Substance Misuse and Educators Role in Harm Reduction





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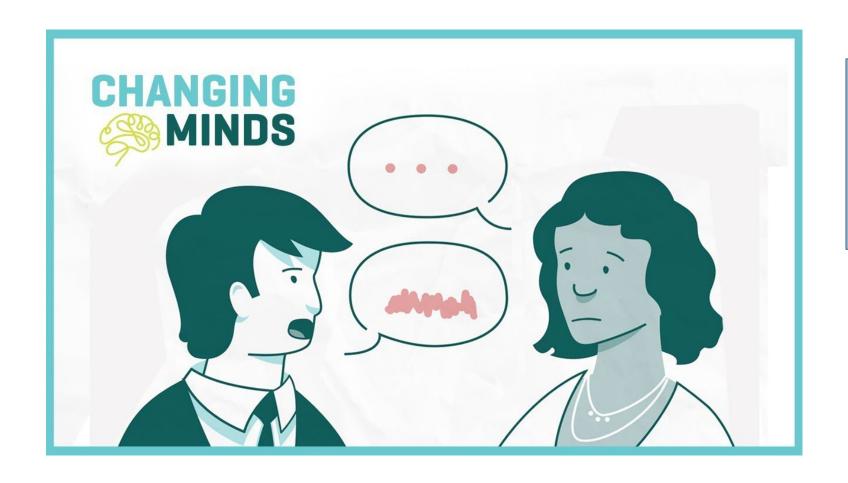
The Developing Brain

https://vimeo.com/14 5188894?embedded=tr ue&source=vimeo_logo &owner=45670850





What is Addiction and Substance Use Disorder?



https://www.yout ube.com/watch?v =TAzgw599Gyg



Recognize the Signs

Mood changes (e.g., flare-ups of temper, irritability, defensiveness)

Poor class attendance, low grades, and/ or behavior problems

Disregard for school rules

Memory lapses, poor concentration, bloodshot eyes, lack of coordination, or slurred speech

Switching friends and a reluctance to allow parents to meet new friends





23.6% of HS students who had one drink or more in the last 30 days

> 13.3% of HS students who had used marijuana in the last 30 days

12.2% of HS used (other drugs) to experimented or to see how it felt in the last 12 months

https://cdphe.colorado.gov/healthy-kids-colorado-survey-dashboard





Rise Above Colorado Youth Survey



Most often used:
Alcohol 45%
Vaping 30%
Marijuana 25%

NORTHEAST DATA:

- 31% agree experimenting is part of being a teen
- 30% drugs can help manage stress
- 17% prescription drugs (stimulants) is safe
- 51% live with someone with a SUD or addiction
- 24% offered drugs not prescribed to them
- 42% offered marijuana

SCHOOL EDUCATION:

- 58% Prescription not prescribed to you
- 69% Alcohol
- 58% Marijuana
- 80% Vaping

 https://www.riseaboveco.org/imag es/2022%20Rise%20Above%20CO%20 Youth%20Survey%20Results.pdf





Rise Above Colorado Youth Survey

Mental Health and Substance Use Connection

NE Respondents:

Poor Mental Health Days/Month

- 39% reported 3-5 days
- 23% reported 6-13 days

Both increased since 2020

% Used Recently (Past 30 Days)	Number of Poor Mental Health Days			
	None (n=116)	One to Two (n=175)	Three to Five (n=239)	Six or more
Pain Reliever		1%	5%	3%
Stimulant	1% 👃	5%	8% 👚	5%
Anti-Anxiety	1%	1%	4%	4%
Alcohol	11% 🖣	21%	22%	20%
Vaping	6% ↓	18%	19%	22%

COMMON EMOJI CODES

FAKE PRESCRIPTION DRUGS

PERCOCET & OXYCODONE





















DEALER SIGNALS

DEALER ADVERTISING

















UNIVERSAL FOR DRUGS





OTHER DRUGS

METH



























HEROIN













COCAINE



























LARGE BATCH



MDMA & MOLLIES







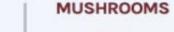




















COUGH SYRUP















MARIJUANA













Disclaimer: These emojis reflect common examples found in DEA investigations. This list is not all-inclusive, and the images above are a representative sample.



1 hospitalized, 4 treated after suspected drug overdose at JFK High School

Fentanyl kills Mitchell High student, dealer arrested

Twenty-nine kids between the ages of 10 and 18 died as a result of fentanyl during the 2021-2022 school year, according to the state health department.

El Paso County lost more
youth to fentanyl overdose
than suicide.

Accidental fentanyl overdose investigated in 13-year-old's death

Less than a day after starting the 8th grade at Aurora Hills Middle School, his family says Jose was

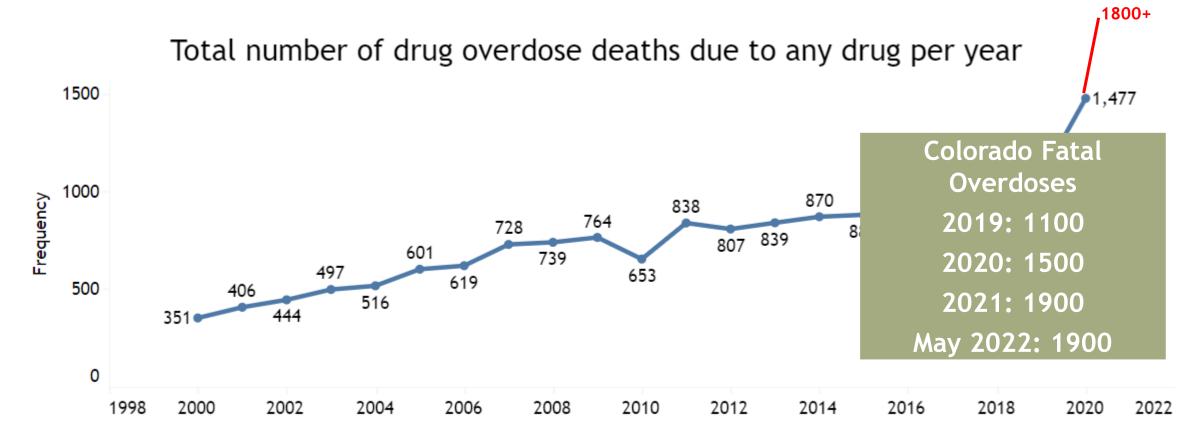
found dead from an accidental fentanyl overdose.

Two Colorado teens die of apparent overdoses









https://www.cdc.gov/nchs/nvss/vsrr/drug-overdose-data.htm



More Numbers

Hospital Admissions for Overdose Ages 15 - 24 years largest group at 22%



WELD
21 deaths
= ages 15 24 years

Weld County
experienced a 47%
Increase in
Overdose Deaths
from 2020 to 2021

53

Overdose deaths in Weld in 2020



100

Overdose deaths in Weld in 2021

CDPHE Drug Overdose Dashboard





Illicit Fentanyl (Opioid)









Oxy M30 "Blues"

Authentic

Counterfeit









DEA: 2 out of every 5 pills contain a potentially lethal dose



Synthetic opioid 80-100 times stronger than morphine, 50 times stronger than heroin



Harm Reduction Toolbox



Rise Above Colorado Not Prescribed 60-minute Standards Based Lesson designed for Teens



Naloxone Training Narcan **CAHEC** offers Narcan Training and Supplies



Colorado Consortium Naloxone for Schools Google Drive with Process of Getting Naloxone in Schools



SAMSHA Talk. They Hear You. Student Assistance Webinar Series Fact Sheet



Substance Use Prevention Program Using Storytelling



NCHA Co-SLAW

Access to treatment and peer support





OVERDOSE AND NALOXONE TRAINING





What are Opioids?

Opioids can be:

- Natural or synthetic
- Prescription medications or illegal drugs
- Pills, capsules, powder, dermal patches, or liquid
- Swallowed, smoked, snorted, or injected

Overtime, opioid use changes both the amount and sensitivity of dopamine receptors causing users to need a continuous supply of opioids to feel "normal."

The Limbic System

Opioids can create feelings of pleasure, relaxation and contentment

The Spinal Cord

Opioids decrease feelings of pain, even after serious injuries

The Brainstem

Opioids can slow breathing, stop coughing and reduce feelings of pain



Generic Name	Brand Name
Oxycodone	Oxycontin®, Percocet®, Roxicodone®
Oxymorphone	Opana [®]
Hydrocodone	Vicodin®, Lorcet®, Zohydro®, Zortab®
Hydromorphone	Dilaudid®
Morphine	
Meperidene	Demerol®
Codeine	Tylenol® 3 & 4
Buprenorphine	Suboxone®, Subutex®, Zubsolv®
Methadone	
Fentanyl	Duragesic®

Illicitly manufactured **fentanyl** (IMF)

- Pill form packaged to look like prescription medications
- Powder form looks like heroin, cocaine, meth
- May be hundreds of times more potent than heroin
- Counterfeit Pills (Opioids, Stimulants, Benzo)



Signs of an Opioid Overdose



Blue lips or nails



Dizziness and confusion



Can't be woken up



Choking, gurgling or snoring sounds



Slow, weak or no breathing



Drowsiness or difficulty staying awake





Responding to an Overdose



Shake and wake



Call 911



Give naloxone

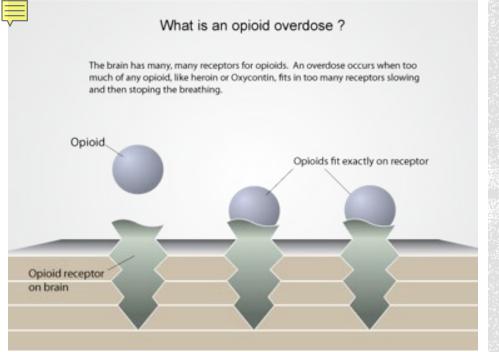


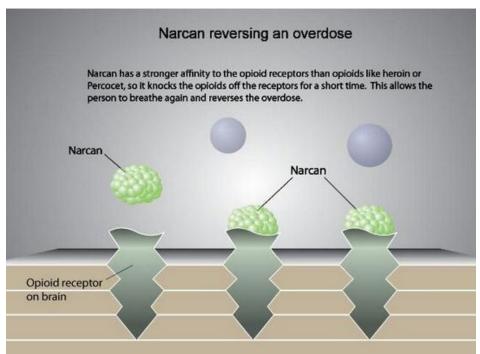
Rescue breathing/recovery position



Care for the person







What is naloxone (Narcan)?

- The brain has many receptors for opioids. When too much of an opioid fits on too many receptors, an overdose occurs.
- Naloxone knocks opioids off opioid receptors and binds to receptors for a short time.
- This blocks the opioids' effects, quickly restoring breathing.



What is naloxone (Narcan)?

- Intranasal
- Wears off in 30-90 minutes
- No significant side effects
- No potential for misuse or getting high
- Safe for children, pregnant women, and pets
- Only effective in reversing opioid overdoses
- No effect on someone who hasn't taken opioids







NARCAN® Nasal Spray

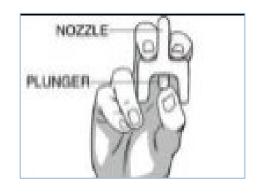


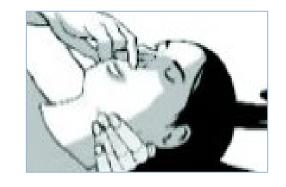


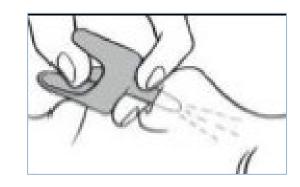












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Remove NARCAN® nasal spray from box. **Peel** back tab with circle to. open

Place NARCAN® nasal spray with your thumb on the bottom of the plunger and your first and middle fingers on either side of the nozzle.

Tilt person's head back and support person under neck.

Gently insert tip of nozzle into a nostril until your fingers on either side of the nozzle are against the bottom of the nose. Press plunger firmly to administer.





Allow 2 to 3 minutes for the naloxone to work.
Continue resuscitation, as necessary.



If breathing is not restored after 2 or 3 minutes, give another dose of naloxone. Continue resuscitation, as necessary.



Stay with the person and provide care as directed until medical help arrives.

After receiving naloxone, a person may:

- Feel physically ill or vomit
- Feel withdrawal symptoms
 - unpleasant but not life-threatening
- Become agitated and upset
- Have a seizure (this is rare)
- Overdose again

The Recovery Position

Keep the Airway Clear



Stay with person. If you must leave them alone at any point, or if they are unconscious, put them in this position to keep airway clear and prevent choking.





Rescue Breathing

Open the airway

To effectively give rescue breaths, it's essential that the person's airway is open and clear. To open a person's airway, do the following:

- 1. Place your hand on their forehead.
- 2.Gently tilt their head back.
- 3.Use the fingers of your other hand to carefully lift their chin upward.



Give rescue breaths

Now that the airway is open, you can proceed to give rescue breaths. To do this:

- 1.Use the fingers of one hand to pinch the person's nostrils shut. This helps to prevent air from escaping through their nose.
- 2. Cover their mouth with yours, forming a seal so that air doesn't escape.
- 3. Give rescue breaths by gently breathing into their mouth. A rescue breath should last about 1 second. Aim to give a rescue breath every 5 to 6 seconds. This is about 10 to 12 breaths per minute.



Myth

I am at risk overdose on Fentanyl if I help someone.

Naloxone enables substance use.

You can get in trouble for using drugs if you call 911 when responding to an overdose.*

Fact

No documented fentanyl overdoses due to Narcan administration.

The only thing naloxone enables is breathing.

The Good Samaritan Law is designed to protect anyone acting in good faith.



Exposure?

- Overdose by contact has been a persistent myth about fentanyl
- Fentanyl is only dangerous when it enters the bloodstream by ingesting, snorting it, injecting.
- The American College of Medical Toxicology published a position statement finding that "it is very unlikely that small, unintentional skin exposures to tablets or powder would cause significant opioid toxicity



Feldman © 2022 Prehospital and Disaster Medicine Figure 1. Hand and Wrist Visibly Soiled with Fentanyl. Note: Larger liquid volumes appear more visible, learly full surface area was exposed. Arrow show brasion.





- No abuse potential for naloxone
- Multiple studies have looked at the impact of naloxone availability among prescription opioid and heroin users - no evidence for increased drug use
 - "5,000 Massachusetts opioid users given naloxone and found 'no clear evidence of increased heroin use'." (BMC Public Health, 2014)
 - Retrospective cohort study (2014) of nearly 5000 substance users found NO increase in opioid use after being provided access to naloxone (BMC Public Health)
- 2016 study in <u>Addiction</u> concluded, "There is no empirical evidence to support the concern that take-home naloxone programmes might encourage heroin use."

Colorado Fentanyl Legislation

 2012 the Good Samaritan Law was passed that provided legal immunity for individuals calling 911 in response to overdose

2022 New Colorado Fentanyl Bill

- Current law grants immunity for individuals who report an emergency drug overdose. The bill extends this exemption to individuals whose provision of fentanyl is a proximate cause for death
- If the DA prosecutes a person who sought emergency assistance for an overdose of drugs or alcohol, including fentanyl, the DA shall prepare a report detailing why the immunity provision DID NOT APPLY





RESOURCES and SLIDES