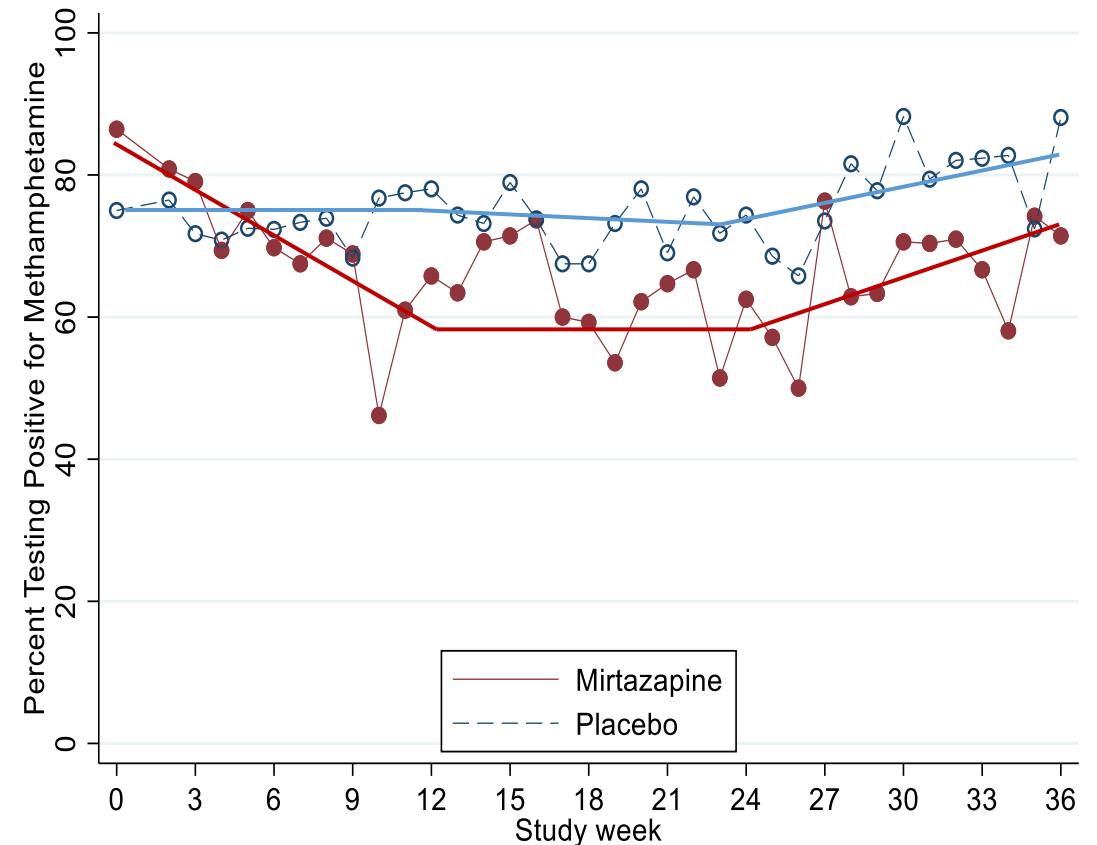
Mirtazapine for MA Use Disorder (and HIV risk reduction)

Mirtazapine 1.0 (N=60; MSM)



Colfax, Arch Gen Psych 2011

Mirtazapine 2.0 (N=120; MSM/TGWSM)



Coffin JAMA Psych 2020

Stimulants

Past Projects

• Methamphetamine:

- Bupropion, aripiprazole, XR-naltrexone, mirtazapine x2
- Bupropion plus XR-naltrexone

• Cocaine:

- Lorcaserin



Alcohol

Past Projects

- XR-naltrexone
- Intermittent oral naltrexone



KUDZU



Blood-borne Viruses

Past Projects

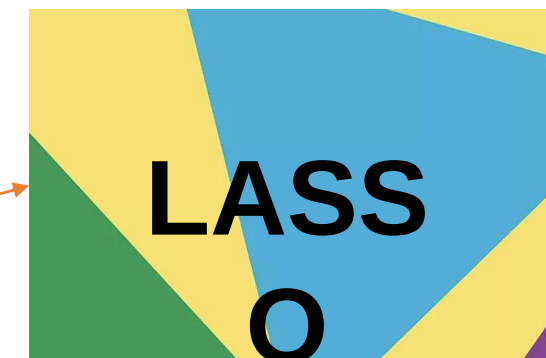
- Personalized cognitive counseling for substance-using MSM – a CDC EBI
- HCV treatment adherence for people injecting drugs



Overdose / Opioid Safety

Past Projects

- Syringe access program-based overdose education
- Naloxone co-prescribing in primary care
- Opioid overdose prevention (REBOOT)
- Academic detailing
- Impacts of reduced opioid prescribing



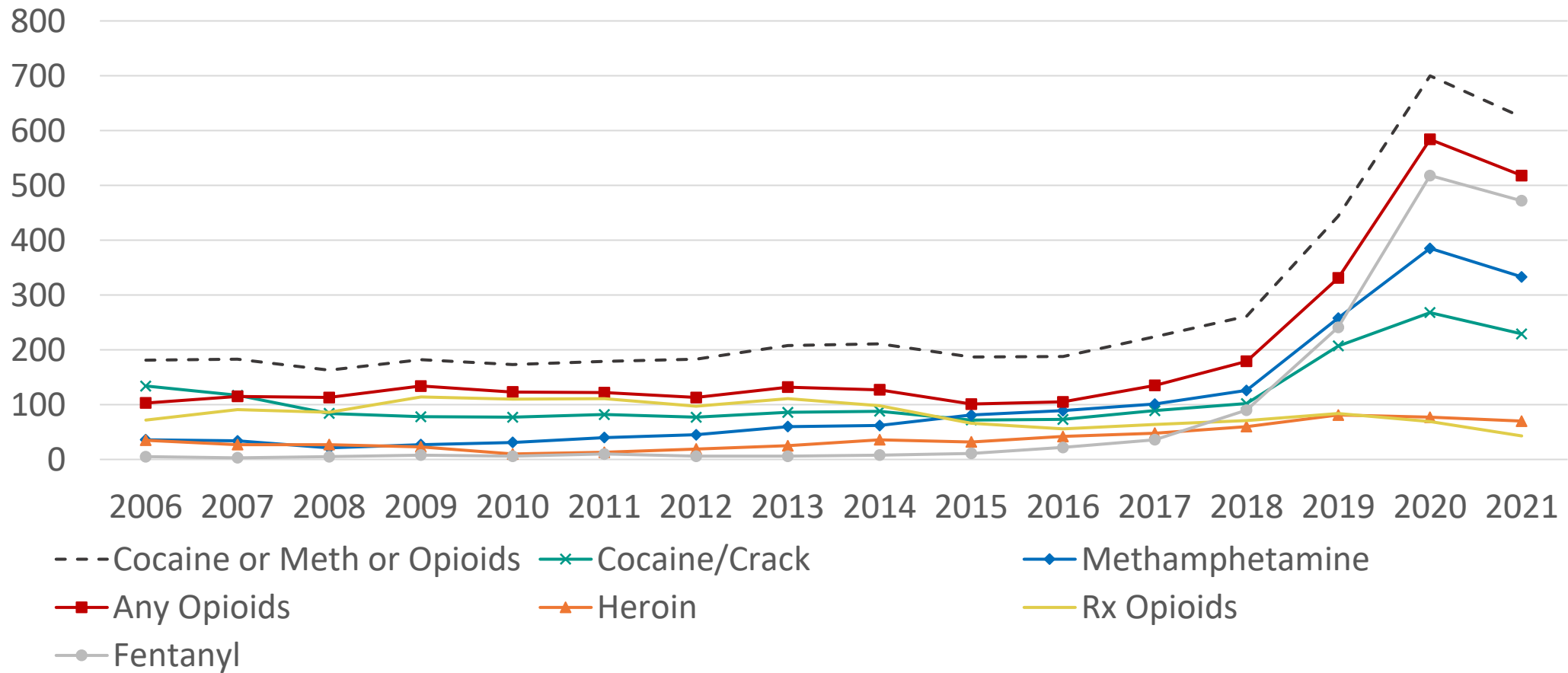
- Local overdose and response epidemiology

Medical Record Evidence of Pre-Mortem Opioid Use Among Overdose Decedents in San Francisco

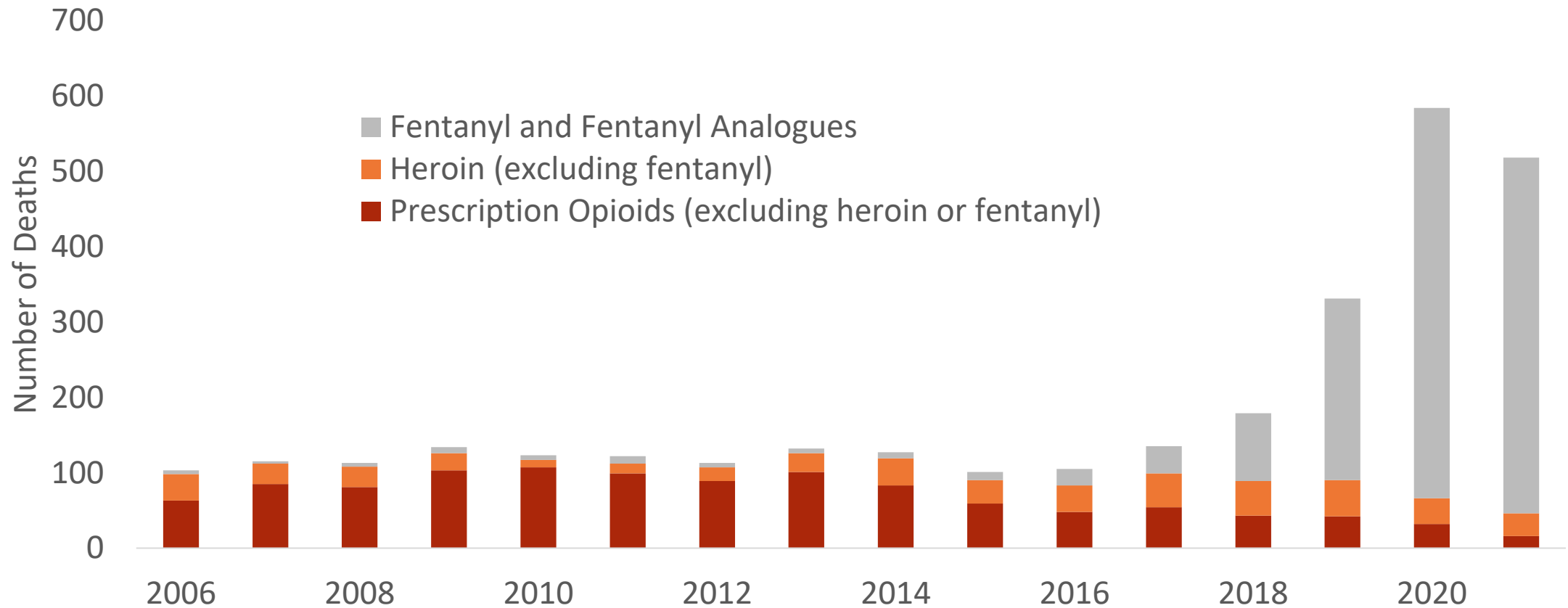
	Stimulant only (n=140)	Stimulant- fentanyl (n=220)	Fentanyl only (n=34)	Non-fentanyl opioids (n=112)	p-value
	%	%	%	%	
Clinical History of Opioid Use in 3 Years Preceding Death	48%	56%	65%	82%	<0.001

Much lower
than expected

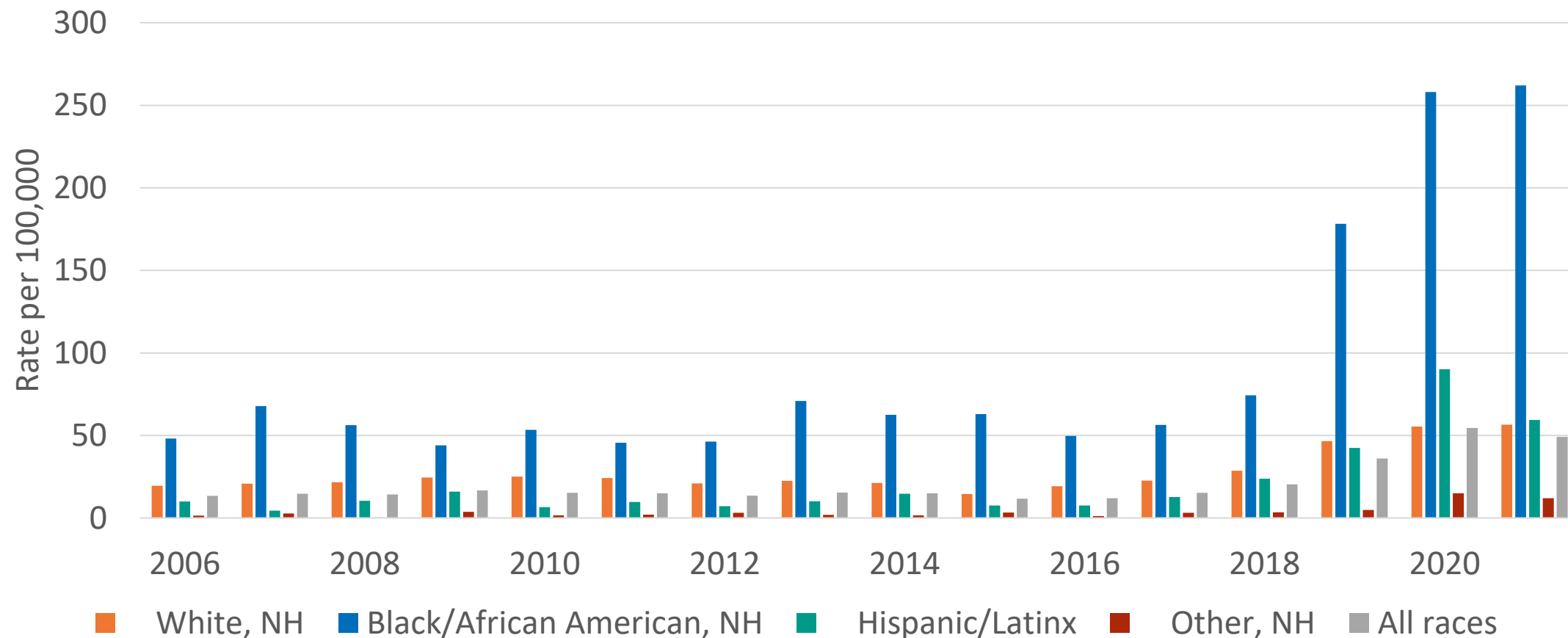
Annual Report on Substance Use Trends in SF: Opioid & Stimulant Overdose Deaths



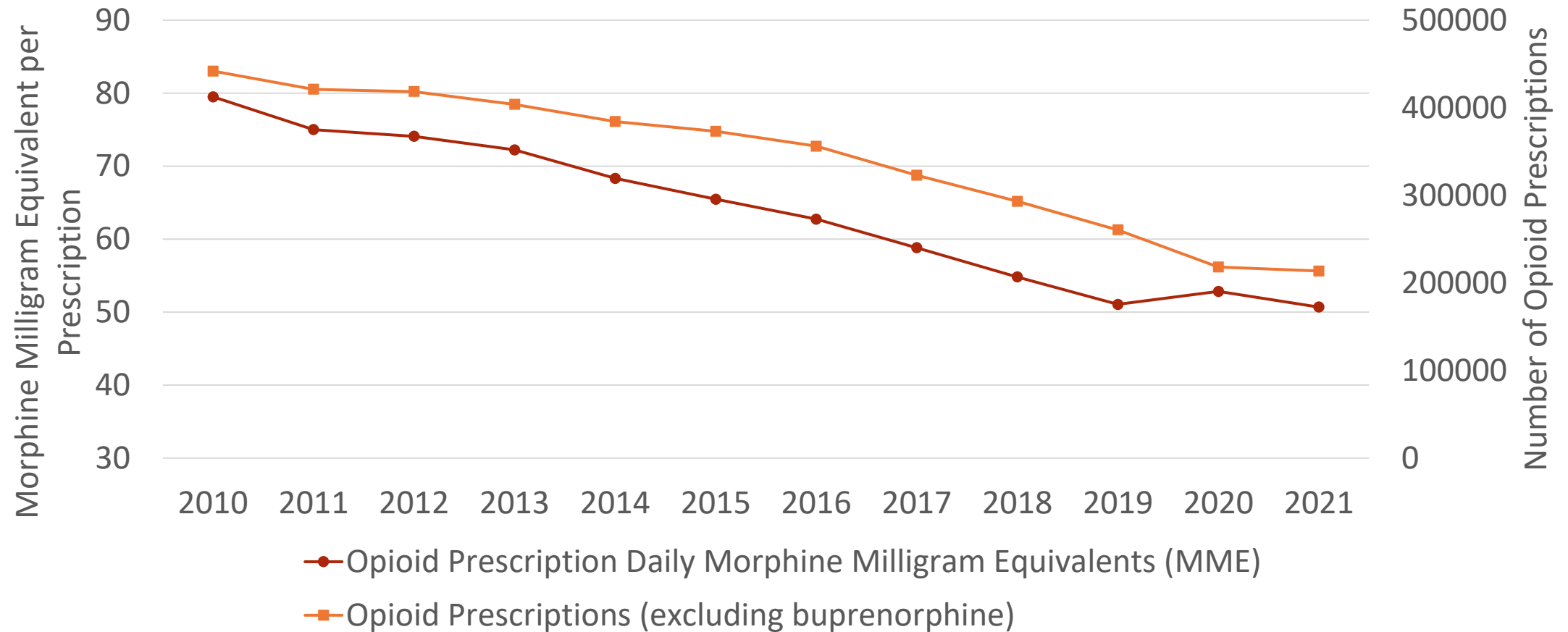
Opioid Overdose Deaths by Opioid Type



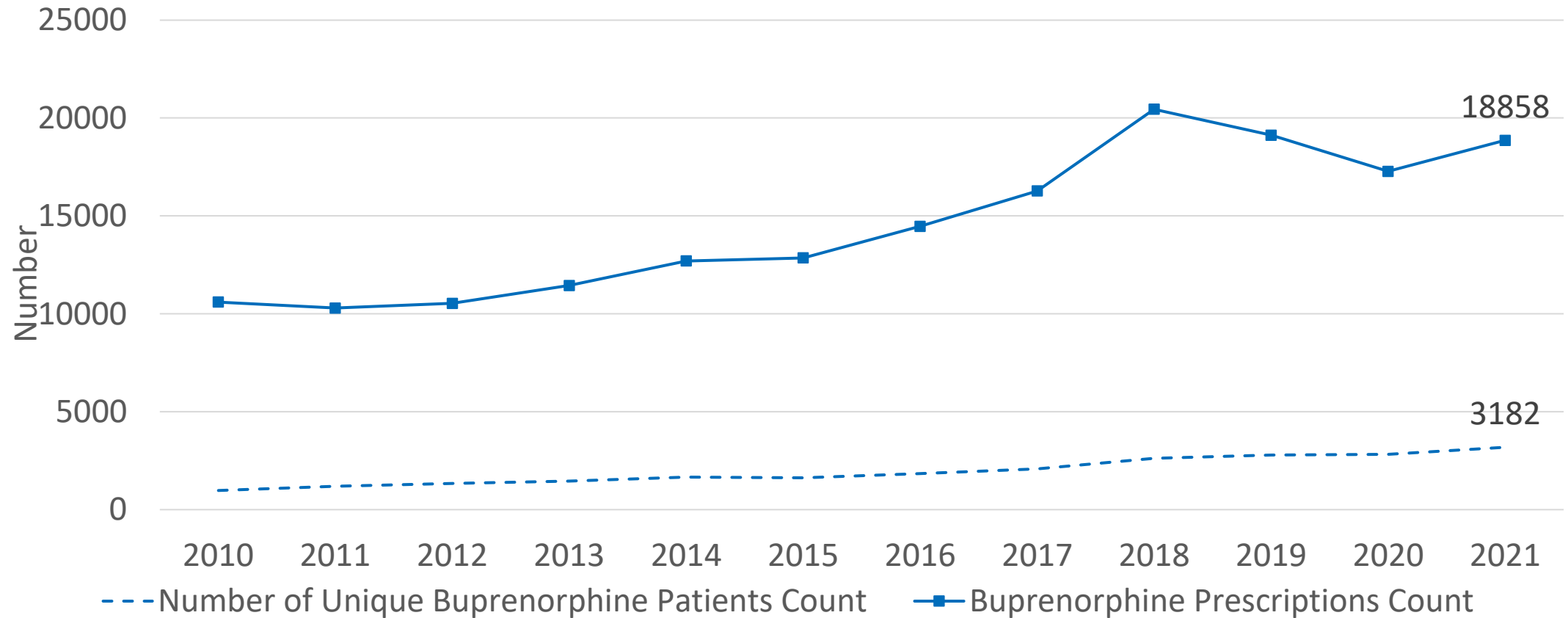
Opioid Overdose Death Rate by Race/Ethnicity



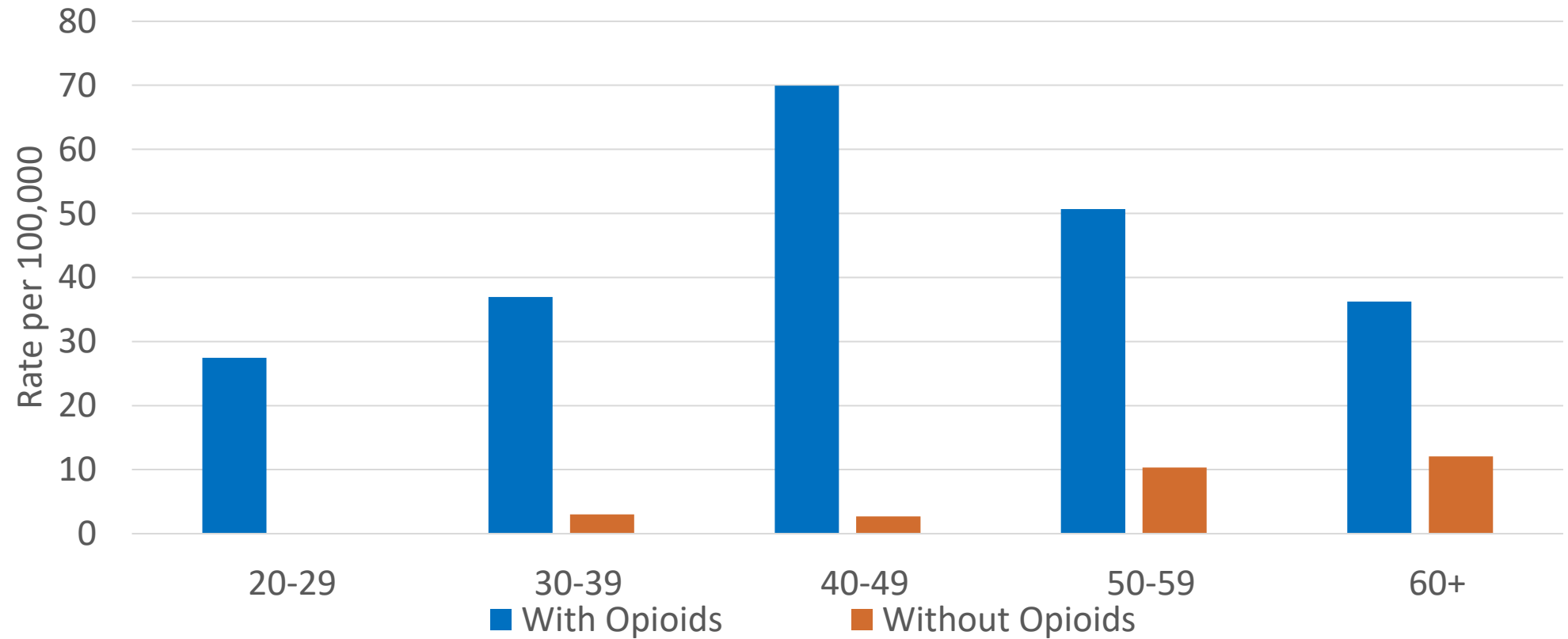
Opioid Prescriptions in San Francisco



Buprenorphine Prescriptions in San Francisco



Rate of Cocaine Toxicity Deaths with and without Opioids by Age Category, 2021



Research ... in a health department??

