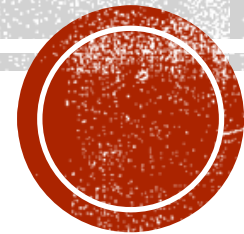


OPIATES AND OVERDOSES



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OBJECTIVES

- What is an overdose?
- What drugs do people OD on?
- What does an OD look like?
- What do I do for an OD?
- How do I protect myself and others?





WHAT IS AN OVERDOSE?

- Generally speaking, this means the consumption of substances beyond a medication's guidelines or beyond the body's tolerance to manage safely.





WHAT DRUGS DO PEOPLE OD ON?

- Fentanyl
- Heroin
- Amphetamines
- Methamphetamines
- MDMA
- Methadone



COUNTERFEIT PILLS

- Most common around here are M-30's
- Also called "blues"
- Nearly identical to actual prescription pills

COUNTERFEIT DRUGS

OXYCODONE



REAL

FAKE

ADDERALL



REAL

FAKE

SOURCE: DEA





LETHAL DOSE

FENTANYL

- Most common form of OD
- Usually cut into many different drugs
- Primary driver of OD deaths, accounting for 80% of all deaths involving an opioid
- Many ways to use it including:
 - Smoking
 - Injecting
 - Patches
 - Snorted



AMPHETAMINES / METHAMPHETAMINES

- Both stimulants or “uppers”
- Amphetamines are a schedule II drug and can be prescribed legally.
- Methamphetamines have no medical purpose



Amphetamines

- Can be prescribed to treat conditions like ADHD and narcolepsy.
- Originally produced in the 1930's as an OTC inhaler to treat nasal congestion.
- Effect is similar to cocaine but slower onset and longer duration.
- Chronic use can produce a psychosis similar to schizophrenia



Methamphetamines

- Usually contain harmful chemicals like
 - Battery acid
 - Drain cleaner
 - Paint thinner
- More obvious physical indicators of heavy use
- Users typically have a crash after use



METHADONE/SUBOXONE

- Both are used in Medication Assisted Treatment (MAT) for substance abuse
- Methadone
 - Made during World War II because of a shortage of Morphine
 - Methadone is an opioid and users can OD
- Suboxone/Buprenorphine- contains opioid and Narcan
 - Originally developed in the 1960's to be an alternate pain reliever to Morphine
 - Took another 30 years before it was approved to be use in MAT



COCAINE

- Derived from coca leaves
 - Most comes from Columbia across the Mexico border
- Can look like small white rocks
- Can be snorted or dissolved in water and injected
- Can also be mixed with other drugs like heroin



- Physical signs include:
 - Increased BP
 - Irregular heart rate
 - Dilated pupils
 - Insomnia
 - Loss of appetite
 - Nosebleeds



ECSTASY / MDMA

- MDMA acts as both a stimulant and psychedelic
- Made mostly in clandestine labs in Canada and some in the US
- Usually in colorful tablet form
- Can be taken whole, smoked, and crushed and snorted
- Physical symptoms:
 - Increased motor activity
 - Increased heart rate
 - Nausea
 - Blurred vision
 - Teeth clenching



WHAT DOES AN OD LOOK LIKE?

- Depends on the drug
 - Opioids- Fentanyl/Counterfeit pills
 - Shallow breathing/no breathing
 - Low heart rate
 - Nausea/vomiting
 - Confusion
 - Pinpoint pupils
 - Abdominal cramps/pain
 - Uppers- Meth/Cocaine
 - Jerky movements (tweaking)
 - Aggression
 - Hallucination
 - Rapid heart beat
 - Sweaty
 - Chest pain/Cardiac arrest



WHAT DO I DO FOR AN OD?

- Activate the 911 system
- Try to determine what was taken and how much
 - What is around them?
 - Prescription bottles
 - Pipes
 - Pieces of foil
 - Torches
 - Spoons
 - Straw/tube
- Treat if appropriate
 - Narcan- ***for opioids only***
 - May take multiple doses to get them breathing again.



NARCAN

- Narcan is a reversal agent for opioid overdoses only
- Given intranasally
- Works quickly
- Now is available for anyone to use
- When in doubt, give Narcan
- Reactions after Narcan is given:
 - Physical symptoms:
 - Headache
 - Rapid heart rate
 - Nausea
 - Sweating
 - Vomiting-Projectile
 - Tremors
 - Reactions:
 - Anger
 - Confusion
 - Mood Swings
 - Lack of concern for ED follow up/Medical Care



HOW DO I PROTECT MYSELF AND OTHERS?

- Be aware of your surroundings
- Don't touch anything
- Be aware of other people on scene and their reactions
- Be aware of the potential response from the person who OD'd



QUESTIONS?

