Mississippi's Opioid Crisis



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February 17, 2021



Icebreaker

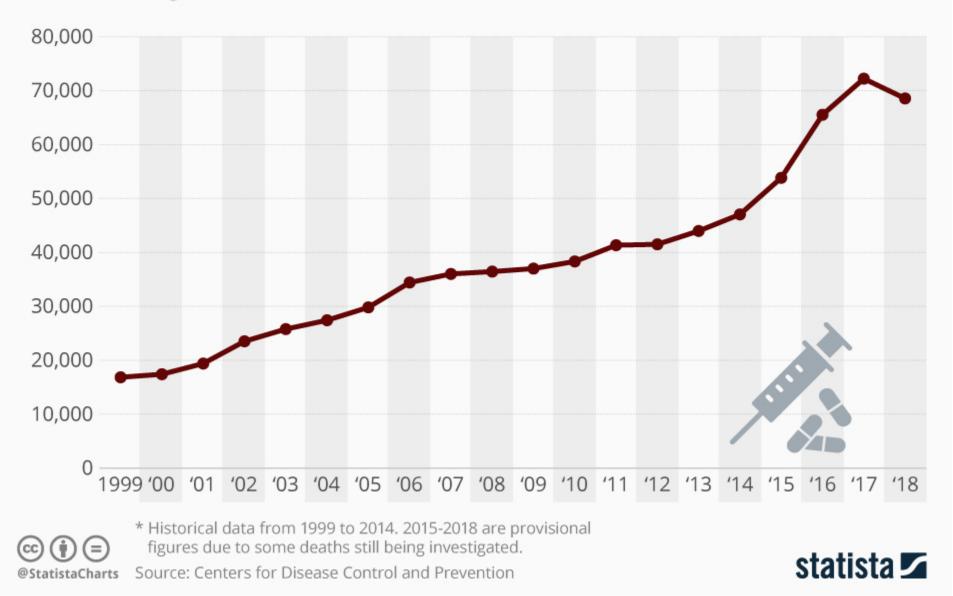
Count to eight, then clap. The process will continue until I say stop.

In 2018, there were 67,367 overdose deaths.

One death every Eight Minutes!

U.S. Drug Overdose Deaths Drop For First Time In 20 Years

Number of drug overdose deaths in the U.S. from 1999 to 2018*

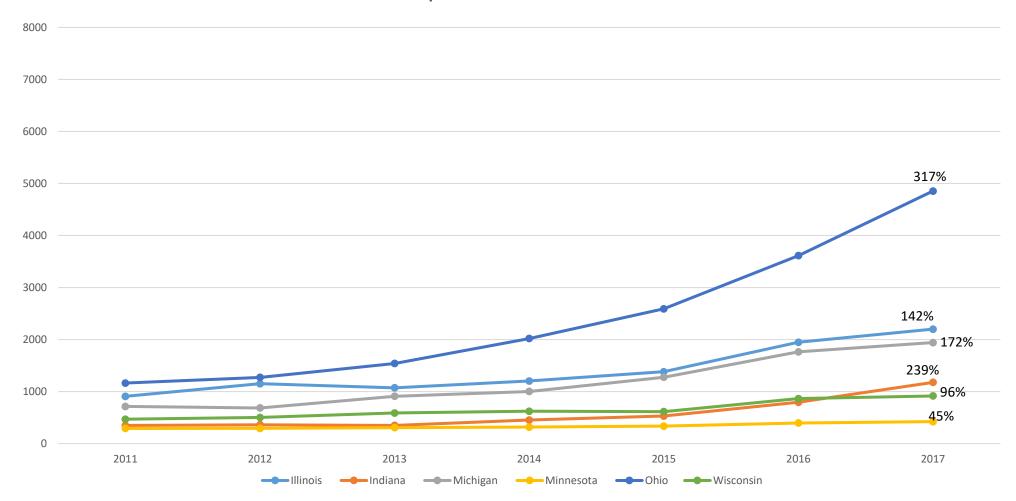




Coronavirus

Opioid Related Deaths

Opioid Overdose Deaths





COMMON TERMS

What is an opioid?

Opioids are a class of drugs naturally found in the opium poppy plant.

Some prescription opioids are made from the plant directly, and others are made by scientists in labs using the same chemical structure.

Opioids are often used as medicines because they contain chemicals that relax the body and can relieve pain.

What is an opioid?

Prescription opioids are used mostly to treat moderate to severe pain.

Opioids can also make people feel very relaxed and "high" - which is why they are sometimes used for non-medical reasons.

Opioids can be highly addictive, and overdoses and death are common.



Opioid vs. Opiate

Opiates are labeled "natural", because nature creates the active ingredient molecules.

What Makes a Crisis?

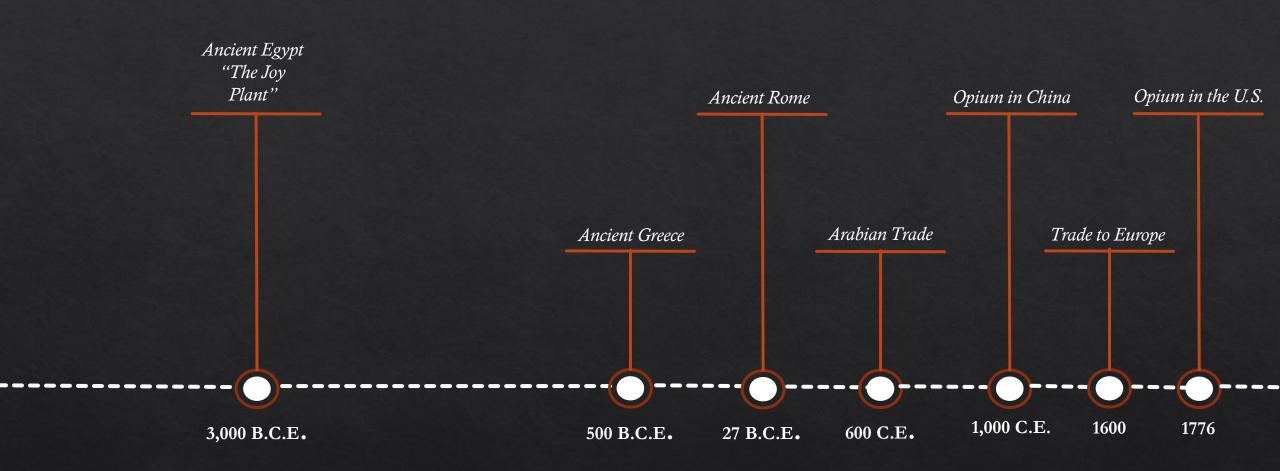
Sepidemic - a widespread occurrence of an infectious disease in a community at a particular time.

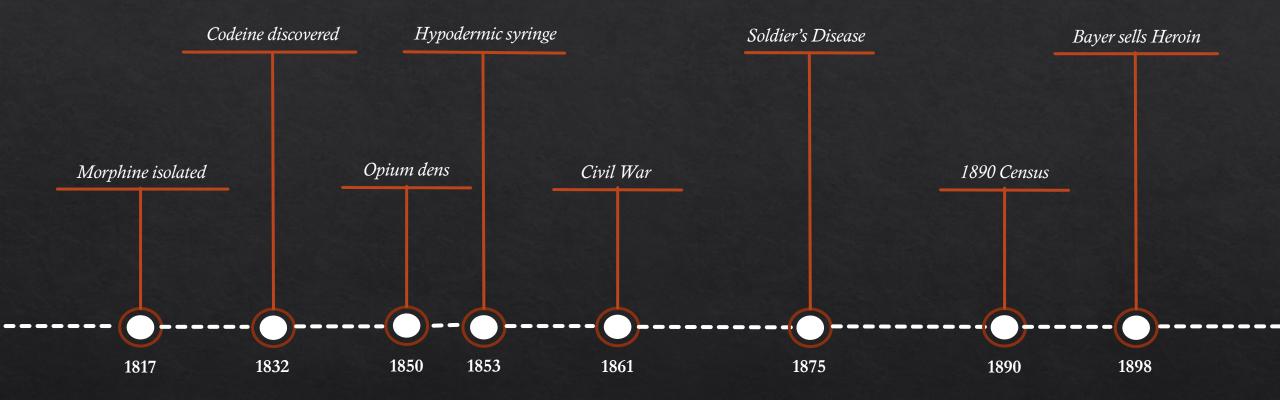
Agenda

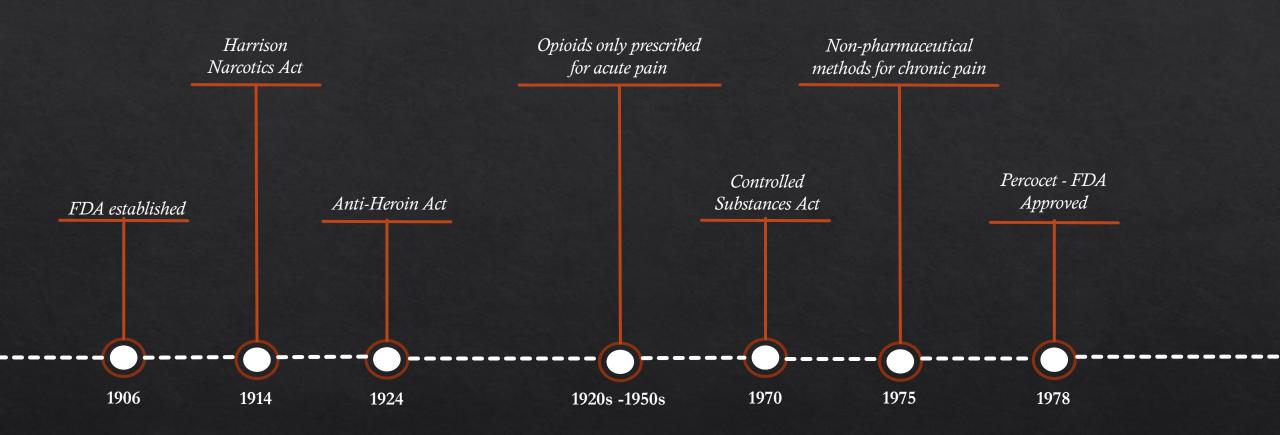


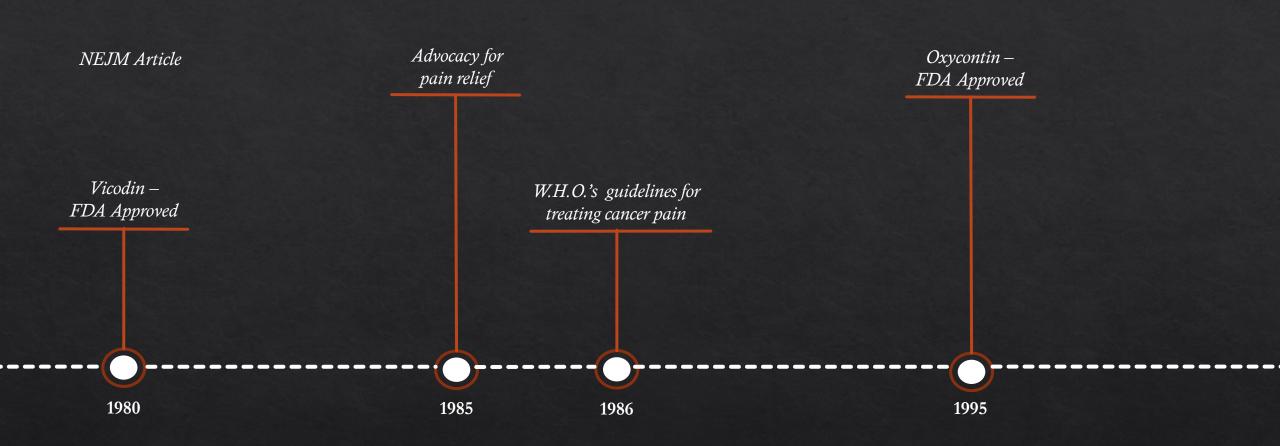


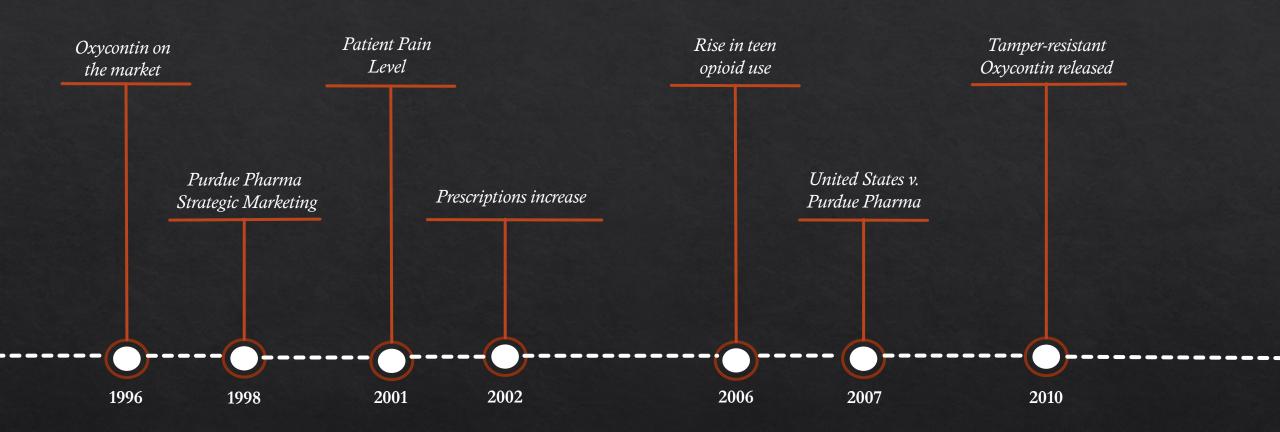
The History of Opioids

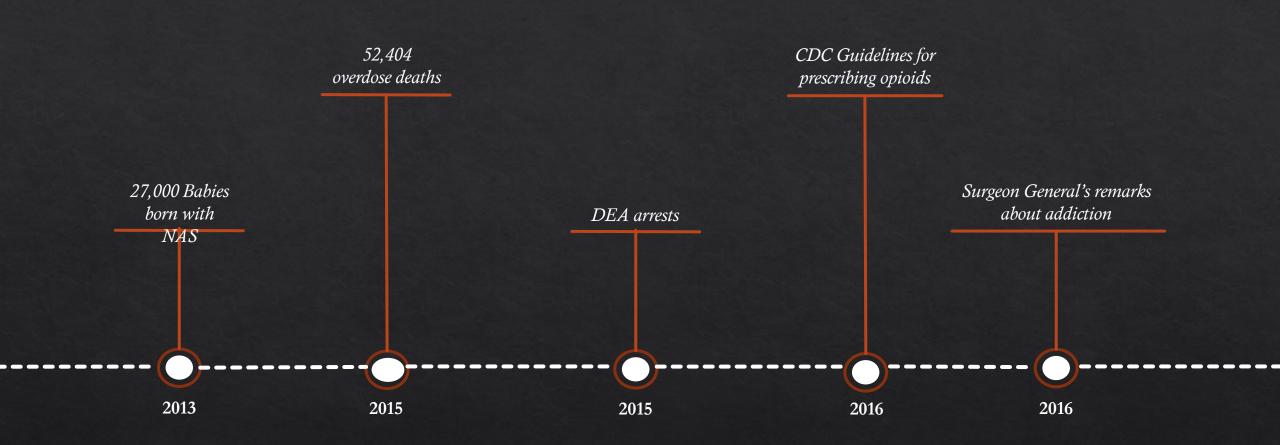


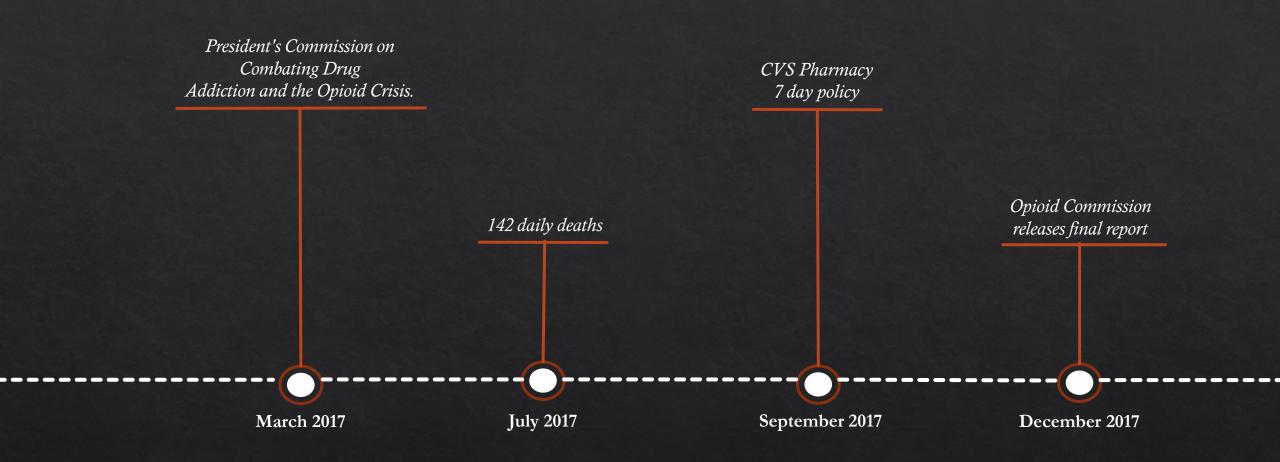


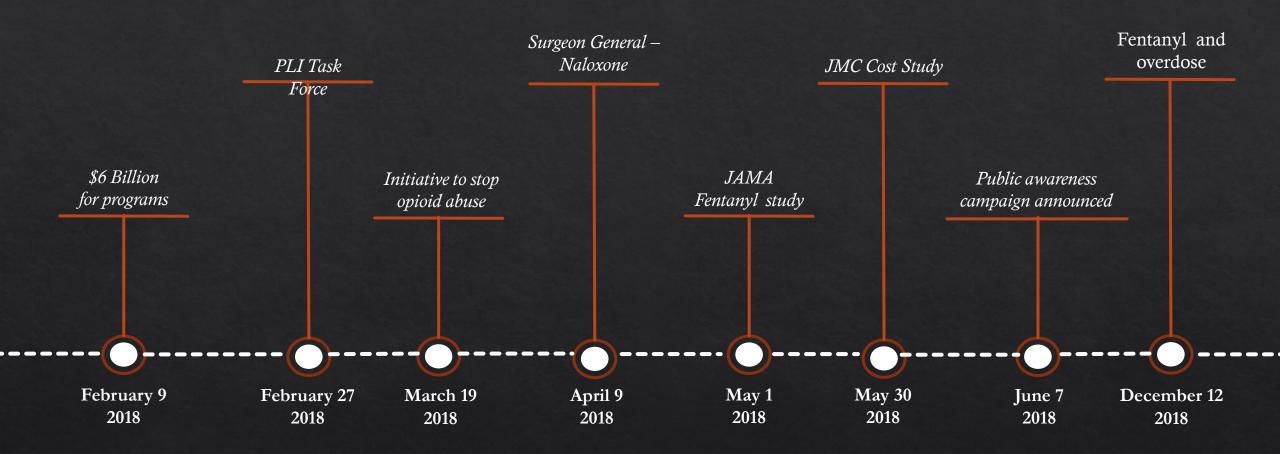


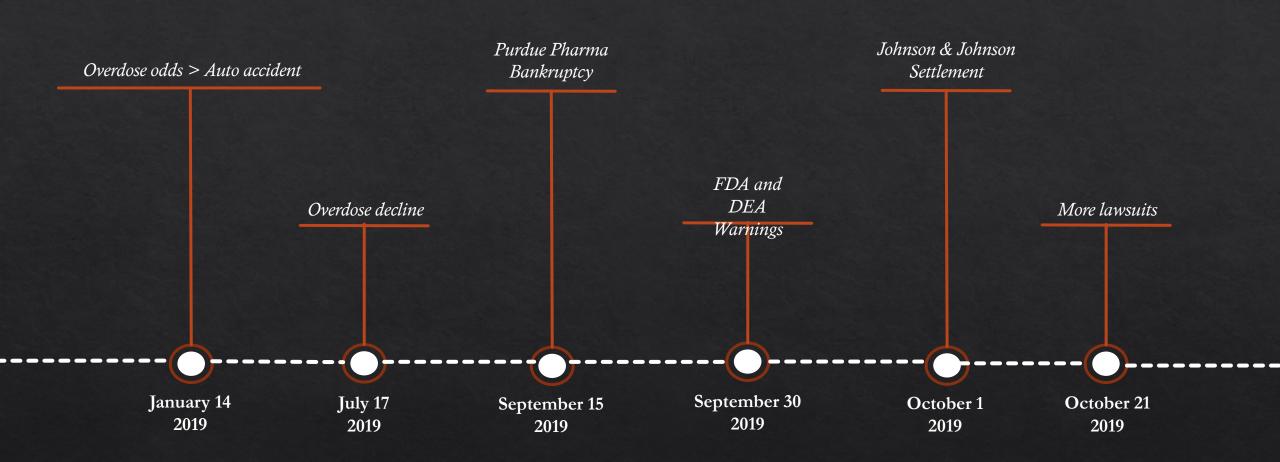


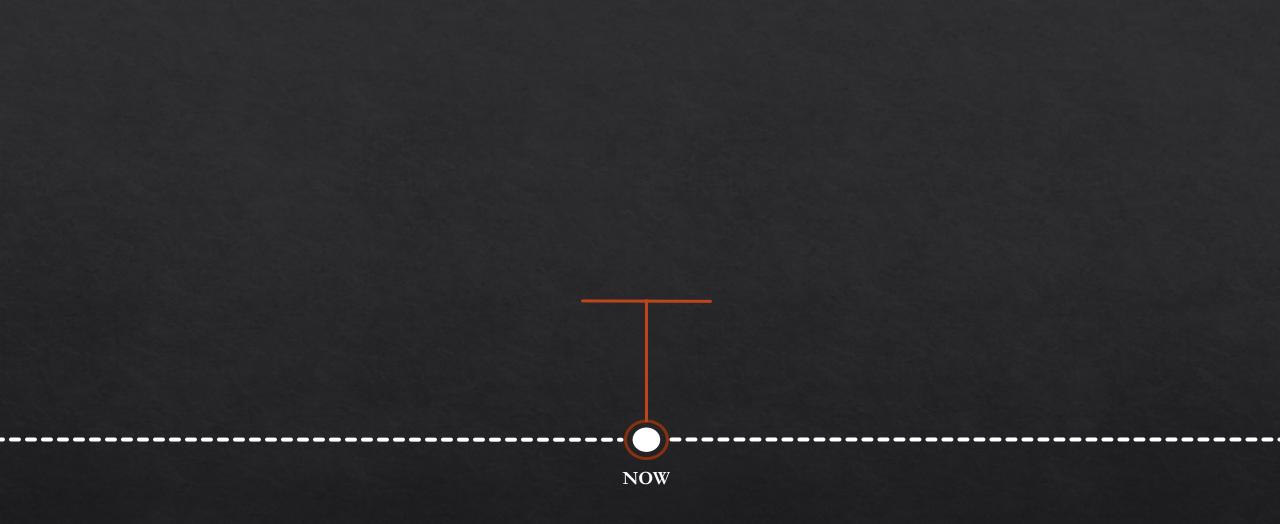












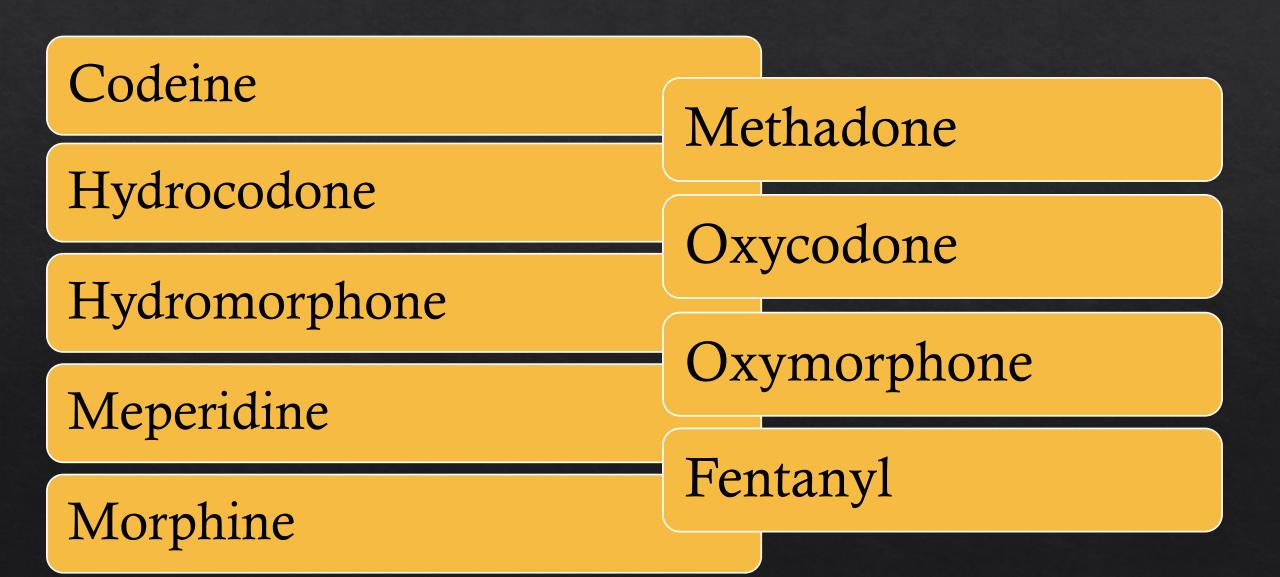
https://www.youtube.com/watch?v=B76TQGfoh W8&t=1s



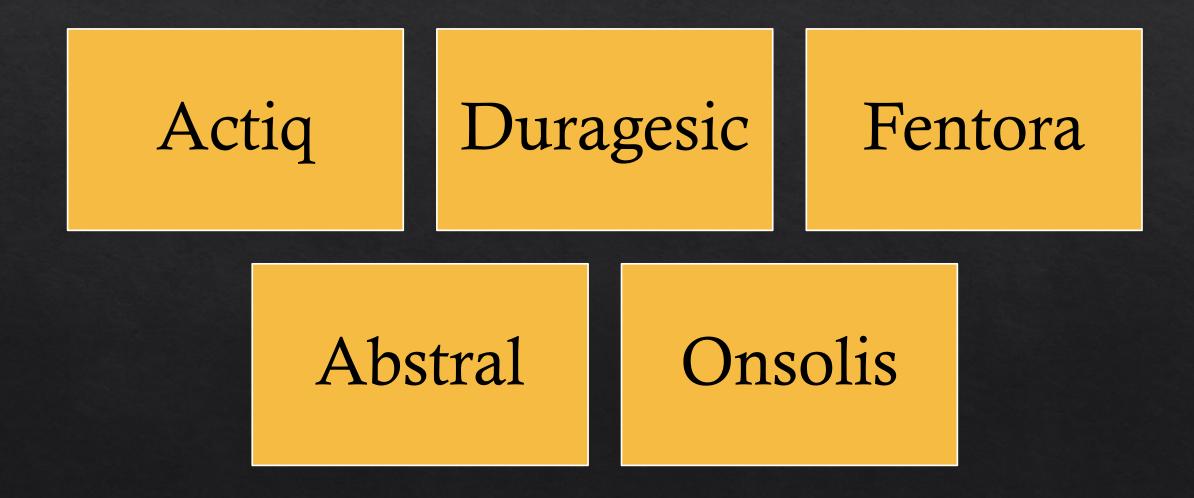
Commonly Abused Opioids

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Types of Opioids



Fentanyl



- Fentanyl is 50 times more potent than heroin and 100 times more potent than morphine.
- Pharmaceutical fentanyl is prescribed to manage severe pain. Illegally manufactured fentanyl is available in counterfeit pills or mixed with heroin and/or cocaine.

 According to the Drug Enforcement Administration, "Fentanyl is the most prevalent and the most significant synthetic opioid threat to the United States."

 Overdoses related to use of synthetic marijuana laced with fentanyl have also been reported recently.



Lethal Doses of Opioids (Dime for Scale)





♦Fake pills are much cheaper than the real versions.

The public should be aware that drugs obtained on the street, even though they look like a real prescription pharmaceutical, may be deadly.

♦It is always unsafe to take a prescription drug unless it comes from your own prescription and is dispensed by a reputable pharmacy.

The Strength of Commonly Prescribed Opioids



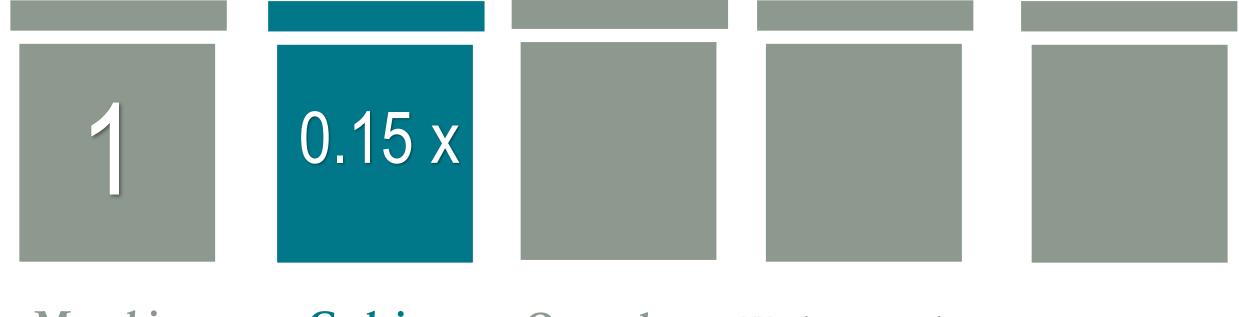
Morphine Codeine Oxycodone Hydromorphone Fentanyl

The Strength of Commonly Prescribed Opioids



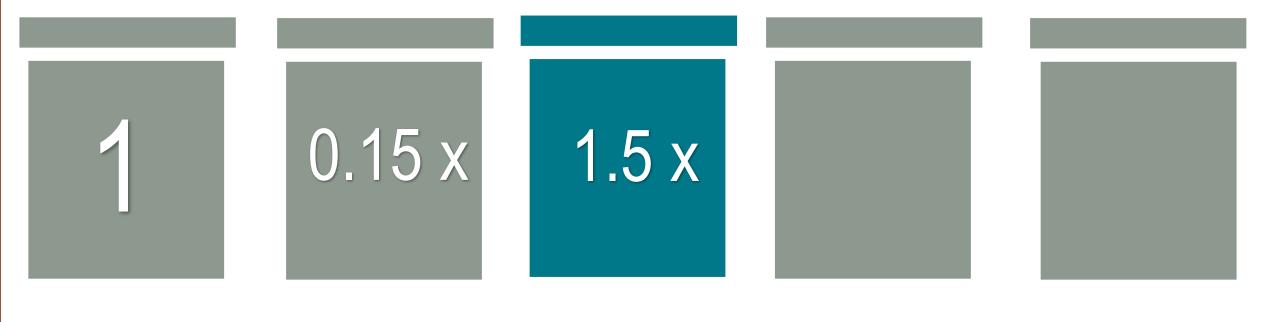
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The Strength of Commonly Prescribed Opioids



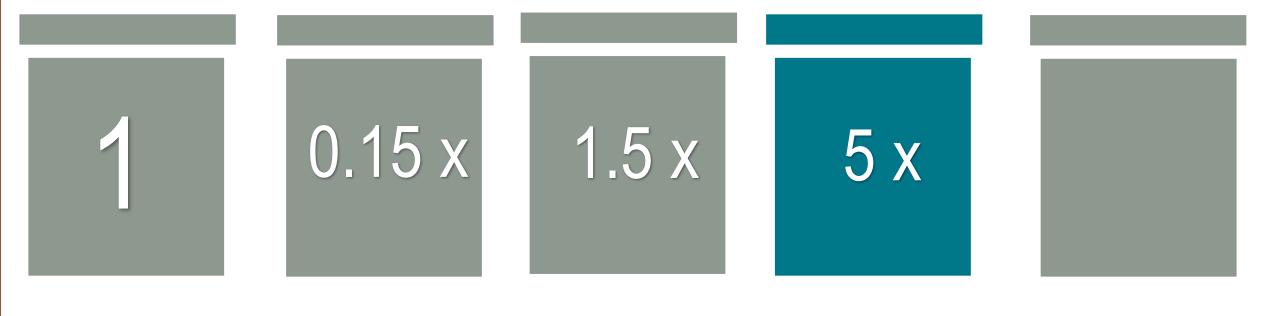
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The Strength of Commonly Prescribed Opioids



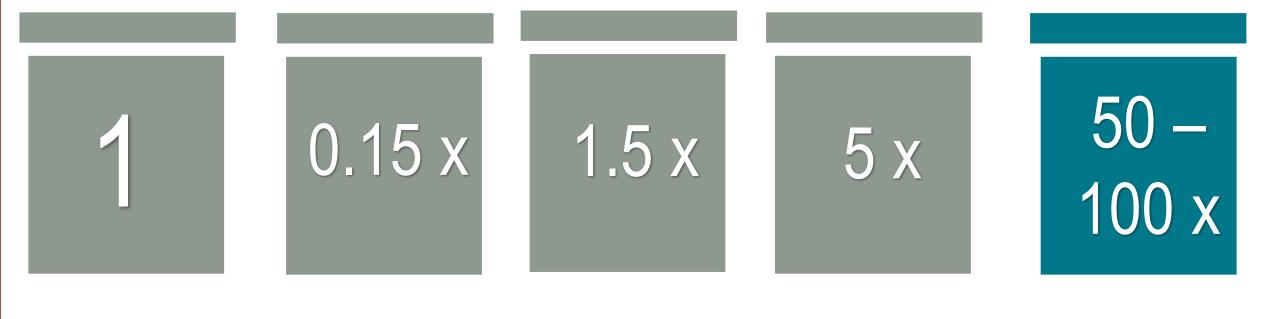
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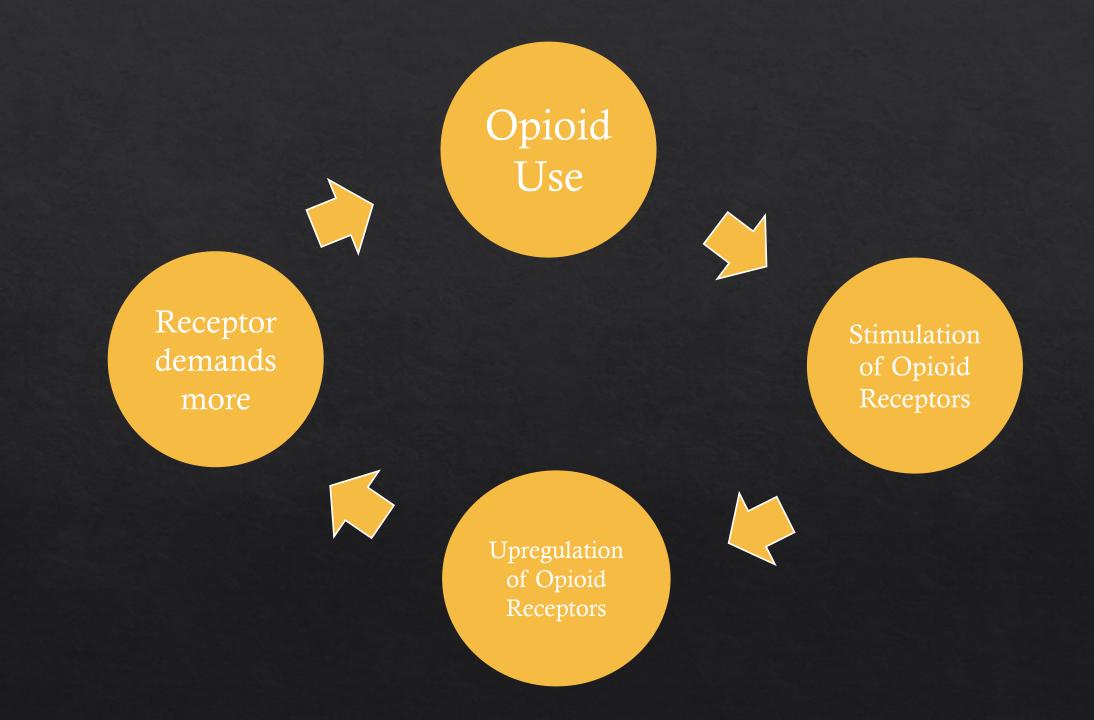


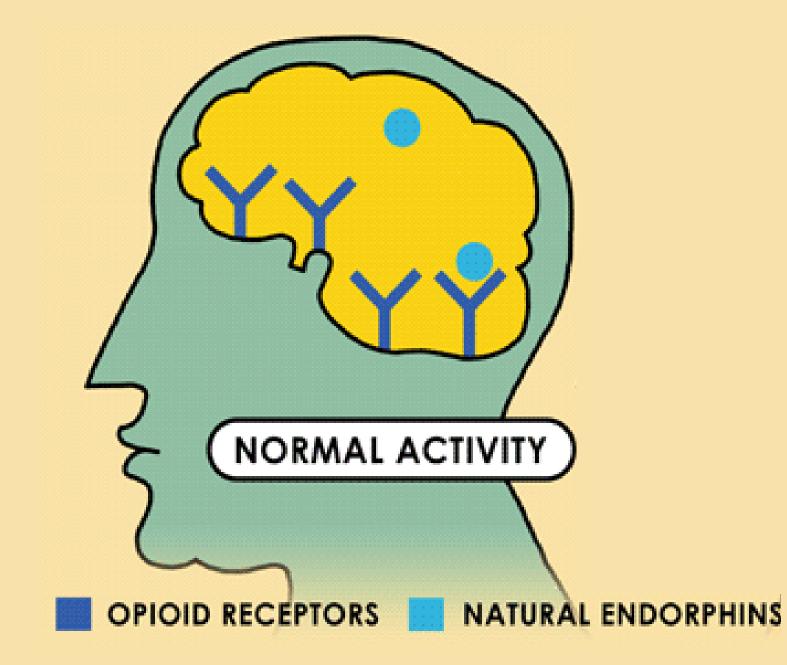
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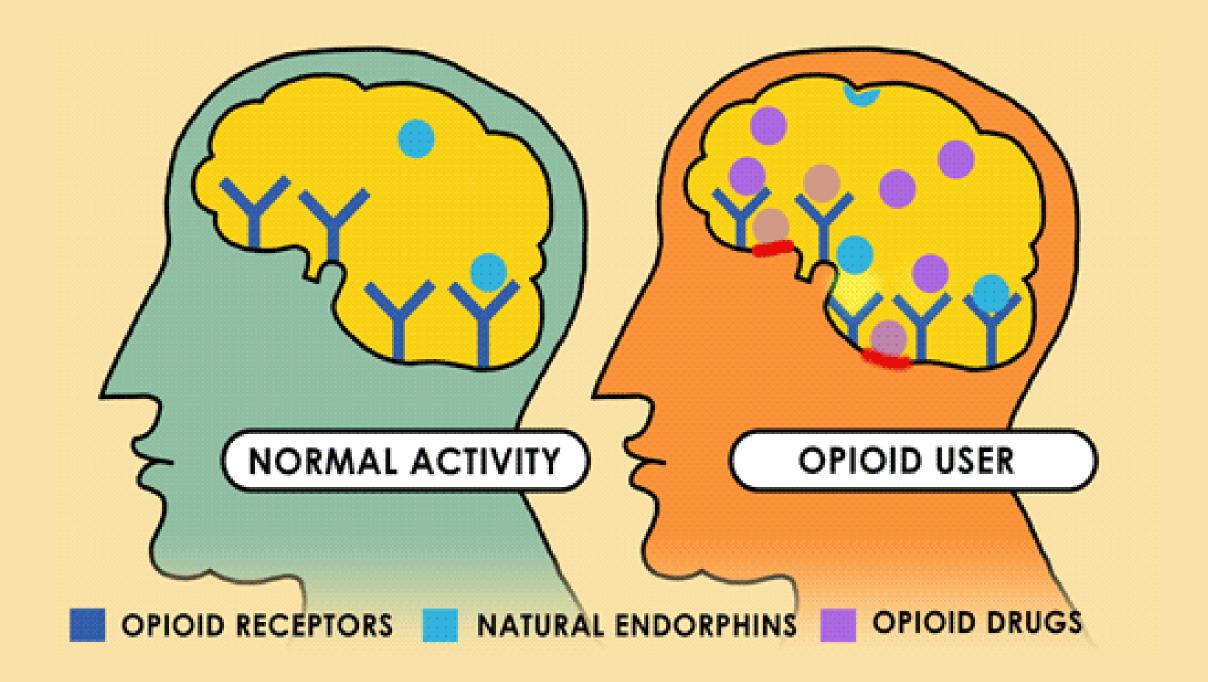
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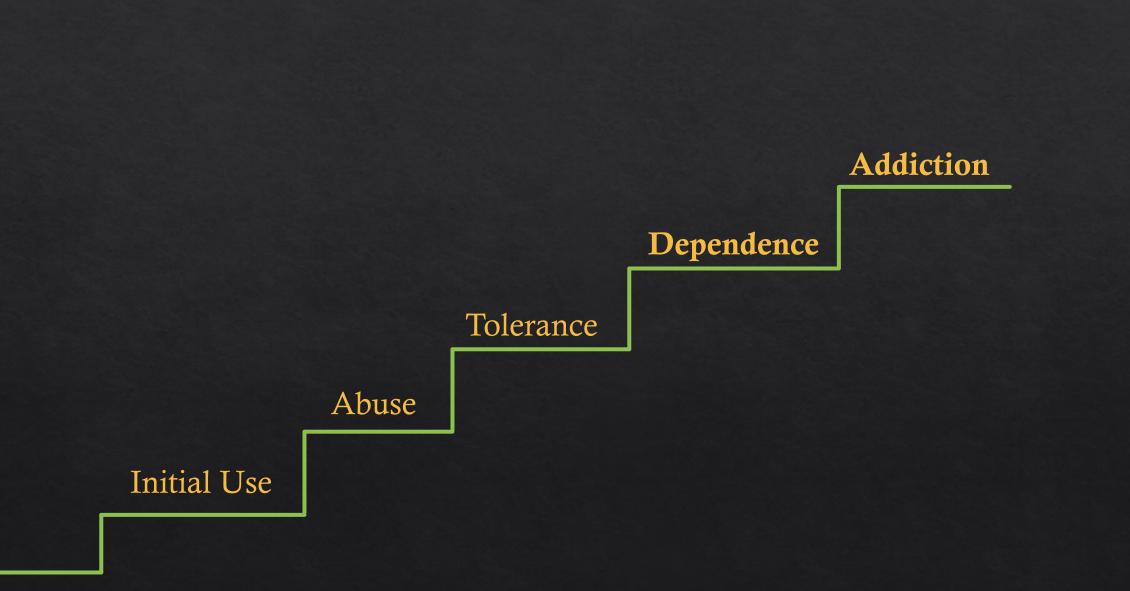


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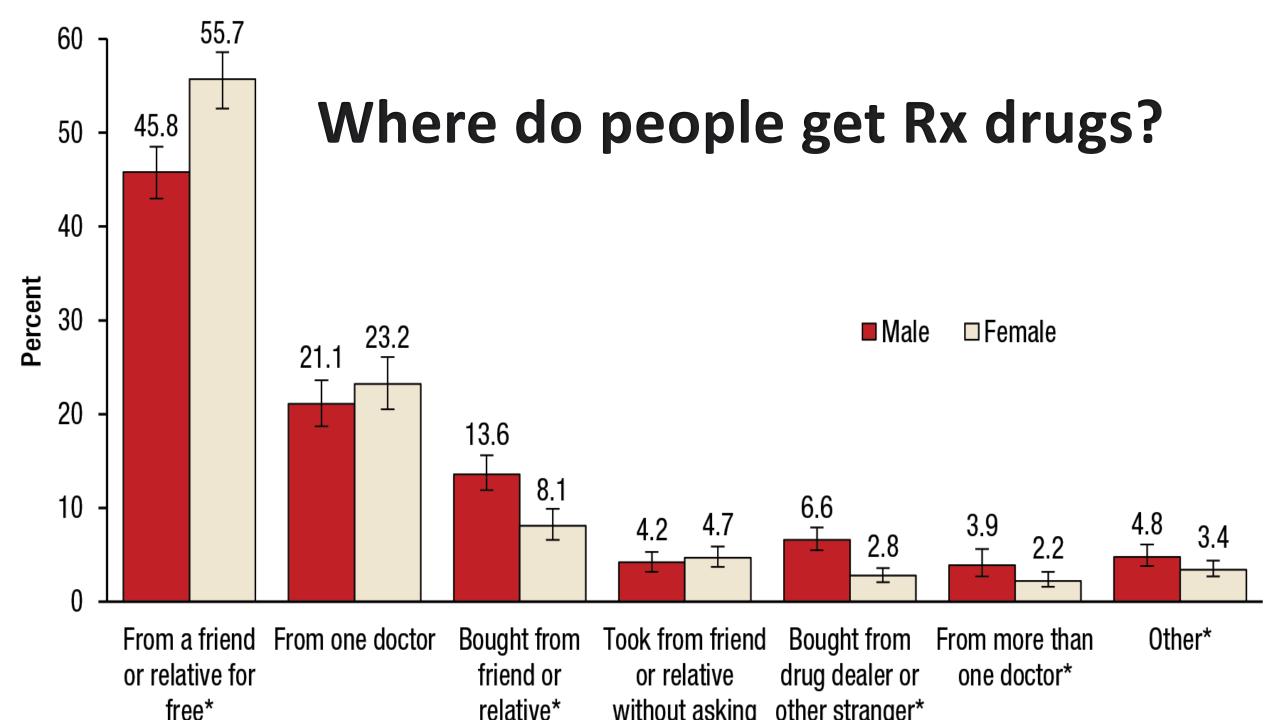


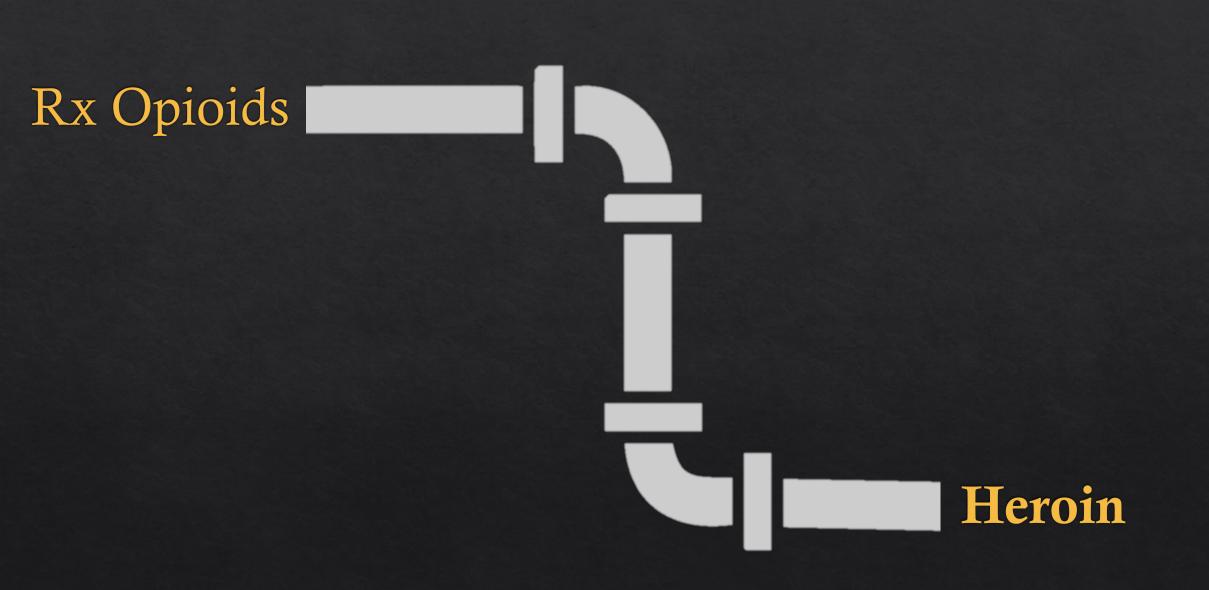






Where do people get Rx drugs?

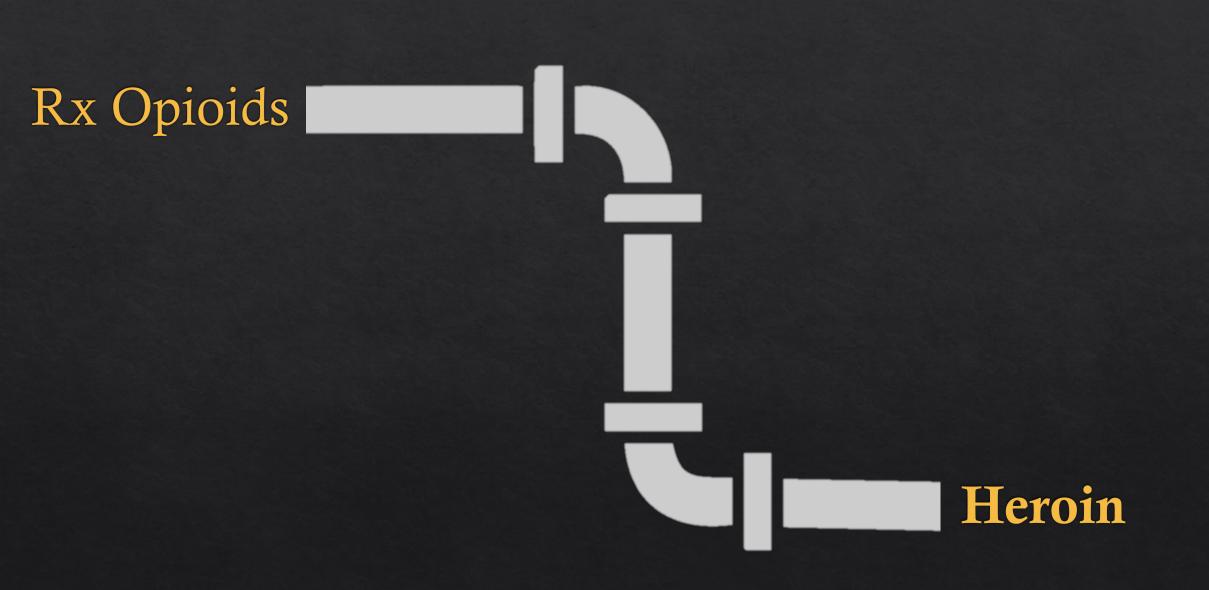




Four in five new heroin users started out misusing prescription painkillers.



Of the 20.5 million Americans 12 or older that had a substance use disorder in 2015, 2 million had a substance use disorder involving prescription pain relievers and 591,000 had a substance use disorder involving heroin. 94% of respondents in a 2014 survey of people in treatment for opioid addiction said they chose to use heroin because prescription opioids were "far more expensive and harder to obtain."





Mississippi's Opioid Crisis

♦There were a total of 197 fatalities due to opioid overdose.

Mississippi providers wrote 76.8 opioid prescriptions for every 100 persons, compared to the average U.S. rate of 51.4 prescriptions. The incidence rate of NAS/NOWS in Mississippi in 2017 was lower than the national average at 2.4 cases per 1,000 hospital births.

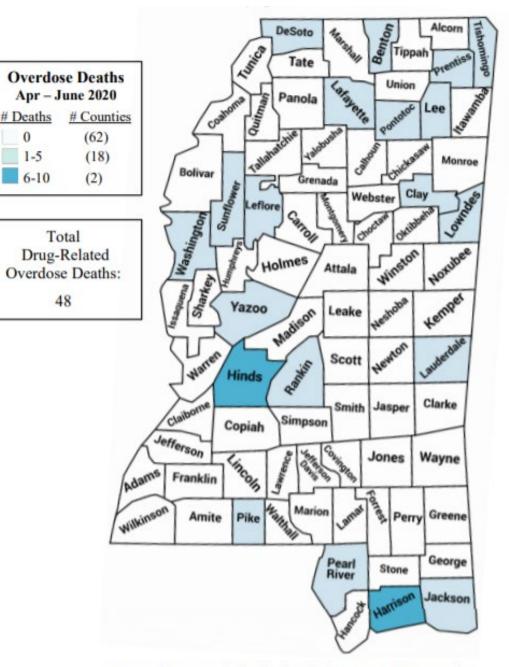
\$2020 data is still being collected. Thusfar:
\$78 Suspected Opioid Overdose Deaths
\$946 Naloxone Administrations
\$8,042 Drug Related Arrests

Suspected Opioid Overdose Deaths

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30 (Jan-March)

48 (April – June)
 197 total in 2019

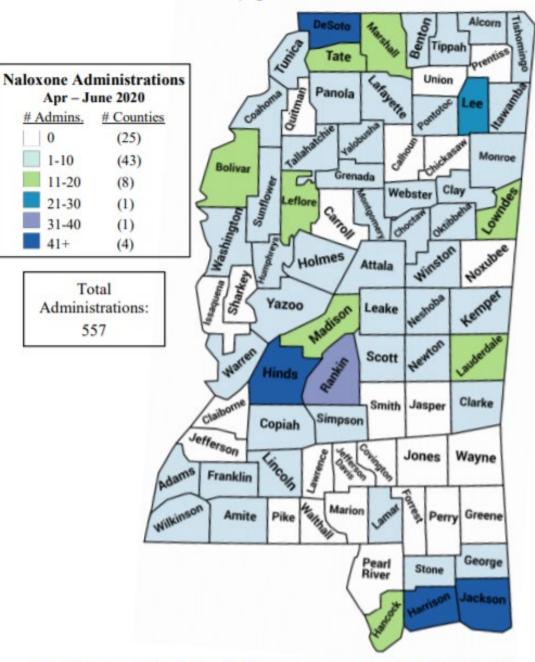


Data Source: Mississippi Bureau of Narcotics

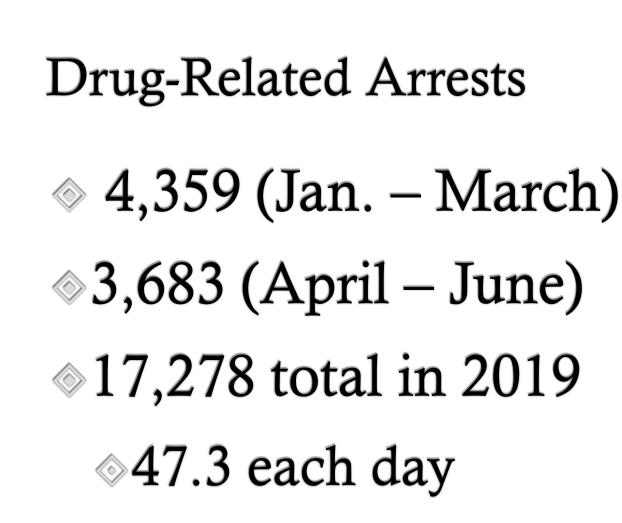
Number of EMS Naloxone Administration

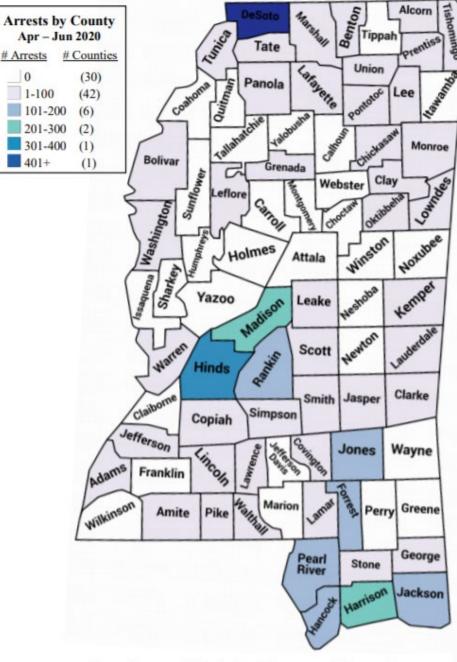
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389 (Jan. – March)
 557 (April – June)
 1,334 total in 2019



Data Source: Mississippi State Department of Health - EMS





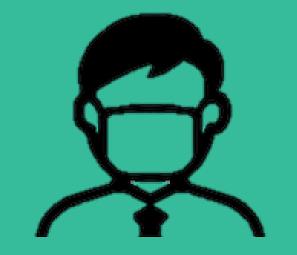
Data Source: Mississippi Bureau of Narcotics

Solution States Stat

 Naloxone is a medication designed to rapidly reverse opioid overdose. The number of prescriptions for naloxone doubled from 2017 to 2018.

 In 2018, an estimated 10.3 million people aged 12 or older misused opioids in the past year. Specifically, 9.9 million people misused prescription pain relievers and 808,000 people used heroin.





HIV/AIDS and Opioid Use

HIV Statistics

Number of new HIV infections: 37,968
Number of people living with HIV: 1.1+ million
Percent of people infected with HIV who don't know it: 15%

Percent of people with HIV who are virally suppressed: 51%

OF THE 37,968 NEW HIV DIAGNOSES IN THE UNITED STATES (US) AND DEPENDENT AREAS IN 2018:

69% WERE AMONG GAY, BISEXUAL, AND OTHER MEN WHO HAVE SEX WITH MEN

24% WERE AMONG HETEROSEXUALS 7% WERE AMONG PEOPLE WHO INJECT DRUGS

There were 9,466 people living with HIV in Mississippi.

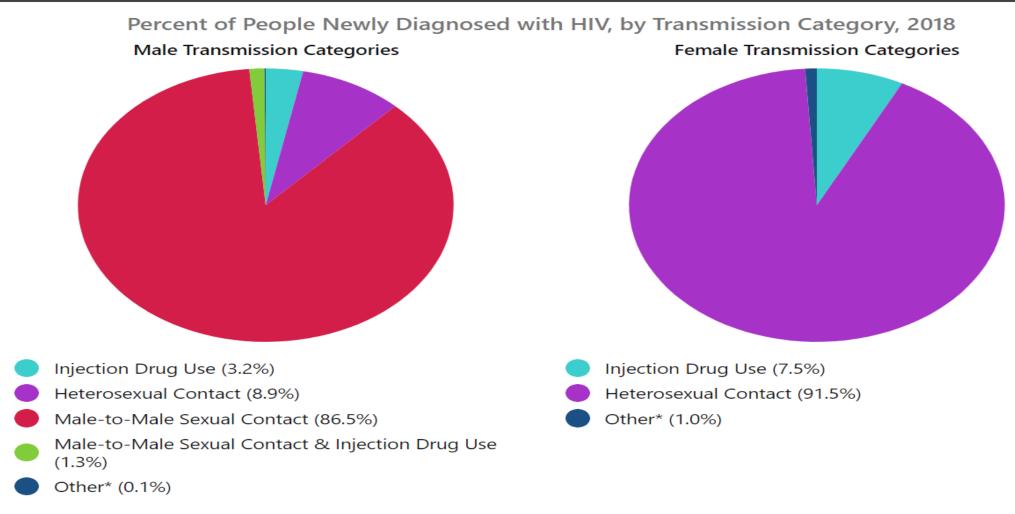
\$477 people were newly diagnosed with HIV.
Of the new HIV diagnoses in 2017, 427 occurred in Mississippi—a rate of 17.2. Among males, 3.2% of new HIV diagnoses were attributed to IDU or male-to-male sexual contact and IDU. Among females, 4.7% were attributed to IDU. In 2017, 9,399 persons were living with a diagnosed HIV infection in Mississippi—a rate of 379.1. Of those, 11.5% of male cases were attributed to IDU or male-to-male sexual contact and IDU. Among females, 13.4% were living with HIV attributed to IDU.¹⁰

People who inject drugs overall: up 9%

Men who inject drugs: up 10%

Women who inject drugs: up 7%

PEOPLE NEWLY DIAGNOSED WITH HIV, BY TRANSMISSION CATEGORY, 2018



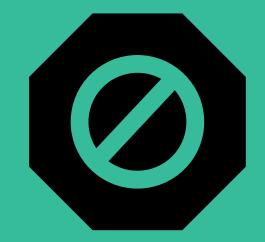
*Includes risk factor not reported or identified, along with hemophilia, blood transfusion, perinatal exposure, or missing/suppressed data



HIV and Substance Use Disorders

- According to CDC in 2016, persons who injected drugs represented "9% (3,425) of the 39,782 diagnoses of HIV in the United States in 2016 (2,224 cases were attributed to injection drug use and 1,201 to male-to-male sexual contact and injection drug use)."
- Highlighted by recent outbreaks such as Scott County (Indiana).
 From November 2014-November 2015, 181 cases of HIV with about 87 percent using opioids (oxymorphone).
- Links to hepatitis and other communicable diseases as well as HIV
- Often co-occurring mental health conditions

Prevention Strategies



Targeted Naloxone Distribution

Screening for Fentanyl Medication Assisted Treatment 911 Good Samaritan Laws

911 OUUU Samaman Laws

Academic Detailing

Naloxone Distribution in Treatment Centers and Criminal Justice Settings THE MISSISSIPPI OPIOID AND HEROIN DATA COLLABORATIVE

June 17, 2020

THE MISSISSIPPI OPIOID AND HEROIN DATA COLLABORATIVE



Provisional Data Report First Quarter of 2020

Mississippi Board of Pharmacy Mississippi Bureau of Narcotics Mississippi State Department of Health Mississippi Department of Mental Health The University of Southern Mississippi 6/17/2020

https://msdh.ms.gov/msdhsite/_static/resources/10485.pdf?rss

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OD2A

- Overdose Data to Action is a 3-year cooperative agreement that began in September 2019.
- It focuses on the complex and changing nature of the drug overdose epidemic and highlights the need for an interdisciplinary, comprehensive, and cohesive public health approach.
- Sunds awarded as part of this agreement will support state, territorial, county, and city health departments in obtaining high quality, more comprehensive, and timelier data on overdose morbidity and mortality and using those data to inform prevention and response efforts.



Mini-grants

♦ Six awardees

Targeted counties based off of need

& Grants ends in 2022

Agenda



Resources

- AMA. Issue brief: Reports of increases in opioid- and other drug-related overdose and other concerns during COVID pandemic. <u>https://www.ama-assn.org/system/files/2020-</u> <u>10/issue-brief-increases-in-opioid-related-overdose.pdf</u>
- ASAM. Opioid Addiction 2016: Facts and Figures. <u>https://www.asam.org/docs/default-source/advocacy/opioid-addiction-disease-facts-figures.pdf</u>
- Healthline. What are the 12 Leading Causes of Death in the United States? <u>https://www.healthline.com/health/leading-causes-of-death</u>
- Mississippi Opioid and Heroin Data Collaborative

https://msdh.ms.gov/msdhsite/_static/resources/11184.pdf

THANK YOU!!!



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