



Alcohol & Opioid Use Disorders

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IDAHO DEPARTMENT OF
HEALTH & WELFARE



- Review epidemiology of chronic diseases of opioid use disorder (OUD) and alcohol use disorder (AUD)
- Define addiction, recovery, and substance use disorder per DSM
- Discuss role of medications for OUD and AUD
- Dispel myths related to medications for OUD and AUD





HEALTH CARE

Drug Overdoses Killed A Record Number Of Americans In 2020, Jumping By Nearly 30%

Updated July 14, 2021 - 6:53 PM ET

BILL CHAPPELL



Sharon Rivera adjusts flowers at daughter Victoria's grave at Calvary Cemetery in New York City in 2020. Her daughter, 21, died of a drug overdose in 2019. According to new CDC data, drug overdose deaths soared to more than 93,000 last year.

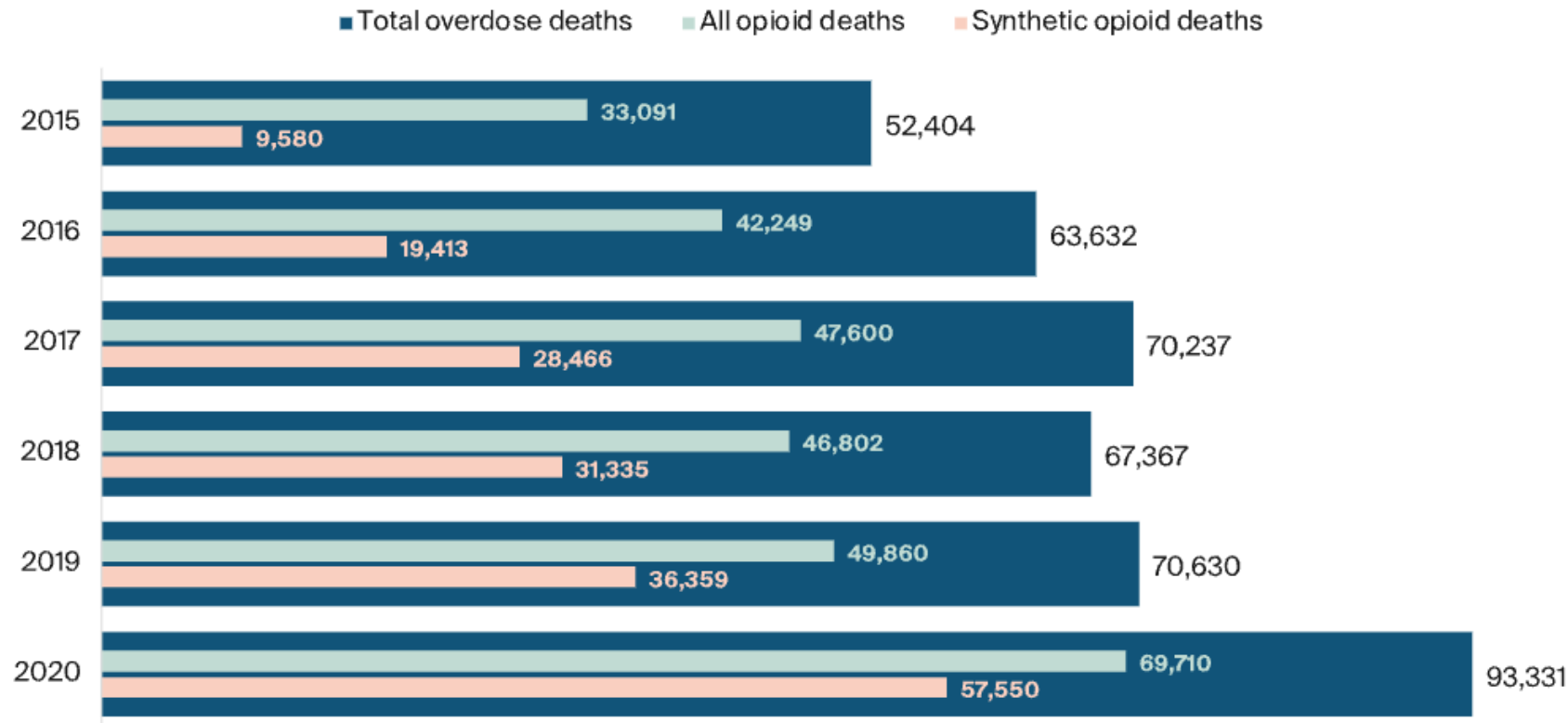
Kathy Wilens/AP

Overdose deaths exploded to more than 90,000 in 2020, and synthetic opioids were involved in more than 60 percent of all overdose deaths.

5



Annual drug overdose deaths



Note: Synthetic opioid deaths exclude those from methadone. Specific drug-class deaths are not mutually exclusive, as some deaths are attributable to multiple drug types.

Data: 2015–2019 – Final data from [CDC WONDER](#); 2020 – National Vital Statistics System, [Provisional Drug Overdose Death Counts](#), Dec. 2020 predicted totals (not final data, subject to change).

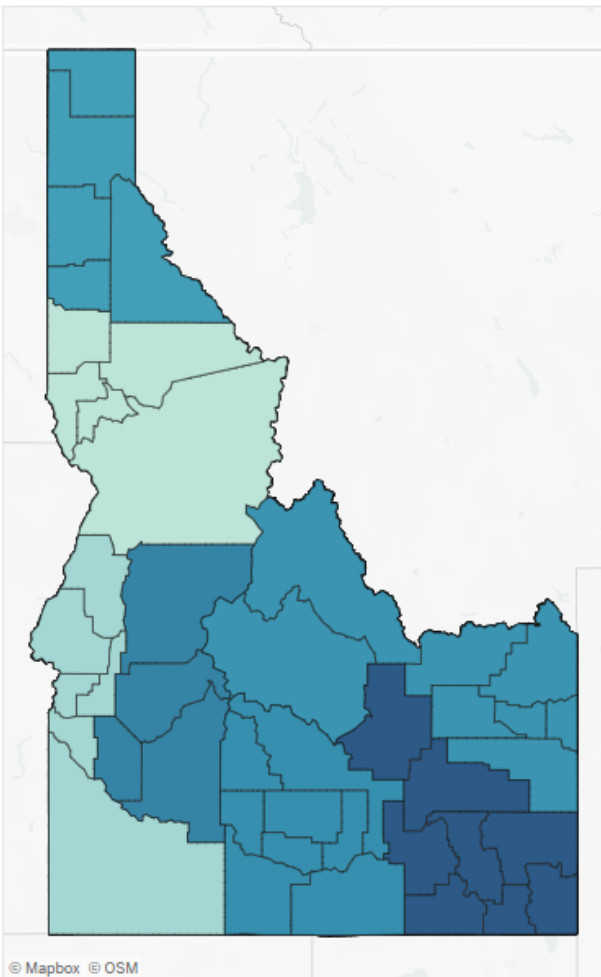
Source: Jesse C. Baumgartner and David C. Radley, "The Drug Overdose Mortality Toll in 2020 and Near-Term Actions for Addressing It," *To the Point* (blog), Commonwealth Fund, July 15, 2021, updated Aug. 16, 2021.

<https://www.commonwealthfund.org/blog/2021/drug-overdose-toll-2020-and-near-term-actions-addressing-it>;
<https://www.cdc.gov/nchs/nvss/vsrr/drug-overdose-data.htm>



Any Drug-Related Overdose Death

The rate of drug-related overdose deaths among Idaho's seven public health districts range from 8.2 to 20.4 deaths per 100,000 residents.



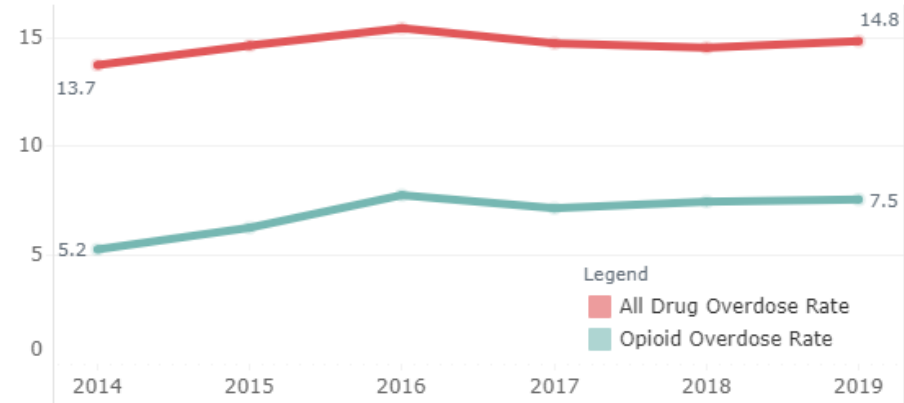
Above is a map displaying the 2019 Crude Rate of all drug-related overdose deaths by place of residence per 100,000 Idaho residents in each of Idaho's seven public health districts.

Drug Overdose Deaths

Select Number or Rate of Overdose Deaths

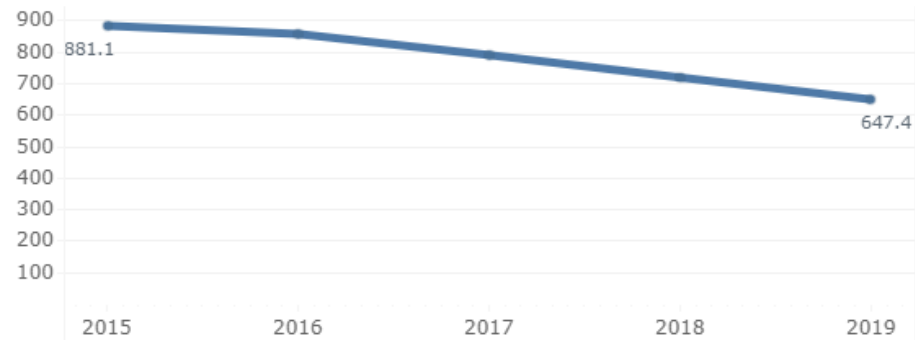
Drug Overdose Rate

The **rate** of overdose deaths among Idaho residents has **increased** from 2014 to 2019



Opioid Prescriptions (excluding buprenorphine)

The **rate** of opioid prescriptions (per 1,000 residents) has **decreased** from 2015 to 2019



This line graph displays the change in opioid prescribing rate (excluding buprenorphine) per 1,000 Idaho residents.

<https://www.gethealthy.dhw.idaho.gov/drug-overdose-dashboard>



CDC's Unique Work In Action: *Overdose Deaths are the Tip of the Iceberg*

For every **1** prescription or illicit opioid overdose death in 2015 there were...



18 heroin

people who had a substance use disorder involving

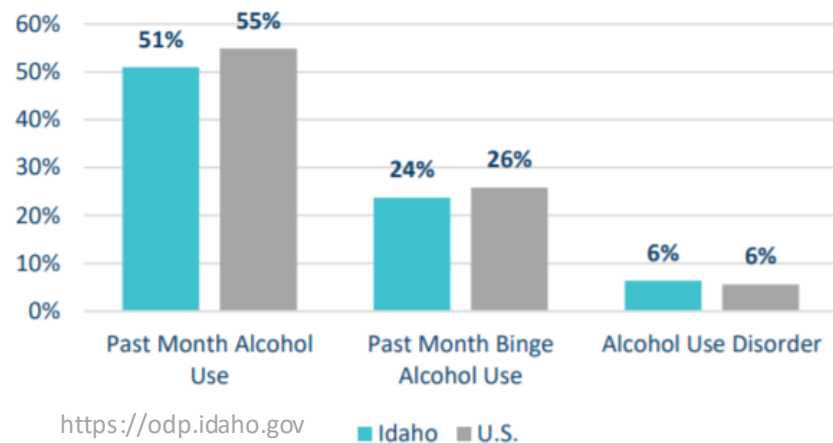
62 people who had a substance use disorder involving prescription opioids

377 people who misused prescription opioids in the past year

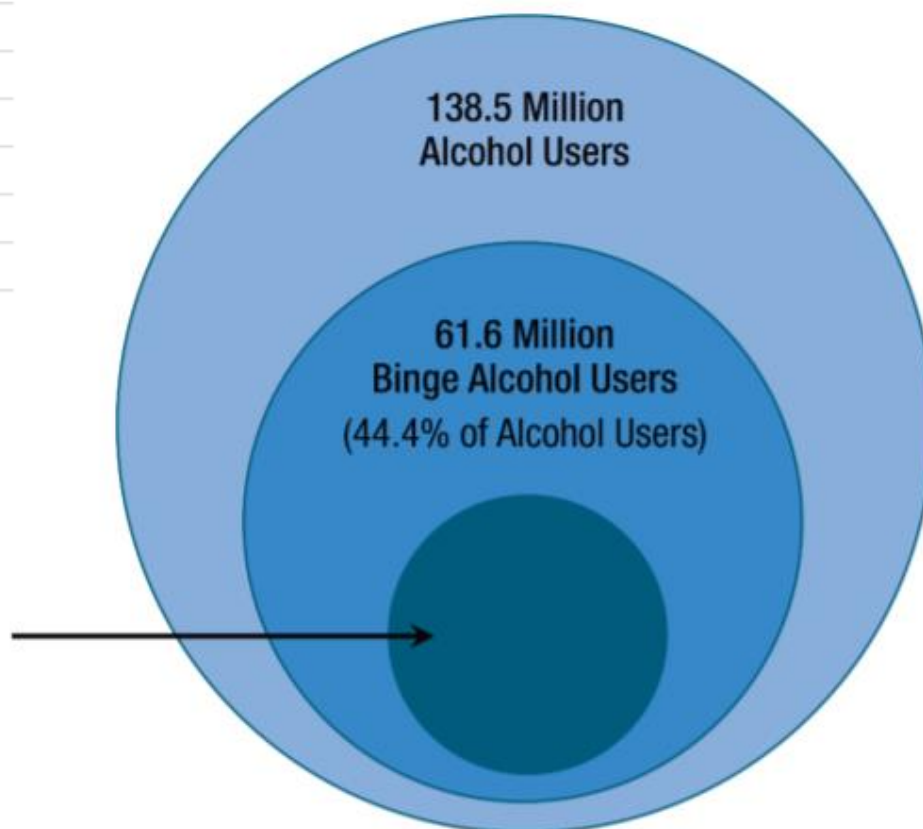
2,946 people who used prescription opioids in the past year

Current, Binge, and Heavy Alcohol Use: Among People Aged 12 or Older; 2020

State & National Alcohol Use



**17.7 Million
Heavy Alcohol Users**
(28.8% of Binge Alcohol
Users and 12.8% of
Alcohol Users)



Note: Binge Alcohol Use is defined as drinking five or more drinks (for males) or four or more drinks (for females) on the same occasion on at least 1 day in the past 30 days. Heavy Alcohol Use is defined as binge drinking on the same occasion on 5 or more days in the past 30 days; all heavy alcohol users are also binge alcohol users.



12 ounces
5% ABV beer



8 ounces
7% ABV malt liquor



5 ounces
12% ABV wine

(examples: gin, rum,
vodka, whiskey)



1.5 ounces
40% ABV (80 proof)
distilled spirits

DRINKING IN MODERATION:

1 drink or less
in a day
for women

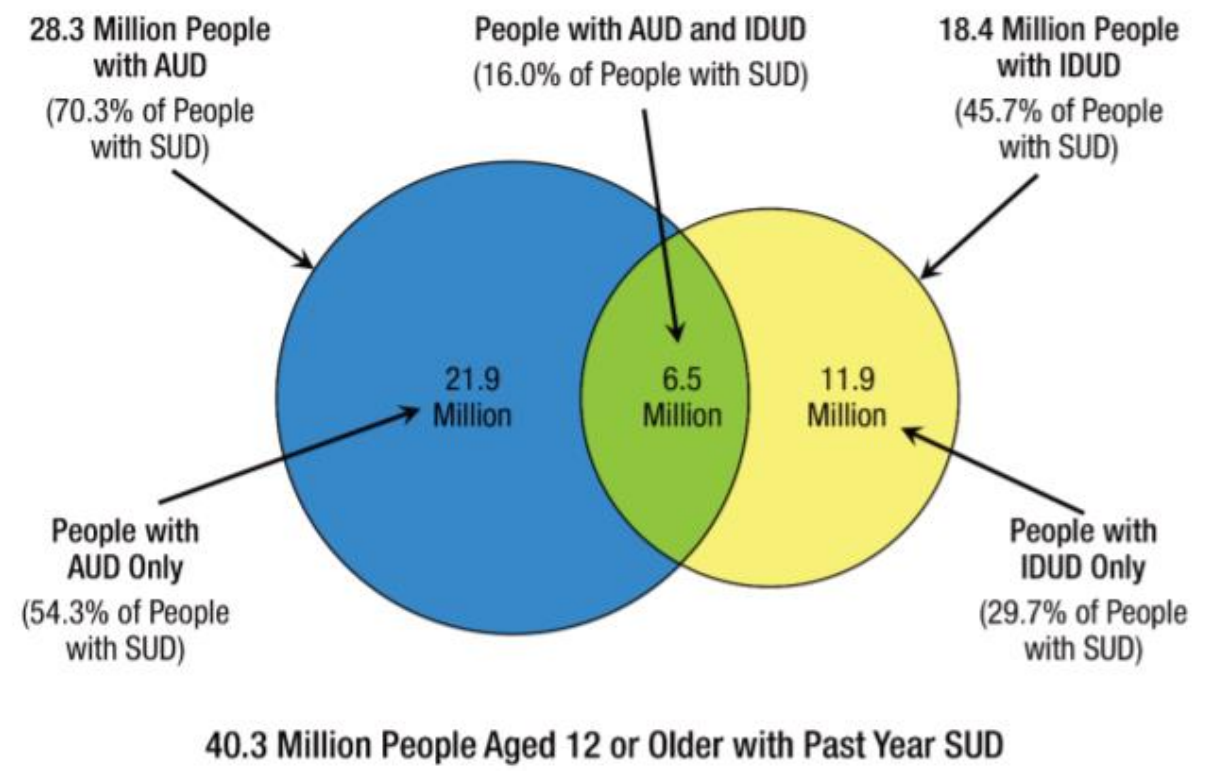


2 drinks or less
in a day
for men



or nondrinking

Alcohol Use Disorder (AUD) and Illicit Drug Use Disorder (IDUD) in the Past Year: Among People Aged 12 or Older with a Past Year Substance Use Disorder (SUD); 2020





**More than 95,000 people die
from excessive alcohol use
in the U.S. each year**



190 deaths/day in 2020

There are **261**
deaths each day
in the U.S. due
to excessive
alcohol use.

cdc.gov/alcohol







- “a primary, **chronic disease** of brain reward, motivation, memory and related circuitry...
- ...pathologically pursuing reward and/or relief of withdrawal symptoms by substance use...
- ...Without treatment or engagement in recovery, addiction is progressive and **can result in disability or death.**”



ASAM American Society of
Addiction Medicine



- “a process of **sustained action** that addresses the biological, psychological, social and spiritual disturbances...
- ...aims to improve the quality of life...
- ...is the consistent **pursuit** of abstinence.”



ASAM American Society of
Addiction Medicine



SUD is the chronic disease of addiction to X

Criterion	Severity
<ul style="list-style-type: none">• Use in larger amounts or for longer periods of time than intended• Unsuccessful efforts to cut down or quit• Excessive time spent using the drug• Intense desire/urge for drug (craving)	<p>0-1: No diagnosis 2-3: Mild SUD 4-5: Moderate SUD 6+: Severe SUD</p>
<ul style="list-style-type: none">• Failure to fulfill major obligations• Continued use despite social/interpersonal problems• Activities/hobbies reduced given use	
<ul style="list-style-type: none">• Recurrent use in physically hazardous situations• Recurrent use despite physical or psychological problems caused by or worsened by use	
<ul style="list-style-type: none">• Tolerance• Withdrawal	





Tobacco

Nicotine Replacement

Bupropion

Varenicline

Alcohol

Naltrexone

Acamprosate

Disulfiram

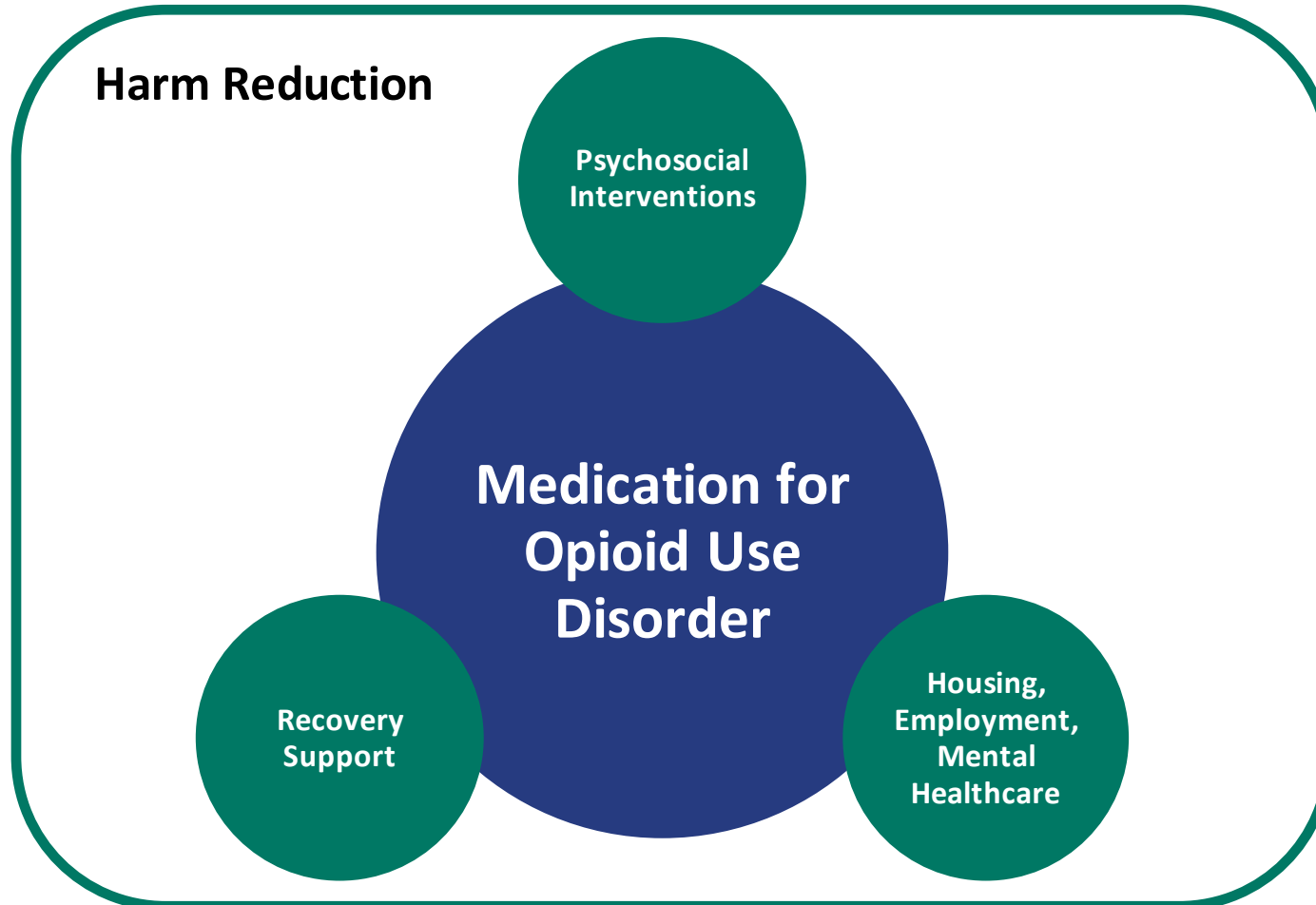
Opioid

Methadone

Buprenorphine

Naltrexone







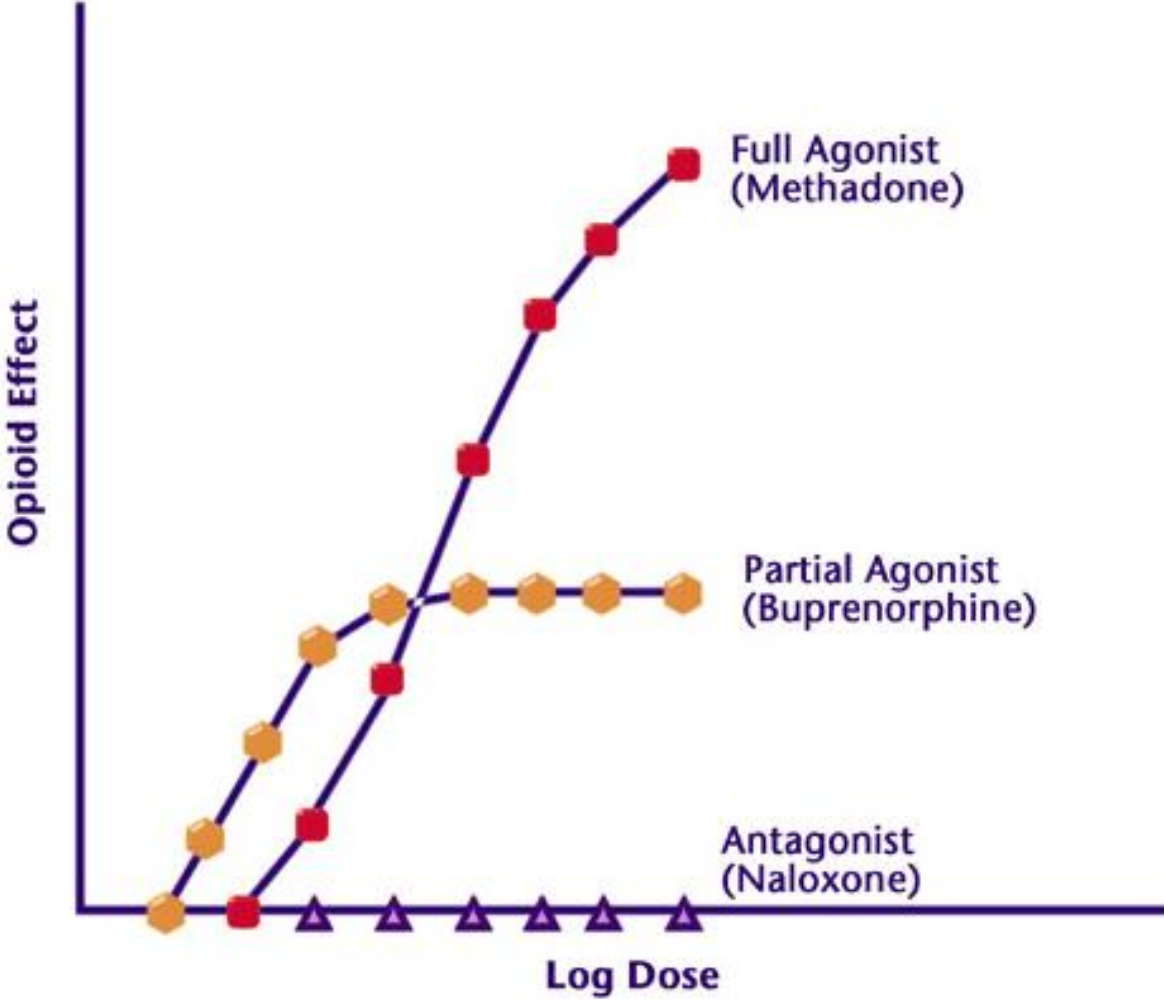
Opioid Agonist Therapy

Methadone

Buprenorphine

Opioid Antagonist

Extended-
release
Naltrexone





Opioid Antagonist

Extended-
release
Naltrexone

- Once monthly intramuscular injection
- Blocks intoxicating/reinforcing effects of opioids
- Some interest pre-release
- High rates of return to use, limited evidence
- *Increased risk of overdose after antagonist wears off*
- *No evidence that saves lives*



Opioid Agonist Therapy

Methadone

Buprenorphine

Reduce withdrawal symptoms & cravings
→ prevent return to use → allow brain to heal

↓ **MORTALITY** ↓ ER/hospital ↓ HIV/HCV ↓ substance use
↓ criminal activity ↑ retention in treatment



Methadone	Buprenorphine
Full agonist	Partial agonist
Typical dose 80-120mg/d	Typical dose 16mg/d
Opioid Treatment Program (daily dosing)	Office based (prescription)
Stigma	Managed like any other chronic illness
More risky, especially during induction phase	<i>Protected from overdose (ceiling effect, tight bond)</i>
Better for patients who need structure, heavier opioid use	Bound to naloxone to prevent diversion/misuse; injectable & implant also available





FOR IMMEDIATE RELEASE

April 27, 2021

Contact: HHS Press Office

202-690-6343

media@hhs.gov

HHS Releases New Buprenorphine Practice Guidelines, Expanding Access to Treatment for Opioid Use Disorder

In an effort to get evidenced-based treatment to more Americans with opioid use disorder, the Department of Health and Human Services (HHS) is releasing new buprenorphine practice guidelines that among other things, remove a longtime requirement tied to training, which some practitioners have cited as a barrier to treating more people.

Signed by HHS Secretary Xavier Becerra, the [*Practice Guidelines for the Administration of Buprenorphine for Treating Opioid Use Disorder*](#) exempt eligible physicians, physician assistants, nurse practitioners, clinical nurse specialists, certified registered nurse anesthetists and certified nurse midwives from federal certification requirements related to training, counseling and other ancillary services that are part of the process for obtaining a waiver to treat up to 30 patients with buprenorphine.





- **Myth:** Medications are a “crutch” and the goal should be for a person to taper off medication as quickly as possible
- **FACT:** Addiction is a chronic disease and requires long-term treatment, just like diabetes or high blood pressure. Many clients may require medications for years to life. There is no one-size-fits-all length of time, or medication dose



- **MYTH:** Taking a medication for opioid use disorder, like methadone or buprenorphine, is just replacing one addiction with another. People who take these medications are not really “drug-free” and are not in recovery.
- **FACT:** There is a difference between physical dependence on a medication and addiction. The disease of addiction involves negative consequences of drug use.



Addiction



- Escalating use over time
- Loss of control; inability to stop
- Use despite negative consequences
- Unable to fulfill societal obligations

Dependence



- Presence of withdrawal symptoms if substance stopped abruptly

*Methadone and buprenorphine result in physical dependence but **not** addiction.*



- **MYTH:** Patients with OUD should not be treated with medications unless they are also plugged into counseling.
- **FACT:** Prescribers must have the *ability* to refer patients with OUD to counseling, but patients do not have to go. All patients with OUD do not need counseling; many patients do well with medications alone. Buprenorphine and methadone are life-saving; life-saving medications should not be withheld because someone chooses not to pursue counseling.





Harm Reduction

**Psychosocial
Interventions**

**Housing,
Employment,
Mental
Health Care**

**Recovery
Support**

**Medications
for AUD**



First Line

Naltrexone

Acamprosate

Second Line

Disulfiram



Second Line

Disulfiram

- Mechanism: interferes with breakdown of alcohol metabolite, causing severe physical reaction when alcohol consumed
- Dosing: one tab daily
- Side effects: hepatotoxicity, peripheral neuropathy, metallic taste
- Outcomes: may increase abstinence if motivated and DOT (but poor adherence typical)



First Line

Naltrexone

- Mechanism: blocks opioid receptors involved in rewards and craving
Dosing: one tab daily, or IM monthly
- Side effects: hepatotoxicity, nausea
Outcome: increase in abstinence, reduction in heavy drinking; possible better outcomes in treatment court



(First Line)

Acamprosate

- Mechanism: blocks symptoms of protracted withdrawal
- Dosing: two tabs three times daily
- Side effects: diarrhea, tired, rare SI
- Outcome: increase in abstinence



Not FDA Approved

Gabapentin

- Mechanism: normalizes stress-induced GABA activation
- Dosing: two tabs three times daily
- Side effects: fatigue, insomnia, headache
- Outcome: increase in abstinence
- Other non-FDA approved meds: ondansetron, topiramate



- **Myth:** Medications are a “crutch” and the goal should be for a person to taper off medication as quickly as possible
- **FACT:** Addiction is a chronic disease and requires long-term treatment, just like diabetes or high blood pressure. Many clients may require medications for years to life. There is no one-size-fits-all length of time, or medication dose.



- **MYTH:** These medications do not guarantee abstinence so are not worth pursuing.
- **FACT:** If these medications can delay a return to use or reduce heavy use, that is a success. Alcohol use disorder is difficult to treat and long and short-term complications are significant.





- Opioid overdose epidemic is real and worsening; medications for OUD (specifically methadone and buprenorphine) are life-saving
- Annual deaths from alcohol use disorder exceed all overdose deaths combined, including for 2020; medications for AUD can support abstinence and reduce heavy drinking
- Encourage treatment court participants to talk with their doctor about medications for SUD if not already taking
- Support those who are already taking medications for SUD



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