

# Trends in Pennsylvania Substance Use

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# **Objectives**

Discuss epidemiology of substance use in PA

 Review treatment of acute intoxication of multiple substances being used in PA

Summarize access to and transitions of care in PA

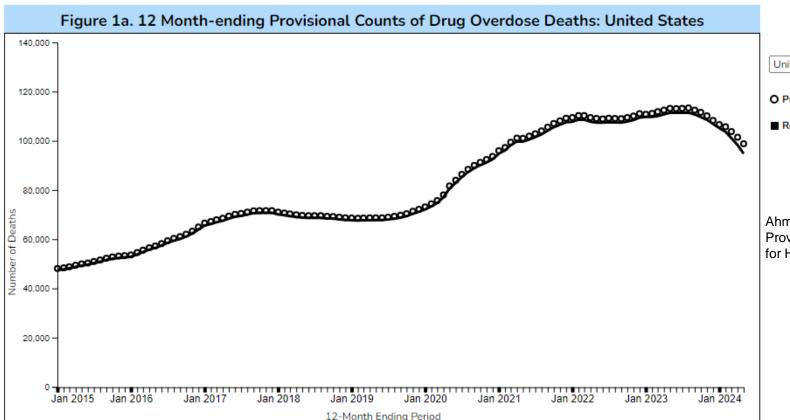


### **National Overdose Deaths**

- 12-month period ending 5/2024: **98,820** (↓ ~12.7%)
- ~70% associated with synthetic opioids (excluding methadone)

12 Month-ending Provisional Number and Percent Change of Drug Overdose Deaths

Based on data available for analysis on: October 6, 2024





Ahmad FB, Cisewski JA, Rossen LM, Sutton P. Provisional drug overdose death counts. National Center for Health Statistics. 2024. Accessed 10/16/2024

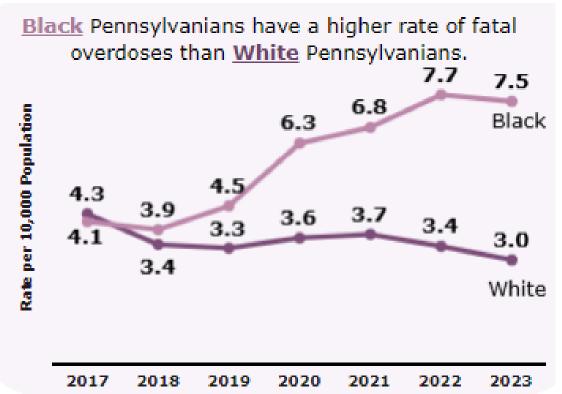


### **PA Overdose Deaths**

#### 4,721 overdose deaths in PA

# Overdose Death Rate >2x For Black Pennsylvanians



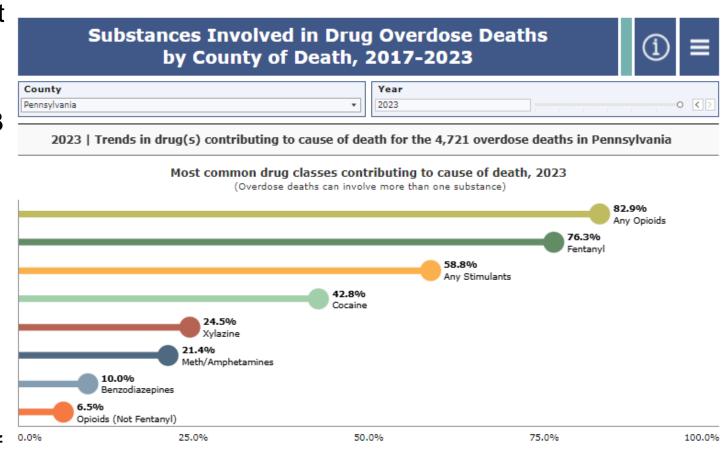


<u>Pennsylvania ODSMP – Drug Overdose Surveillance Interactive Data Report | Tableau Public</u>. Accessed 10/16/2024



### **Substances Involved in PA Overdose Deaths**

- Fentanyl remains the single most prominent drug associated with OD deaths
- Growing presence of stimulants, 2017-2023
  - Double rate of isolated stimulants
    - ~5.5%-~12.4%
  - 50% increase in stimulants + opioids
    - ~31.3%-~46.4%
- Xylazine identified in ~24.5% of PA OD deaths in 2023 (incomplete data)
- Non-fentanyl opioids present in only ~6% of OD deaths in 2023



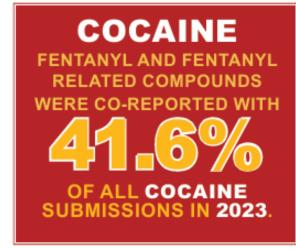


# Fentanyl is EVERYWHERE!

- Fentanyl is increasingly present in combination with non-opioids
- Highlights importance of patient education, fentanyl test strips, and naloxone distribution regardless of drug of choice

DEA-NIIP-029-24. STREET - May 2024 - Fentanyl Cocktails (Co-Reported Drugs) Found in All Top Street Drugs

NFLIS-Drug Co-Reported Drugs (2023* Top Ten)				
Rank	Methamphetamine	Cocaine	Heroin	Xylazine
1	Fentanyl	Fentanyl	Fentanyl	Fentanyl
2	Dimethylsulfone	Methamphetamine	Xylazine	4-ANPP
3	Cocaine	Xylazine	Fluorofentanyl	Heroin
4	Caffeine	Phenacetin	4-ANPP	Fluorofentanyl
5	Xylazine	Heroin	Cocaine	Cocaine
6	Heroin	Fluorofentanyl	Acetyl Fentanyl	Caffeine
7	Acetaminophen	Levamisole	Para-Fluorofentanyl	Para-Fluorofentanyl
8	Fluorofentanyl	Para-Fluorofentanyl	Methamphetamine	Methamphetamine
9	Dipentylone	Acetyl Fentanyl	Tramadol	Tramadol
10	MDMA	Caffeine	Caffeine	Acetyl Fentanyl
Total Co-Reported Drugs	160	135	119	116



Source: DEA NFLIS-Drug, March 14, 2024.

#### METHAMPHETAMINE

RELATED COMPOUNDS
WERE CO-REPORTED WITH

17.3%

F ALL **METHAMPHETAMINE** SUBMISSIONS IN **2023**.

Source: DEA NFLIS-Drug, March 14, 2024.



#### Number of Pills Containing Fentanyl Seized by Law Enforcement in the United States, 2017 – 2023

#### 120,000,000 115,562,603 110,000,000 100,000,000 Number of pills containing fentanyl seized by law enforcement 90,000,000 80,000,000 70,000,000 60,000,000 50,000,000 44,461,443 40,000,000 11,450,142 30,000,000 4,149,037 1,572,731 20,000,000 290,304 10,000,000 49,657 2017 2018 2019 2020 2021 2022 2023 Year

Estimates based on data reported by the Office of National Drug Control Policy's High Intensity Drug Trafficking Areas program

Reference: JJ Palamar, et al. International Journal of Drug Policy. DOI: 10.1016/j.drugpo.2024.104417 (2024)

### **Pressed Pills**

#### Legitimate Pharmaceuticals vs. Fake Fentanyl Pills





Source: DEA



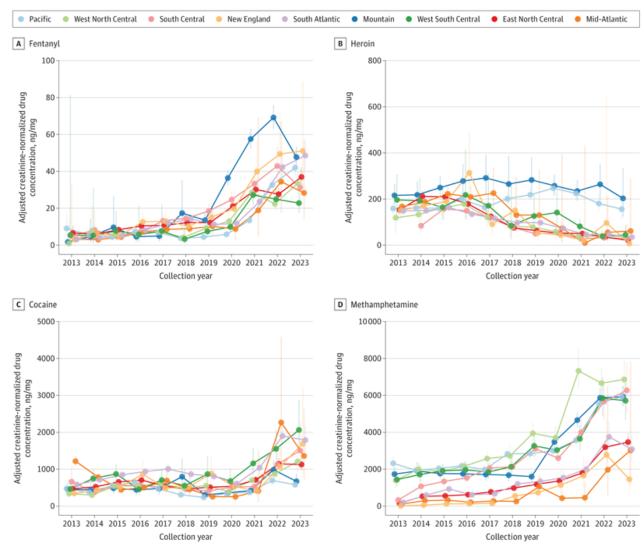


### **Substance Use Concentration and Tolerance**

 Concentrations of fentanyl, cocaine, and methamphetamine in UDTs of people seeking treatment have risen sharply since 2019

#### Relevance:

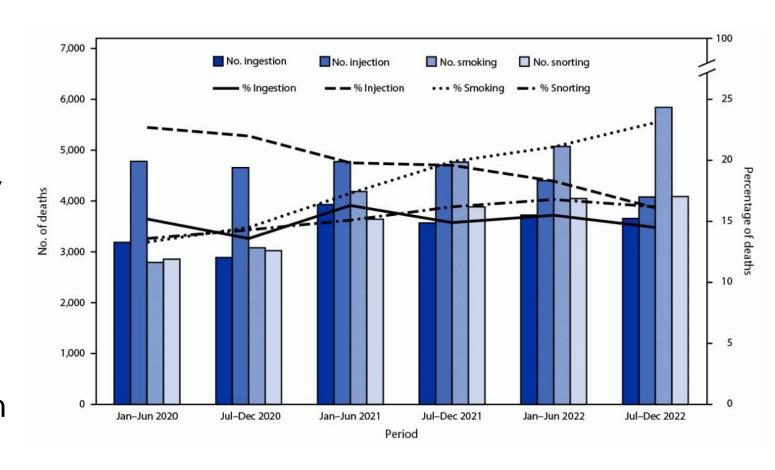
- Increased volume and/or concentrations of illicit drug products
- Prolonged/delayed effects and withdrawal
- Challenges with buprenorphine induction
- Higher dose MOUD
- Cardiovascular risk with stimulants
- Regional variability
- Near elimination of heroin in most regions
- Elevated tolerance...protective?



Huhn AS, Whitley P, Bolin BL, Dunn KE. Fentanyl, Heroin, Methamphetamine, and Cocaine Analyte Concentrations in Urine Drug Testing Specimens. JAMA Netw Open. 2024 Oct 1;7(10):e2441063. doi: 10.1001/jamanetworkopen.2024.41063. PMID: 39446323.

# **Changes in Route of Administration**

- Decline in injection
- Significant rise in snorting and smoking
  - Likely related to increased potency
- Steady rates of ingestion from 2020-2022
- Smoking became most common route associated with overdose death, replacing injection



<sup>1.</sup> Karandinos G, Unick J, Ondocsin J, Holm N, Mars S, Montero F, Rosenblum D, Ciccarone D. Decrease in injection and rise in smoking and snorting of heroin and synthetic opioids, 2000-2021. Drug Alcohol Depend. 2024 Oct 1;263:111419. doi: 10.1016/j.drugalcdep.2024.111419. Epub 2024 Aug 15. PMID: 39216201.





### "-Nitazenes"

- 2-benzylbenzimidazole analogs or "-nitazenes" infrequently identified in PA and elsewhere
- Up to ~10x as potent as fentanyl (but ~1/10<sup>th</sup> as potent as carfentanil)
- Total/effective dose of naloxone similar to that required for fentanyl, but repeat dosing has been reported in tiny patient cohort due to prolonged effects<sup>1</sup>
- Potential for prolonged sedation
- Drug Enforcement Administration placed: 1) metonitazene on 9/18/2023; 2) isotonitazene and etonitazene on 10/25/2023; 3) butonitazene, flunitazene, and metodesnitazene in schedule I of the Controlled Substances Act as of 10/25/2024



Philadelphia Department of Public Health

#### Division of Substance Use Prevention and Harm Reduction

CHERYL BETTIGOLE, MD, MPI

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#### **Health Alert**

Nitazene analogs, a novel class of synthetic opioids more potent than fentanyl, detected in Philadelphia

December 21, 2022

#### SUMMARY POINTS

- Nitazene analogs are synthetic opioids that are up to 40 times more potent than fentanyl
- First identified in the United States in 2019
- First identified in Philadelphia as early as October 2022
- Individuals who experience an opioid overdose after using nitazene analogs will respond to naloxone (e.g., Narcan®).

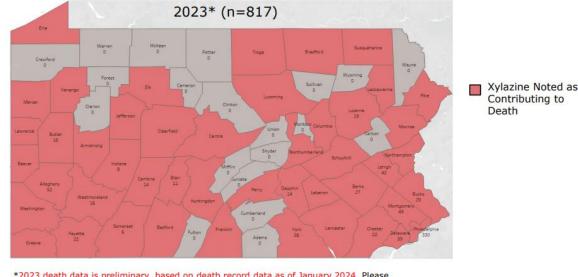
 Amaducci A, Aldy K, Campleman SL, Li S, Meyn A, Abston S, Culbreth RE, Krotulski A, Logan B, Wax P, Brent J, Manini AF; Toxicology Investigators Consortium Fentalog Study Group. Naloxone Use in Novel Potent Opioid and Fentanyl Overdoses in Emergency Department Patients. JAMA Netw Open. 2023 Aug 1;6(8):e2331264. doi: 10.1001/jamanetworkopen.2023.31264. PMID: 37642962; PMCID: PMC10466160.



# **Xylazine**

- Alpha-2 agonist similar to prescription medications clonidine, guanfacine, tizanidine and the anesthetic, dexmedetomidine (enantiomer of medetomidine)
- Medetomidine has been detected in the drug supply in both Philadelphia and Pittsburgh

Year	Number of Overdose Deaths where Xylazine Contributed to Death	Number of Counties where Xylazine Contributed to Death
2017	0	0
2018	51	3
2019	259	17
2020	377	17
2021	575	30
2022*	761	40
2023*	817	47



\*2023 death data is preliminary, based on death record data as of January 2024. Please note that death records for overdose deaths are often delayed by 3-6 months and counts may change. Counts do not include suicides or homicides where someone intended to harm another person by poisoning.

As of January 2024, ~7% of 2023 overdose deaths are missing drug specificity. Previous years are missing ≤5%.

Please note that not all counties participate in our Enhanced Drug Overdose Death Surveillance efforts. A county that is indicated in grey does not necessarily mean that xylazine has not been detected. Counts between 1 and 5 are suppressed.



\*2022/2023 death data is preliminary, based on death record data as of January 2024. Please note that death records for overdose deaths are often delayed by 3-6 months and counts may change. Counts do not include suicides or homicides where someone intended to harm another person by poisoning. †As of January 2024, ~2% of 2022 and ~7% of 2023 overdose deaths are missing drug specificity. Previous years are missing <5%



### **Xylazine Acute Toxicity**

- Synergistic effect to enhance and prolong opioid effect (aka "legs")
- Acute toxicity:
  - sedation, miosis, bradycardia, and hypotension (potentially initial hypertension)
- Not reversed with naloxone
  - Supportive treatment, rescue breathing
  - STILL GIVE NALOXONE for reversal of fentanyl
- Does it increase risk of overdose death?
  - 90/321 (28%) of ED visits for opioid overdose
  - Fewer episodes of coma and cardiac arrest in patients exposed to fentanyl with xylazine than without

Love JS, Levine M, Aldy K, Brent J, Krotulski AJ, Logan BK, Vargas-Torres C, Walton SE, Amaducci A, Calello D, Hendrickson R, Hughes A, Kurt A, Judge B, Pizon A, Schwarz E, Shulman J, Wiegan T, Wax P, Manini AF. Opioid overdoses involving xylazine in emergency department patients: a multicenter study. Clin Toxicol (Phila). 2023 Mar;61(3):173-180. doi: 10.1080/15563650.2022.2159427. PMID: 37014353; PMCID: PMC10074294.

#### **Wound Care**

- Traditional wound care can be effective
  - Limited by social circumstances and ongoing drug use
- Soap and water cleaning
  - NO hydrogen peroxide to wounds (common misconception)
- Eschar: MediHoney or Santyl
  - Ensure regular dressing changes
- Bacitracin or mupirocin non-stick dressings and coverage (gauze, ABD pad, gauze wrap, and/or ACE Wrap)
- Close wound care follow up and engagement
- Surgical debridement may become necessary
- 1. Wound Care | SURGE Substance Use Response Guidance and Education (healthfederation.org)
- 2. Zagorski CM, Hosey RA, Moraff C, Ferguson A, Figgatt M, Aronowitz S, Stahl NE, Hill LG, McElligott Z, Dasgupta N. Reducing the harms of xylazine: clinical approaches, research deficits, and public health context. Harm Reduct J. 2023 Sep 30;20(1):141. doi: 10.1186/s12954-023-00879-7. Erratum in: Harm Reduct J. 2023 Nov 27;20(1):170. PMID: 37777769; PMCID: PMC10544173.

#### Self Wound Care Instructions

- ✓ Wash the wound and surrounding area with soap and water or just water or saline
- Around the wound clean with Alcohol or BZK wipe
- ☑ Moisturize around the outer edges of the wound with A&D
- ☑ Use triple antibiotic ointment or medihoney over the open wound or on very thick scabbing
- □ Cover with a non-stick pad
- ☑ Put an ABD pad over the non-stick
- ☑ Wrap with roll gauze or cover with other gauze if roll gauze isn't needed
- ☑ If wanted/needed cover with an ace wrap or tube/gauze dressing

Do not leave dressings on for more than 48 hours. If your wound worsens, you start to feel sick for no reason, seek medical attention

Harm domain	Mechanism	Clinical implications	Harm reduction strategies
Skin wounds	Unknown	Bacterial superinfection possible Ensure adequate longitudinal wound care Can cause shame and reduced care-seeking Individuals may be deemed ineligible for in-patient substance use disorder care due to untreated wounds	Coach to avoid injecting into or near wounds Facilitate wound care access Teach individual and friends/family how to care for wounds Provide wound care supplies Teach on signs of worsening condition

## **Xylazine Withdrawal Management**

- Non-critical care
  - TREAT ASSOCIATED OUD (methadone, buprenorphine)
  - Alpha-2 agonists
    - Tizanidine, clonidine
    - Can treat with standing tizanidine and PRN clonidine with gradual tizanidine taper
  - Antipsychotics, e.g. olanzapine or droperidol, for agitation
  - Hydroxyzine or benzodiazepines for severe anxiety
- Critical care adjuncts
  - Dexmedetomidine
  - Ketamine

<sup>1.</sup> Ehrman-Dupre R, Kaigh C, Salzman M, Haroz R, Peterson LK, Schmidt R. Management of Xylazine Withdrawal in a Hospitalized Patient: A Case Report. J Addict Med. 2022 Sep-Oct 01;16(5):595-598. doi: 10.1097/ADM.00000000000055. Epub 2022 Jan 11. PMID: 35020700.

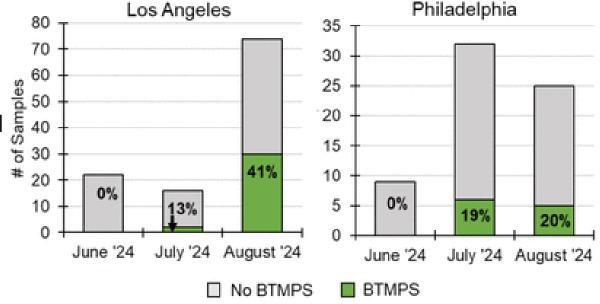
<sup>2.</sup> London K, Li Y, Kahoud JL, Cho D, Mulholland J, Roque S, Stugart L, Gillingham J, Borne E, Slovis B. Tranq Dope: Characterization of an ED cohort treated with a novel opioid withdrawal protocol in the era of fentanyl/xylazine. Am J Emerg Med. 2024 Nov;85:130-139. doi: 10.1016/j.ajem.2024.08.036. Epub 2024 Sep 4. Erratum in: Am J Emerg Med. 2024 Oct 8:S0735-6757(24)00523-0. doi: 10.1016/j.ajem.2024.10.006. PMID: 39260041.

### **BTMPS Adulterant**

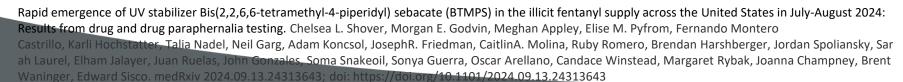
 Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate, or "BTMPS"

Light stabilizer used in plastics manufacturing, as an adhesive, and as a sealant

- Recently identified in PA drug supply
  - In some samples concentration of BTMPS>fentanyl
- Limited human data on toxicity
- Rat studies suggest calcium channel blocker activity
  - Decreased heart rate and blood pressure



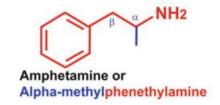






# Stimulants and Hallucinogens

- Phenylethylamine backbone
- Chemical substitutions and additions promote variable effects
  - Serotonergic
  - Adrenergic
  - Dopaminergic
- Drug classes
  - Amphetamines and synthetic analogues
    - Rx stimulants, methamphetamine, 2C drugs, MDMA, MEA
  - Cocaine
  - Cathinones
    - "Bath Salts", "gravel", "flakka"
    - Eutylone most commonly identified by DEA



#### β-keto amphetamines

#### Pyrrolidinophenones

### Dimethoxyphenethylamines ("2C") and their N-benzylmethoxy derivatives ("NBOMe")

#### Cocaine

Cocaine (Benzoylmethylecgonine)

Tamama K, Lynch MJ. Newly Emerging Drugs of Abuse. Handb Exp Pharmacol. 2020;258:463-502. doi: 10.1007/164 2019 260. PMID: 31595417.

# **Treating Stimulant Intoxication**

- There is no single antidote or treatment that is effective for stimulant toxicity
  - There is no "naloxone equivalent"
- Treatment prioritizes minimizing harm associated with acute toxicity
  - Sedation, control involuntary movements, prevent seizures
- Drug classes used in treatment include:
  - Benzodiazepines
  - Antipsychotics, e.g. haloperidol and olanzapine
  - Ketamine



# **Additional Treatment of Acute Toxicity**

- Optimize breathing and oxygen levels
  - Supplemental oxygen
  - Ventilator may be needed to maintain adequate sedation, e.g. propofol
- IV fluids
  - Many patients are dehydrated
  - Rhabdomyolysis
- Manage secondary organ injury as needed
  - Brain, heart, kidney, liver, and/or orthopedic injuries
- No approved and proven medication therapy for Stimulant Use Disorder
  - Rx stimulants +/- naltrexone have demonstrated limited efficacy



### **Delta-9 and Delta-8 THC Structures**



# THC (Delta 8, 9, and 10)-Acute Adverse Effects

- Vasodilation/Hypotension
- Tachycardia
- Syncope
- Impaired judgment
- Paranoia, dysphoria
- Impaired motor coordination
- Impaired short-term memory
- Bronchitis/Bronchospasm (smoking)



# Delta-8 THC Gummies Sold in CBD Shops









# Murky Legal Status of Delta-8 THC



# Westmoreland DA's office, local police raid three vape stores







Undercover agents executed a search warrant on three vape stores in Westmoreland County after multiple students from local school districts were found with marijuana (THC) vape cartridges, the Westmoreland District Attorney's office announced Thursday.



#### **Drug Paraphernalia**

DEA TOX received one exhibit (Figure 3) and confirmed two detections<sup>§</sup> (Table 6) in this product in the third quarter of 2022.

Table 6. Drug Product exhibit #1- Third Quarter 2022

Drug Class	Drug	State Found	Confirmed Levels: mg of drug/gram of drug product (%)	Actual Amount within Drug Product
Cannabinoid	Delta-8 THC <sup>1</sup>	Kentucky	600 (60.0)	155 mg
Cannabinoid	Delta-10 THC <sup>1</sup>		212 (21.2)	55 mg

<sup>&</sup>lt;sup>1</sup> – Substance included in NPS category for Figures 1A, 1B, 2A, and 2B

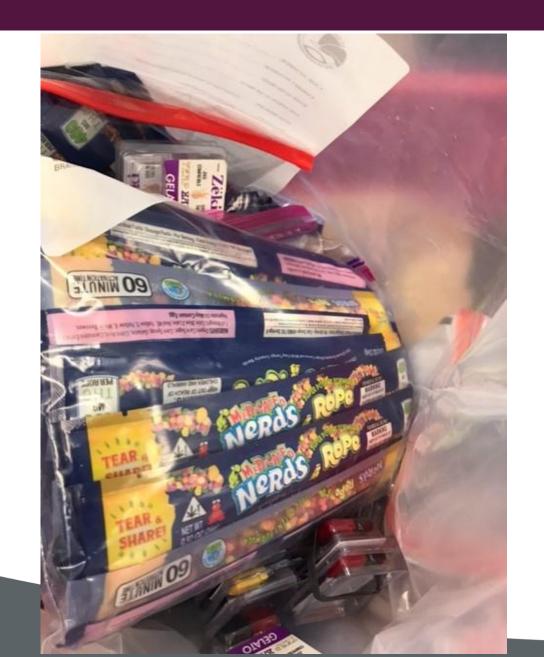
Figure 3: Drug Product exhibit #1





DEA TOX Quarterly Report-3<sup>rd</sup> Quarter 2022

### Seized Delta-9 THC Products





### **Delta-8 Clinical Effects on Children**

- Analysis of 27 children, age 1-14, hospitalized with delta-8
   THC exposure at Children's Hospital Pittsburgh
  - No other substances identified on LC/MS
- All had alteration of mental status
- Nearly a third required ICU admission
- Remained in the hospital from 1-4 days
- Nearly all were hypotensive at some point
- 2 required mechanical ventilation

#### **Table 1. Cohort characteristics**

Age median, (range) years	4.1 (1.4-14.4)
Hospitalized, n (%)	27/27 (100)
ICU, n (%)	8/27 (30)
LOS median (range) hours	19 (10, 97)
IV Naloxone, n (%)	3/27 (11)
EMIT + THC, n (%)	27/27 (100)
LC/MS + THC, n (%)	22/24 (81)

#### Table 2. Cohort clinical observations

Encephalopathy, n (%)	27/27 (100)
Respiratory impairment, n (%)	6/27 (22)
Hypoxemia, n (%)	3/27 (11)
Hypercapnia, n (%)	3/27 (11)
Mechanical ventilation, n (%)	2/22 (7)
Hypotension, n (%)	24/27 (89)
IV fluid boluses, n (%)	16/27 (59)
Vasopressors, n (%)	2/22 (7)



## **Synthetic Cannabinoid Compounds**

- 786,000 Americans reported synthetic cannabinoid use in 2022
- True incidence difficult to assess given limited testing capabilities
- Chemicals sprayed onto dried vegetative material, e.g. tobacco or marijuana, or vaped



- Stimulant effects
  - Agitation, sinus tachycardia, occasionally requiring intubation, and associated with deaths
  - Treatment is sedation and supportive care



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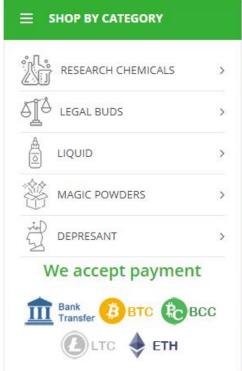


BLOG

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FREE SAMPLE ORDER





#### RESEARCH CHEMICAL

hex-en 3cmc small Cristal 3cmc yellow Alfa-pihp 4cmc brown 3mmc

#### **FEATURED PRODUCTS**











# Kratom (Mitragynine and 7-OH-Mitragynine)

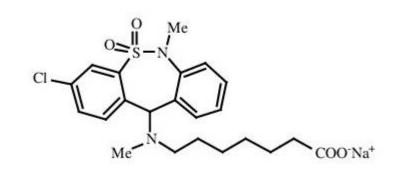
- Mild stimulant properties at low doses
- Partial µ-opioid receptor agonist
  - Does not lead to β-arrestin 2 recruitment associated with most opioid adverse effects
- Unscheduled
- Used recreationally as well as for pain and self-treatment of opioid withdrawal
- Deaths have been reported, but mild toxicity relative to full opioid agonists





### Tianeptine aka "Gas station heroin"

- Structurally similar to tricyclic antidepressants
- Can cause stimulatory effects and agitation as well as opioid effects
- Most exposures require hospitalization with 2/3 admitted to the ICU
- Reported fatalities are rare
- Results in dependence and withdrawal requiring opioid agonist, e.g. buprenorphine, treatment





<sup>1.</sup> Rushton W, Whitworth B, Brown J, Kurz M, Rivera J. Characteristics of tianeptine effects reported to a poison control center: a growing threat to public health. Clin Toxicol (Phila). 2021 Feb;59(2):152-157. doi: 10.1080/15563650.2020.1781151. Epub 2020 Jun 18. PMID: 32552075.



# **Barriers To Accessing Evidence-Based Treatment**

- 76% of patients with any SUD received no treatment in 2022<sup>1</sup>
  - Only ~18% of patients with OUD received any MOUD

#### Barriers:

- Gaps in knowing where to go for treatment<sup>1,2</sup>
  - 52.2% of those seeking treatment reported not knowing where to go in 2022
- Difficulty accessing care<sup>1,2</sup>
- Long wait times<sup>1,2</sup>
  - Pennsylvania patients can wait up to 3 weeks for MOUD treatment<sup>3</sup>
- Geographical distance from treatment providers<sup>1,2</sup>
- Stigma<sup>1</sup>
  - 46.1% reported concern about what others would think or say in 2022
- 1. Substance Abuse and Mental Health Services Administration. (2023). Key substance use and mental health indicators in the United States: Results from the 2022 National Survey on Drug Use and Health (HHS Publication No. PEP23-07-01-006, NSDUH Series H-58). Center for Behavioral Health Statistics and Quality, Substance Abuse and Mental Health Services Administration. <a href="https://www.samhsa.gov/data/report/2022-nsduh-annual-national-report">https://www.samhsa.gov/data/report/2022-nsduh-annual-national-report</a>
- 2. Hall NY, Le L, Majmudar I, Mihalopoulos C. Barriers to accessing opioid substitution treatment for opioid use disorder: A systematic review from the client perspective. Drug Alcohol Depend. 2021 Apr 1;221:108651. doi: 10.1016/j.drugalcdep.2021.108651. Epub 2021 Feb 26. PMID: 33667783.
- 3. Kawasaki S, Francis E, Mills S, Buchberger G, Hogentogler R, Kraschnewski J. Multi-model implementation of evidence-based care in the treatment of opioid use disorder in Pennsylvania. Subst A vuse Treat. 2019 Nov; 106:58-6 doi:30.1016/j.jsat.2019.08.016. Epub 2019 Aug 28. PMID: 31540612; PMC7194237.

### **UPMC ED SUD Treatment "Bundle"**

- Buprenorphine induction in the department
- Warm handoff to follow up treatment incorporated into EHR
- Naloxone to-go
- Buprenorphine to-go (6 doses for 3 days)
- Fentanyl and xylazine test strips to go
- "Reducing Harm from Drug Use" discharge instructions
- "Buprenorphine Home Induction" including safe storage discharge instructions
- "Xylazine Wound Care" discharge instructions
- Buprenorphine prescribing by any DEA-licensed provider
- Toxicology Telemedicine Bridge Clinic for guaranteed low barrier follow up



# **ED Buprenorphine To Go**

- Capitalize on Meds to go programs in EDs
- 61% of patients provided buprenorphine to go filled subsequent prescriptions within 30 days<sup>1</sup>
- Particularly effective when:
  - Limited pharmacy access
  - Holidays and off-hours
  - Housing instability
  - Transportation limitations
  - Home-induction
  - Can be provided in addition to a prescription to bridge the gap to follow-up

Zimmerman DE, Johnson B, Kearns A, Metro H, Robb A, Nemecek BD, Montepara CA, Covvey JR, Lynch MJ. The use of buprenorphine to-go packs in the emergency department. Am J Emerg Med. 2024 Mar;77:154-157. doi: 10.1016/j.ajem.2023.12.025. Epub 2023 Dec 20. PMID: 38150985.

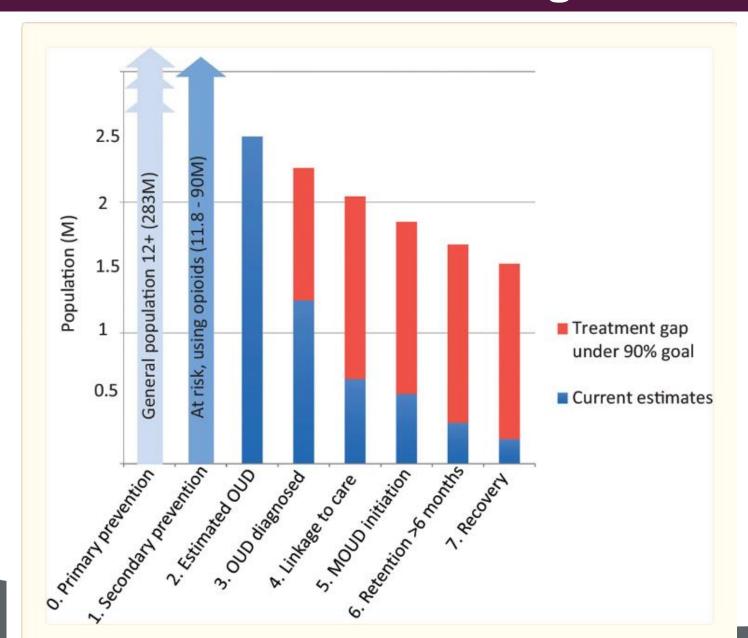


# Implementing a Warm Handoff Program

- Partner with community resources
  - Local treatment providers able to accommodate rapid referrals
  - Low barrier engagement
  - County agencies
- Staffing and program mechanism
  - Ideally Peer or CRS physically present in the ED or able to respond quickly
- Quality assurance and program assessment
  - Outcomes reported to ED staff to reinforce utilization



# Cascade of Care-Measuring the Continuum



Williams AR, Johnson KA, Thomas CP, Reif S, Socías ME, Henry BF, Neighbors C, Gordon AJ, Horgan C, Nosyk B, Drexler K, Krawczyk N, Gonsalves GS, Hadland SE, Stein BD, Fishman M, Kelley AT, Pincus HA, Olfson M. Opioid use disorder Cascade of care framework design: A roadmap. Subst Abus. 2022;43(1):1207-1214. doi: 10.1080/08897077.2022.2074604. PMID: 35657670; PMCID: PMC9577537.



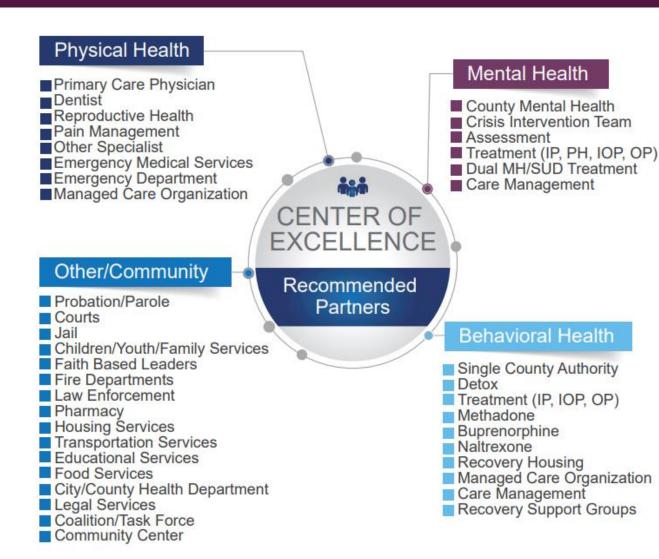
### **Non-linear Continuum of Care**





### Centers of Excellence

- Rapid access to OUD treatment
- Access to peer support and care coordination
- Access to behavioral health resources
- Ideally integrated into primary care infrastructure for long-term transition



Centers of Excellence (pa.gov)

# Rapid Access to Telemedicine MOUD

#### **UPMC Medical Toxicology Telemedicine Bridge Clinic**



UPMC Medical Toxicology is providing addiction medicine bridge clinic services via telemedicine throughout Pennsylvania in collaboration with the PA Department of Drug and Alcohol Programs and local Single County Authorities (SCAs). Appointments available Monday through Friday from 9 a.m. to. 7 p.m. (typically same or following business day).

Call **412-432-1042** to make an appointment.

Online scheduling: <u>UPMC Toxicology</u>
<u>Telemedicine Bridge Clinic > Pittsburgh, PA ></u>
<u>Medical Toxicology > Book Appointment</u>





### Referral Resources

Prospectively identify resources that can be rapidly accessed when patient need arises.

Develop standardized processes to access those resources.

PA DDAP Treatment Atlas: <a href="https://treatmentatlas.org/">https://treatmentatlas.org/</a>

24/7 PA GET HELP Hotline: 1-800-662-HELP (4357)

Find a local treatment provider

Get Help Now | Care Provider (pa.gov)

Single County Authorities (SCA)

<u>Find your county office (pa.gov)</u>



### **Questions?**



