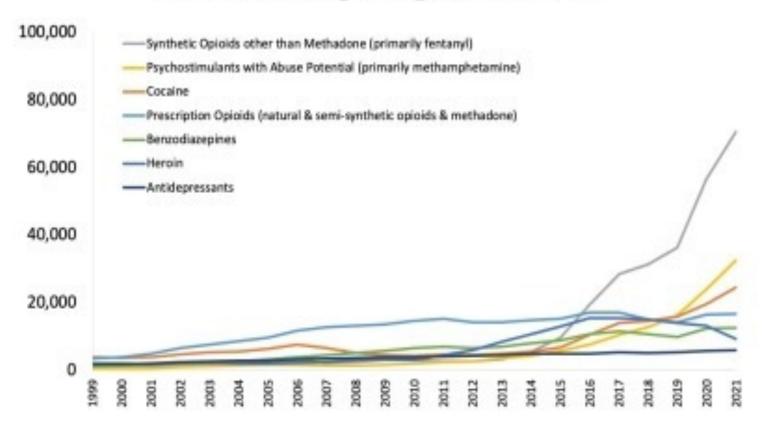
Implementation of ED OUD Treatment program

Kathryn Hawk, MD, MHS Associate Professor Department of Emergency Medicine





Figure 2. National Drug-Involved Overdose Deaths*, Number Among All Ages, 1999-2021



*Includes deaths with underlying causes of unintentional drug poisoning (X40–X44), suicide drug poisoning (X60–X54), homicide drug poisoning (X85), or drug poisoning of undetermined intent (Y10–Y14), as coded in the International Classification of Diseases, 10th Revision. Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Multiple Cause of Death 1999-2021 on CDC WONDER Online Database, released 1/2023.

Race/Ethnicity

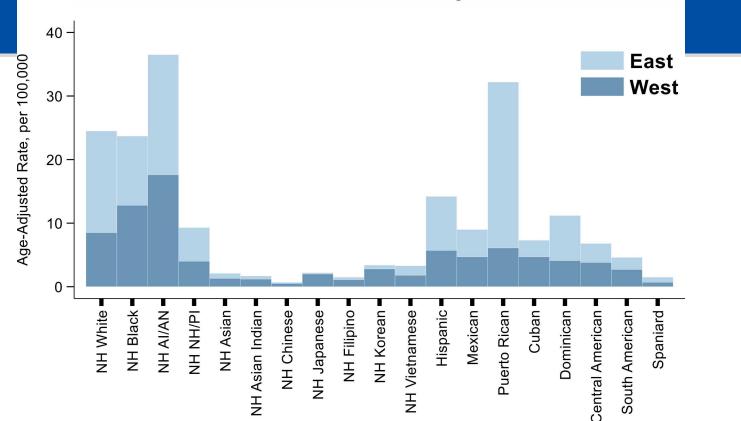
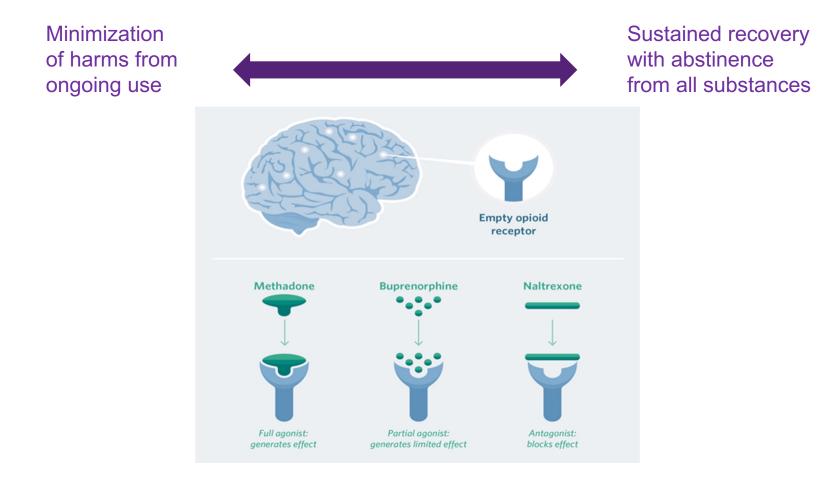


Fig. 1. Age-Adjusted Synthetic Opioid Overdose Mortality Rates by Racial/Ethnic Group, East and West of the Mississippi River, 2018–2021.

Cano et al, DAD, 2023

OUD Treatment



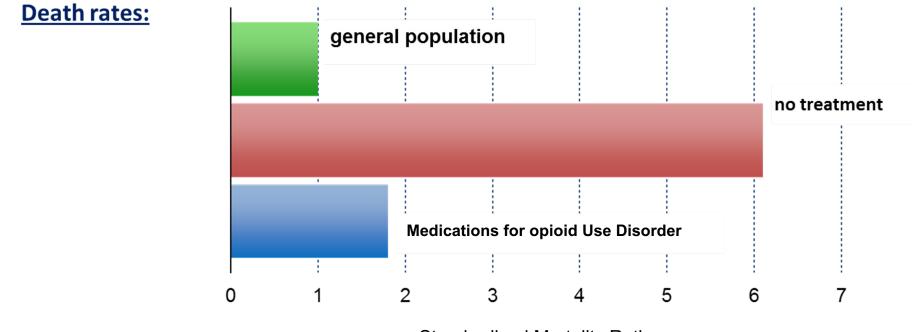
Medication for OUD

Survival Treatment retention Ability to gain & maintain employment Birth outcomes Quality of life

Overdose Mortality HIV & HCV Infections Crime

Mattick et al, 2008 Volkow et al., 2019

Benefits of Medications for OUD: Decreased Mortality



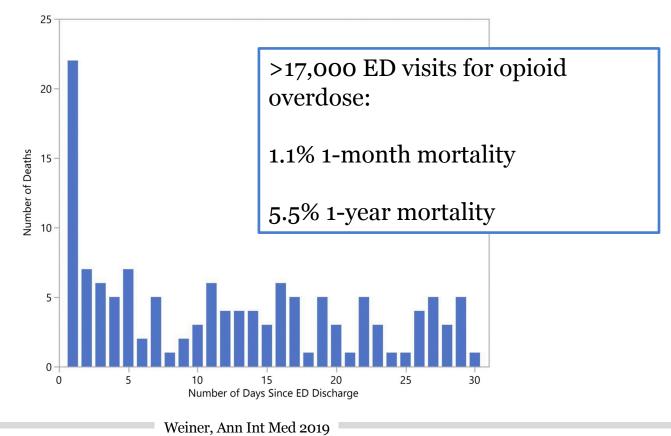
Standardized Mortality Ratio

Dupouy et al., 2017 Evans et al., 2015 Sordo et al., 2017

TOXICOLOGY/BRIEF RESEARCH REPORT

One-Year Mortality of Patients After Emergency Department Treatment for Nonfatal Opioid Overdose

Scott G. Weiner, MD, MPH*; Olesya Baker, PhD; Dana Bernson, MPH; Jeremiah D. Schuur, MD, MHS

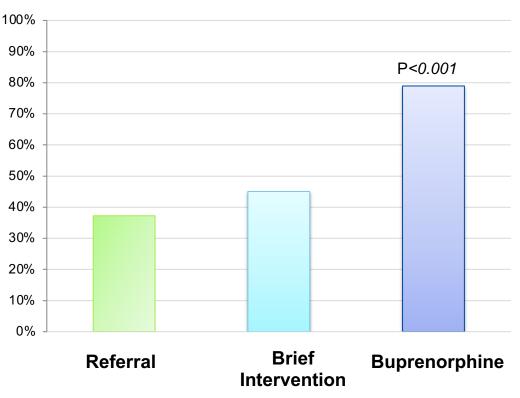


Case

- 25 yo F with OUD and multiple prior treatment attempts presents in cardiac arrest after opioid overdose.
- ED team gets ROSC with compressions x 2, epi x 2, naloxone.
- She is awake, alert, without any apparent neurological deficits and says that she just returned home yesterday after a 30-day detox in California.

Emergency Department Initiated Buprenorphine

- Treatment trial of 329 ED patients with mod/severe OUD randomized to:
 - Standard Referral
 - Brief Intervention (BI) with facilitated referral
 - BI with ED-initiated buprenorphine with primary care follow-up

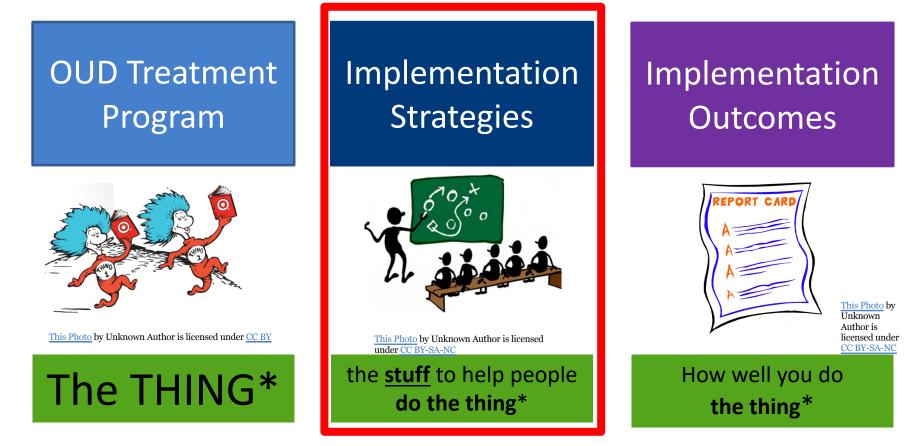


30 Day Treatment Engagement

D'Onofrio et al, 2015

Implementation

Overview and Terminology



*Terminology attributable to Dr. Geoffrey Curran

Recognized <u>facilitators</u> to implementation of an ED-initiated buprenorphine program*



*Whiteside LK et al Annals EM, 2022

Strategies for Success



- Existing Protocol
- Clear referral plan
- ➤ Culture

NIDA *Quick Screen* **Question**

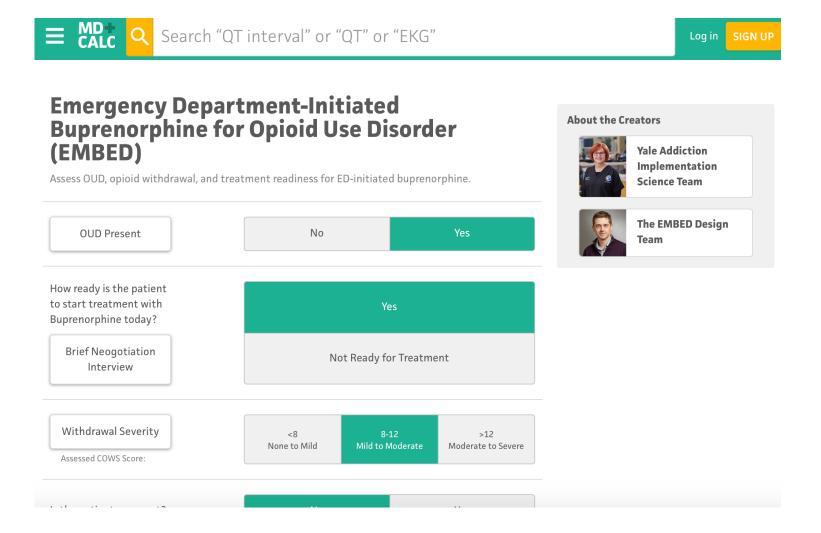
| <i>Quick Screen</i> Question: In the past year, how often have you used the following? | Never | Once or Twice | Monthly | Weekly | Daily or Almost Daily |
|-------------------------------------------------------------------------------------------|-------|------------------|---------|--------|-----------------------------|
| Alcohol | | | | | |
| • For men, 5 or more drinks a day | | | | | |
| • For women, 4 or more drinks a day | | | | | |
| Tobacco Products | | | | | |
| Prescription Drugs for Non-Medical Reasons | | | | | |
| Illegal Drugs | | | | | |

EMBED: ED BUP Clinical Decision Support

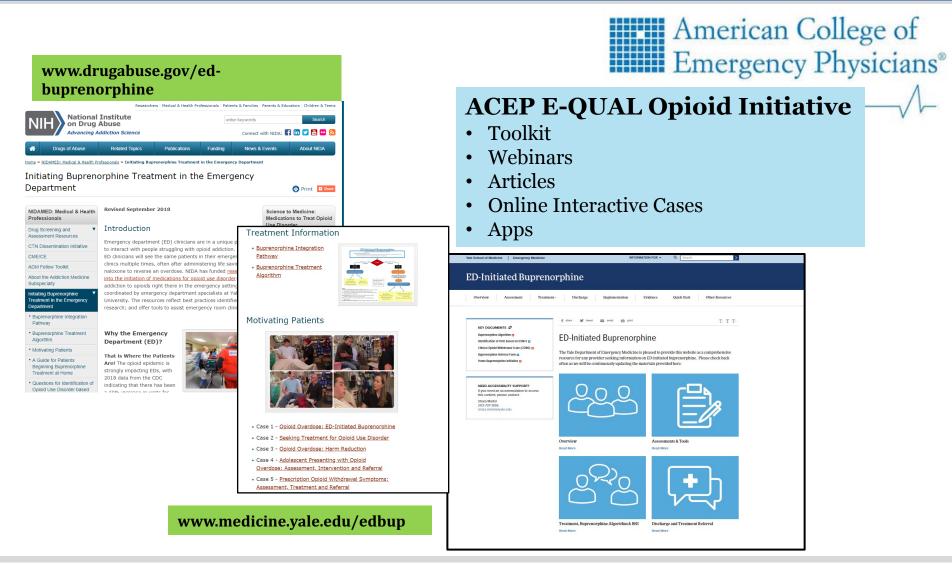
| | e Pathway #1 Ca | | | ED-initiated Buprenor | phine Resources |
|------------------------------------------------------|-------------------------|----------------------------|--------------------------------|-----------------------|-----------------------------------------|
| Chart Review Car Chart Review Ex Manage Orders | | | Pathway #3 Care Pat | fiway #4 Decision | 1 Support |
| Manage Orders | it/No BUP | lold in ED Start | | | |
| | | | 4 mg BUP (2x) Start 8 r | mg BUP any order | ptional tools in to help you code |
| My Note Does the patient have Opioid Use | NO DSM criteria) (≥4 | YES DSM criteria) (≥4 0 | YES YE SM criteria) (24 DSM | | ose OUD DSM tool |
| Results Review How severe is patient's withdrawal? | one-to-Mild | Ione-to-Mild Mild- | to-Moderate 8 - 13 | to-Severe As | sess drawal |
| Review Visit Is patient ready for treatment? | NO | YES | YES YE | ES Rea | tivate diness terview tool |
| Dispo ENISED Scoring Tools | Select #1 | | Select #3 Select | | |

- Integrated Clinical Decision Support
- Includes embedded links to OUD calculator
- Dosing Algorithm
 - Auto populates discharge instructions
- Prescriptions for BUP and naloxone
- Electronic referral

MD Calc – ED-Initiated Buprenorphine



Online Resources



Who can you collaborate with?

- Is there an OTP, primary care practice, FQHC that will take a "warm handoff"?
 - What services do they offer?
 - Waitlist or mandatory waiting period?
- What do you need to take "warm handoffs" from ED, SEPs, urgent care, clinics, CJ, etc?
- Is anyone willing to run a Bridge or Transition Clinic?
- Telehealth options??

Local Champions

- Administration, Clinicians, Nursing, Pharmacists...
 - How are you going to get providers waivered?
 - How are you going to get waivered providers to prescribe?
 - Do you need to consider other models?
- Know your allies
 - In the hospital and out
 - Social work/navigators/Health Promotions Advocates
 - Pharmacy!

Innovative Strategies for ED BUP Programs

- Peer navigators
- APPs in Triage
- EHR Triage alerts \rightarrow Social work or Peer Recovery Programs
- On call local champion/expert
- Telehealth?
- Collaborative practice ??



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