

# Adolescent Drug Trends

Johnson County Mental Health



# ACT and AOAS

- ACT: Adolescent Center for Treatment
  - One of two residential treatment providers in Kansas for adolescents
  - 10 beds (Co-ed Facility)
  - Located at The Recovery Place - Shawnee, Ks.
- AOAS: Adolescent Outpatient and Addiction Services
  - Johnson County specific youth (12 - 17)
  - Individual, Group, Family, Case Management

# Trends from Across the State

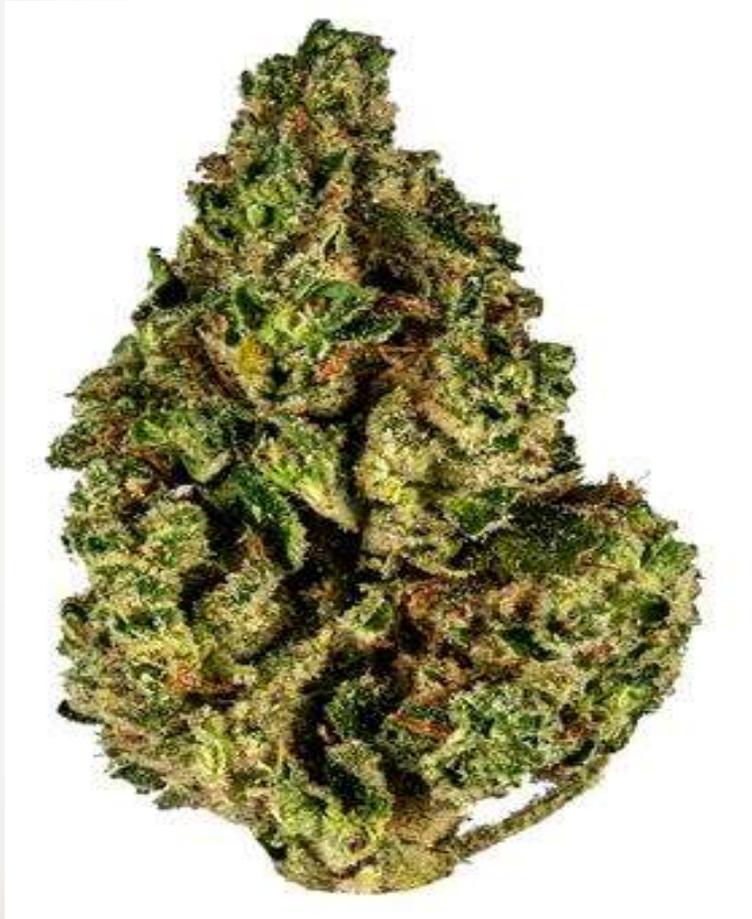
- High Potency Marijuana
- Opioid / Fentanyl
- Alcohol
- Methamphetamine
- (Nicotine)

# Marijuana



- Statistically the number one drug of choice of Adolescents in Kansas.
- 2022: 46% of youth entering Treatment through Johnson County Mental Health had a Primary Diagnosis of Cannabis Use Disorder.
  - This number is down 3% from 2021. However; Opioid rates have skyrocketed

# Evolution of Cannabis



# New Age Marijuana



# Cannabis is not what it used to be!

- Today's Marijuana is much more potent (Carts, Wax, Shatter, Crumble, Rosin, THCA, Edibles)
- THC levels in the late 60's and early 70's
  - » 3-4 %
  - » THC level's now in Kansas reaching upwards of 30% THC Concentrates: 80 - 90%.
  - » THCA Crystalline 90 - 99%
- Cannabinoid Concentrates (Butane, Co2, variety of other solvents)
  - 80-95% THC
  - "Dabbing" (Oil-Rigs/Pens/Nectar Collectors)

# Paraphernalia



# Edibles

FUNNY BONE

## Funny Bone Bake My Day Chocolate Bar (300mg)

\$52.00

1 ▼



ADD TO CART

\*Cannabis and Sales tax will be added at checkout.

Hybrid

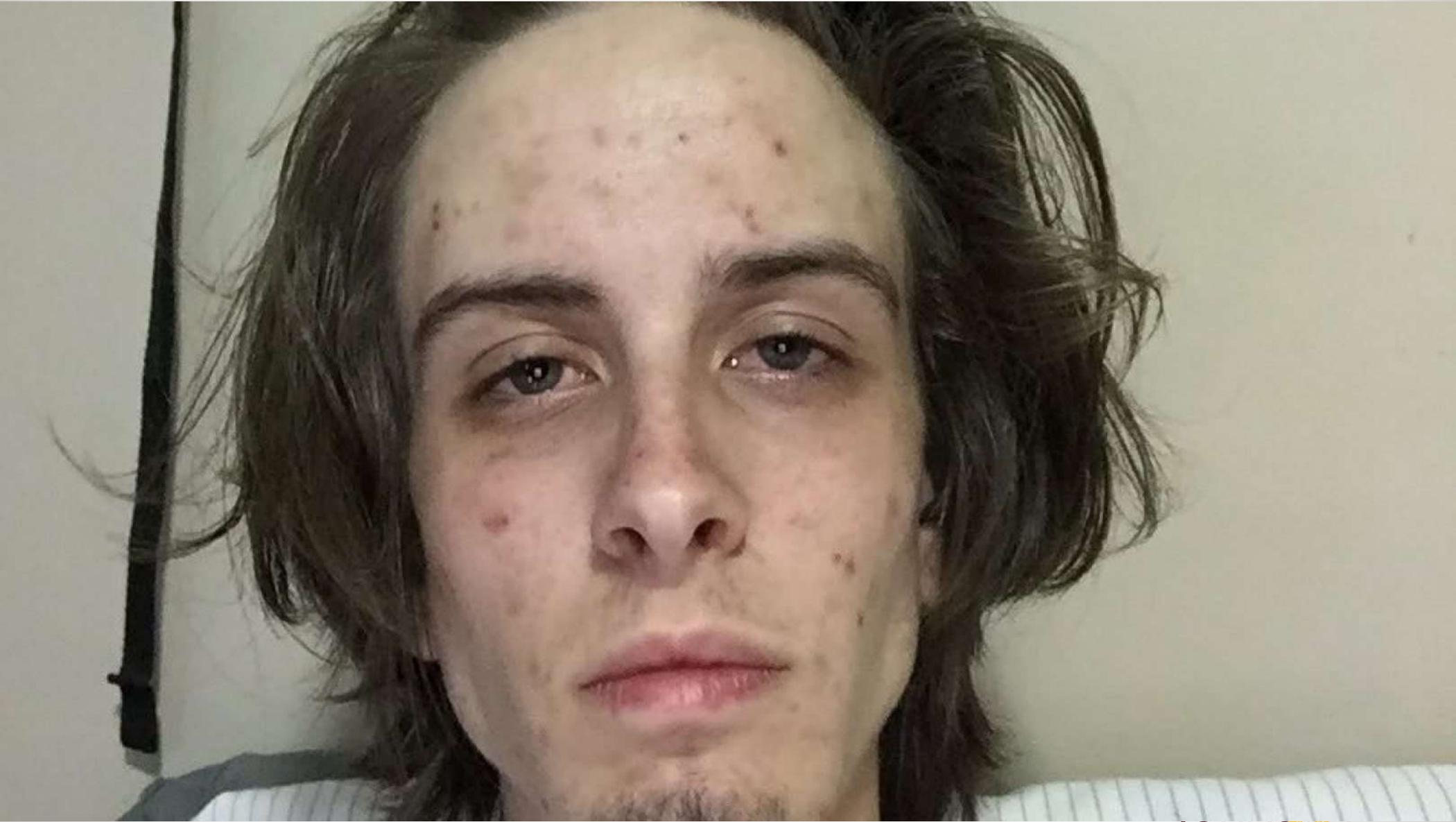
THC: 307.7 mg ⓘ

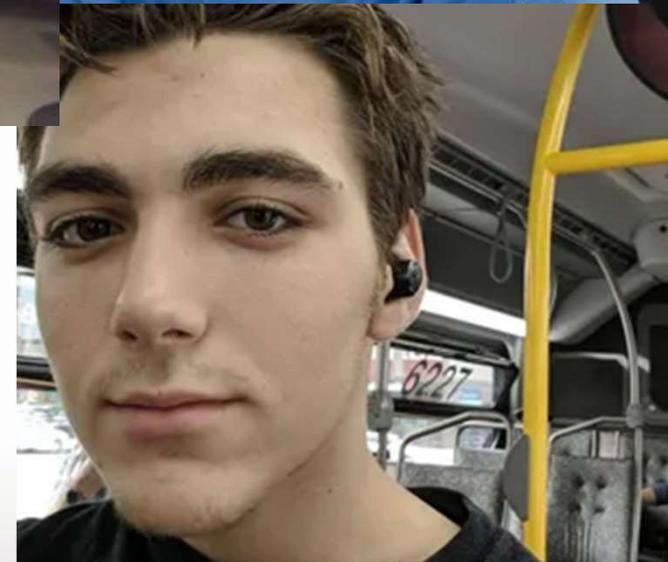
- This specific Bar is 300 mg of THC
- Each Square is a 30 mg piece of THC
  - 10 Squares = 10 Doses

# Fentanyl



# Faces of Fentanyl





# The Opioid Pandemic

## National:

- 290 Overdose/poisoning Deaths per day from Opioids
- In the 12 month period of Jan '21 - Jan '22: 107,375 people in USA died of OD
- 67% of those OD and Poisonings involved synthetic opioids = fentanyl

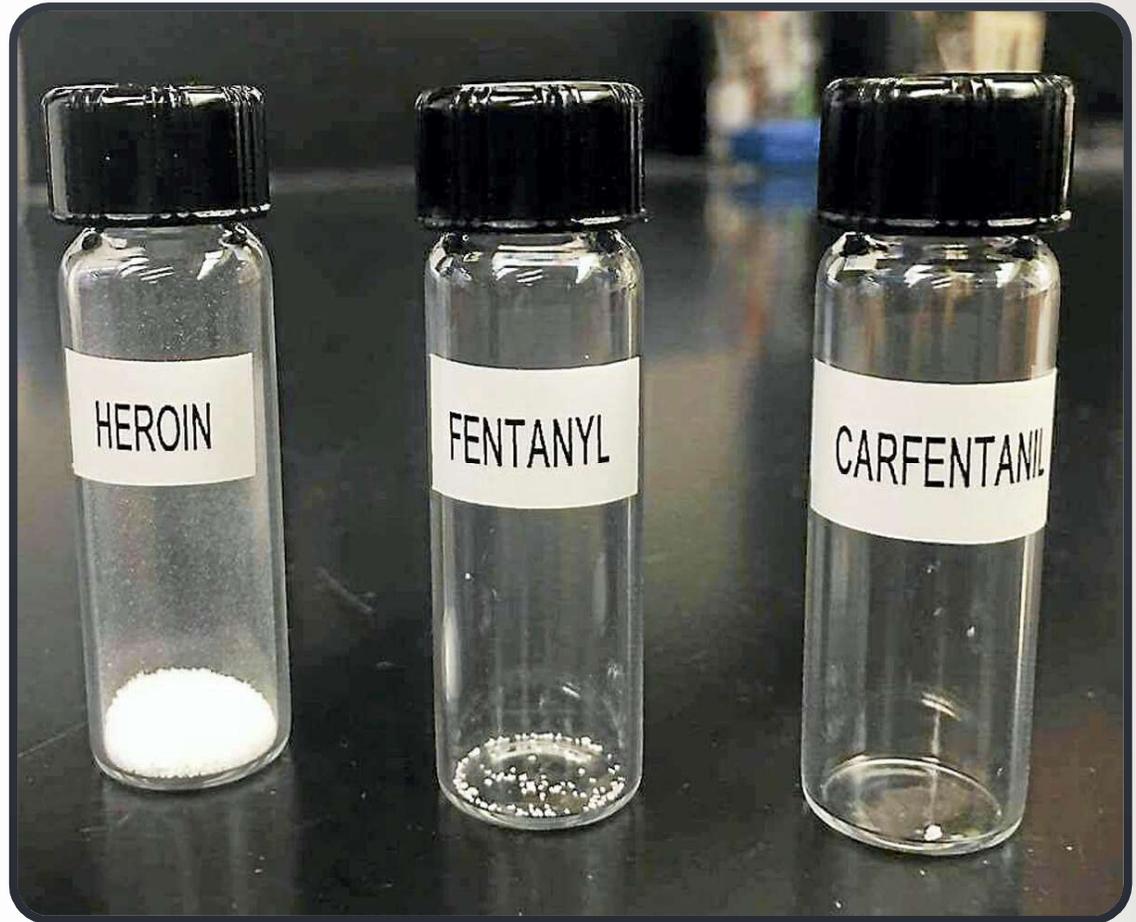


# Fentanyl Cheat Sheet

- Fentanyl is 50 times stronger than heroin and 100 times stronger than Morphine
- Two types: Pharmaceutical and Illicitly Manufactured
  - Pharmaceutical: professional manufactured, prescribed by doctors to treat severe pain and advanced stage cancer
  - Illicitly Manufactured: illegally manufactured, sold and distributed through the drug market. Often found in powder or liquid form, mixed with other substances and made into pills. Liquid form is often found in nasal sprays, eye drops or dripped on papers or candy.
- No smell, No taste and not visible . Impossible to tell if it is present without testing the product. However; Fentanyl test strips are illegal in Kansas (drug paraphernalia)
- Fentanyl does NOT show up on a standard UDS or mouth swab. (Synthetic Opioid)
- High dosages will hijack the brain's ability to detect co2
- Fat Soluble drug that passes through the blood brain barrier quickly

## What's to come to Kansas??

- Natural delay being in the middle of the country, but also a good opportunity to study what is to come. (
- Carfentanyl: 10,000 x more potent than heroin (remember Fentanyl is 50 x)
- Xylazine: “Tranq” - veterinary medication used for surgery
  - Usually a powder form and pressed into pills
  - Enhances and prolongs the high of opioids
  - Decreases the impact of Narcan (can lead to failure)
  - Flesh eating drug - IV use results in tissue, muscle and skin sores



# Being in the Know

- Fentanyl has a short duration of action (typically less than an hour) therefore continued used/frequent use is observed.
- With Tolerance comes withdrawals.
- Serves as strong reliever of pain as well as feelings of Euphoria and sedation.
- Of great concern is Respiratory Depression associated with opioid use.
  - Resulting in high levels of Co2 in the body and a halt in breathing.



# 2022 Statistics



## DEA Seized Record Number of Fentanyl Pills in 2022

Fentanyl Pills Seized  
Over 50,600,000

Fentanyl Powder Seized  
Over 10,800 lbs

These fentanyl seizures represent more than 379 million deadly doses\*

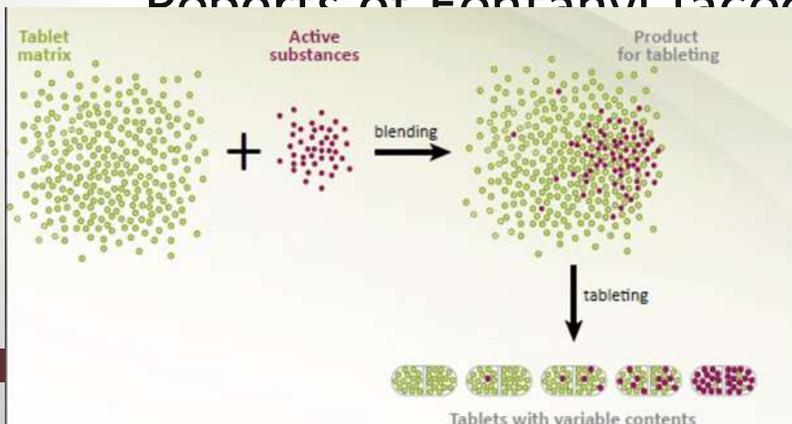


6 out of 10  
Counterfeit pills  
contain over 2 mg  
of Fentanyl

# One Pill Can Kill

- Counterfeit pills are the leading cause of accidental overdose / Poisoning deaths in the United States.
  - Oxycontin, Adderall and Xanax are the most frequently fabricated/counterfeit medications on the market.

Reports of Fentanyl laced



## COUNTERFEIT PILLS



**ARE DANGEROUS**



# Naloxone

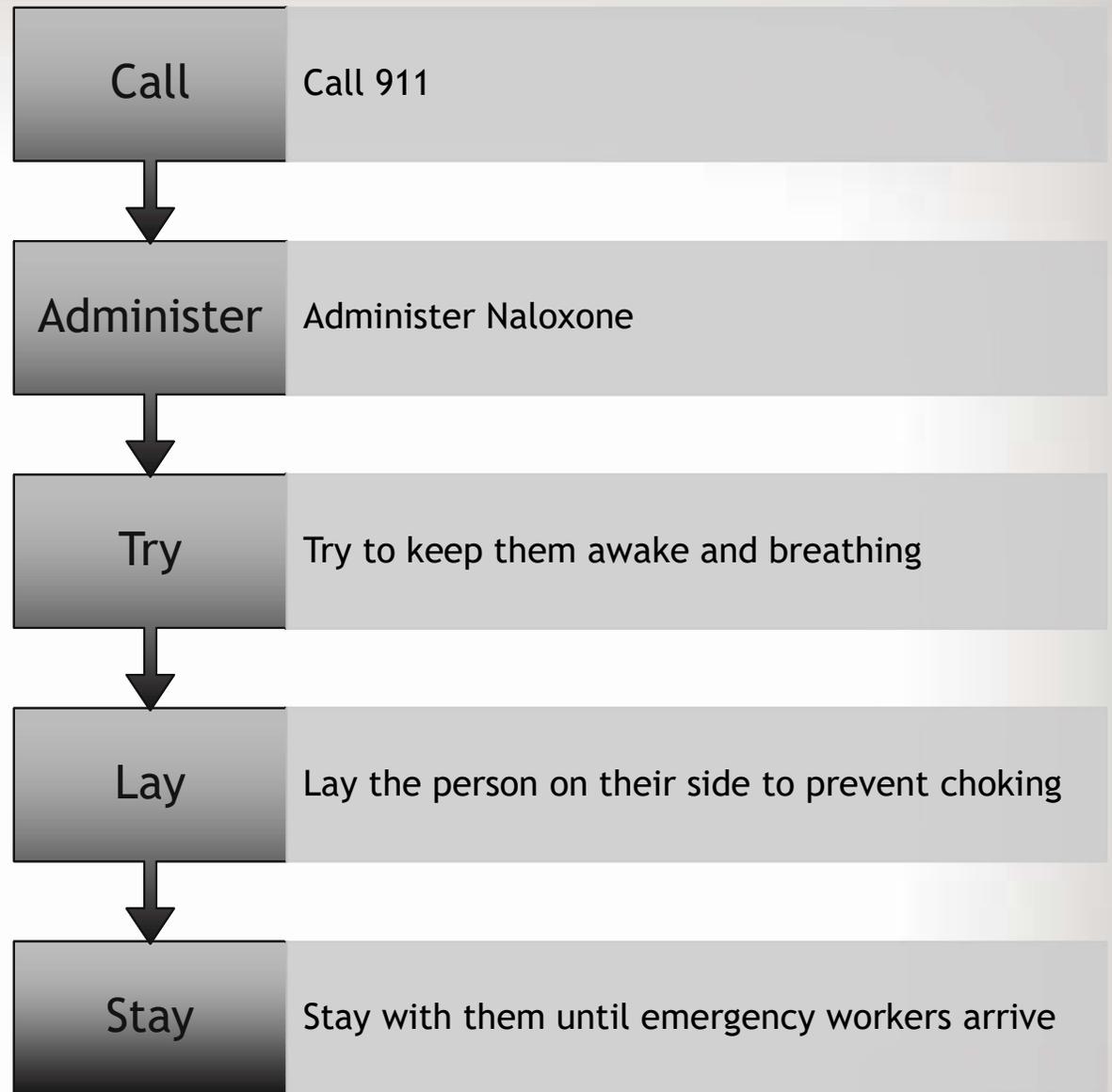
- Fentanyl is a competitive Agonist
- Naloxone: a medicine that rapidly reverses an opioid overdose.
  - Called and Opioid Antagonist
  - Attaches to the opioid receptors and reverse / blocks the effects of the opioids
  - Quickly restores normal breathing to a person if it has stopped or slowed
  - May require multiple doses
    - This will not harm them
    - CALL 911
    - Half life is shorter
    - Result = withdrawal symptoms
    - Which leads to???? Continued use!



# MAT / MOUD

- Medically Assisted Treatments / Medication for Opioid use disorder
- \*\* Considered harm reduction- can be controversial = swapping drugs for drugs \*\*
- Seatbelts, life jackets and bike helmets
- Suboxone: Buprenorphine and Naloxone
  - Buprenorphine: Partial Agonist - Addresses the cravings for opioids, blocks receptors
  - Naloxone: Antagonist - counteracts opioids
    - Together they eliminate withdrawals and suppress cravings
- Naltrexone: Injectable medication - must be sober for 2 weeks

What to do if  
you think  
someone is  
overdosing



### Drug Period 1

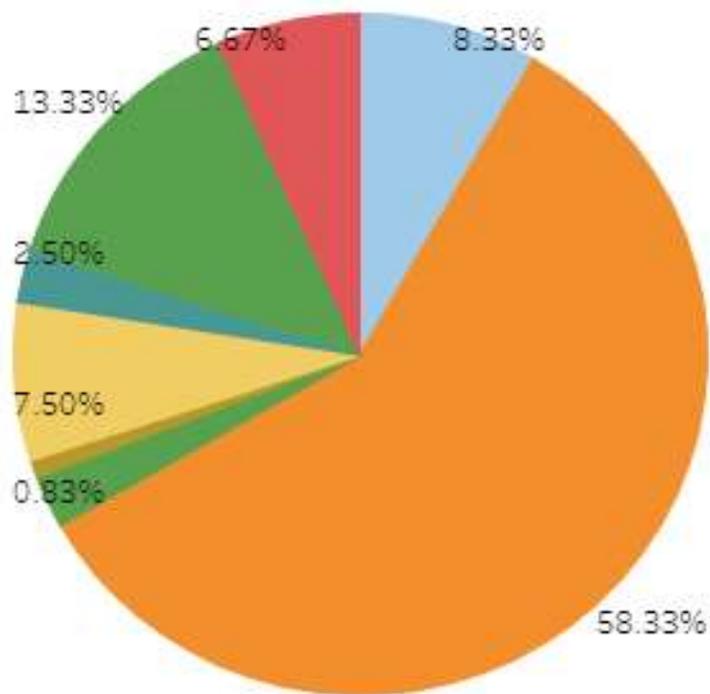
Admission Range 1

1/1/2020 12/31/2020



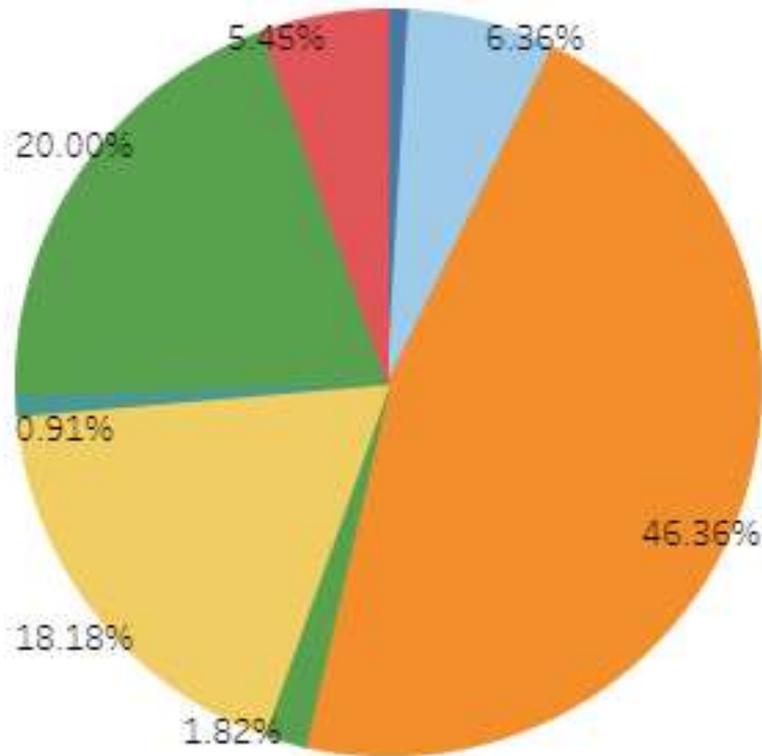
SUDiag1

- Alcohol
- Cannabis
- Hallucinogen
- Nicotine
- Opioid
- Other psychoactive subs
- Other stimulant (e.g. Me
- Sedative, hypnotic, or ar



# Snapshot into Adolescent Substance Use Trends

## Drug Period 1



### Admission Range 1

1/1/2021

12/31/2021

### SUDiag1

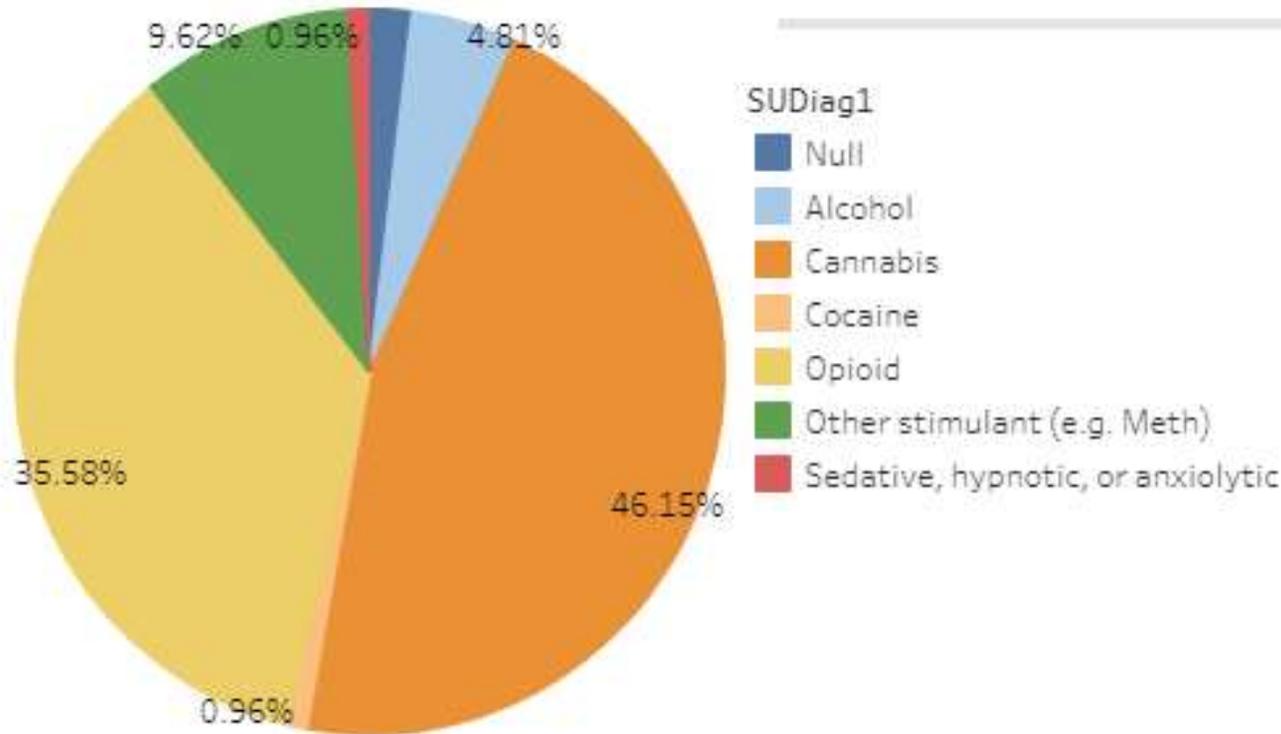
- Null
- Alcohol
- Cannabis
- Hallucinogen
- Opioid
- Other psychoactive subs
- Other stimulant (e.g. Me)
- Sedative, hypnotic, or an

# Snapshot into Adolescent Substance Use Trends

## Drug Period 2

Admission Range 2

1/1/2022



# Snapshot into Adolescent Substance Use Trends