



CA Bridge Program

Aimee Moulin, MD
UC Davis



1



Conflict of Interest Disclosure

Aimee Moulin, MD reported no relevant financial relationships or relationships she has with ineligible companies of any amount during the past 24 months.



2



Presenter

Aimee Moulin, MD
Professor of Emergency Medicine and
Division Chief of Addiction Medicine
UC Davis

Dr. Moulin is a Professor of Emergency Medicine and Division Chief of Addiction Medicine at UC Davis. She is co-Founder of the CA Bridge program, an effort dedicated to expanding access to addiction treatment in California hospitals.



3

Integrating Addiction Treatment Into Acute Care

Aimee Moulin MD

4

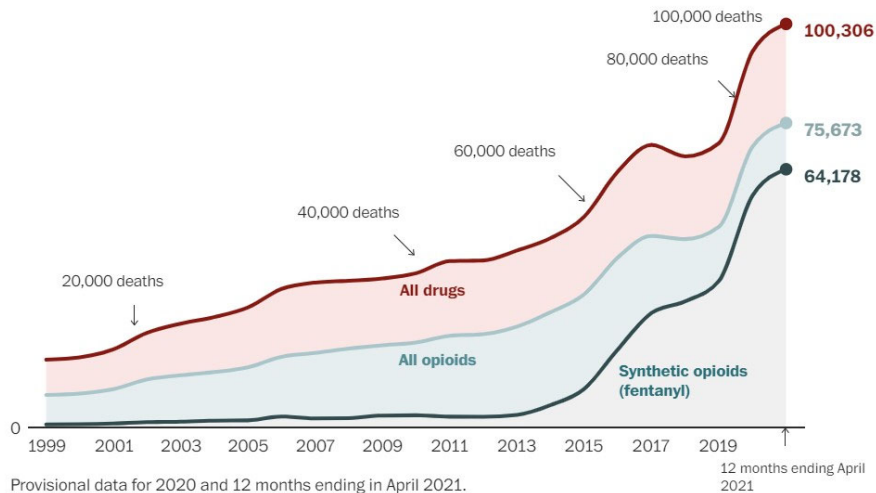
What we are going to talk about

1. How everything went wrong
2. How to fix it and why your hospital is a big part of the solution
 - ED access to MAT
 - Integrating Addiction treatment into your hospital
 - Naloxone distribution

5

Things fall apart....

U.S. drug overdose deaths per year



Provisional data for 2020 and 12 months ending in April 2021.

Source: Centers for Disease Control and Prevention, National Center for Health Statistics

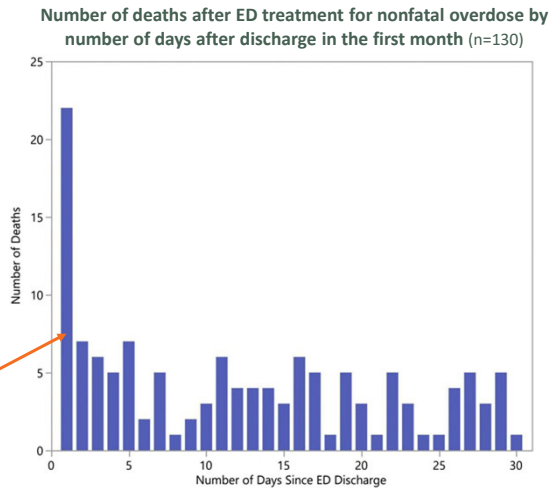
DAN KEATING / THE WASHINGTON POST

6

Overdose and Mortality

ED patients with non-fatal opioid overdose

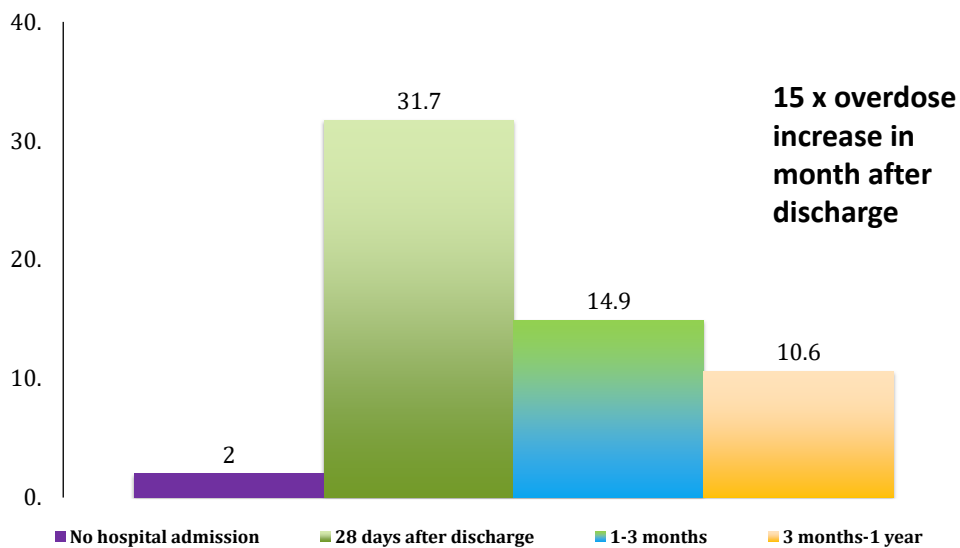
- 5% one year-mortality post-ED discharge
- Of patients that died, 20% died in the first month
- Of those that died in the first month, 22% died within the first 2 days



Source: Weiner, Scott, et al.. *One-Year Mortality of Patients After Emergency Department Treatment for Nonfatal Opioid Overdose*. *Annals of Emergency Medicine*. April 2, 2019.

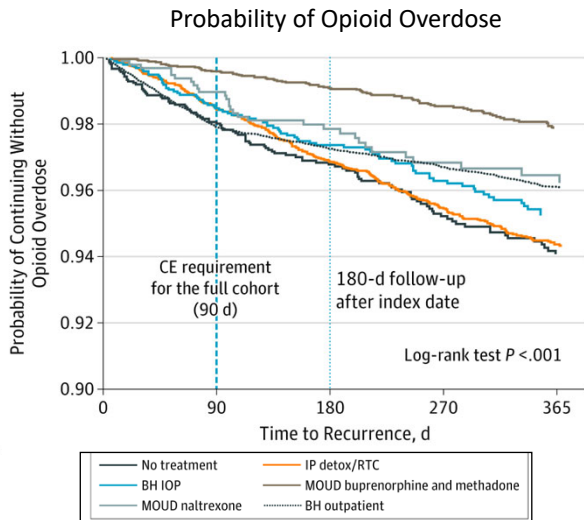
7

Overdose as a hospital acquired condition



8

Buprenorphine Saves Lives



Wakeman SE, et al. Comparative Effectiveness of Different Treatment Pathways for Opioid Use Disorder. *JAMA Network Open*. 2020;3(2):e1920622. doi:10.1001/jamanetworkopen.2019.20622

9

The Numbers for Success

Number Needed to Treat	
Aspirin in STEMI	42 to save a life
Warfarin in Afib	25 to prevent a stroke
Steroids in COPD	10 to prevent tx failure
Defibrillation in Cardiac Arrest	2.5 to save a life
Buprenorphine in Opioid Use Disorder	2 to retain in treatment

<https://clincalc.com/Stats/NNT.aspx>

10

EDs are critical SUD treatment centers

- 1 in 10 have SUD
- Often not engaged in care
- ED treatment **DOUBLES** the likelihood that a patients will be in treatment at 1m
- 24/7/365



11

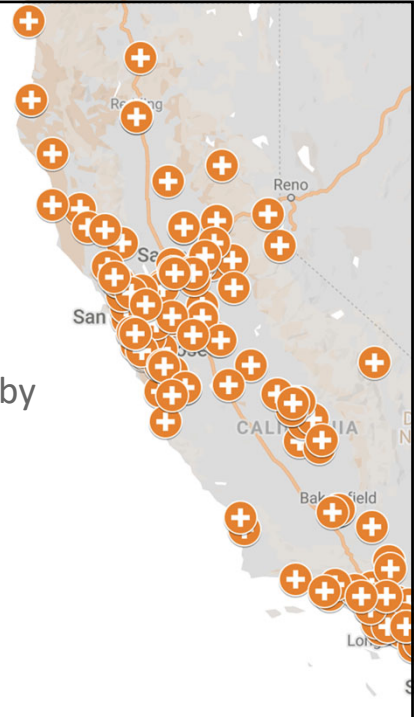
Universally Offer Buprenorphine



12



Goal: 24-7 access to high quality treatment of substance use disorders in all California hospitals by **2025.**



13

CA Bridge Impact: To-Date



Cumulative totals across all reporting CA Bridge sites (n = 196), April 2019-July 2022



174,709

Navigator encounters



58,552

Encounters where Medication for Addiction Treatment was prescribed or administered



128,305

patients identified with Opioid Use Disorder



92,496

Naloxone toolkits ordered by hospitals

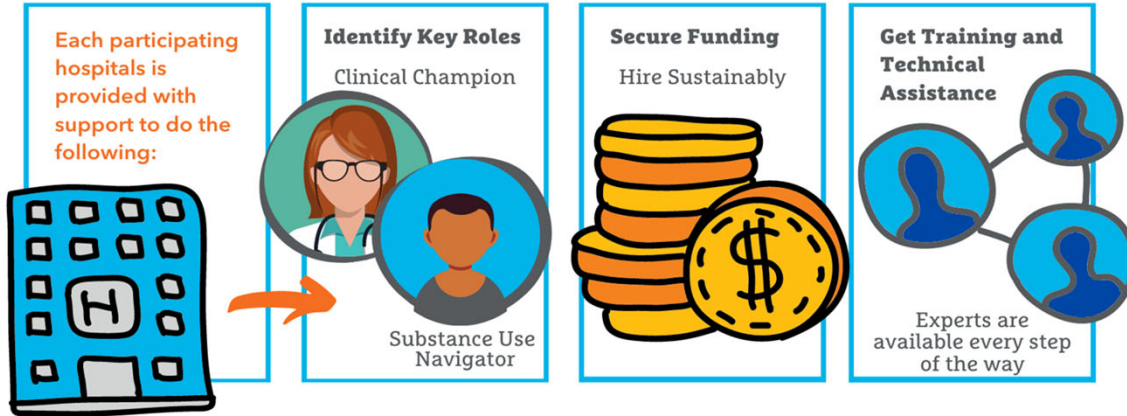
Source: CA Bridge program

14



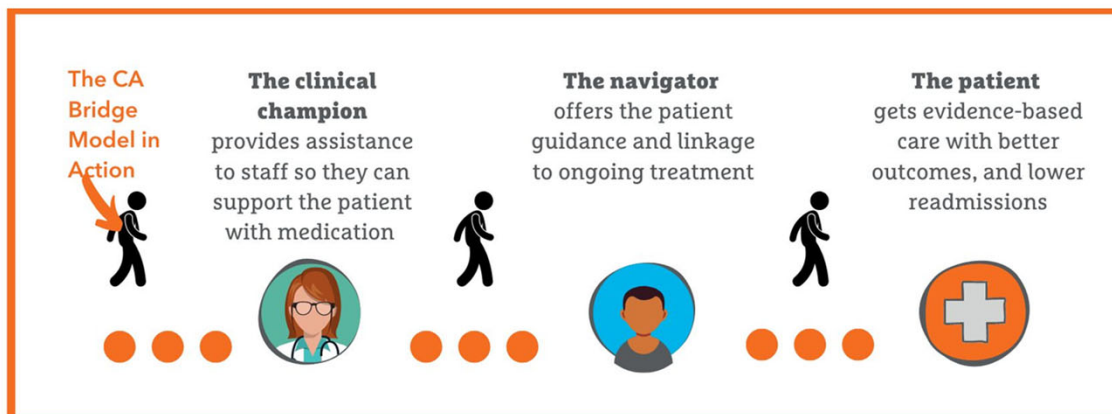
Medication for Opioid Use Disorder Hospital Implementation

Here's how a diverse group of hospitals achieved rapid large-scale implementation of medication for opioid use disorder initiation.



15

CA Bridge helps hospitals implement the standard of care needed to support patients with substance use disorders. Together, a clinical champion and a navigator bridge gaps in traditional treatment, linking patients to ongoing care.



Treatment starts here. Treatment starts now. cabridge.org

16

Patient Navigation is cost-effective

Patient navigation for substance use disorder (SUD) is cost-effective

SUD Navigation for hospital/ED patients is cost-effective.

Patient navigation intervention, all inpatient days and ED visits over a 12-month period. = **\$17,780 in savings per participant.**

SUD Navigation reduces inpatient admission rates (-26%) and repeat ED visits -(44%).

SUD Navigation improves engagement in outpatient treatment. 50% vs 30%

Orme S, Zarkin GA, Dunlap LJ, et al. Cost and Cost Savings of Navigation Services to Avoid Rehospitalization for a Comorbid Substance Use Disorder Population. *Med Care*. 2022;60(8):631-635. doi:10.1097/MLR.0000000000001743

17

Integrated Treatment for Hospitalized Patients

- Identify patients at risk for withdrawal and assist with medical management of withdrawal syndromes in hospitalized patients
- Provide linkages to ongoing substance use treatment



18

Substance Use Intervention Team

- SUI Addiction Medicine Physicians available 24/7
- Complex opioid use disorder management
 - Including complex situations such as concomitant acute & perioperative pain
- Initiate treatment for alcohol use disorder
 - Naltrexone, Acamprosate, etc.
- Emerging opportunities
 - Medications for methamphetamine use disorder



19

Opioid DX

	No SUN/SUIT Consult	SUN/SUIT
Unique Patients	960	599
Encounters	1308	771
Inpatients	1266	746
SUIT Count		390
Known Death	155	49
Mortality	0.16	0.08
Readmission Rate	0.21	0.15
Average LOS	10.96	9.83
Median LOS	5	5
AMA Rate	0.093	0.184
Bup Rate	0.12	0.36

Reduction in mortality, readmission, and ALOS, 3x more likely to be prescribed buprenorphine with exposure to SUN / SUIT.

20

Overdose DX

Values	No SUN/SUIT Consult	SUN/SUIT
Unique Patients	1023	335
Encounters	1137	355
Inpatients	1111	346
SUIT Count		63
Known Death	184	14
Mortality	0.18	0.04
Readmission Rate	0.16	0.10
Average LOS	14.03	11.66
Median LOS	7	6
AMA Rate	0.036	0.090

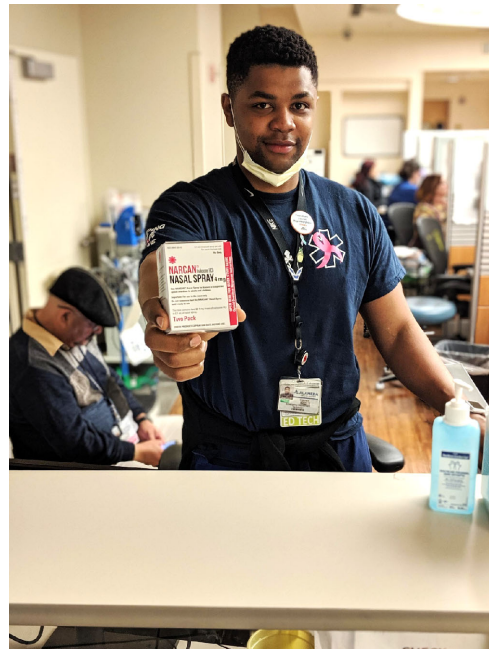
Huge reduction in mortality, reduced readmission and ALOS in those exposed to SUN/SUIT.

21

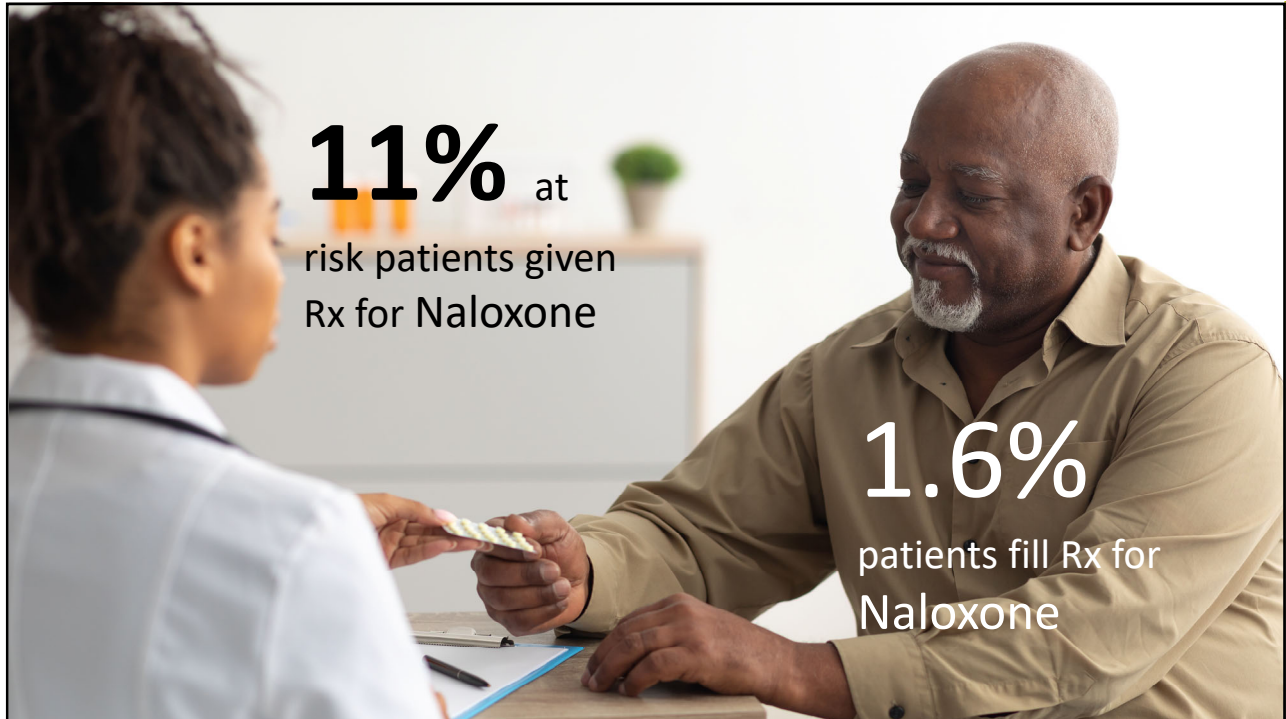
Take Home Naloxone

California's Naloxone Distribution Program

- Funded by SAMHSA, administered by DHCS
- EDs can order free naloxone for distribution to anyone



22



23

Isn't this illegal without and X wavier?

- Buprenorphine & Methadone can be prescribed for pain
- MAT can be ADMINISTERED in a hospital to admitted patients
- MAT can be ADMINISTERED in an ED for three days
- MAT can be DISPENSED from an ED up to 3 day supply with an exemption from the DEA

24

XWAIVER

HHS Practice Guidelines for the Administration of
Buprenorphine for Treating Opioid Use Disorder

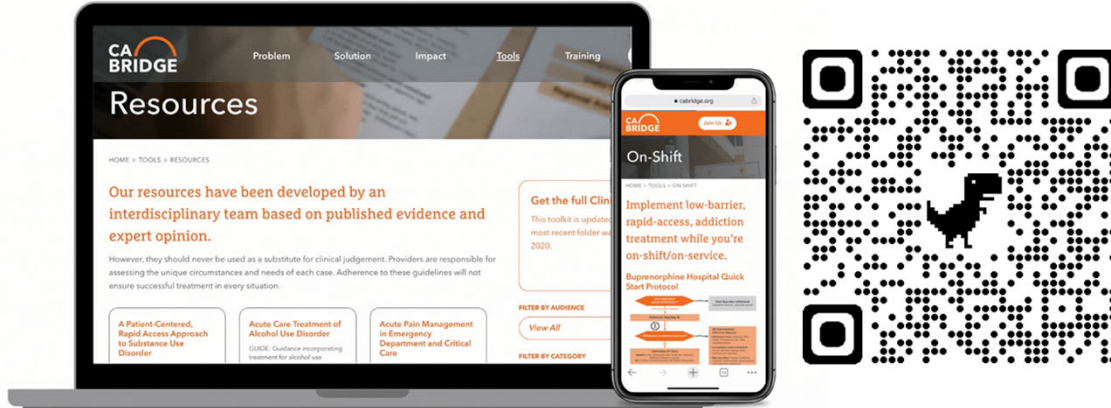
25

Just do it
Sign up for your X
wavier
Now -->



26

Cabridge.org Resources



27

2022 HQI Annual Conference



restore. inspire. lead.

Questions



28



Thank you

Aimee Moulin, MD
Professor of Emergency Medicine and
Division Chief of Addiction Medicine
UC Davis
akmoulin@gmail.com

