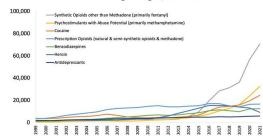
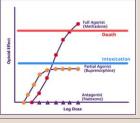


#### National Drug-Involved Overdose Deaths Number Among All Ages, 1999-2021



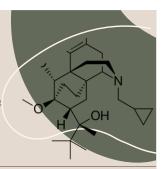
# What is buprenorphine?

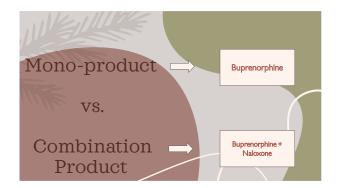


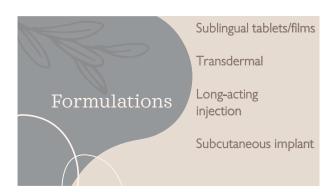


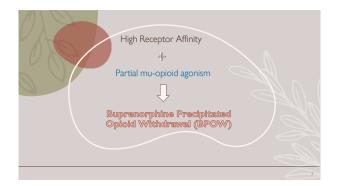
#### Regulatory History

- Approved by FDA 2002 to be prescribed for OUD under the Drug Addiction Treatment Act of 2000 (DATA 2000)
- Physicians needed to apply for a DEA waiver after completing an 8-hour course
   Comprehensive Addiction and Recovery Act (CARA) in 2016 extended prescribing authority to NPs and Pas who obtain waiver
- In 2023, Consolidated Appropriations Act eliminated the waiver program
   All providers with DEA registration can now prescribe buprenorphine for OUD













Diagnosing Opioid Use Disorder (OUD)	
Opioids are often taken in larger amounts or over a longer period of time than intended.	
There is a persistent desire or unsuccessful efforts to cut down or control opioid use.	
• A great deal of time is spent in activities necessary to obtain the opioid, use the opioid, or recover from its effects.	
Craving, or a strong desire to use opioids.	
Diagnosing Opioid Use Disorder (OUD)	
Recurrent opioid use resulting in failure to fulfill major role obligations at work, school or home.	
Continued opioid use despite having persistent or recurrent social or interpersonal problems caused or exacerbated by the effects of opioids.	
• Important social, occupational or recreational activities are given up or reduced because of opioid use.	
Recurrent opioid use in situations in which it is physically hazardous	
Continued use despite knowledge of having a persistent or recurrent physical or psychological problem that is likely to have been caused or exacerbated by opioids.	
Diagnosing Opioid Use Disorder (OUD)	
Tolerance, as defined by either of the following:     (a) a need for markedly increased amounts of opioids to achieve	
intoxication or desired effect (b) markedly diminished effect with continued use of the same amount	
of an opioid	
Withdrawal, as manifested by either of the following:     (a) the characteristic opioid withdrawal syndrome	
(b) the same (or a closely related) substance are taken to relieve or avoid withdrawal symptoms	
avoid withdrawarsymptoms	

0	UESTIONS TO ASK ABOUT OPIOID USE
	Type and amount of opioid(s) used recently     Route of administration     Last use     Treatment history     Problems resulting from drug use.     Experiences with buprenorphine

#### Opioid Intoxication vs. Withdrawal

#### Intoxication

- Drooping eyelids
- Constricted pupils
- Reduced respiratory rate
- Scratching (due to histamine release)
- Head nodding

#### Withdrawal

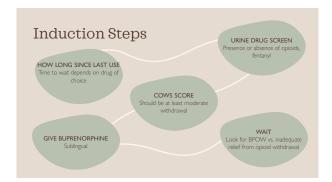
- Restlessness
- Irritability/anxiety
- Yawning
- Abdominal cramps, nausea, diarrhea
- Dilated pupils
- Sweating
- Piloerection

## How should I react to a positive UDS?

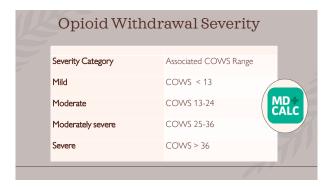
- Buprenorphine is a risk reduction strategy
- A positive drug screen in itself should not be a reason to deny/stop treatment
- Drug screens positive for fentanyl or methadone require caution
- Benzodiazepines, barbiturates, and alcohol can increase risk of overdose
- Continued positive UDS on follow-up appointments may require a change in treatment strategy



	-
L	٠
	J







NPATIENT FACILITY	OFFICE	HOME
	Has generally been not     practical for most	
		o Provider not available if BPOW



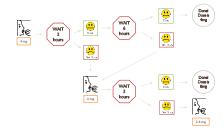
Ruprenorphine -	Reginning	Treatment a	t Home

Before taking a buprenorphine tablet you want to feel lousy from your withdrawal symptoms. Very lousyl It should be at least 12 hours since you used heroin or pain pills (Roxicet, Vicodin, Lortab, etc.) and at least 24 hours since you used methadone or fentanyl.

Wait it out as long as you can. The worse you feel when you begin the medication, the better it will make you feel and the more satisfied you will be with the whole experience.

- You should have a least 3 of the following feelings:
  twitching, tremors or shaking
  joint and bone aches
  bad chills or sweating
  ansious or irritable
  goose pimples
  very restless, can't sit still
  heavy yawning
  enlarged pupils
  runny nose, tears in eyes
  stomach cramps, nausea, womiting, or diarrhea.

  Materione Leip Comment, Discool Courant 94 Horsebyern



Adapted from: Lee JD, Grossman E, DiRocco D, Gourevitch MN. Home bupmen orphine induction in primary care. J Gen Intern Med. 2009;24(2):226-232

#### Typical dosing

- Goal is to eliminate severe cravings that may lead to relapse
- Typical dose 8-16 mg per day
- Dose does not need to be divided, but many patients prefer to take BID or TID
- Doses > 24 mg rarely effective, BUT this may be different with fentanyl
- Suboxone 8/2mg = Zubsolv 5.7/1.4 mg

### Always prescribe naloxone

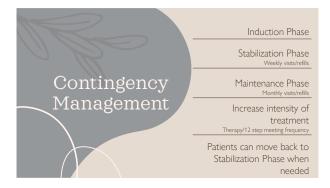
- Available over the counter, but may be expensive
- Free through Vital



https://vitalalabama.com/free-naloxone-and-fentanyl-test-strips/

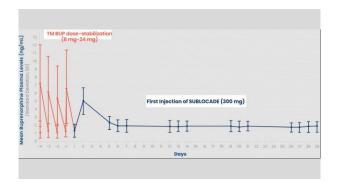


•	Ĺ		•
1	Г	1	•



Reducii	ng buprenorphine diversion
Visit Frequency	Weekly visits/medication fills early in treatment
Dosing	Use lowest effective dose
Drug testing	Look for buprenorphine and metabolites
Medication & wrapper counts	Random call-ins

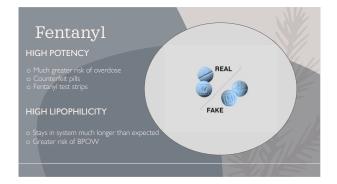


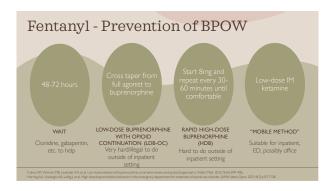


# Pregnant patients o Buprenorphine is recommended in pregnancy and should be started as early as possible controlled? o Mono-product vs. Combination Product o Coordinate treatment with OB/Gyn



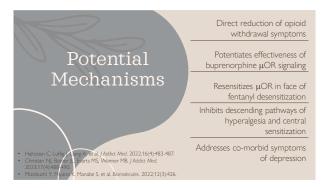










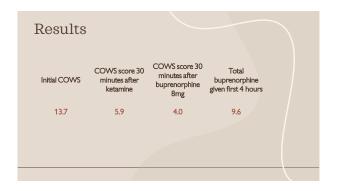


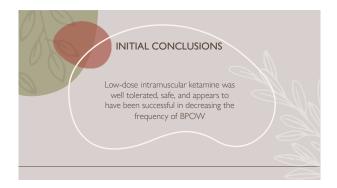
## Our burning question

Could low-dose intramuscular ketamine assist in preventing BPOW when transitioning from fentanyl to buprenorphine?



# Check COWS. If > 10, start protocol. Give 10mg ketamine IM Give 10mg ketamine IM 30 minutes later, check COWS. Give 8mg buprenorphine Give additional doses of buprenorphine (and ketamine) as needed





Transi	tion f	rom	Met!	had	one

- 1. Taper dose to 30mg daily
- 2. Wait 24-48 hours from last use of methadone (the longer the better)
- 3. Patient should be in at least moderate withdrawal (COWS>10)
- 4. Start with 2-4 mg buprenorphine. If withdrawal improves, give additional 2-8 mg until withdrawal symptoms relieved

20XX

presentation titl

#### summary

Buprenorphine is a safe and potentially life-saving medication for individuals with opioid use disorder.

Alabama is in desperate need for more providers to be comfortable prescribing this medication.



73		
(		
ı.		

