

# Contra Costa Health Services 2017 Opioid Overdose Data and Vignettes

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With Special Thanks to: Sarah Wali and Melissa Hermerding-Lim, MPH



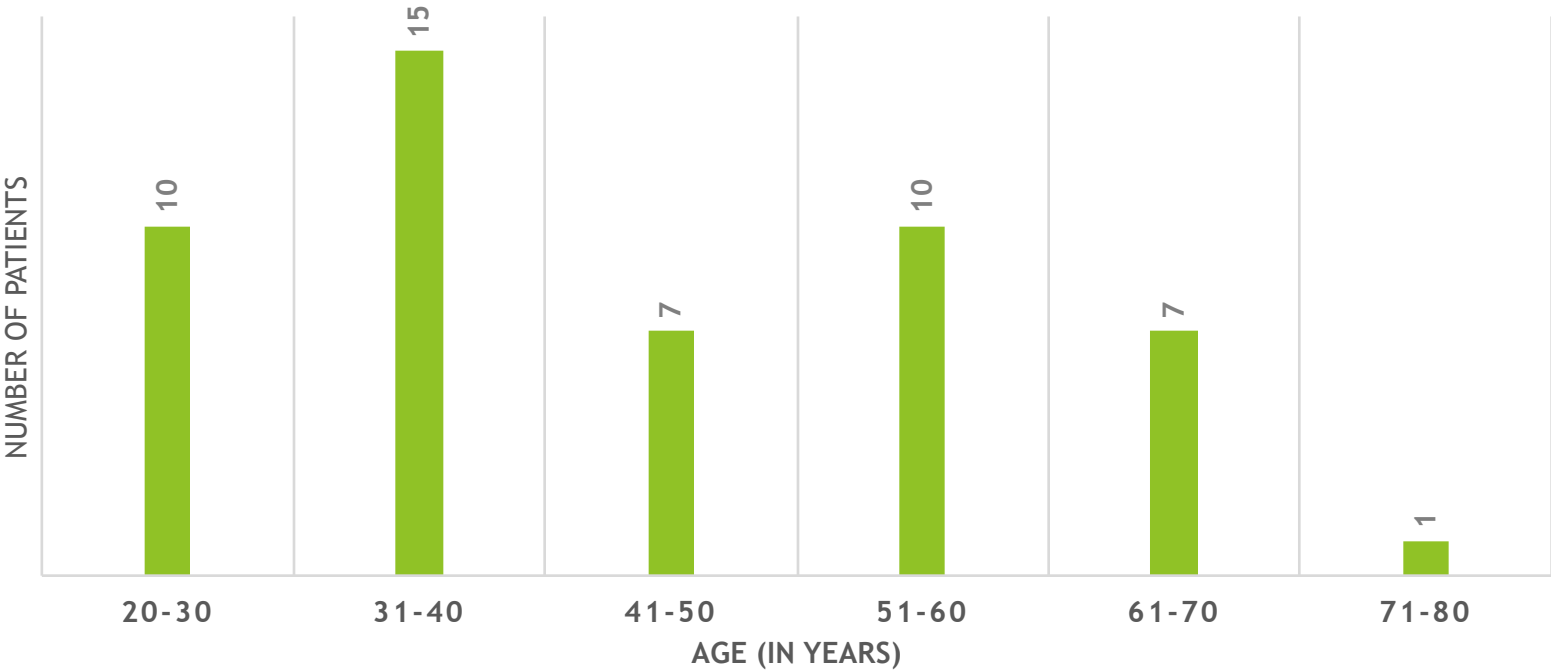
# Contra Costa Statistics

- Population 1.15 Million (3<sup>rd</sup> largest in Bay Area by population)
- Success in reducing opiate prescriptions: 30% reduction 2012→2018. Similar reduction in MME, Opiate/benzo combo
- Successful and large county MAT program (Choosing Change) with over 500 patients enrolled, 5 sites, 13 weekly groups plus 1:1 option for patients.
- County wide 18% increase in buprenorphine prescriptions 2015→2018
- Opiate overdose deaths slightly below state average
- **Increasing opiate overdose rate (47% increase 2015→2017). Why? Who is dying of opiate overdose? How can we reach those patients better**

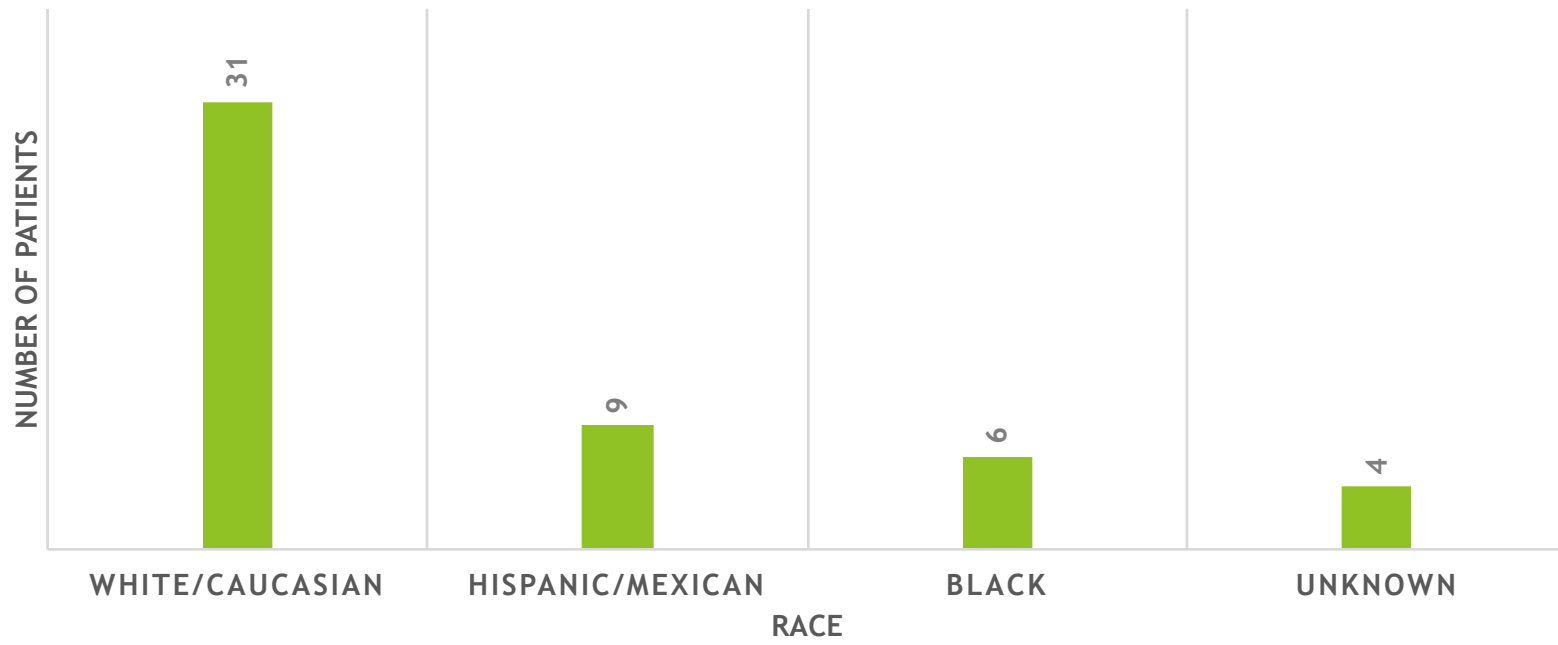
# Methods

- ▶ **Patient Cause of Death** information and demographics were gathered from death certificates. It was first de-identified to protect patient privacy.
- ▶ Prescription opiate and benzodiazepine **medication information** was gathered from the Controlled Substance Utilization and Review System (CURES). Other non-controlled medication information was gathered from CCHP
- ▶ Any **connections to county addiction programs and diagnoses** were obtained from Substance Abuse Data
- ▶ Any **connections to behavioral/mental health** were obtained from cclink (our county's EHR)
- ▶ Any **connection to detention facilities** were obtained from cclink
- ▶ Any **connection to CCHP services or Care Everywhere records** were obtained from cclink

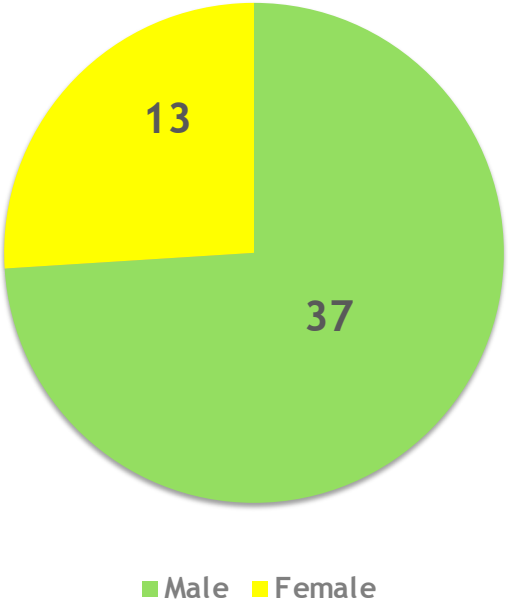
# Age Distribution



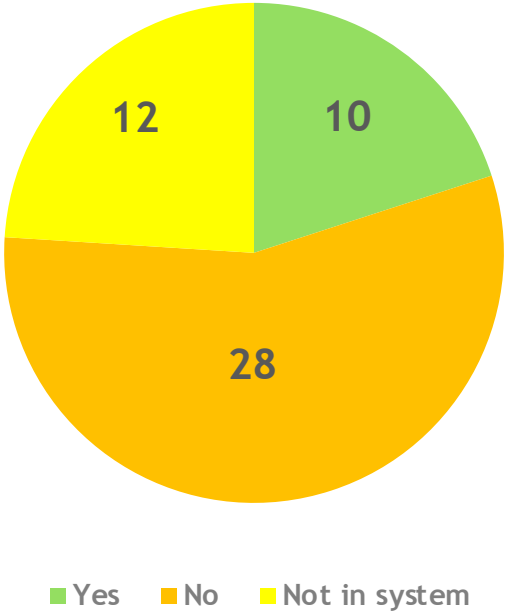
# Race



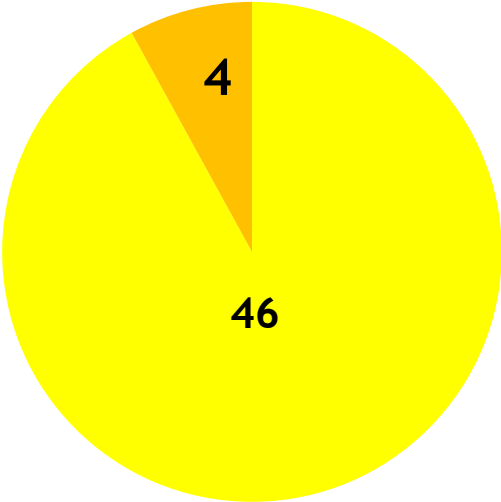
# Biological Sex



# Recorded Homeless/At Risk for Homelessness



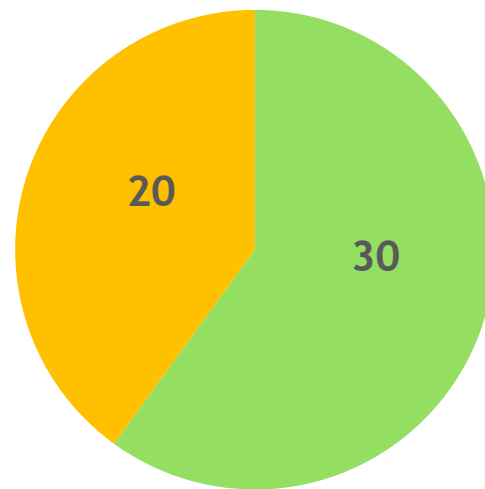
# Manner of Death (as determined by Coroner)



■ Accidental ■ Intentional



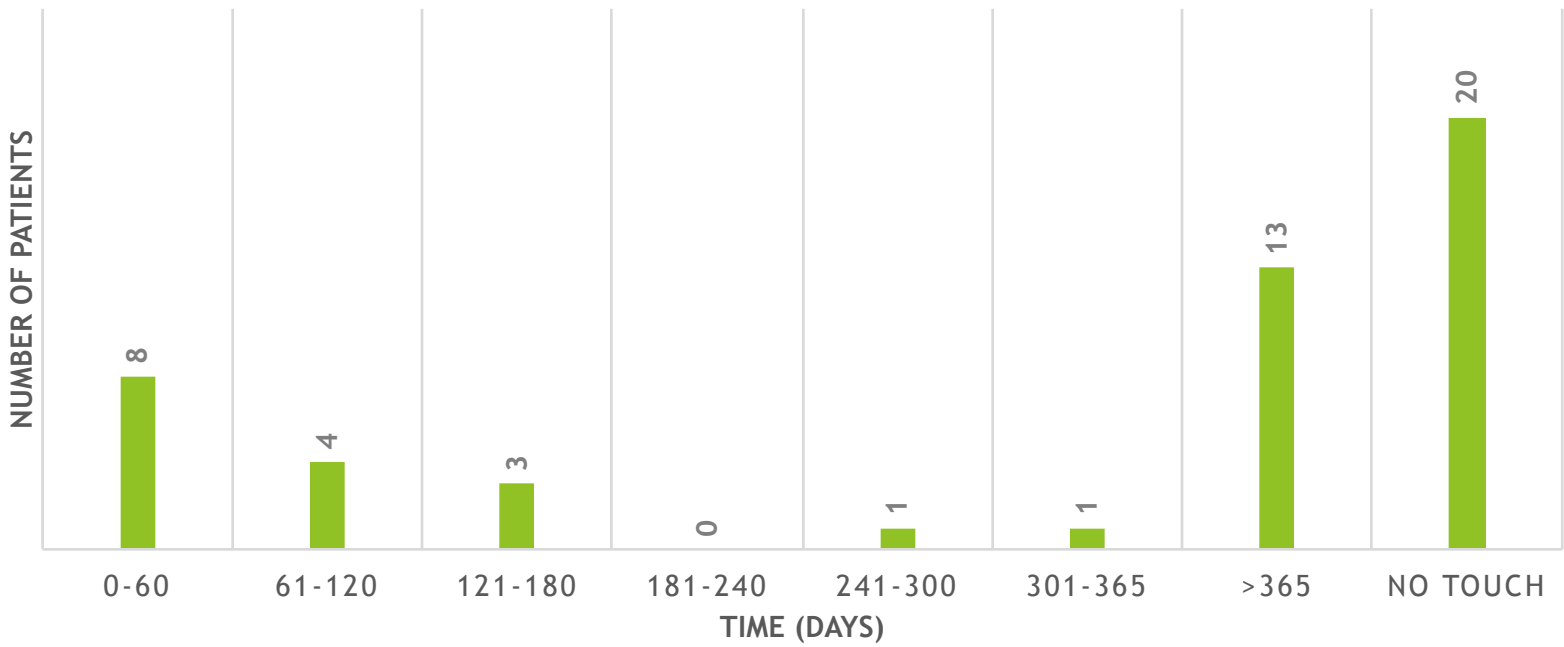
# Connection to Contra Costa Health Services



■ Connected, touches ■ No touches



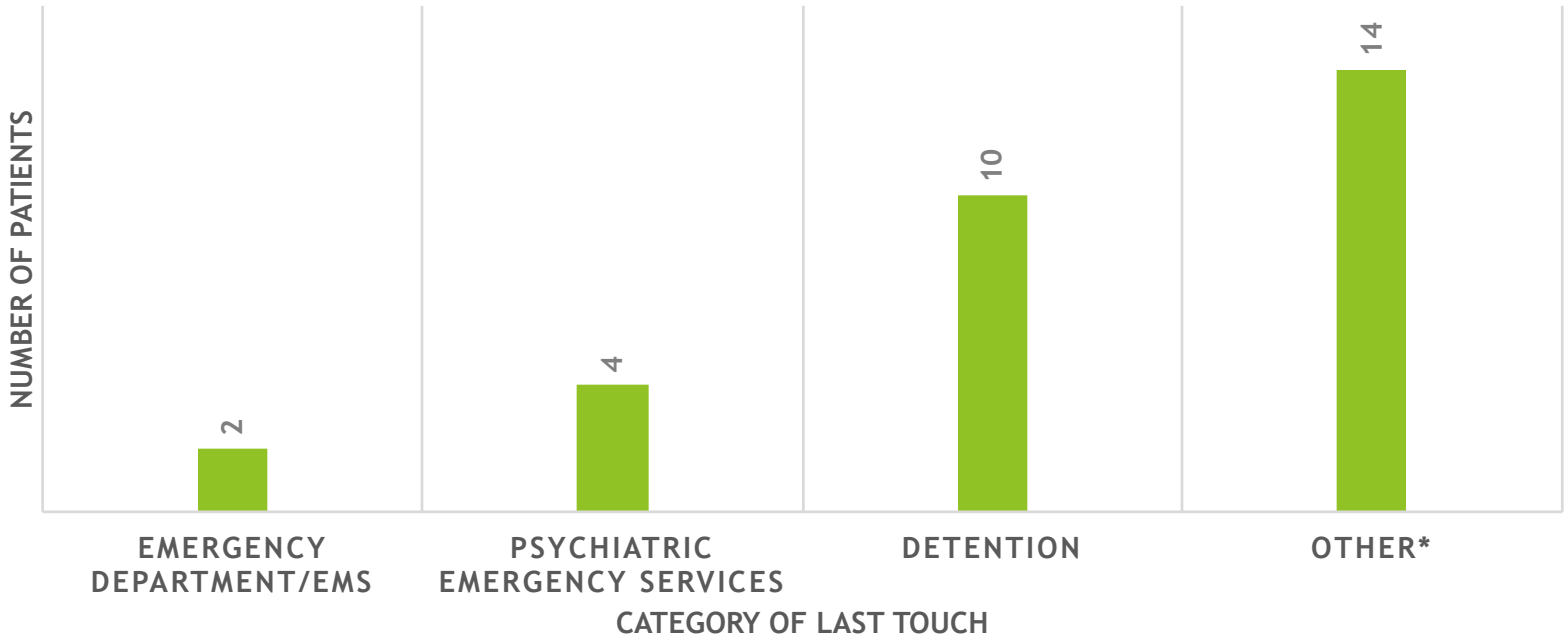
# Time Between Last Touch with our System and Patient Death



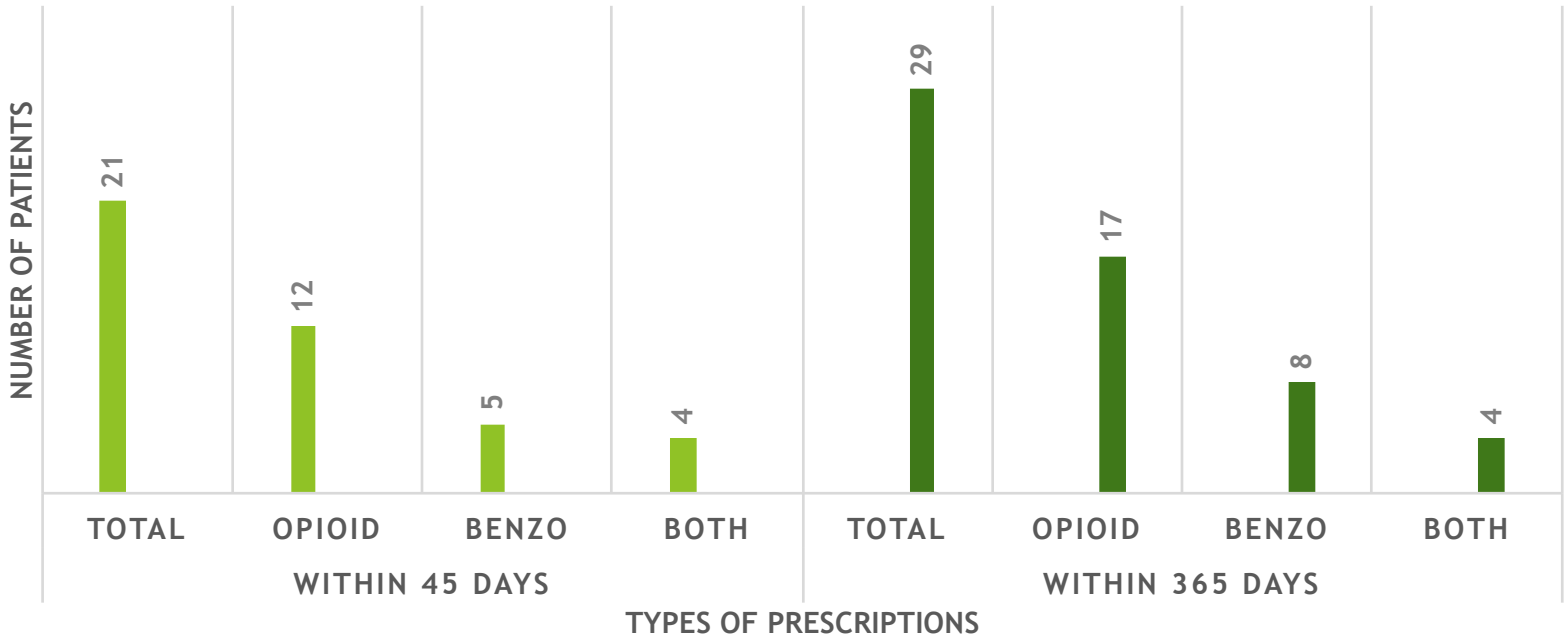
# Table 1: Patients with Last Touch with our system within 0-60 days of Deaths

Service	Days Between Service and Death (do not include service day)
Other (appointment)	1 Day
Other (call)	1 Day
Detention	11 Days
Other (Behavioral Health appointment)	11 Days
Other (Call)	28 Days
Detention	31 Days
Other (Appointment)	34 Days
Other (call)	41 Days

# Category of Last Touch (ALL Patients)



# Patients' Last Prescriptions (General type)



## Last Prescription (Specific Opioid and/or Benzodiazepine)

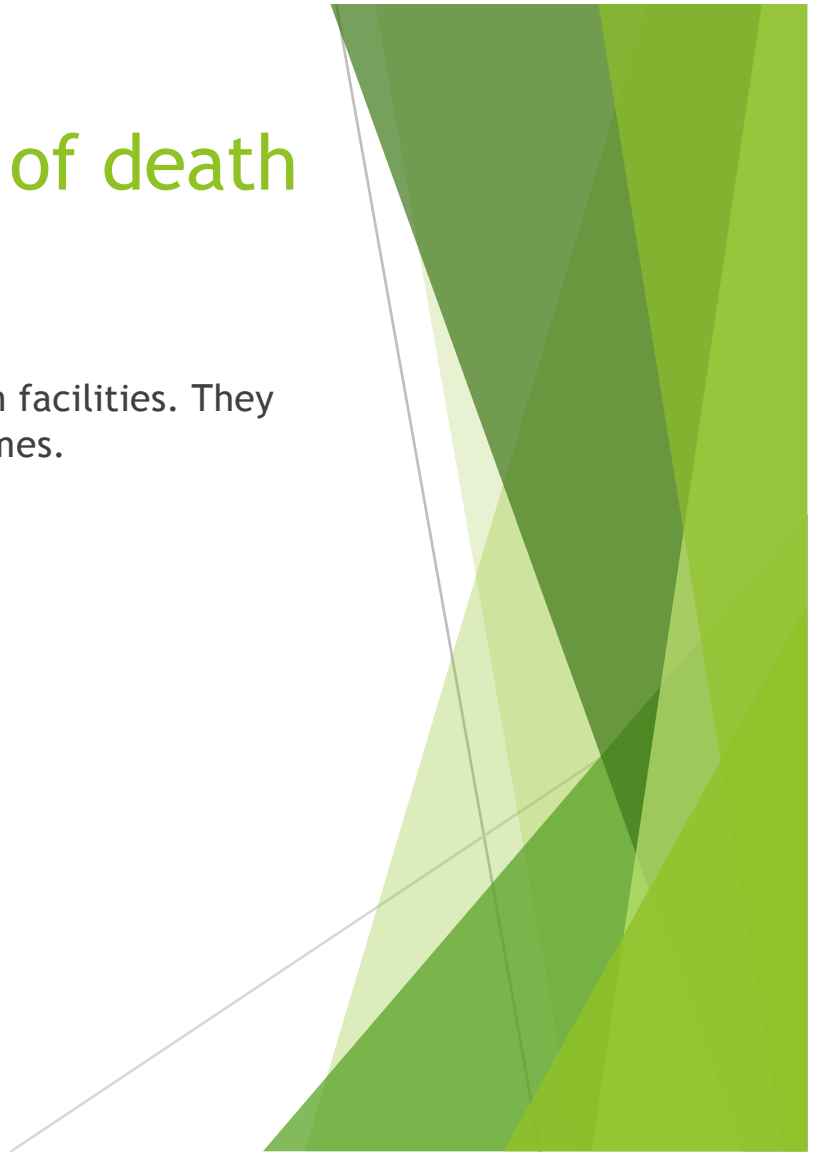
- ▶ At least 29 patients out of 50 had their last prescription within 365 days of death.
  - ▶ 21 of these patients had their last prescriptions within 45 days of death.
    - ▶ Of these 21 patients, 12 patients had died with the some/all the same substance(s) as their last prescriptions within their system.
- ▶ 6 patients last recorded prescriptions were >365 days before death.
- ▶ The remaining 15 patients had no recorded prescriptions.

## Recorded Emergency Department visits within 365 days of death

- ▶ At least 10 patients within our county visited any Emergency Department (ED)/utilized Emergency Medical Services (EMS) within Contra Costa County (CCC) (either within our system or outside EDs like Kaiser, John Muir, Sutter etc). There was a total of 54 ED visits to any ED.
  - ▶ Of these 10 patients, 6 visited an ED within our system. There were 15 visits to our EDs.
- ▶ There was no ED (in CCC) record 40 out of the 50 patients who overdosed.

## Detention visits within 365 days of death

- ▶ 7 patients within our cohort has been in one of our detention facilities. They have collectively visited one of our detention facilities 12 times.
- ▶ 43 patients did not visit one of our detention facilities.





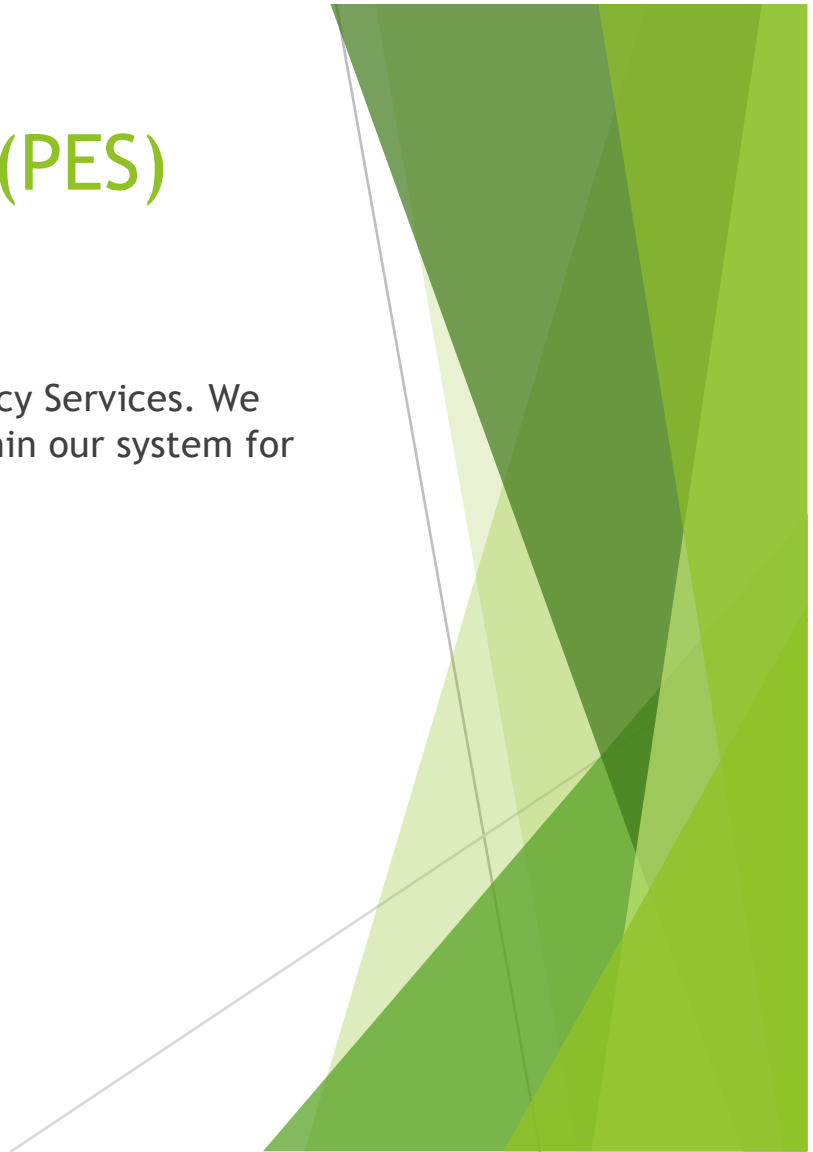
## Behavioral Health visits within 365 days of death:

- ▶ 4 out of 50 patients interacted with our Behavioral Health Services. We have no record of use Behavioral Health for the remaining 46 patients.
- ▶ The 4 patients collectively interacted with Behavioral Health 27 times.



## Psychiatric Emergency Services (PES) visits within 365 days of death

- ▶ 4 out of 50 patients interacted with our Psychiatric Emergency Services. We have no record of use of Psychiatric Emergency Services within our system for the remaining 46 patients.
- ▶ The 4 patients collectively interacted with PES 10 times.



# Highlights of What We Are Working on Now

- ▶ Improving connection between Detention and MAT
- ▶ Continuing to Grow our MAT program (No currently enrolled MAT patients died in 2017)
- ▶ Helping patients from ED/PES access MAT (ED Bridge)
- ▶ Novel Approaches: touching patients through EMS, Low-Barrier MAT for the homeless population through HCH
- ▶ Increasing Narcan Distribution, Needle Exchange
- ▶ Multiple Efforts on Better Prescribing Practices (insurance based, practice based)

# Questions?

- ▶ Contact information

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