

**2024 HEARTLAND JUVENILE
SERVICES ASSOCIATION
ANNUAL CONFERENCE**

Wes Tjaden

WHO AM I?

- 20 years at GIPD.
- 2 years Safety Officer at Grand Island Public Schools.
- Presentation experience
- Comic book nerd. 😊



Objectives:

1. Discuss current drugs being used by juveniles and why they are using them.
1. Discuss forms of drug paraphernalia used to ingest the drugs.
1. Identify future drug trends for both youth and adults.
1. Provide training to identify drug impaired persons and explain why, based on your observations, they are under the influence.
5. Answer questions about drugs and drug use and current trends.

WHY DO WE CARE?

Binge Drinking: An Unwavering Issue

While alcohol use showed a gradual decrease among younger adults, binge drinking among adults aged 35 to 50 reached its highest levels in 2022, at 29%. This spike in binge drinking highlights a critical public health concern that continues to affect middle-aged adults.

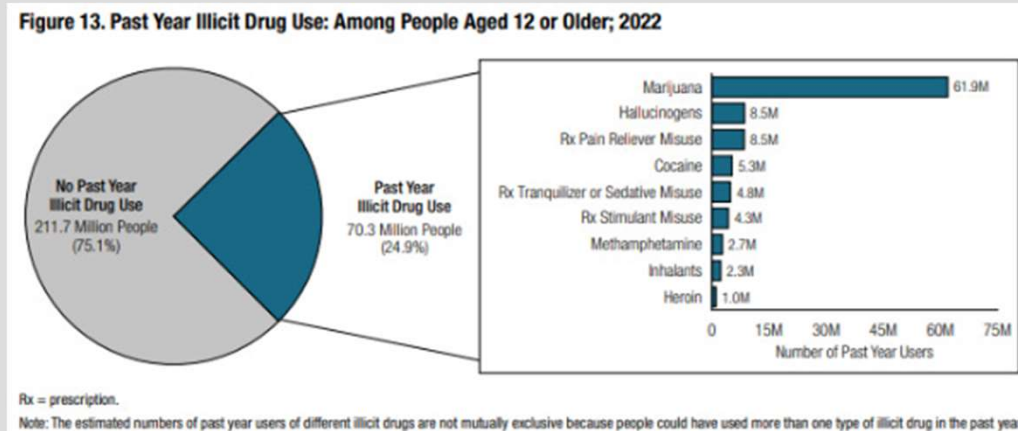
ALCOHOL



Still #1 abused “drug” with 58.6% Self Reported use in Hall County alone.

ILLCIT DRUG USE PATTERNS

- Marijuana emerged as the most commonly used illicit drug, with 22.0% of people aged 12 or older using it in the past year.
- The overall illicit drug use rate stood at 24.9%, translating to about 70.3 million people.



Vaping: A Growing Concern

The study highlighted that 21% of adults aged 19 to 30 reported past-year marijuana vaping in 2022, a significant increase from previous years. Nicotine vaping also reached an historic high of 24% within this age group. This emergence of vaping as a mainstream practice emphasizes the dynamic and multifaceted nature of **Substance Use Trends in Adults** and calls for rigorous public health responses.

Hallucinogen Use: A Rising Phenomenon

Among adults aged 19 to 30, 8% reported past-year use of hallucinogens in 2022, a noteworthy rise from previous years. Adults aged 35 to 50 also reported a historically high prevalence of hallucinogen use, at 4%. This trend aligns with broader societal shifts and adds complexity to the landscape of substance use.

SUBSTANCE USE DISORDER

- **Substance Use Disorders (SUDs)**
- 17.3% of the population aged 12 or older had a substance use disorder in the past year (this number is just astounding).
- Alcohol Use Disorders (AUDs) and Drug Use Disorders (DUDs) were prevalent, affecting 29.5 million and 27.2 million people, respectively.

What Is Hallucinogen Persisting Perception Disorder (Flashbacks)?

Hallucinogen Persisting Perception Disorder (HPPD) is a rare, and often misunderstood, condition primarily associated with the previous use of hallucinogenic substances. It is characterized by a continual presence of sensory disturbances, most commonly visual, that are reminiscent of those generated by the intake of hallucinogens.

Where does it all come from??



Fentanyl-How does it get here?

- **Record Seizures Indicate Persistent Trafficking**
- The United States Customs and Border Protection (CBP) has reported a significant increase in fentanyl seizures along the US-Mexico border. In the 2023 fiscal year, agents confiscated 12,119 kilograms of fentanyl, marking an approximate 90% rise from the previous year. This uptick in seizures occurs despite reports of production halts by major trafficking groups like the Chapitos faction of the Sinaloa Cartel.

The China Connection: A Flood of **Unauthorized Vapes**

Perhaps one of the most alarming facets of this trend is the significant influx of unauthorized vapes from China. According to the Associated Press, the number of different vape devices available in the U.S. has tripled to nearly 9,000 since 2020. A large proportion of these devices are manufactured in China, effectively bypassing FDA regulations. These unauthorized devices are not only flooding the market but are also increasingly finding their way into the hands of high-school and middle-school students. The lack of regulation makes these devices doubly dangerous, as there is no way to ensure the safety of the substances used in them.

**WHAT DO YOU MEAN BY
THE TERM *DRUGS*?**

7 CATEGORIES OF DRUGS

- **CNS Depressants**
- **CNS Stimulants**
- **Hallucinogens**
- **Dissociative Anesthetics**
- **Narcotics**
- **Inhalants**
- **Cannabis**

CNS DEPRESSANTS



Slow and slurred speech



Possible odor of alcohol



Staggering, stumbling, or appearing drunk



Dilated pupils



Lack of coordination



Gait ataxia (walking clumsily)



Drowsiness

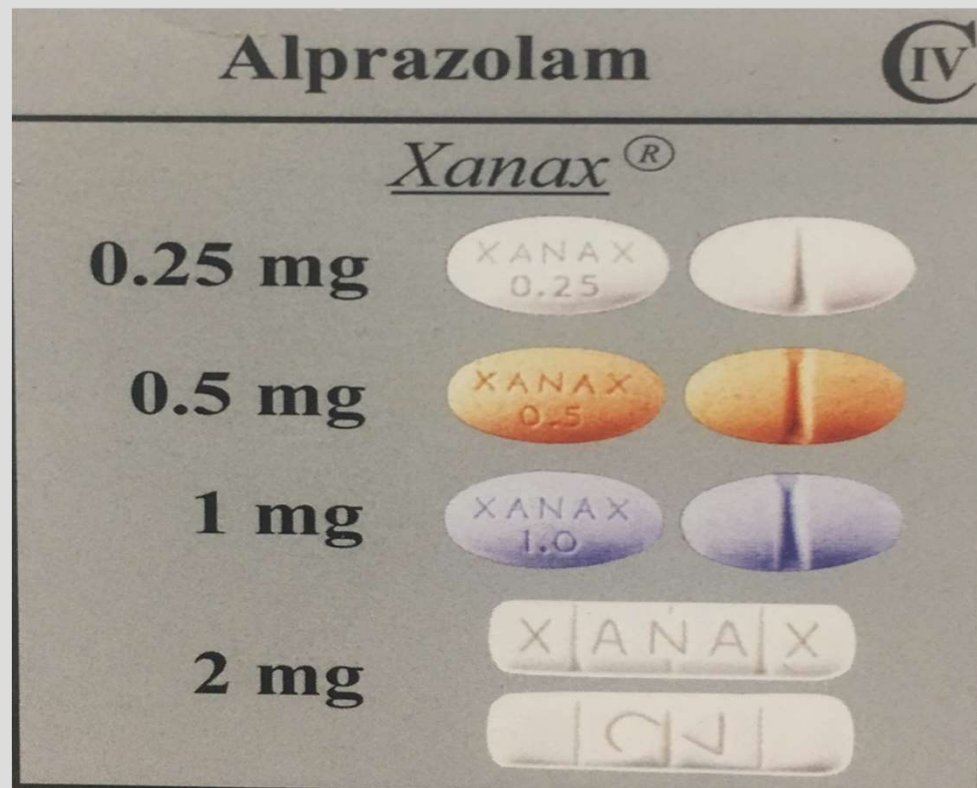


Droopy lids















Bloodshot, watery eyes

CNS DEPRESSANTS-Benzodiazapines



CNS STIMULANTS

-  **Exaggerated reflexes, irritable, argumentative, or nervous**
-  **Extended periods without sleeping or eating**
-  **Dilated Pupils**
-  **Aggressiveness**
-  **Dirty and unkempt appearance**
-  **Extreme paranoia**
-  **Bruxism-The grinding of the teeth**
-  **Loss of appetite**
-  **Insomnia**
-  **Irritability**
-  **Increased Alertness**
-  **Excited, euphoric, and talkative**

Stimulants

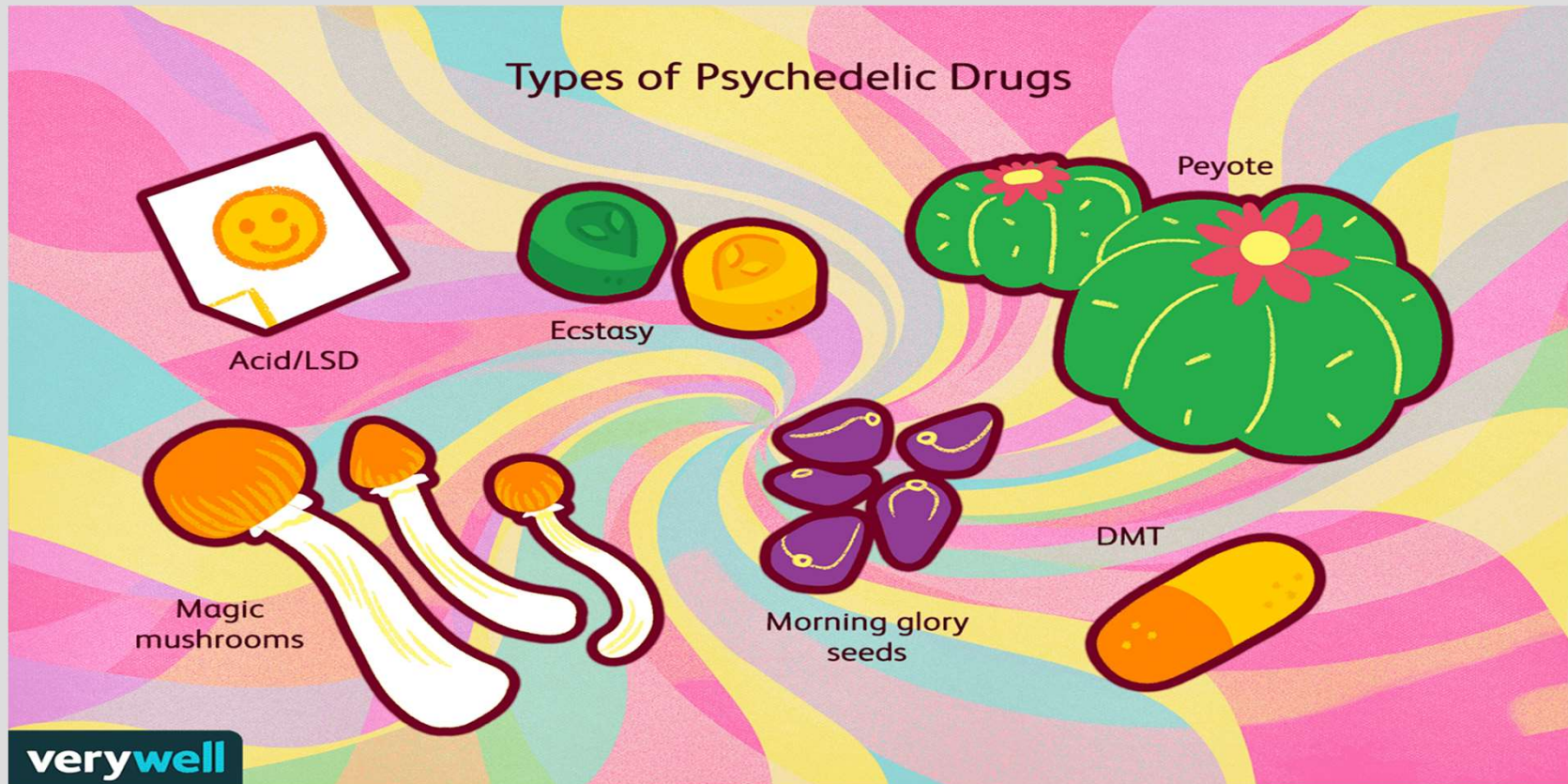


HALLUCINOGENS











- 💀 **Dazed Appearance**
- 💀 **Body Tremors**
- 💀 **Perspiration**
- 💀 **Uncoordinated Movements**
- 💀 **Rigid Muscle Tone**
- 💀 **Difficulty With Speech**
- 💀 **Statements Suggesting Hallucinations**
- 💀 **Distorted Sensory Perceptions**
- 💀 **Dilated Pupils**



Hallucinogens



DISSOCIATIVE ANESTHETICS

-  **Gait Ataxia**
-  **Slow, slurred speech**
-  **Disorientation**
-  **Loss of memory**
-  **Agitation, excitement**
-  **Blank stare**
-  **Passivity, but can often times abruptly turn violent**
-  **Auditory hallucinations**
-  **A feeling of extreme heat**
-  **Increased pain threshold**

Dissociative Anesthetics



NARCOTIC ANALGESICS

 **Slowed reflexes**

 **Slow, low and raspy voice**

 **Sluggish, “rubber-like”
movements**

 **Slowed breathing**

 **Cool skin**

 **Flaccid muscle tone**

 **“On the Nod”**

 **Visible track marks**

 **Droopy eyelids**

 **Facial itching**

 **Dry mouth**

 **Euphoria**

 **Loss of Appetite**

NARCOTIC ANALGESICS



Fentanyl Facts

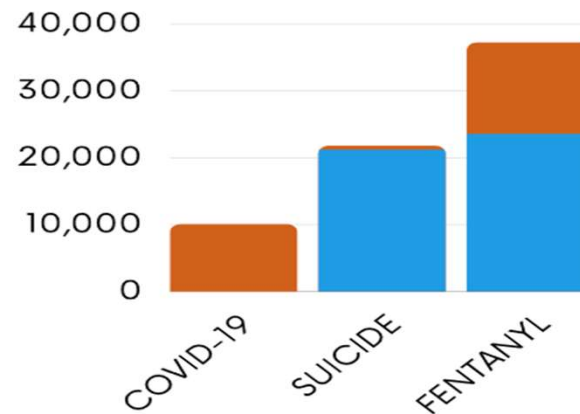
FENTANYL POISONING POSES A SERIOUS THREAT TO THE AMERICAN PUBLIC, KILLING MORE PEOPLE LAST YEAR THAN SUICIDE, CAR ACCIDENTS, OR GUN VIOLENCE.

POINT 1

Fentanyl is now the #1 cause of death for Americans age 18 to 45.

1. *FENTANYL POISONING*
2. SUICIDE
3. COVID-19
4. CAR ACCIDENTS

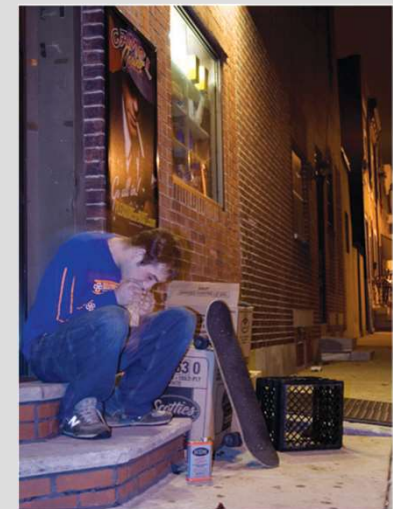
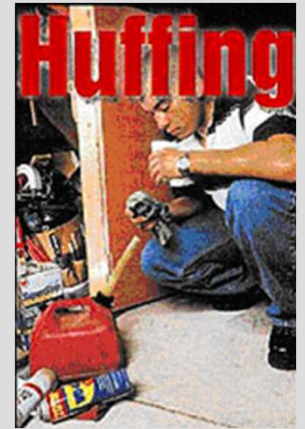
Leading Causes of Death: Americans Aged 18 to 45



Blue: deaths in 2019
Orange: deaths in 2020

Inhalants

- ☠️ **Odor of inhaled substance**
- ☠️ **Traces of substance around face, nose, mouth, and hands**
- ☠️ **Bloodshot, watery eyes**
- ☠️ **Confused, disoriented appearance**
- ☠️ **Flushed face, possibly sweating**
- ☠️ **Slow, thick, slurred speech**
- ☠️ **Nausea and excessive salivation**
- ☠️ **Antagonistic behaviors, argumentative**



Cannabis

Diminished inhibitions.

Impaired perception of time and distance.

Disorientation.

Body tremors.

Eyelid tremors.

Marked reddening of the conjunctiva (reddening of the eye).

Odor or burnt marijuana on breath or clothing.

Smacking Lips “Cotton Mouth”.

Dried saliva in corner of mouth.

Green coating down center of tongue, back of throat.

Possible Marijuana debris in suspect’s mouth.

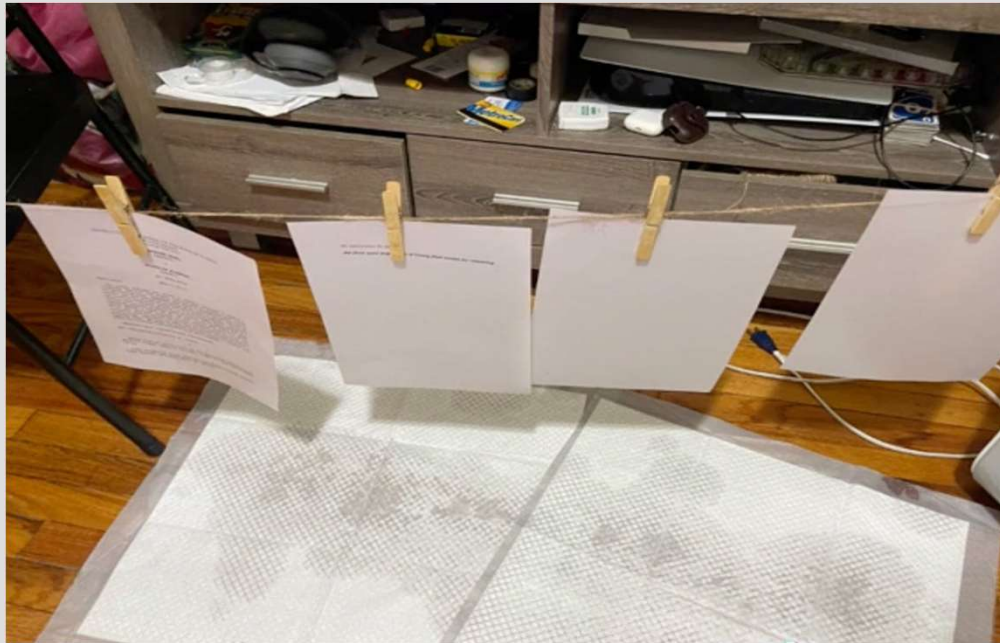


CANNABIS



NEW DRUG TRENDS

K2 JAIL PAPER



HHC-HEXAHYDROCANNABINOL



Methamphetamine Vape Pens



What is Delta 10 THC?

Comparison to Delta-9 THC and other cannabinoids

Delta-10 THC is one of the many cannabinoids found in the cannabis plant. While it shares a similar chemical structure with the more well-known Delta-9 THC, it has its own distinct properties. Both compounds interact with the body's endocannabinoid system, primarily binding to the CB1 receptors in the brain. However, Delta-10 THC is thought to produce milder psychoactive effects compared to Delta-9 THC. This distinction makes it potentially attractive to users seeking a less intense experience. Like other cannabinoids, such as CBD and CBG, Delta-10 THC may also have therapeutic benefits, but further research is needed to fully understand its potential applications.

XYLAZINE

- Xylazine, commonly known as "tranq," is a non-opioid veterinary tranquilizer not approved for human use. It has similar effects to clonidine, causing marked sedation, muscle relaxation, and dangerous reductions in heart rate and blood pressure. Its repeated use can lead to withdrawal symptoms and severe skin ulcers. The drug has exacerbated the U.S. overdose epidemic, with the DEA reporting a rise in xylazine identifications and associated deaths between 2020 and 2021. It is often added to illicit fentanyl to prolong and enhance its euphoric effects.

FENTANYL

- Liquid Fentanyl is being produced and distributed in California.
- 12–15% of powder methamphetamine and powder cocaine samples sent to a drug checking service also contained fentanyl, and prevalence varied geographically according to “Prevalence of Fentanyl in Methamphetamine and cocaine samples collected by community –based drug checking services”.

“KITTY FLIPPING”

- **Kitty flipping** is a term used to describe the combination of **ketamine** and **MDMA** for recreational purposes. Ketamine is a dissociative drug, while MDMA is known for its euphoric effects. When combined, they can amplify the sensations experienced during a night out in the club scene.

JEDI FLIPPING

Jedi Flipping is a combination of three drugs: LSD (lysergic acid diethylamide), psilocybin mushrooms, and MDMA (3,4-methylenedioxyamphetamine). This combination is said to produce a powerful and intense psychedelic experience, with users reporting enhanced sensory perception, profound insights, and feelings of unity with the universe.



TESTS FOR ADDITIONAL OBSERVATIONS

- Lack of Convergence
 - Feet together, arms at side
 - Two circles around head with stimulus, then bring in toward bridge of nose.
 - Watch to see if eyes converge or not.
- Practical with partner.
- Modified Romberg Balance
 - Stand heels and toes together
 - Tip head back slightly and close eyes when told.
 - Have subject “estimate” passage of 30 seconds.
 - Check clock or watch for time.
- Practical with partner

WHAT DO I DO WITH THIS INFORMATION??

- Notate information you see.
- You are not being asked to make a determination of intoxication! You are only being asked to make observations to:
 - Inform the school administrator of safety/health concerns.
 - Assist the law enforcement officer if they are called for criminal prosecution.
 - Inform the Parent/Guardian so they can determine if medical attention is needed for their student.
 - Possibly assist HHS if this could be related to child neglect/abuse (accidental ingestion).

Narcan Saves Lives



Overdose Signs

- **Shallow Breathing and/or slowed heartbeat
- **Clammy Skin, pale face
- **Their fingernails or lips have a purple or blue color
- **Their body goes limp, unable to stand or walk
- **They cannot be awakened or are unable to speak
- **Coma
- **Convulsions, they start vomiting or making gurgling noises



Questions?

To request a copy of this presentation please email me at:

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