

# Cannabis Update and Evolving Drugs of Abuse

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# Cannabis: Where Are We Now



- Recreational Marijuana
  - Increased use by geriatrics, young adults, addicts (opioid withdrawal)
- CBD (Cannibidiol) - Hemp now industrial crop so extracts from non-marijuana plants are no longer Schedule 1 chemicals. Explosion of CBD products OTC based on claims from Epidiolex studies.

# CBD side effects/adverse RXns

CBD not benign substance and can cause:

- Anxiety.
- Changes in appetite.
- Changes in mood.
- Diarrhea.
- Dizziness.
- Drowsiness.
- Dry mouth.
- Nausea.



# Evolving Drugs of Abuse

- Kratom
- DMT (Avahuasca) – Schedule 1 drug (plants containing it are not controlled)
- Khat
- OTC's: DXM (dextromethorphan), Loperamide
- Salvia
- Cathinones (Bath Salts)
- The Home Chemist – the wild card of drugs

# KRATOM

- Street names: Thom, Ketum, Ithang, Herbal Speedball.
- DEA: not scheduled
- Hallucinations, anorexia, insomnia, sedation, euphoria, decreased pain.
- Withdrawal: muscle aches, hostility, aggression, jerky movements.



# DMT (AVAHUASCA)

- Street names: Dimitri, Aya, Hoasca
- DEA: DMT schedule 1, plants unrestricted.
- Strong hallucinations, ↑HR, BP, cardiac and respiratory arrest, dilated pupils.
- Addictive properties unknown, no known Rx for overdose



## KHAT (cot)

- Street names: African salad, Kat, Oat, Chat, Abyssinian Tea.
- DEA: Cathinone Schedule 1. Khat plant not controlled.
- Euphoria, paranoia, HA, insomnia, fine tremors, short term memory loss.
- Withdrawal: Depression, nightmares, low energy, low BP



# DXM (DEXTROMETHORPHAN)

- Street names: Robo, Triple C
- DEA: not scheduled
- Euphoria, increased HR, BP
- Overdose: vertigo, nausea, seizures, breathing difficulty.





# LOPERAMIDE

- Street names: none
- DEA: not scheduled
- High doses causes euphoria, lessens cravings and withdrawal symptoms of opioids and other drugs.
- Fainting, stomach pain, LOC, pupil dilation, kidney failure, urine retention, severe anxiety, vomiting and diarrhea.



# SALVIA

- Street names: (*Salvia divinorum*) Magic mint, Sally-D, Maria Pastora, Diviner's Sage
- DEA: not scheduled- listed as drug of concern by DEA, illegal in 29 states.
- Intense hallucinations, sweating, mood swings.
- Unknown addictive potential or overdose.



# CATHINONES (BATH SALTS)

- Street names: Bloom, Cloud 9, Ivory Wave, Flakka, Lunar Wave, Scarface, Vanilla Sky, White lightning. Sold as jewelry cleaner, plant fertilizer – labeled “not for human consumption”
- DEA: Schedule 1
- Euphoria, Hallucinations, agitation, anxiety, paranoia, increased HR and BP, vomiting, reduced motor control, sweating.



# HOME CHEMIST

- Street names: Breaking Bad, pharmacist, Dr. Feelgood
- DEA: Schedule 1 to not scheduled
- Combining and mixing various chemicals with some known, low grade, street drugs, growing plants that are not regulated and extracting compounds, etc.

