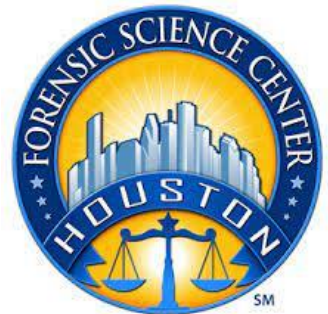
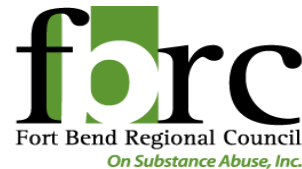


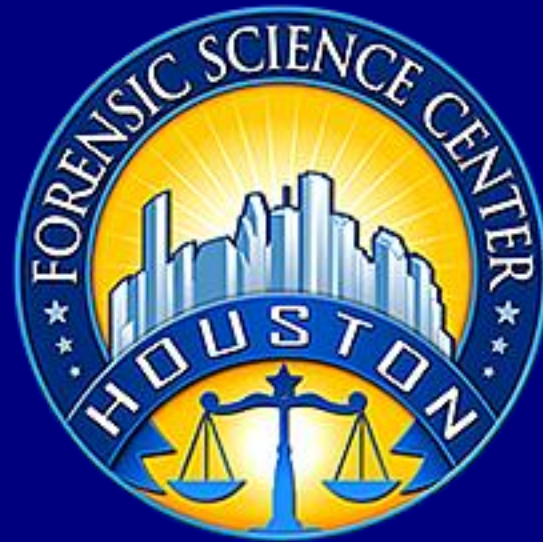
# Hidden in Plain Sight: Youth Substance Use Crisis Training

Fort Bend County Behavioral Health Services  
Fort Bend Regional Council



# Pre Test Knowledge Check





SO YOU THINK YOU KNOW  
WHAT YOU JUST STUCK IN  
YOUR MOUTH?

Peter Stout, Ph.D. F-ABFT

- Seized Drugs/Controlled Substances



Bulk drugs before use



- Toxicology



Body fluids after use







US

Crime + Justice

Energy + Environment

Extreme Weather

Space + Science

# Virginia mother arrested, charged in child's death after 4-year-old ate THC gummies, police say

By Claudia Dominguez and Raja Razek, CNN

Published 7:47 PM EDT, Fri October 21, 2022



# \$1 Billion Worth of Meth Found Inside a Shipment of Coconut Water

The 1.8 metric tons of liquid, Hong Kong's largest-ever meth seizure, were enough to supply an estimated 18 million street deals.



By [Gavin Butler](#)  
MELBOURNE, AU

October 31, 2022, 1:27am



[Share](#)



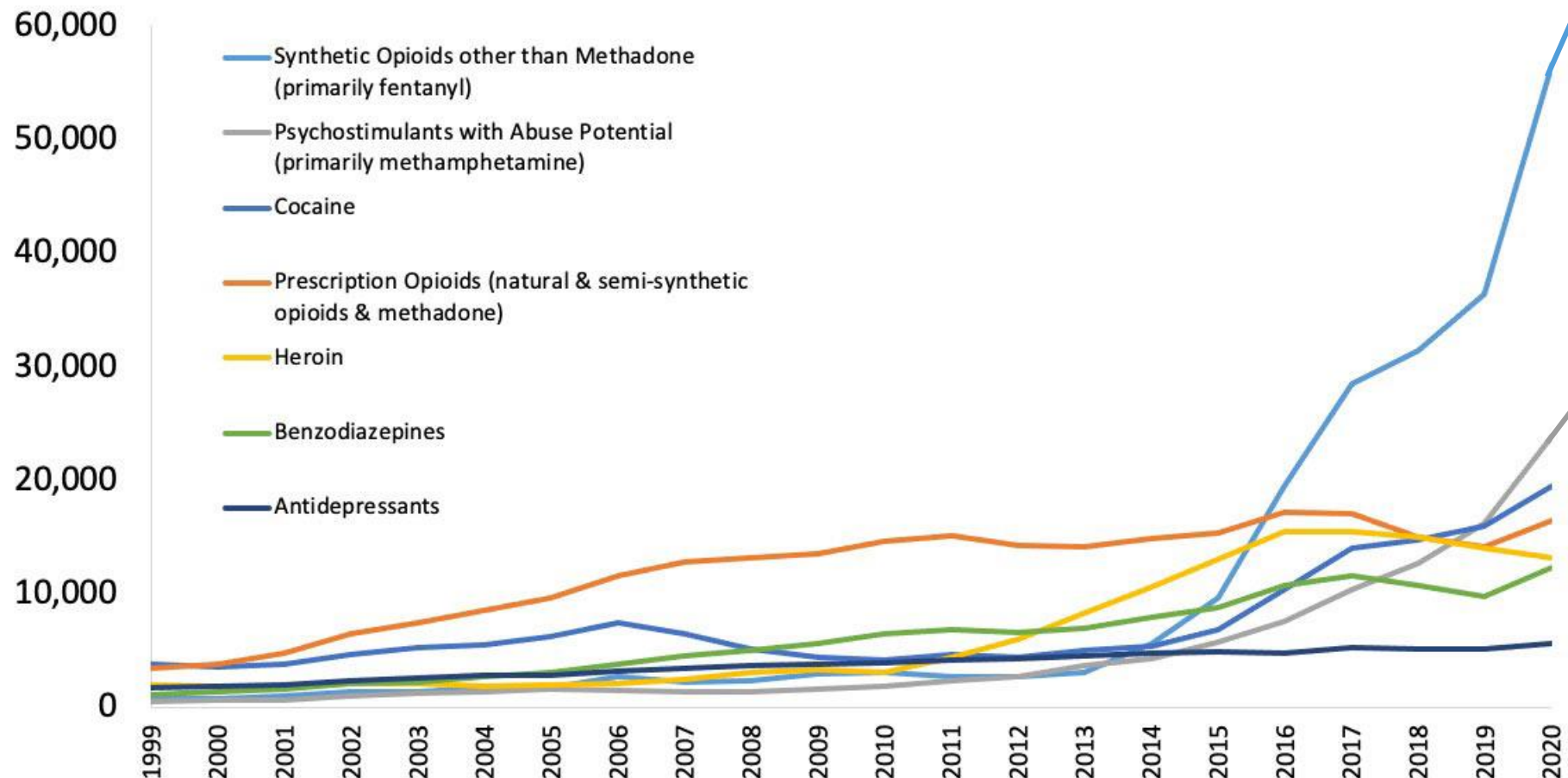
[Tweet](#)



[Snap](#)



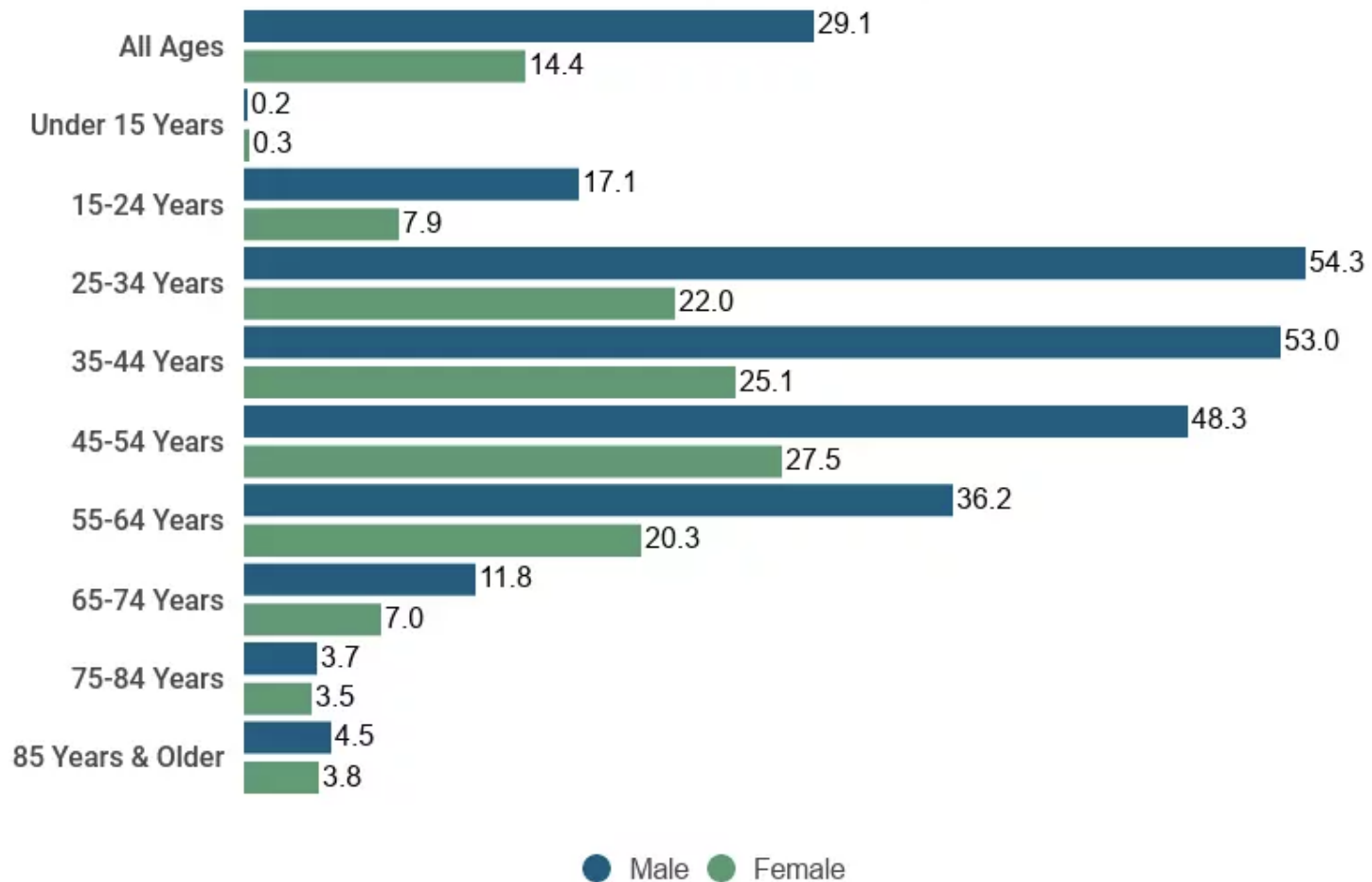
## Figure 2. National Drug-Involved Overdose Deaths\*, Number Among All Ages, 1999-2020



\*Includes deaths with underlying causes of unintentional drug poisoning (X40–X44), suicide drug poisoning (X60–X64), homicide drug poisoning (X85), or drug poisoning of undetermined intent (Y10–Y14), as coded in the International Classification of Diseases, 10th Revision. Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Multiple Cause of Death 1999–2020 on CDC WONDER Online Database, released 12/2021.

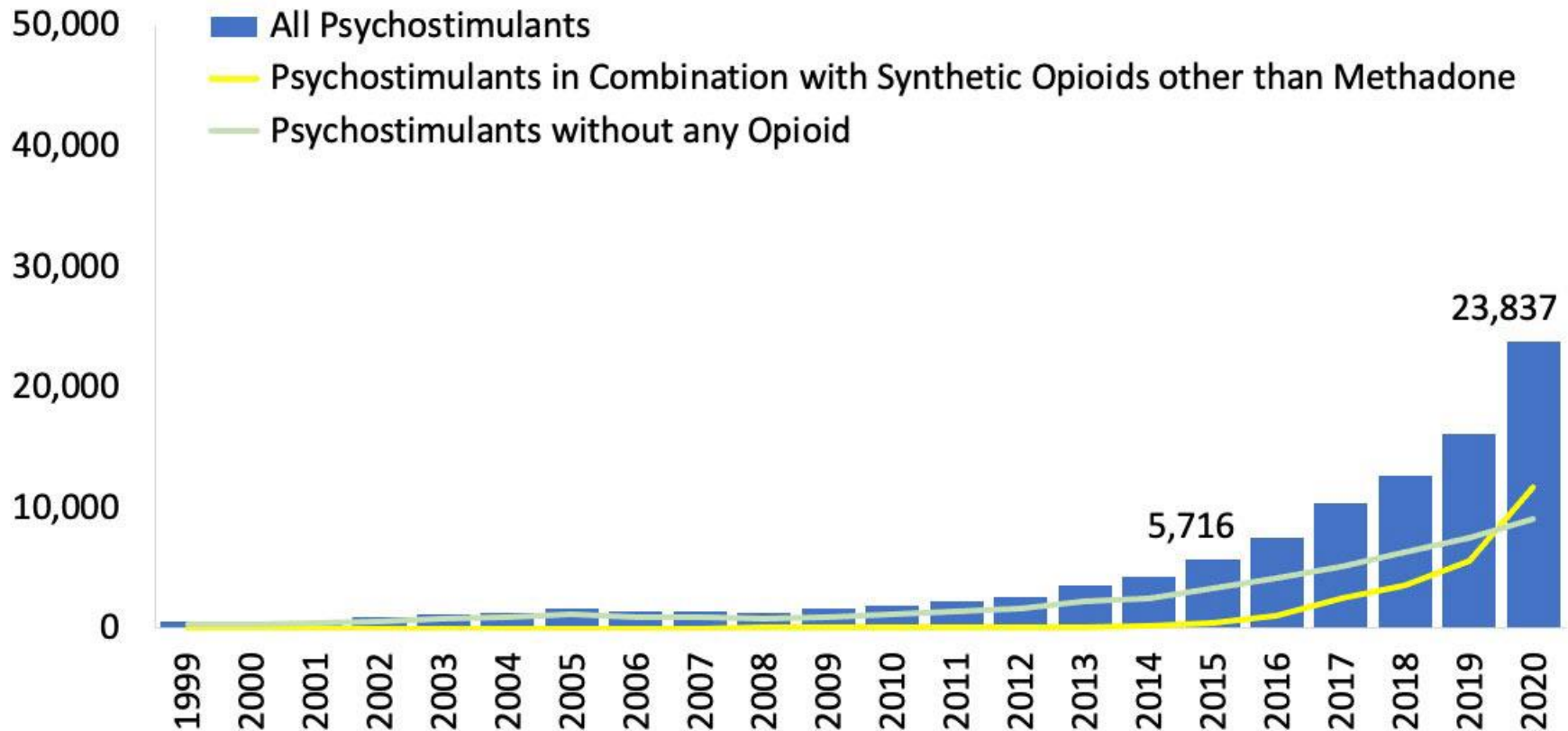
<https://www.drugabuse.gov/drug-topics/trends-statistics/overdose-death-rates>

## Drug Overdose Deaths Among Age Groups per 100,000 Residents



<https://drugabusestatistics.org/drug-overdose-deaths>

**Figure 6. National Overdose Deaths Involving Psychostimulants with Abuse Potential (Primarily Methamphetamine)\*, by Opioid Involvement  
Number Among All Ages, 1999-2020**



\*Among deaths with drug overdose as the underlying cause, the psychostimulants with abuse potential (primarily methamphetamine) category was determined by the T43.6 ICD-10 multiple cause-of-death code. Abbreviated to *psychostimulants* in the bar chart above. Source: Centers for Disease Control and Prevention, National Center for Health Statistics. Multiple Cause of Death 1999-2020 on CDC WONDER Online Database, released 12/2021.

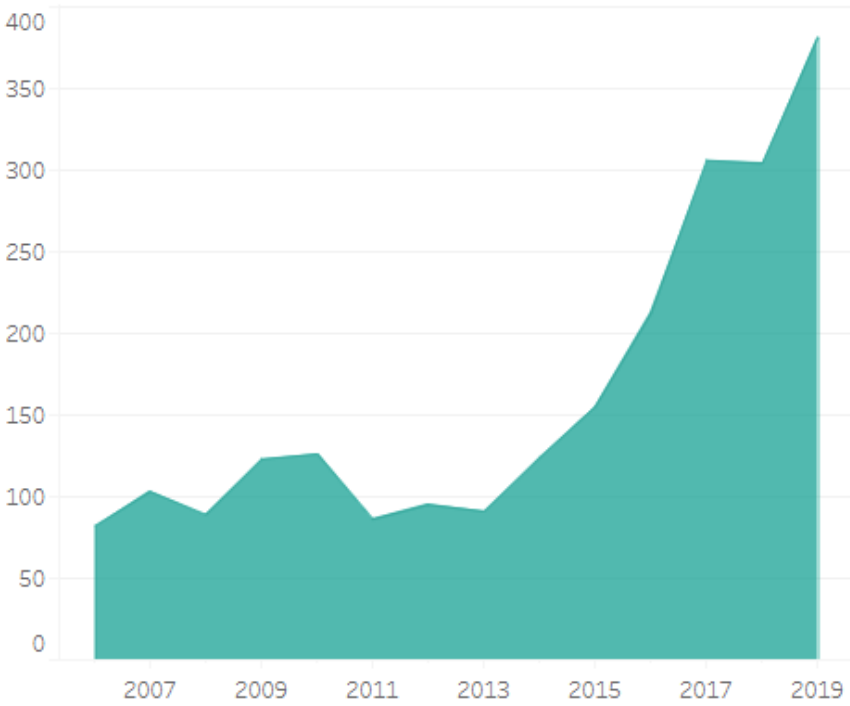


# Accidental Drug Overdose Deaths (Counts)

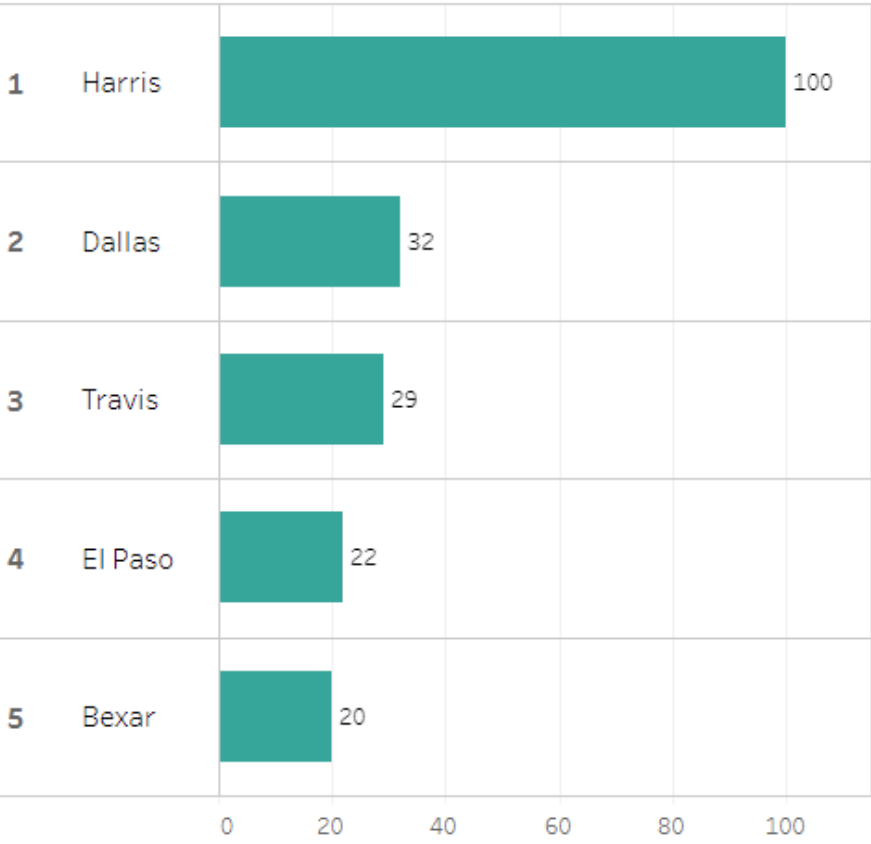
Select Drug Type

Synthetic Opioids

## Texas Trends



## Top Counties in 2019

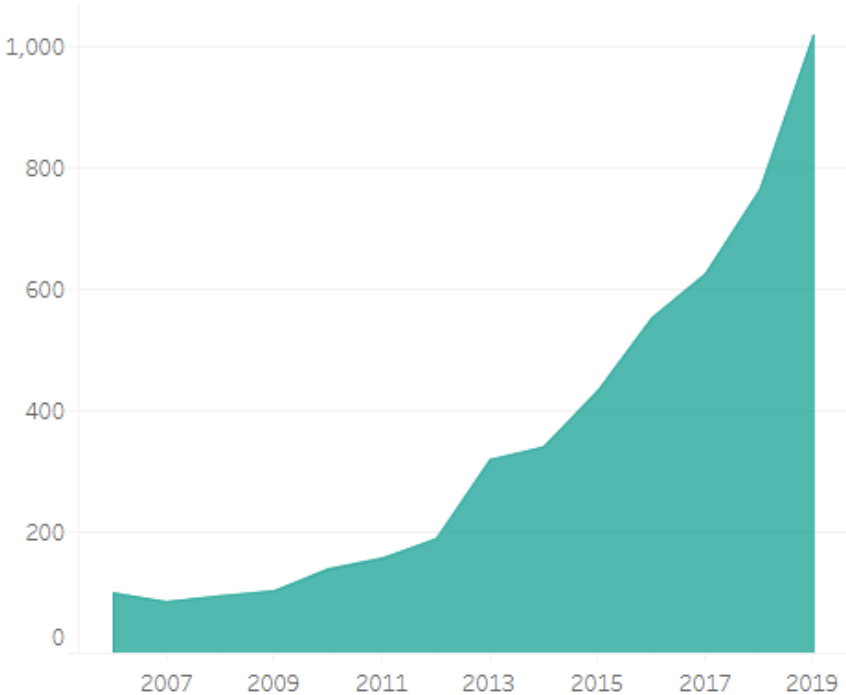


# Accidental Drug Overdose Deaths (Counts)

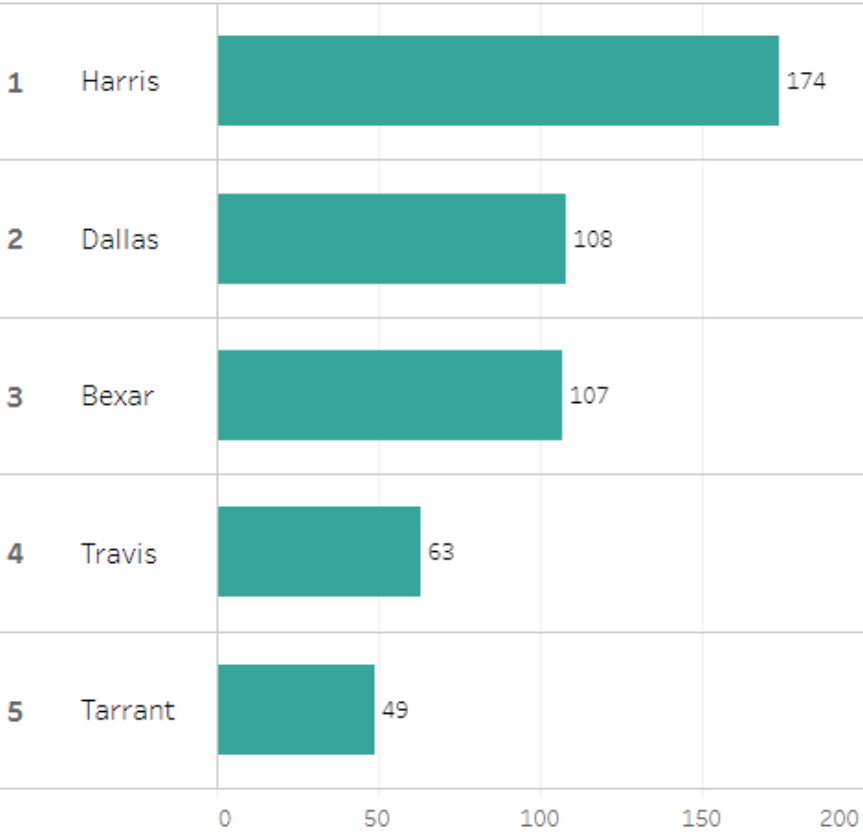
Select Drug Type

Psychostimulants

## Texas Trends

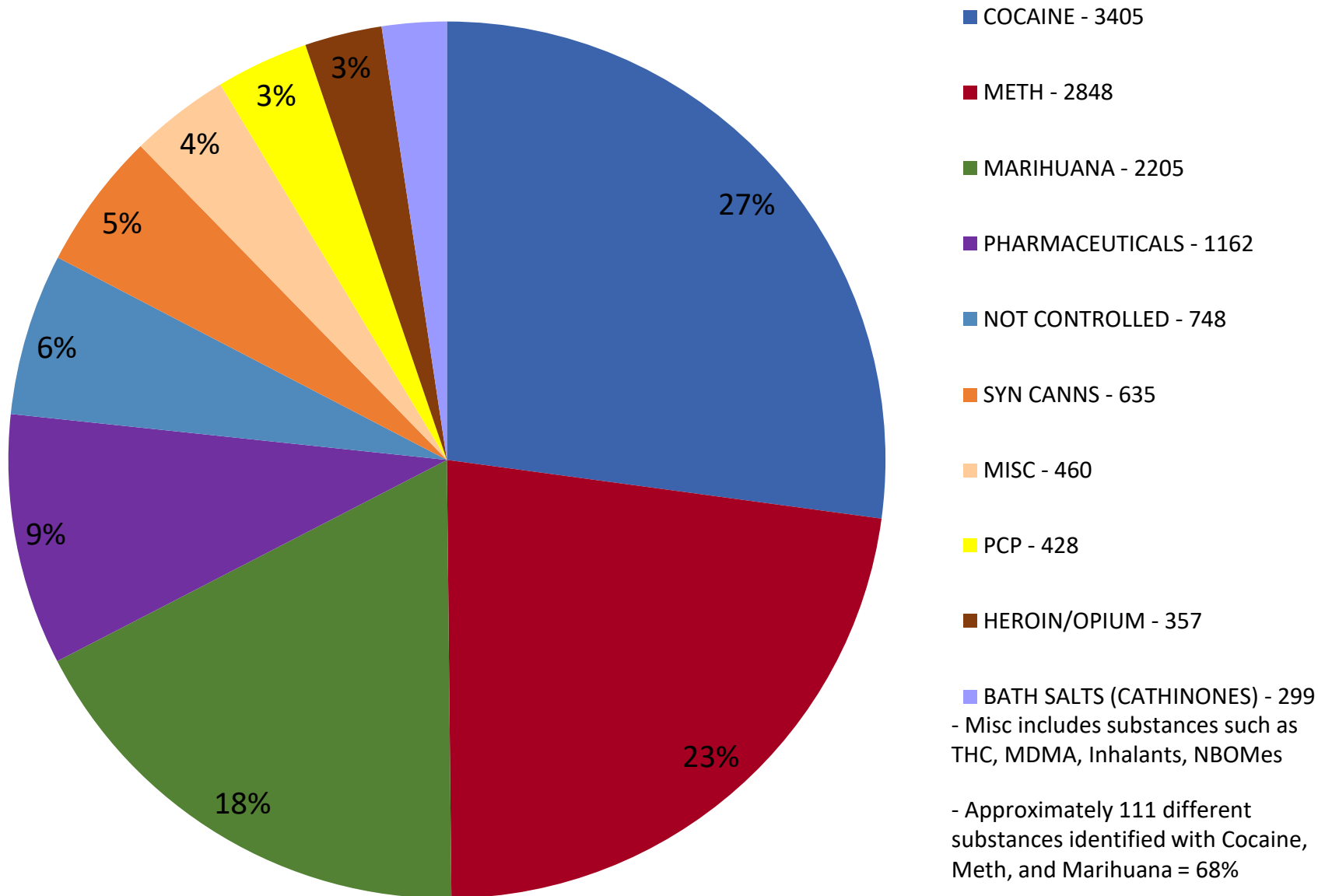


## Top Counties in 2019



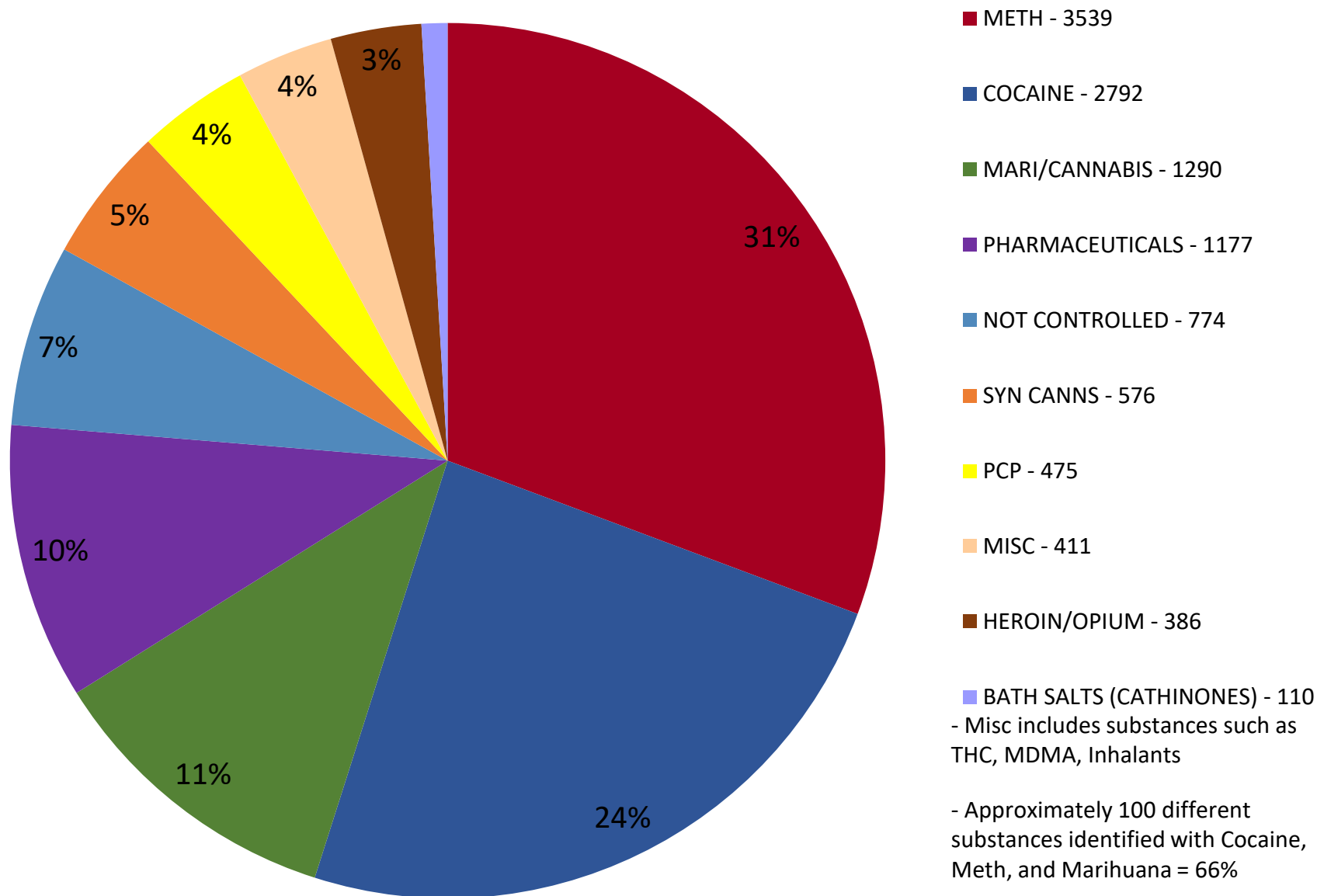
# FREQUENCY BY DRUG OR GROUP

## from Jan 2018 - Dec 2018 (12,547 Identifications)



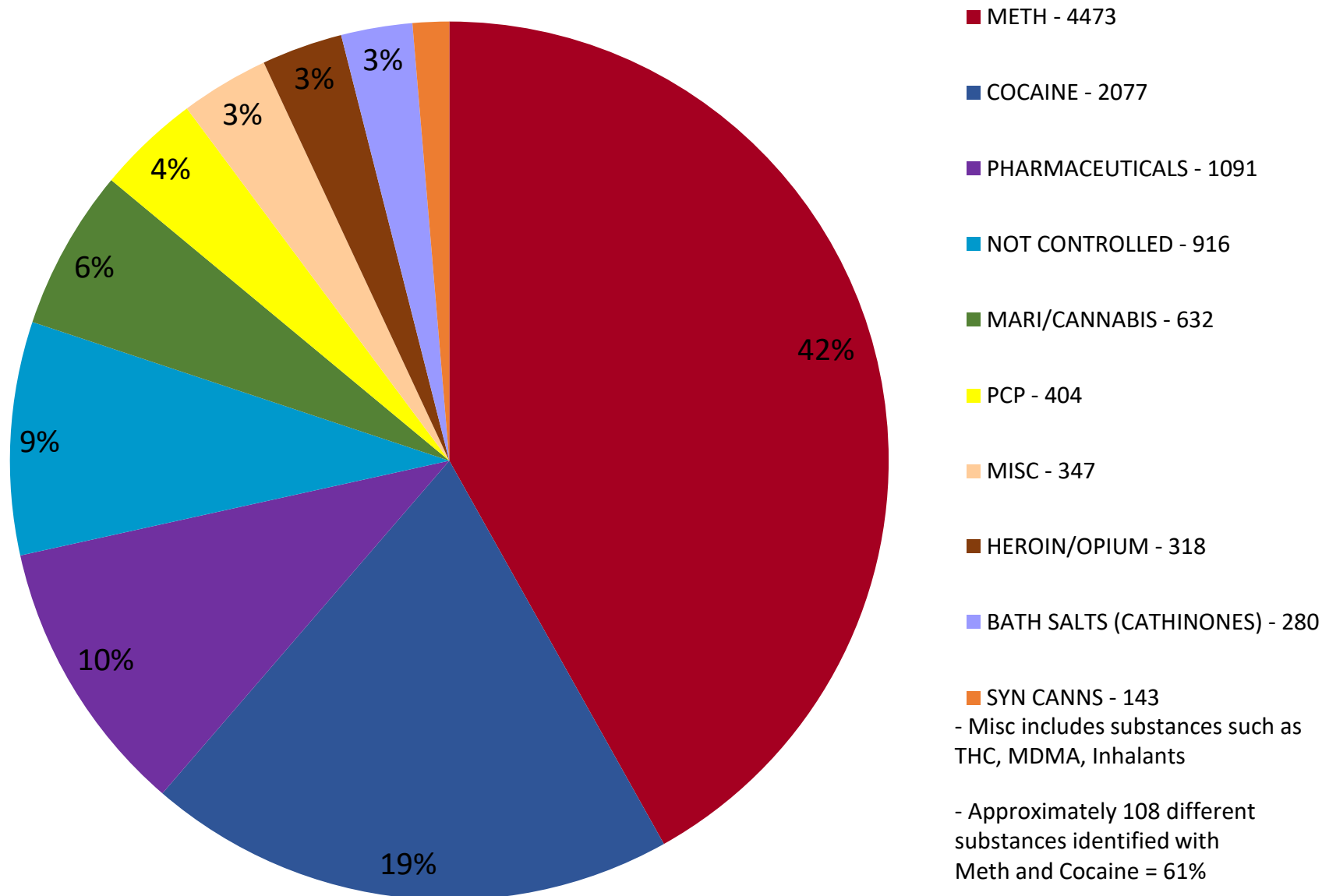
# FREQUENCY BY DRUG OR GROUP

## from Jan 2019 - Dec 2019 (11,530 Identifications)



# FREQUENCY BY DRUG OR GROUP

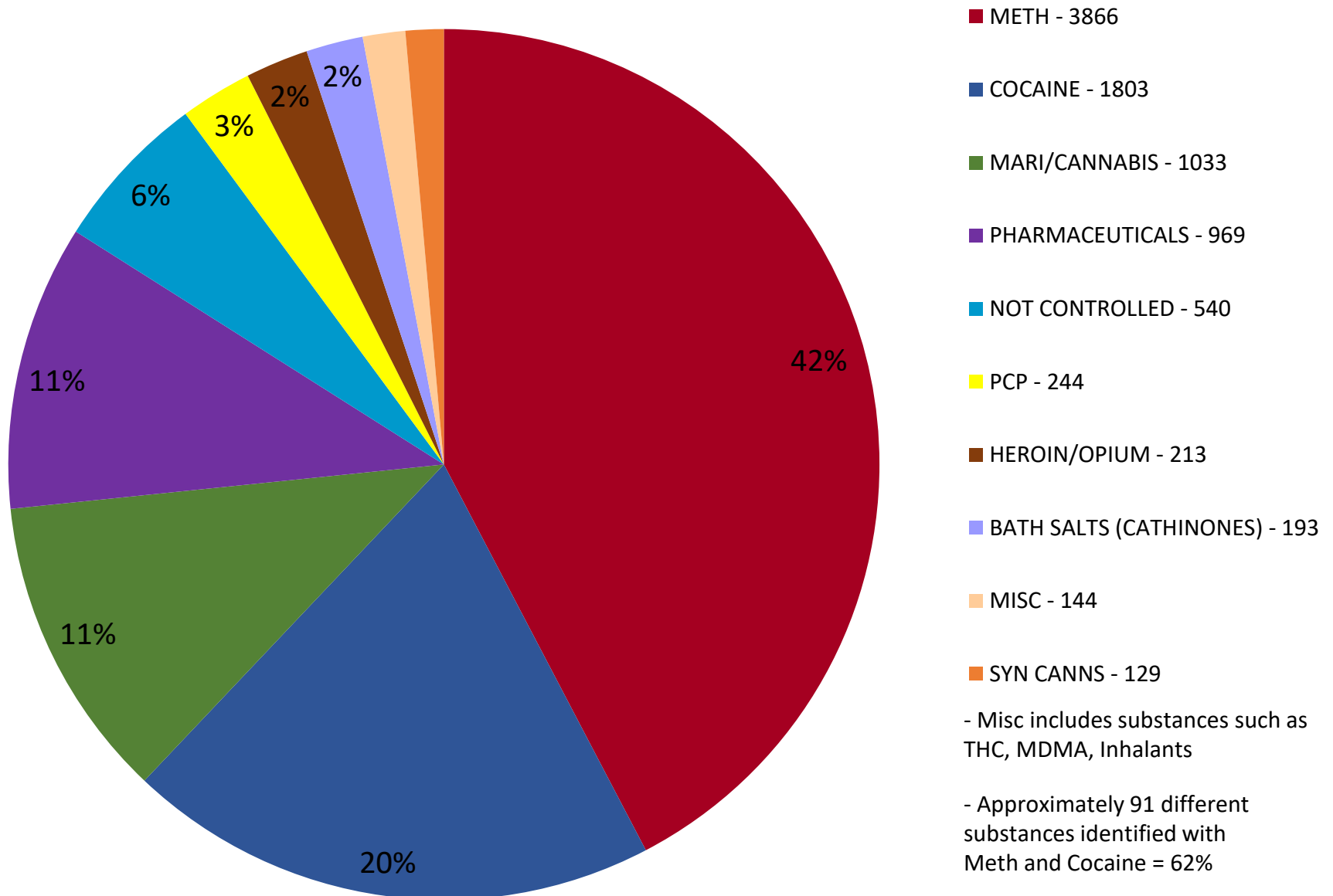
## from Jan 2020 - Dec 2020 (10,681 Identifications)





# FREQUENCY BY DRUG OR GROUP

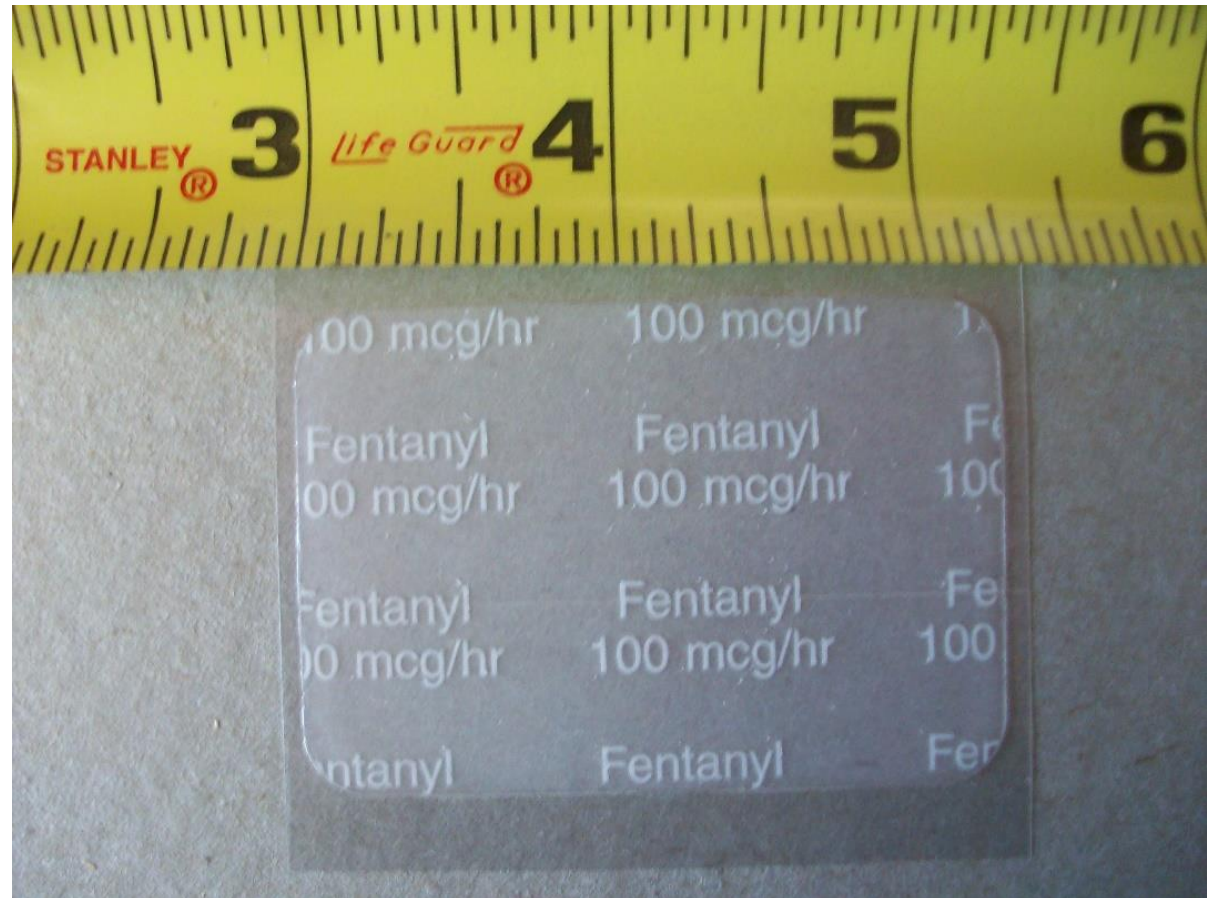
## from Jan 2021 - Dec 2021 (9,134 Identifications)



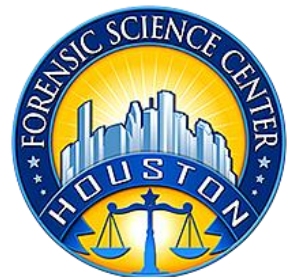
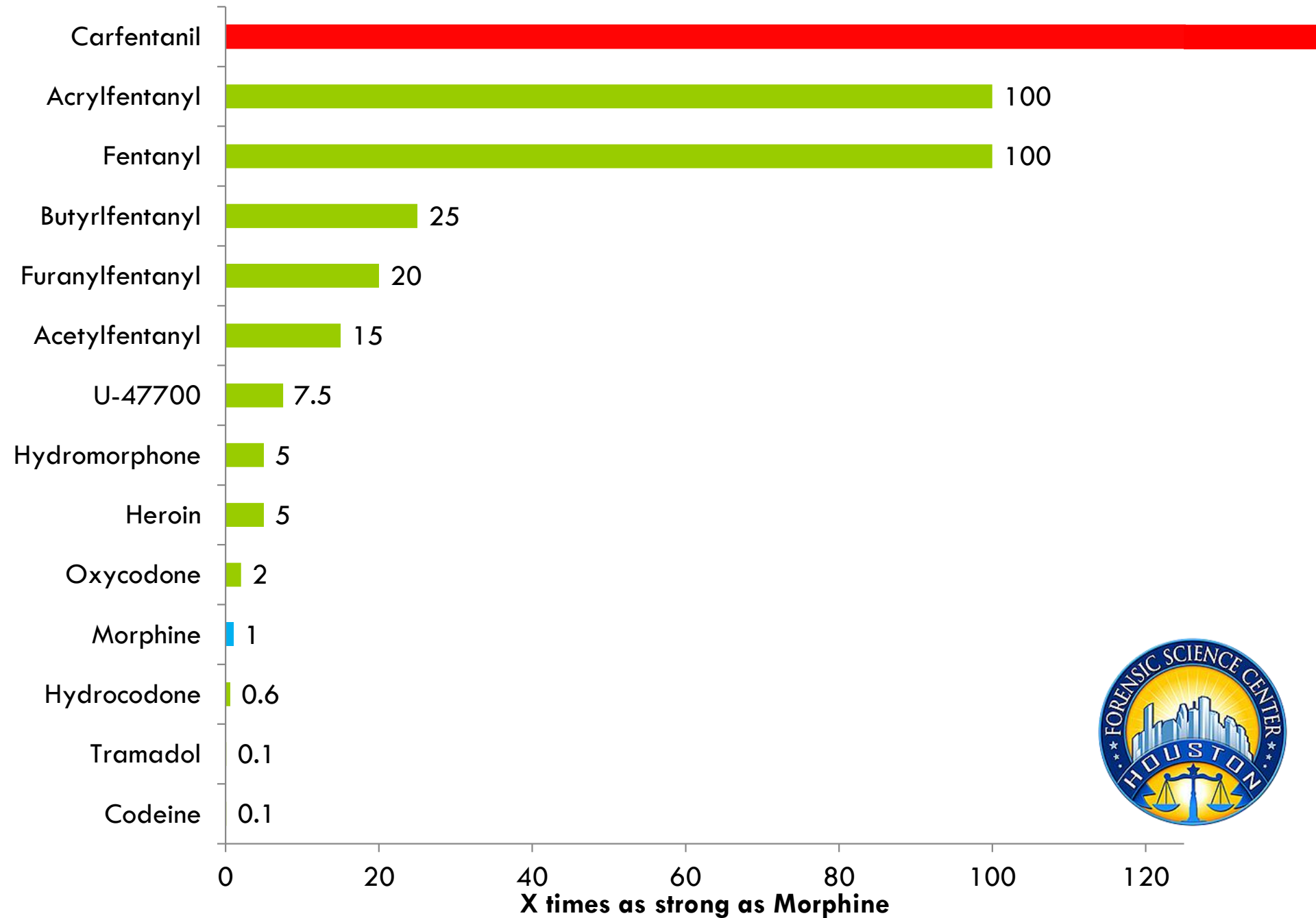


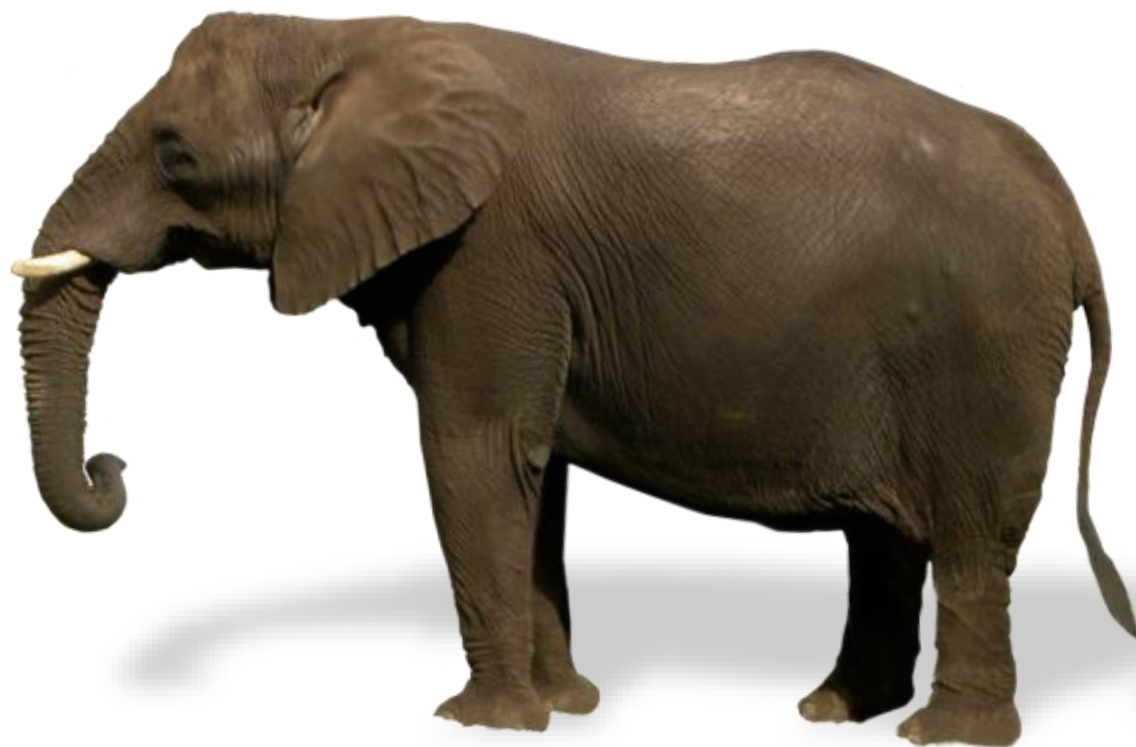
# What is Fentanyl?

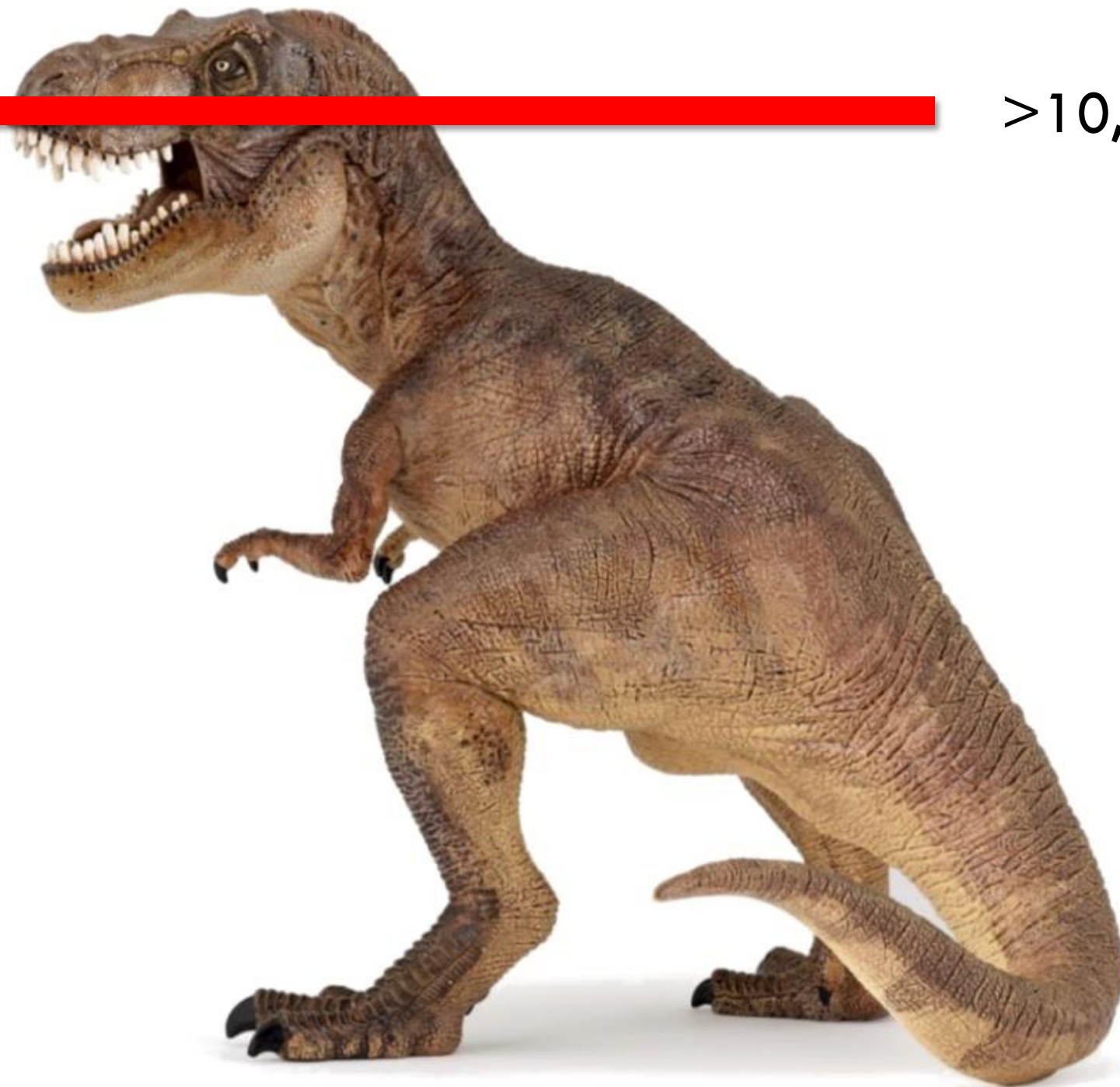
- Fentanyl is a synthetic opioid narcotic with pain relief characteristics
- Used medically in hospitals by injection
- Available by prescription in patch or oral form



# Relative Opioid Strength



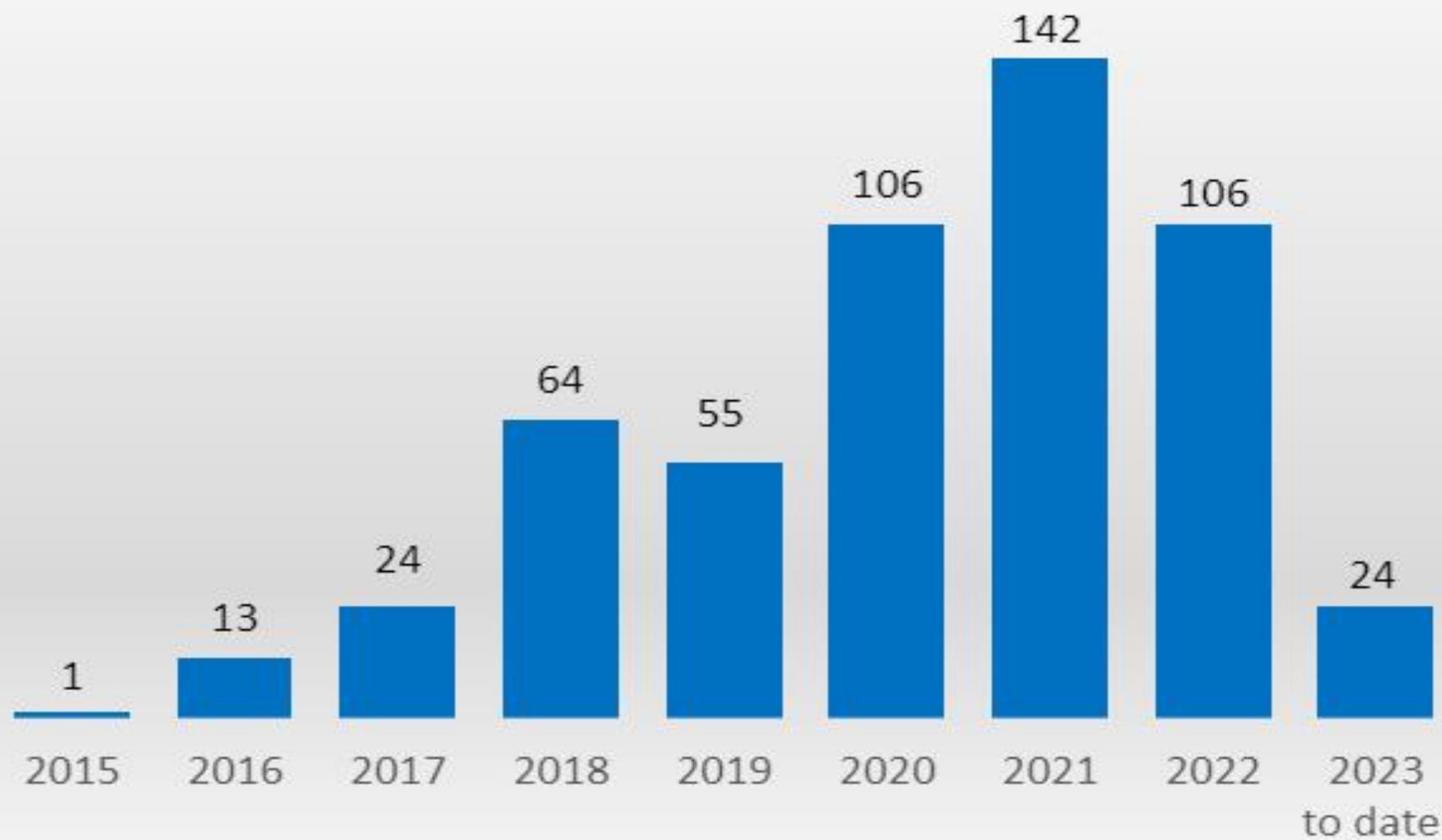


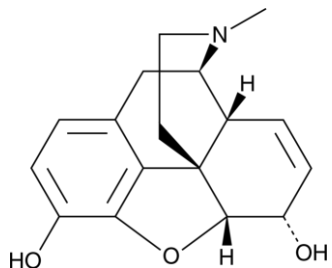


$>10,000\times$

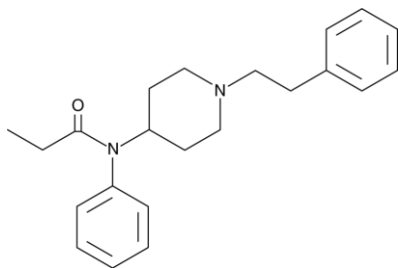


## # Fentanyl and Related Opioid Cases

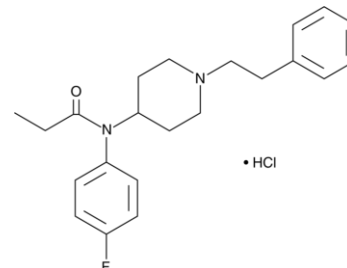




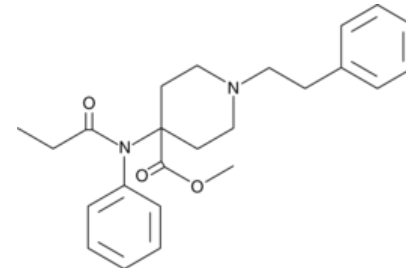
Morphine



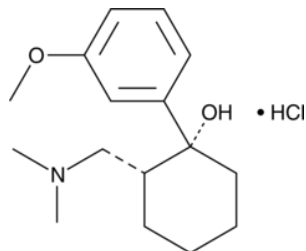
Fentanyl



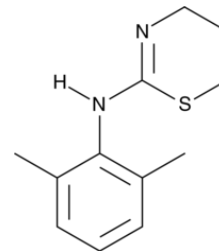
Para-fluorofentanyl



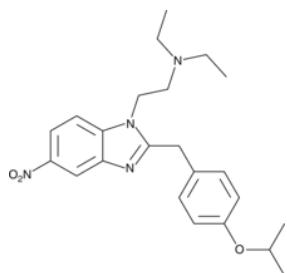
Carfentanil



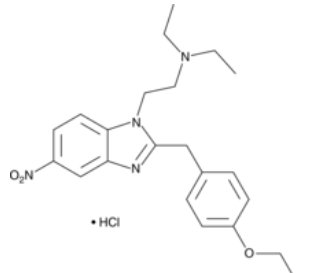
Tramadol



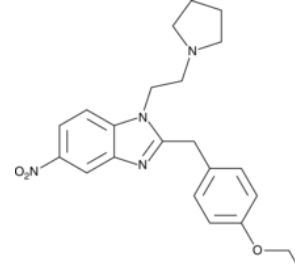
Xylazine



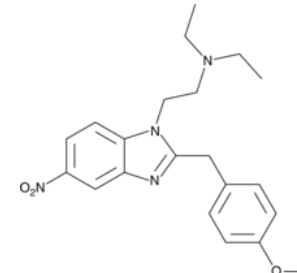
Isotonitazene



Protonitazene

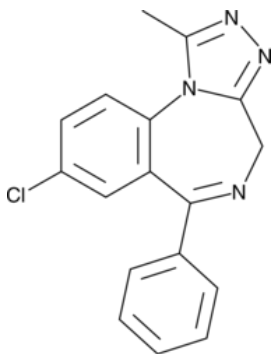


N-pyrrolidino etonitazene

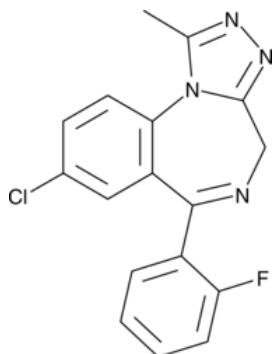


Metonitazene

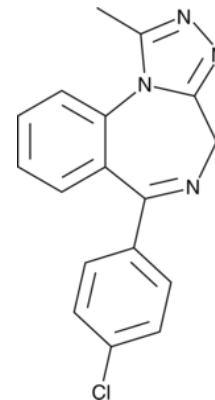
Offense Date	Appearance	Suspected	Actual Identified	Indicated but not confirmed
1/7/2022	tablet with B707 logo oblong tablet without logo	alprazolam alprazolam	fentanyl fentanyl	tramadol, xylazine tramadol, para-fluorofentanyl, acetaminophen, xylazine
3/14/2022	offwhite chunky powder	cocaine	meth/fentanyl	xylazine
3/16/2022	tablet with M30 logo	oxycodone	fentanyl	acetaminophen, xylazine
4/4/2022	white chunky powder	cocaine	meth/fentanyl	xylazine
4/7/2022	compressed white powder (kilo)	heroin	fentanyl	4-ANPP, xylazine
6/15/2022	white powder	fentanyl	fentanyl	4-ANPP, xylazine
6/17/2022	compressed white powder	cocaine	fluorofentanyl	xylazine
9/12/2022	white powder	cocaine	fentanyl	4-ANPP, xylazine
11/4/2022	offwhite powder	heroin	fentanyl	xylazine



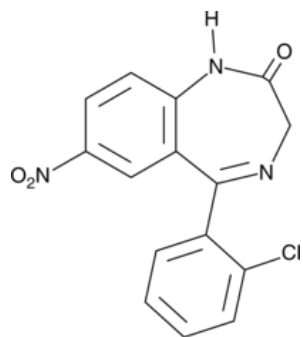
Alprazolam



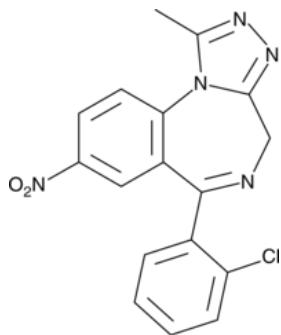
Flualprazolam



4'-chloro deschloroalprazolam



Clonazepam



Clonazolam



**WARNING**  
This container is not intended for use with needles or syringes that are not designed for use in this container. Do not use this container for anything other than the intended purpose. Do not use this container for anything other than the intended purpose. Do not use this container for anything other than the intended purpose.

**ATTENTION**  
Ce conteneur n'est pas destiné à être utilisé avec des aiguilles ou des seringues qui ne sont pas conçues pour être utilisées dans ce conteneur. Ne pas utiliser ce conteneur pour autre chose que son usage prévu. Ne pas utiliser ce conteneur pour autre chose que son usage prévu.

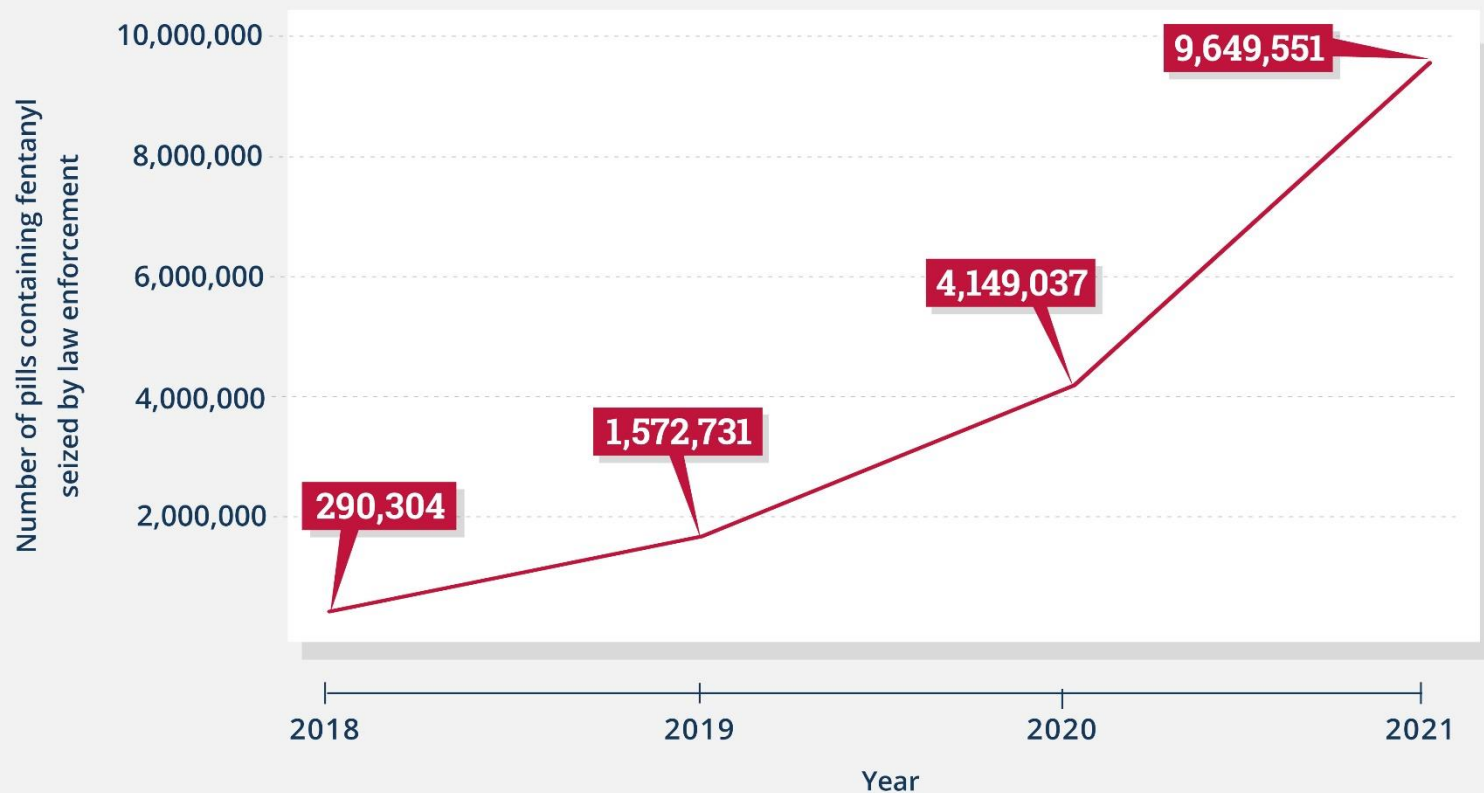
**ADVERTENCIA**  
Este contenedor no está diseñado para ser utilizado con agujas o jeringas que no estén diseñadas para ser utilizadas en este contenedor. No utilizar este contenedor para nada más que su propósito previsto. No utilizar este contenedor para nada más que su propósito previsto.







## Number of Pills Containing Fentanyl Seized by Law Enforcement in the United States, 2018 – 2021



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. *Drug and Alcohol Dependence*. DOI: 10.1016/j.drugalcdep.2022.109398 (2022)



# Typical illicit pill operation



Actual hidden  
camera photo of pill  
manufacturer taking  
a break.















08.22.2017



SANTA'S BEST CRAFT, LTD.  
NORTHFIELD, IL 60063

07.21.201





08.22.2017



Notice: 10% off on purchase over 5 sets of molds. Use the coupon code after registering and logging in: 5SETS+C

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TABLET PRESS

CIRCULAR DIES

IRREGULAR DIES

CUSTOM MOLDS

CONTACTS



## TDP-6 TABLET PRESS MACHINE

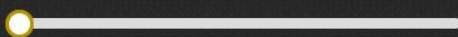
Single pill press TDP - 6 punch tablet press machine can be made into a pill by using a set of punch dies.....

New Dawn



[HOME](#)[TABLET PRESS](#)[CIRCULAR DIES](#)[IRREGULAR DIES](#)[CUSTOM MOLDS](#)[CONTACTS](#)

## PRICE



\$

688

-

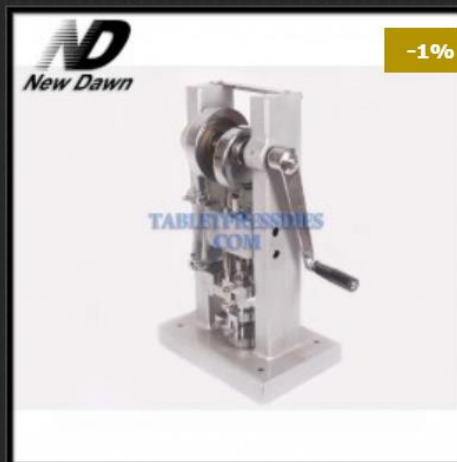
\$

688



## COMPARE ★

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Single pill press handheld TDP-0  
pill making machine

~~\$700.00~~ **\$688.00**

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08.23.2017

Hydrocodone



08.23.2017

Oxycodone

Xanax



08.23.2017

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VIDEO



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## Firmapress All-in-One Pharmaceutical-Grade Excipient Blend - Blue - 25kg (55 pounds) - Pill Mix Powder for Easy Tablet Formulation

Visit the LFA Tablet Presses Store

★★★★★ 237 ratings | 27 answered questions

\$699<sup>99</sup> (\$0.80 / Ounce)

Get a \$50 Amazon Gift Card instantly upon approval for the Amazon Rewards Visa Card. No annual fee.

Size: **55 Pound (Pack of 1)**

2.2 Pound (Pack of 1)

11 Pound (Pack of 1)

**55 Pound (Pack of 1)**

Color: **Blue**



\$699<sup>99</sup> (\$0.80 / Ounce)

FREE delivery **May 9 - 10**

Or fastest delivery **May 6 - 7**

Deliver to Peter - Cypress 77433

Qty: 1

Add to Cart

Buy Now

Secure transaction

Ships from Amazon

Sold by LFA Machines

Return policy: Eligible for  
Return, Refund or Replacement

☐ Add your 30-day  
FREE trial of Prime  
and get **fast, FREE**  
delivery





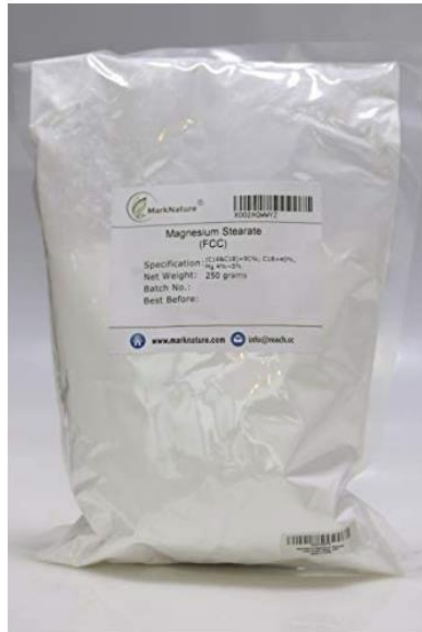
Dexterity Health Liquid MSM Eye Drops 2-Pack of 2 oz. Squeeze-Top Bottles, 100% Sterile, Vegan, All-Natural and Non-GMO, Contains Organic MSM

★★★★★ 8,160

\$22.77

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## MarkNature Magnesium Stearate,Lubricant Excipient,Cosmetic Ingredients,Food Grade 250g (8.8 oz)

Visit the MarkNature Store

★★★★★ 51 ratings | 4 answered questions

Price: **\$15.99** (\$1.81 / Ounce) Get **Fast, Free Shipping** with Amazon Prime  
FREE Returns

**Brand** MarkNature  
**Scent** Unscented  
**Item Form** Powder  
**Number of Items** 1  
**Unit Count** 8.8185 Ounce

### About this item

- CAS NO.: 557-04-0
- EC NO.: 209-150-3
- Chemical Formula:C36H70MgO4
- Mg: 4.0-5.0%;Stearic acid: ≥40%;(C16&C18)>90%

Compare with similar items



EASTCHEM 99% Purity of Magnesium Stearate Powder,Cosmetic Ingredients, Food...

★★★★★ 34 | \$17.99

[Shop now](#)

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Total price: **\$108.97**

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Get **Fast, Free Shipping** with Amazon Prime  
FREE Returns

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Or fastest delivery **Saturday, October 29**.  
Order within 14 hrs 33 mins

Select delivery location

In Stock.

Qty: 1

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[Buy Now](#)

Secure transaction

Ships from Amazon  
Sold by MarkNature

Return policy: Returnable until Jan 31, 2023

Enjoy fast, FREE delivery, exclusive deals and award-winning movies & TV shows with Prime

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## Professional tablet press with standard shallow arc angle



Roll over image to zoom in



## LIZIWEI 6MM Manual Tablet Press Machine, DIY Milk Tablet Pill Sugar Slice Self-Made Machine, Home Kitchen Press Tool Device, Silver

Brand: LIZIWEI

\$57<sup>44</sup>✓ **Save 5% at checkout.** [Details](#) ▾

- ▶ Small size and light weight, convenient to carry without power supply.
- ▶ The operation is simple and versatile. Used in the small quantity production of formula tablets, granulation.
- ▶ It can be used as a special tool for sample preparation tables in research laboratories of all walks of life.
- ▶ It is an ideal choice for families and laboratories, easy to disassemble.
- ▶ After-sales service: If you have any questions,

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Qty: 1 ▾

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Ships from YYBKZDQ

Sold by YYBKZDQ

Return policy: [Eligible for Return, Refund or Replacement.](#)[Add to List](#)

Thursday, March 10, 2022



CAPSULE-IT, Empty Capsules, Turmeric...

SEARCH



Capsule Filling Machines

Empty Capsules

Herbs & Spices

Supplements



## CAP-M-QUIK Complete Gelatin Kit

★★★★★ 228 reviews

**\$59.95**

SIZE

SIZE 000 (LARGEST) ✓

SIZE 00

SIZE 0

SIZE 1

SIZE 2

SIZE 3

SIZE 4 (SMALLEST)

[Capsule Size Chart](#)

−

1

+

**\$41.95 - ADD TO CART**



How can we help?

SHIPS SAME DAY IF ORDERED BEFORE 12PM CST M-F

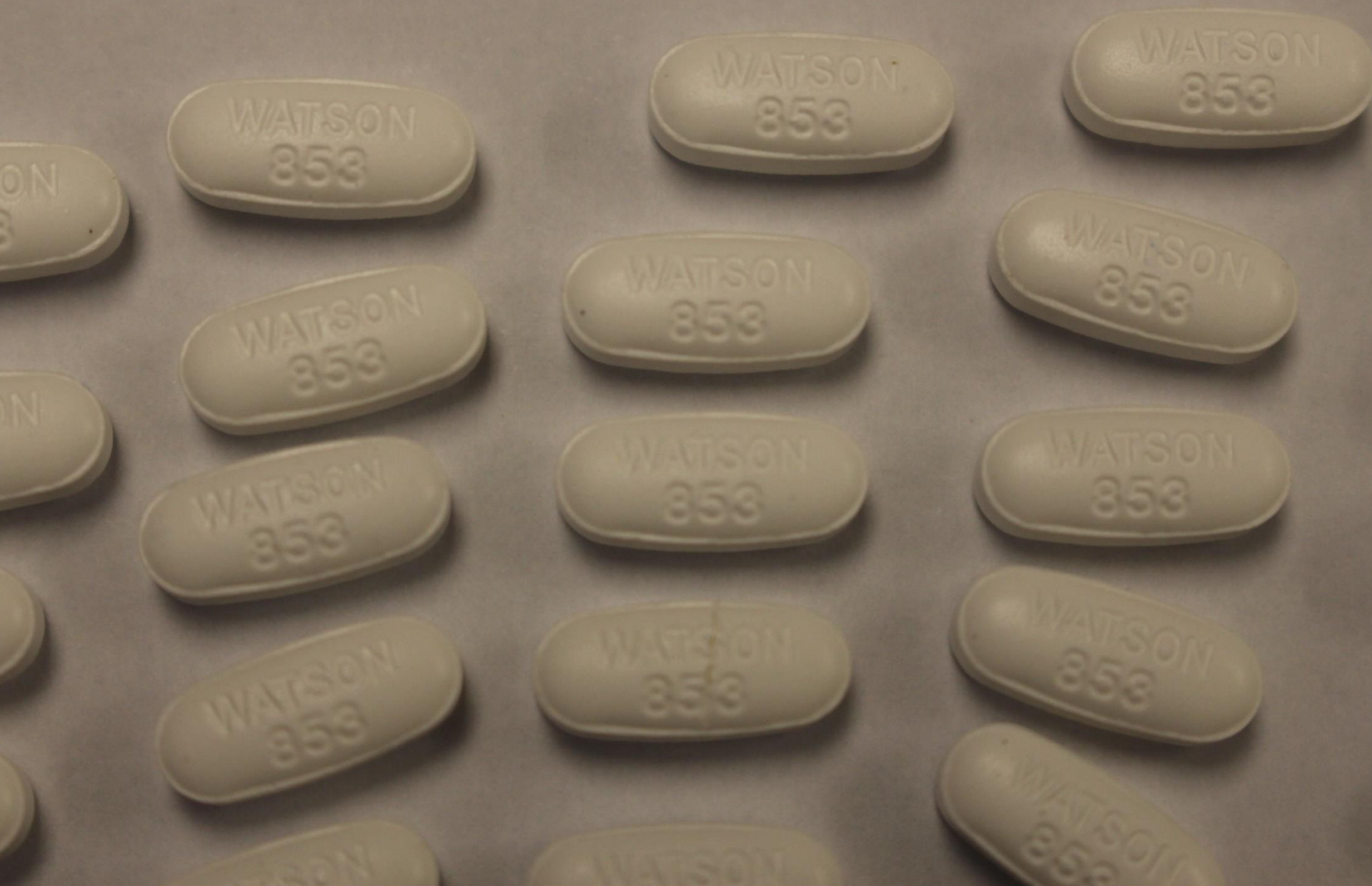






















MDMA

4-1-1-1



MDMA

4-1-1-2



Meth

4-1-1-3



Meth

4-1-1-4



fentanyl/

4-1-1-5-1



fentanyl/

4-1-1-5-2



fentanyl/

4-1-1-5-3



fentanyl/

4-1-1-5-4



tramadol/

4-1-1-8



















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LONG-LIFE FORMULATION

**COMPATIBLE WITH ALL COOLANT COLORS**



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MAY CAUSE EYE AND  
SKIN IRRITATION.  
Read carefully precautions  
on back panel.



ONE U.S. GAL. • 3.78 L

LBANT10P



Item # 5-071-5  
CASH 5-071-5

# GLYCERINE 99%

Technical Grade LOT# GLY-061316-A-1

Potential Health Effects

Eyes:  
May cause eye irritation.  
Inhalation:  
May be harmful if inhaled. May cause respiratory tract irritation.  
Skin:  
May be harmful if absorbed through skin. May cause skin irritation.  
Ingestion:  
May be harmful if swallowed.

General:  
Follow applicable Federal, State, and local regulations.



For Chemical Emergencies call  
InfoTrac 24 hours a day 7 days a week 1-800-535-5053

KEEP OUT OF REACH OF CHILDREN  
Wear gloves and proper clothing

5 Gallons

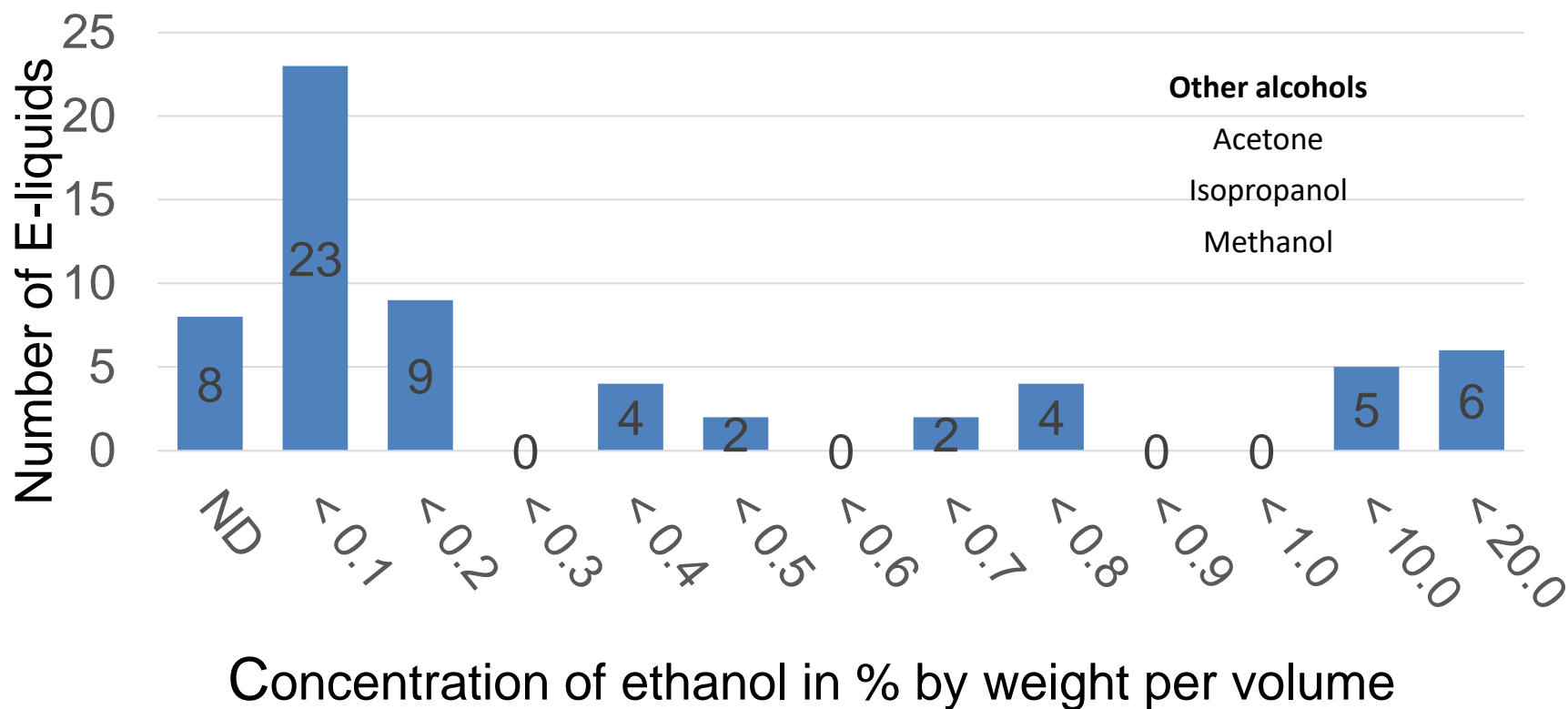








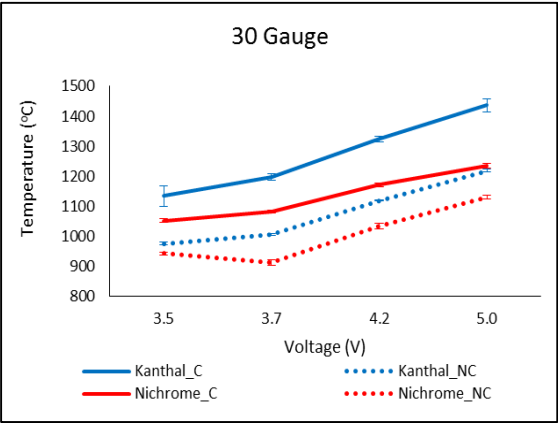
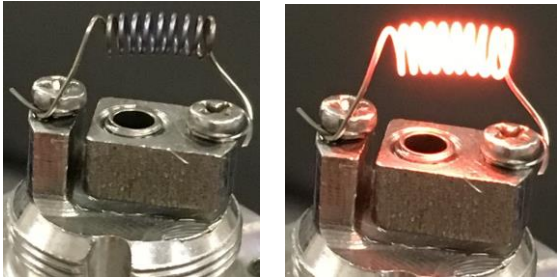
## Alcohol in E-Liquids



E-Cigarette Deterioration?

Kanthal A-1 Wire Composition					
C	Si	Mn	Cr	Al	Fe
0.08%	0.70%	0.40%	23.5%	5.80%	68.32%

Nichrome Wire Composition		
Fe	Ni	Cr
24%	60%	16%



Peace, et.al. Preparing for publication

## E-Cigarette Deterioration?

Kanthal Wire.

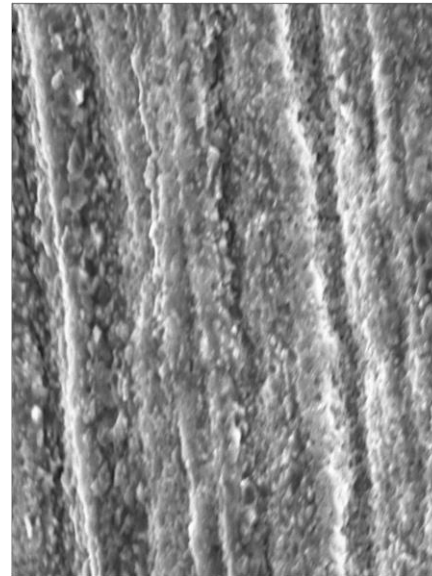
All pictures taken at 2000x magnification



New



1 Burn



50 Burns



150 Burns

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ton, Canada checked out with  
butyrolactone 1L )



# GHB

*"Liquid Ecstasy"*



## Main Features



- 1 . Smart design, completely fit for JUUL device.
- 2 . Refillable pod, can be filled 3 times.
- 3 . Leaking proof design, bring you a better experience!
- 4 . 100% Japanese Organic cotton wick, compatibility with vairous eliquds.





# Marijuana v. hemp

AKA- the commercialization of THC  
and CBD (and any of the other 104  
phytocannabinoids)

# NatuR

BETTER LIVING THROUGH CANNABIS

## CBD & YOU

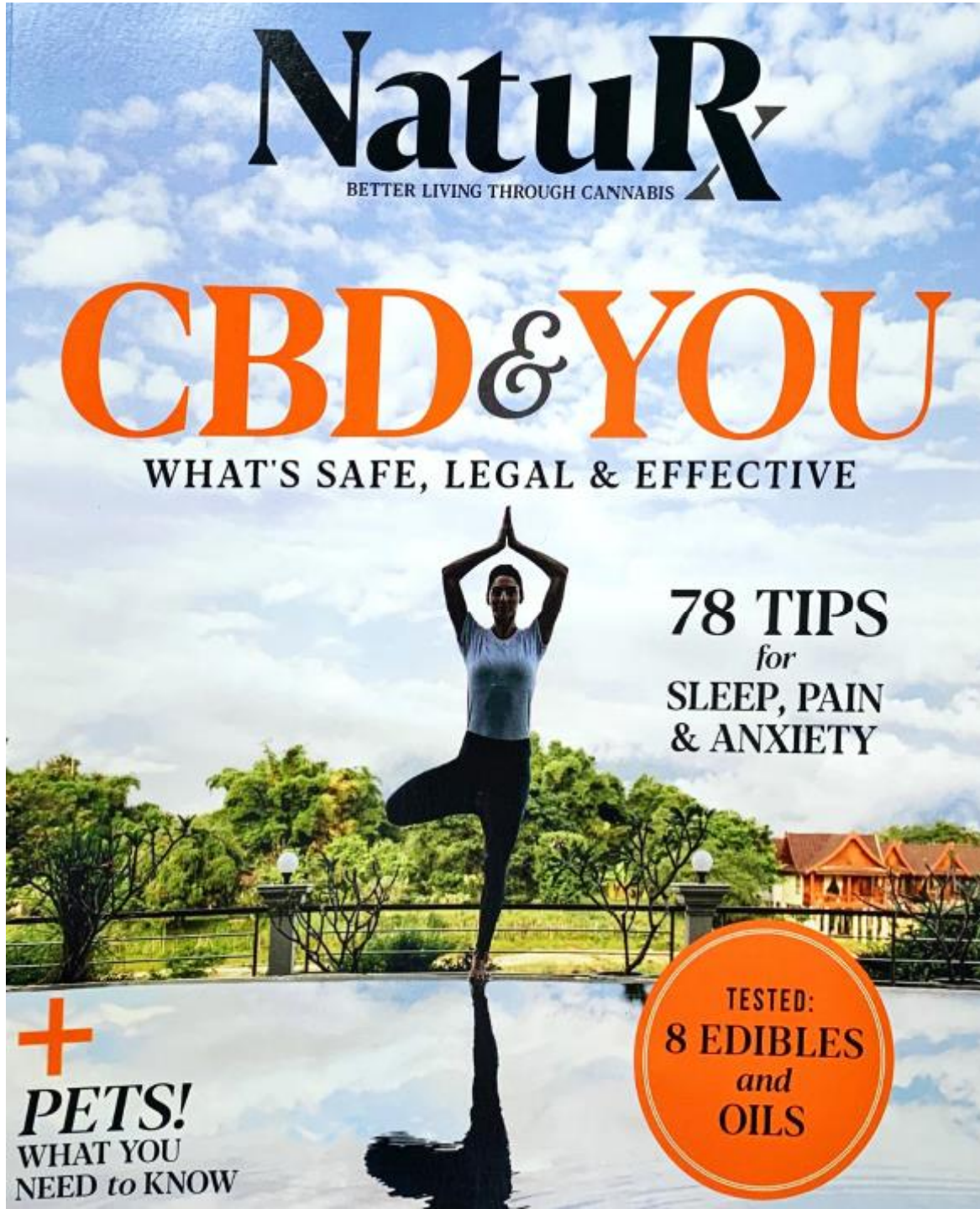
WHAT'S SAFE, LEGAL & EFFECTIVE

**78 TIPS**  
*for*  
**SLEEP, PAIN  
& ANXIETY**



**PETS!**  
WHAT YOU  
NEED to KNOW

TESTED:  
**8 EDIBLES  
and  
OILS**



## I Wore a CBD-Infused Jog Bra But Did It Make Me Stronger, Faster, Or Less Sore?

By Dayna Macy

I love my CBD. It's my new go-to solution for my various aches and pains. I've swallowed CBD-infused chocolate, I've taken CBD oil under my tongue, and I've slathered it as a cream over my sore limbs.

But wear it? Not until now.

Acabada ProActiveWear claims to be the "world's first CBD-infused activewear," and I gladly took its offerings out for a trial run. I was by far the hippest-clad human in my Pilates class. My pricey white and black sports bra was well-made with a minimalist industrial chic vibe. I paired it with matching motorcycle-inspired black and white leggings, and felt like the cool girl—which was good, because the day was hot and the class was hotter.

An hour of intense upper body work and deep core routines finished off with many, many lunges left me sweaty and beat. With the exception of one eye-popping cleavage spillover (my issue, not the bra's), the clothes worked great, looked great, and felt great. For \$285, I'd expect no less.

But I was still achy and sore.

kept the outfit on and went about the rest of my day.

CBD, the current darling of the wellness marketing world, is one of many chemical compounds called cannabinoids found in cannabis plants. CBD, or cannabidiol, is non-intoxicating—unlike THC. CBD is said to offer pain relief, reduce inflammation, anxiety and depression, and combat nausea.

Yes, the industry is booming. You can find CBD in oils, tinctures, and vape cartridges, in lotions, and in many edible and drinkable forms from water and sodas to cookies and cereals. It's everywhere! It's also unregulated. You don't always know what you're buying, and some claims are dubious at best.

I called Tess Schoenbart, RN, BSEd, and president of the Rossmoor Medical Marijuana Club in Walnut Creek, CA, who has helped educate thousands of people on cannabis. When I asked her about the efficacy of wearing CBD clothing, she reacted with a few moments of polite silence. Then she burst out laughing. "How is it supposed to do anything?" she wondered.

She explained that there are basically three ways CBD can enter the body: via inhalation, ingestion, and topically. Of these three, she says, inhalation works the quickest while ingestion lasts the longest.

**CBD enters the body in three ways: inhalation, ingestion, or absorption. You can't smoke a bra.**

Absorption through the skin is the least effective delivery method (except directly over bone or via a transdermal patch), and even the best salves, she says, can "only be absorbed through the top three layers of the skin." As for wearing it, "I can't figure out any medically valid way the body would absorb enough to give any symptom relief."

She noted that the company does not say where the CBD is sourced or how it's processed. And she frowned on their use of a CBD isolate. "By far the most effective way to take CBD is full-spectrum, which includes terpenes and the entire array of cannabinoids."

"It's the Wild West out there," she said before hanging up.

I reached out to Acabada a few times for comment. No one replied.

**Two more hours passed.** Nada. A cannabinoid void. The bra looked cool, but my calves, quads, traps, and other muscles still ached. I reached for my usual full-spectrum CBD sublingual oil and put a drop-perful under my tongue, and relief was on its way.



PHOTO BY ANDREW BRIDGMAN





tasted/tested

## **A Matter of Life and Breath**

### **Is your vape pen legit? Or a health hazard?**

By Lisa Turner

Vape pens once seemed like the perfect solution for many cannabis consumers—they're discreet, portable and convenient, and offer an efficient way to get the most out of a cannabis concentrate. But as their popularity increases—sales grew by a staggering 69% in 2018—so do black market versions. Some estimates say as many as 80% of

nation of marijuana as a controlled substance have fueled this black-market industry. Even in states where weed is legal, people still buy black-market vapes to avoid the high taxes that jack up the prices of retail pot.

But unlike your faux Prada bag, bogus cannabis products can be dangerous—even fatal. As of mid-October, 40

facility, to investigate 18 different THC cartridges from both legal dispensaries and unlicensed dealers. The results were disturbing: only the three purchased from legal dispensaries were safe. Of the remaining 15 samples, 13 contained vitamin E acetate, used to dilute and thicken vape oil—a toxic substance when inhaled that can cause severe lung damage. All of the black-market cartridges contained myclobutanol, a pesticide that converts to hydrogen cyanide when burned. Another study, commissioned by the Associated Press and conducted by Oregon's Flora Research Laboratories, found illegal—and

### **VAPE SAFE!**

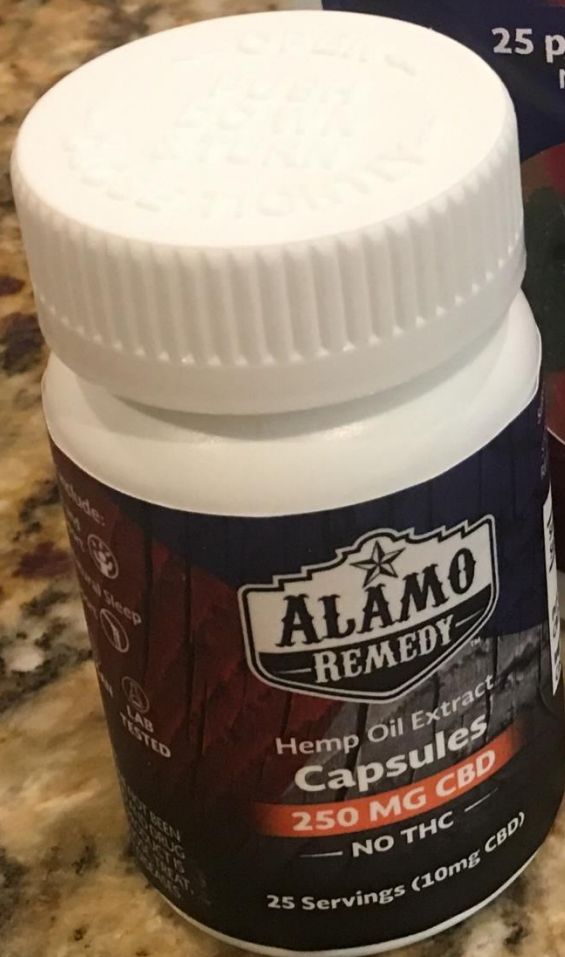
- Be sure your vape pen is properly labeled, including manufacturer's info, manufacturing and packaging date, batch and lot number.
- Some brands also include QR codes, so you can scan for info on ingredients, testing, product tracking and more. But beware: QR codes and websites can be faked, so the presence of a QR code alone isn't a guarantee. High-tech solutions like StrainSecure verification, which creates a secure record of a product's origins, and Solo\*CODE, which offers an authentication system for cannabis brands with uniquely encoded labels, help confirm a product's













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[SALE](#) [LIVE RESIN](#) [CBD](#) [DELTA 8](#) [DELTA 9](#) [DELTA 10](#) [THC-O](#) [HHC-P](#) [THC-P](#) [THC-B](#) [ABOUT](#) [WHOLESALE](#)

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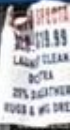




**DONUTS**



**Cypress CLEANERS**





OPEN

# CBD, a precursor of THC in e-cigarettes

Zsuzsanna Czégény<sup>1</sup>, Gréta Nagy<sup>1</sup>, Bence Babinszki<sup>1</sup>, Ákos Bajtel<sup>2</sup>, Zoltán Sebestyén<sup>1</sup>,  
Tivadar Kiss<sup>2</sup>, Boglárka Csupor-Löffler<sup>3</sup>, Barbara Tóth<sup>2</sup> & Dezső Csupor<sup>2,3✉</sup>

The use of cannabidiol (CBD) in electronic cigarettes is widespread. Previously, it was reported that CBD is partly transformed to THC in case smoking as a cigarette, however, the pyrolysis of this compound has not been assessed extensively. The aim of our study was to investigate the effect of temperature on the composition of pyrolysis products of CBD. The experiments were performed in the typical operating temperature range of e-cigarettes (250–400 °C) and at 500 °C under both inert and oxidative conditions, and the pyrolysis products were identified and quantified by GC–MS. Depending on the temperature and atmosphere, 25–52% of CBD was transformed into other chemical substances:  $\Delta^9$ -THC,  $\Delta^8$ -THC, cannabinol and cannabichromene were the predominant pyrolysates in both conditions, all formed by cyclization reaction. THC was the main pyrolysis product at all temperatures under both oxidative and inert conditions. Our results point out that CBD in e-cigarettes can be considered as a precursor of THC, thus it bears all the dangers related to this psychoactive compound. Our findings are fundamental contributions to the safety profile of CBD-based e-cigarettes.

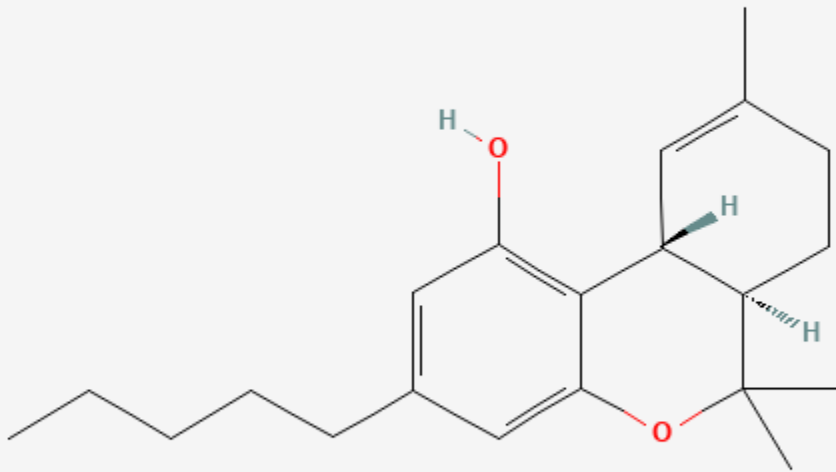
**SEC. 297A. DEFINITIONS.**

“In this subtitle:

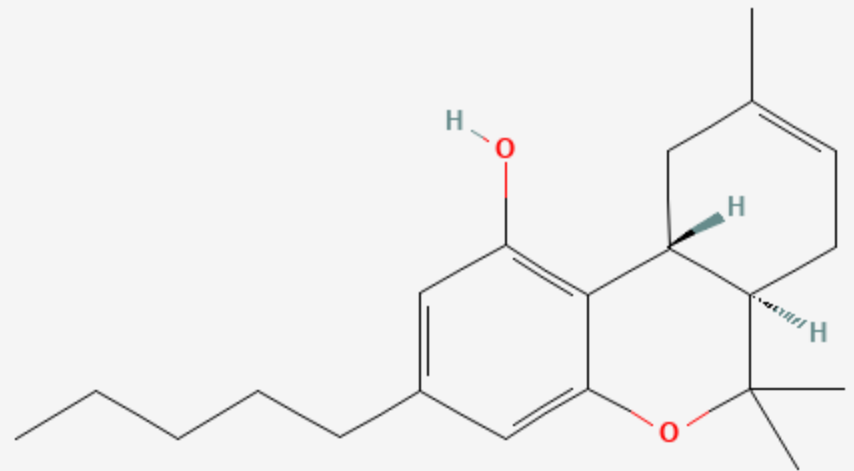
“(1) HEMP.—The term ‘hemp’ means the plant *Cannabis sativa* L. and any part of that plant, including the seeds thereof and all derivatives, extracts, cannabinoids, isomers, acids, salts, and salts of isomers, whether growing or not, with a delta-9 tetrahydrocannabinol concentration of not more than 0.3 percent on a dry weight basis.



# What is this delta8 thing?



Delta 9- THC



Delta 8- THC

# I am not smart enough to answer this

HSC definition of "Marihuana" means the plant *Cannabis sativa* L., whether growing or not, the seeds of that plant, and every compound, manufacture, salt, derivative, mixture, or preparation of that plant or its seeds. The term does not include:

- (A) the resin extracted from a part of the plant or a compound, manufacture, salt, derivative, mixture, or preparation of the resin;
- (B) the mature stalks of the plant or fiber produced from the stalks;
- (C) oil or cake made from the seeds of the plant;
- (D) a compound, manufacture, salt, derivative, mixture, or preparation of the mature stalks, fiber, oil, or cake;
- (E) the sterilized seeds of the plant that are incapable of beginning germination; or
- (F) hemp, as that term is defined by Section 121.001, Agriculture Code.

# Still too dumb. . .

HSC definition of (5) "Controlled substance" means a substance, including a drug, an adulterant, and a dilutant, listed in Schedules I through V or Penalty Group 1, 1-A, 2, 2-A, 3, or 4. The term includes the aggregate weight of any mixture, solution, or other substance containing a controlled substance. The term does not include hemp, as defined by Section 121.001, Agriculture Code, or the tetrahydrocannabinols in hemp.

# Yeah, too dumb to know.

HSC Sec. 481.103. PENALTY GROUP 2.a.(1) Tetrahydrocannabinols, other than marihuana, and synthetic equivalents of the substances contained in the plant, or in the resinous extractives of Cannabis, or synthetic substances, derivatives, and their isomers with similar chemical structure and pharmacological activity such as:

- delta-1 cis or trans tetrahydrocannabinol, and their optical isomers;
- delta-6 cis or trans tetrahydrocannabinol, and their optical isomers;
- delta-3, 4 cis or trans tetrahydrocannabinol, and its optical isomers; or compounds of these structures, regardless of numerical designation of atomic positions, since nomenclature of these substances is not internationally standardized;

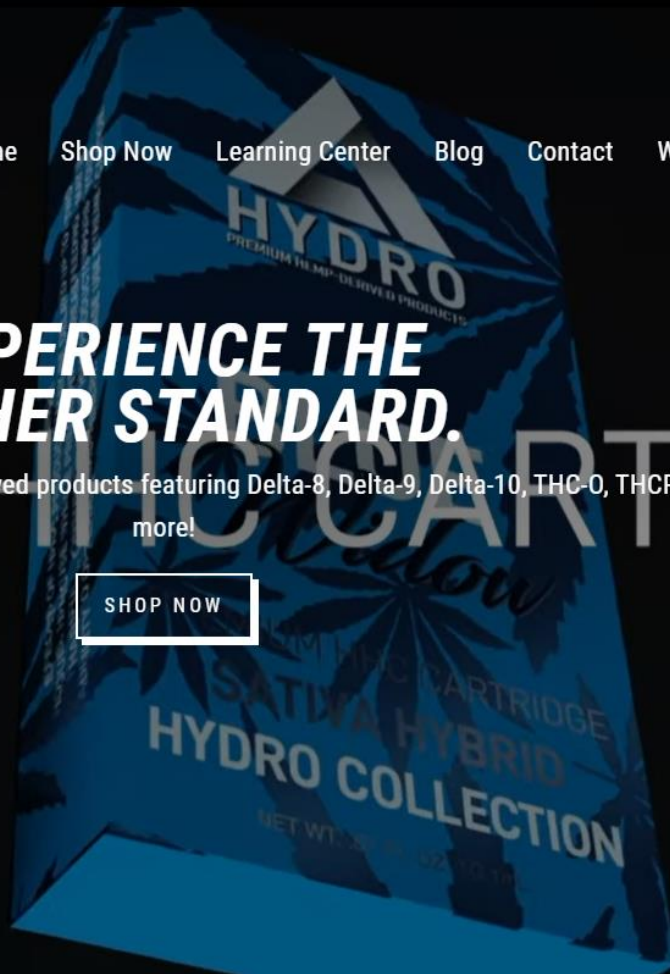


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## Learn About Hemp Derived THC



[Delta-8 THC Allows You To Focus on What Matters Most](#)

February 25, 2022



[Our Two New Delta 8 THC Cartridge Flavors](#)

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[Delta Extrax Merchandise Has Arrived](#)

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[Read More](#)

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---

### ***DELTA EXTRAX CUSTOMERS***

No worries, we're still shipping your favorite Delta products! We understand there may be some confusion during this time, but we are happy to announce that we are still shipping your favorite products directly to your door! Please see the list below for the states that we are unable to ship to.

### ***TEXAS DELTA-8 UPDATE - A MESSAGE TO OUR DELTA EXTRAX CUSTOMERS***

Big news! The Delta-8 Texas Injunction has been granted! This means we are still able to sell & ship to Texas and customers can continue to purchase their Delta-8.

### ***COVID-19 UPDATE: A MESSAGE TO OUR DELTA EXTRAX CUSTOMERS***

Our top priority is the health and safety of our employees and customers. As we completely redesigned our production and fulfillment



# Decoding Social Media Drug Culture

Leandra Henderson



# AGENDA



- What is Social Media
- Top Apps for Teens
- Social Media Influence on Teens
- Social Media Trends
- Emoji Decoding
- Game Time!
- Questions/Comments



# What is Social Media?

**Social media is a collective term for websites and applications that focus on communication, community-based input, interaction, content-sharing and collaboration.**

# Popular Social Media Apps used by Teens

- TikTok
- Instagram
- Snapchat
- Facebook
- Twitter
- Discord
- Telegram
- MeetUp
- WhatsApp
- BigoLive
- Yubo
- Ask.fm
- WeChat



- Xbox
- PlayStation
- Oculus
- Fortnite
- Roblox
- IMVU
- YouTube
- Linktree
- Eventbrite

# What impacts social media trends?

- Location/Region plays a factor in trends
- Phone and emoji updates
- Current events can cause a shift in drug trends
- Law Enforcement getting hip to current trends
- Paid Content
- Consumer engagement has scaled up (Being active on pages)
- Verified accounts (Blue checkmarks)
- New or re-emerging Product
- Influencers
- Gen Z – Trend Deciders
- Demographics plays a role
  - Age
  - Race
  - Gender
  - Sexuality



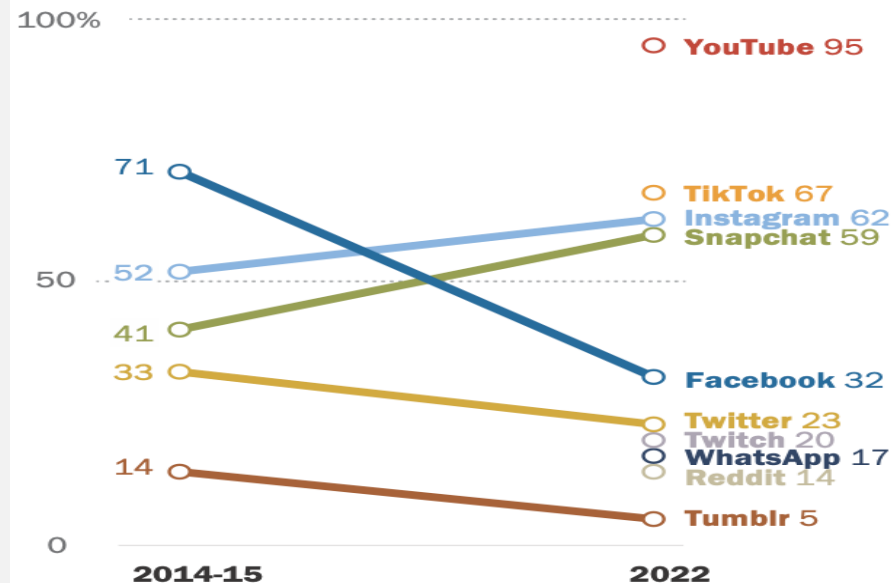
# Social Media in Today's World

- Facebook – 2 billion monthly users
- YouTube – 1.5 billion monthly users
- Instagram – 700 million monthly users
- Twitter – 328 million monthly users
- WhatsApp – 1.2 billion monthly users
- Snapchat – approximately 255 million monthly users
- Facebook Messenger – 1.2 billion monthly users
- WeChat – 889 million monthly users
- TikTok – 65 million monthly users
- Seven in ten Americans (or 69 percent of the population) use social media.
- Engagement on these platforms is even higher among teens and young adults with only two percent of 13 to 33-year-olds **NOT** actively using any social media platform at all.

That means **98 percent of teens and young adults are engaged with at least one social media platform today.**

## Since 2014-15, TikTok has arisen; Facebook usage has dropped; Instagram, Snapchat have grown

*% of U.S. teens who say they ever use any of the following apps or sites*



Note: Teens refer to those ages 13 to 17. Those who did not give an answer are not shown. The 2014-15 survey did not ask about YouTube, WhatsApp, Twitch and Reddit. TikTok debuted globally in 2018.

Source: Survey conducted April 14-May 4, 2022.

"Teens, Social Media and Technology 2022"

PEW RESEARCH CENTER

# Top Apps used for Illegal Sales



- Most used app for young audience
- Reels feature – reach more people
- Ability to use hashtags
- Less strict (enforced) community guidelines
- Close friends feature in stories



- Disappearing Stories
- Disappearing chats
- Informs user if screenshot if taken
- Geofilter shares location
- Can see who watches your story



**Telegram**

- Photos turn black if screenshot is taken
- Self-destructing chat
- Groups of 5000 people in a chat
- Secret chats
- Voice, Video and Live Streaming



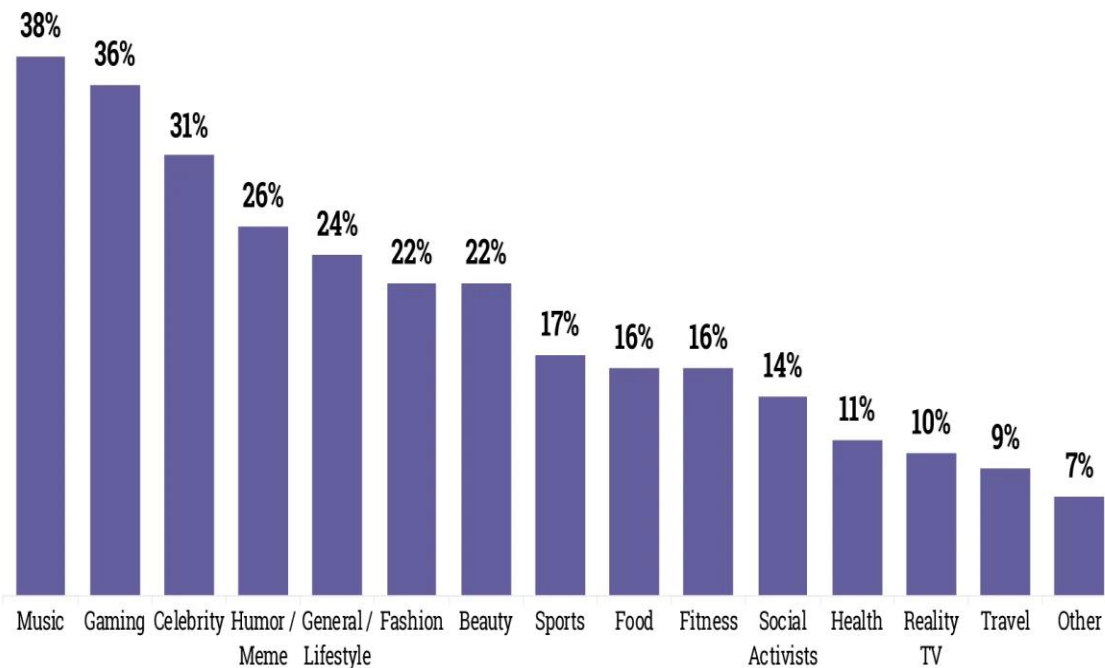
- Larger platform
- Private Groups
- Instant Messaging

# Social Media Influence

- Through the use of social media advertising, ATOD industries can market to youth, despite the fact that direct marketing to minors is against the law.
- Teens have access to marketing strategies that don't count as ads – THE LIKE FEATURE and algorithms.
- Teen boys are more likely than teen girls use YouTube, Twitch and Reddit, whereas teen girls are more likely to use TikTok, Instagram and Snapchat.
- Influencer marketing was considered as the most widespread and trendiest' communication strategy used by companies.
- 70% teens say they trust influencers more than regular celebrities.

## Types of Influencers Followed by US Teens

% of US teens who follow each type of influencer

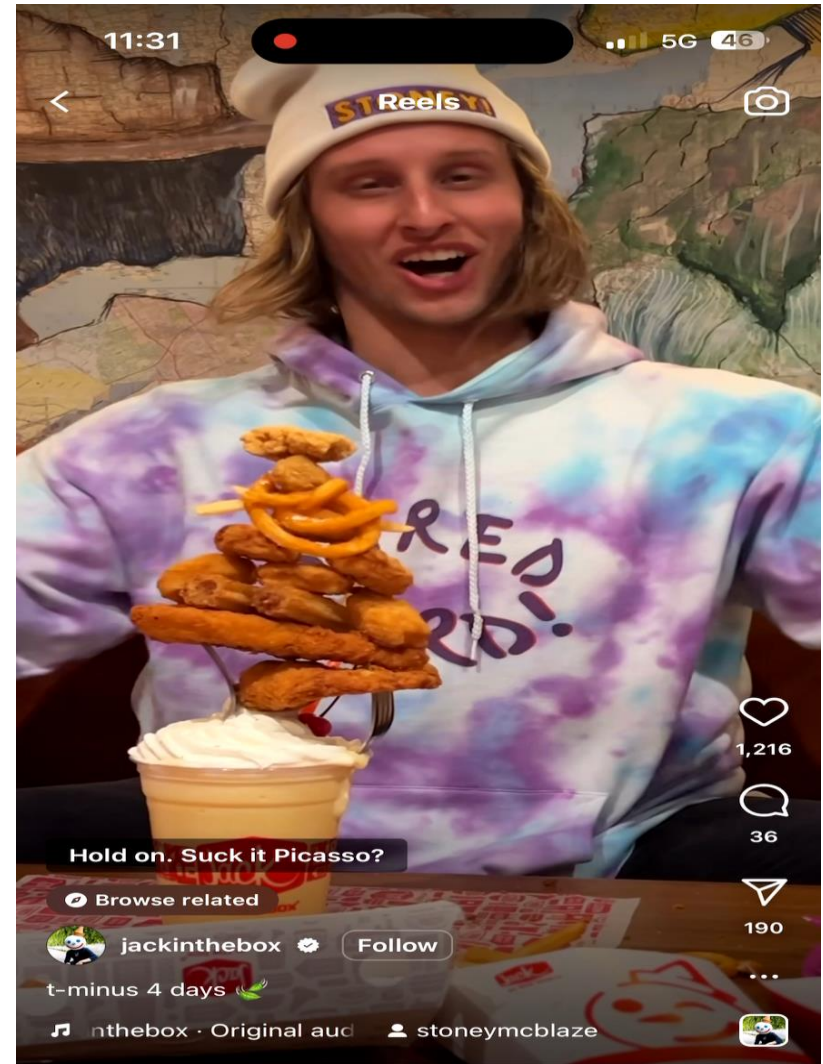


Published on MarketingCharts.com in December 2021 | Data Source: YouGov

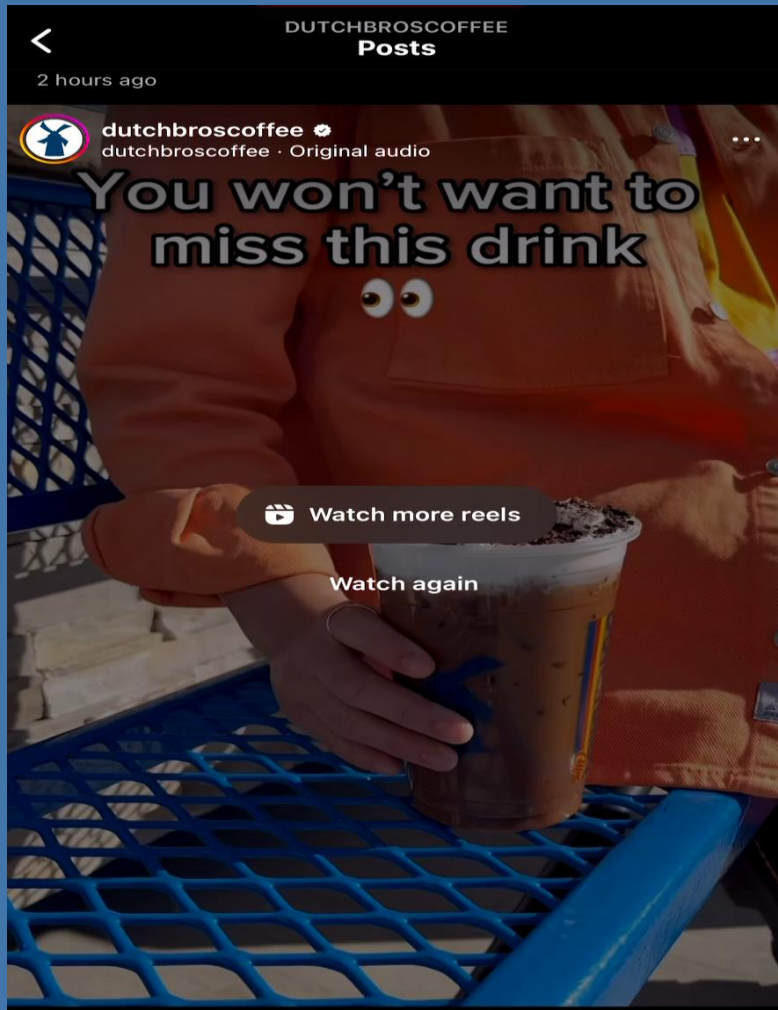
Based on YouGov Teen Profiles data in the US

# Social Media Advertisements

Companies are no longer using traditional methods of advertising. They are using influencers, celebrities, and brands that teens like to create content and push their agenda on social media.









# The Relationship between Drugs and Media

The danger with social media is....the incomplete picture it delivers!

- Social media gives teens a false perspective on other's lives as well as the activities they are participating in.
- Pressure to want to "fit in" and join the fun...seeing everyone drinking and having a good time might make that person want to start using.
- 75% of teens ages 12-17 reported that seeing their peers using drugs or alcohol enticed them to mimic the behavior.
- Nearly half of all teens who have seen pictures of peers drinking perceived that the kids in the photos "are having a good time."
- Many digital ads use celebrities, music industry personnel, and attractive young models to promote their products – all of which have been shown to be effective marketing strategies among children and teens.
- Social media normalizes drug and alcohol abuse. It's all too easy to view images of friends and family members using drugs or alcohol, making it seem like a more common and accepted behavior than it actually is.
- Social media glamorizes drug and alcohol abuse. I.E. - attractive images and videos of public figures and celebrities using substances on social media.
- Compared to teens who have never seen pictures of other teens abusing drugs or alcohol on social media, those who did are:
  - 3 times likely to use alcohol
  - 4 times likelier to be able to get and use marijuana
  - 3 times likelier to be able to get prescription drugs without a prescription
  - and more than twice as likely to be able to get alcohol in a day or less



# Of the one in four children who have seen drugs for sale on social media:

**63%**  
have seen  
cannabis advertised

**26%**  
have seen  
cocaine advertised

**24%**  
have seen  
MDMA/ecstasy  
advertised

**20%**  
have seen  
Xanax for sale

**17%**  
have seen  
nitrous oxide

**16%**  
have seen  
codeine/lean





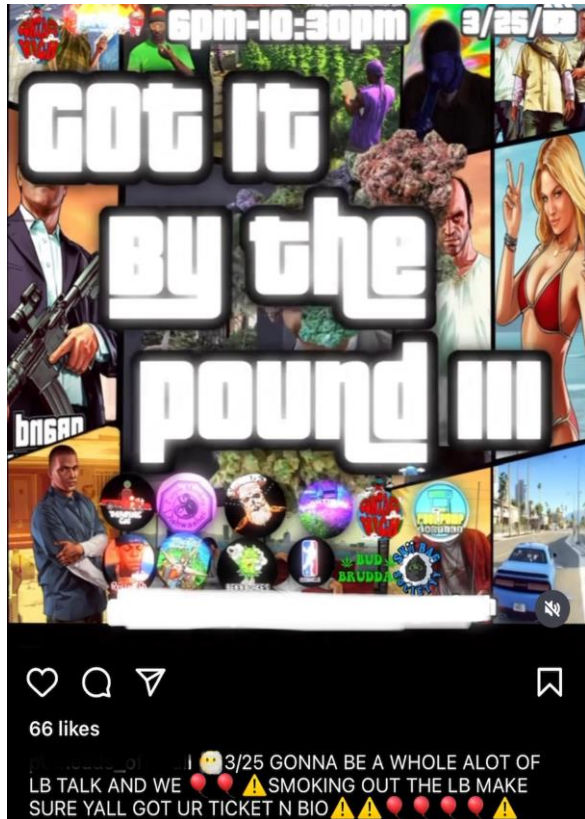
# SOCIAL MEDIA TRENDS



**Current trends that make it easy for  
teens to obtain DRUGS!**



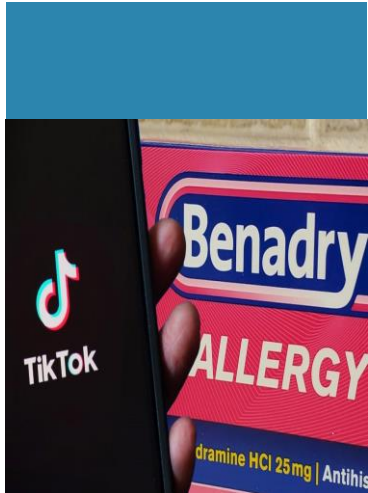
# New Trend Alert!! Pop Up Shops







# Tik Tok Challenges



## Benadryl Challenge

- Teens were taking 10x recommended dosage
- Easily accessible in home
- Hallucinogenic effects
- Dependency can occur



## Vaping Tricks

- Vaping videos are dominated by pro-vaping videos - tricks, ads, customization, and trends.
- Vaping tricks have higher user engagement
- Among 417 vaping-related TikTok videos, 387 (92.8%) were pro-vaping, and 30 (7.2%) were anti-vaping videos



## Nutmeg Challenge

- Easily accessible in home/store
- Hallucinogenic and psychological effects
- Severe drowsiness can occur
- Overconsuming with adverse effects



## TripTok/DrugsTok/Sniftok

- While this is not a challenge, it is a common hashtag used across TikTok – along with similar tags like #sniftok, #ket, and #pinging.
- 14 million searches for the hashtag #ket
- Promotes drug use. Teens can post here to go viral

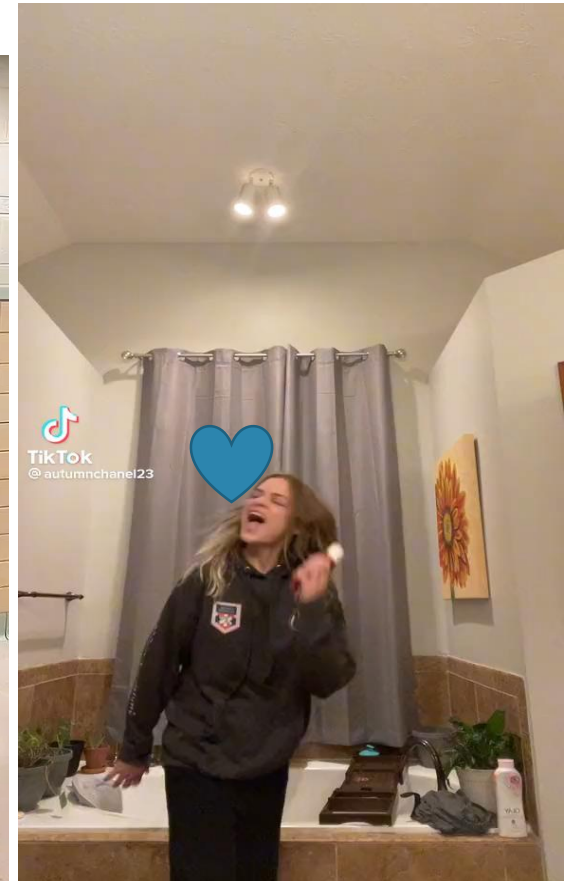


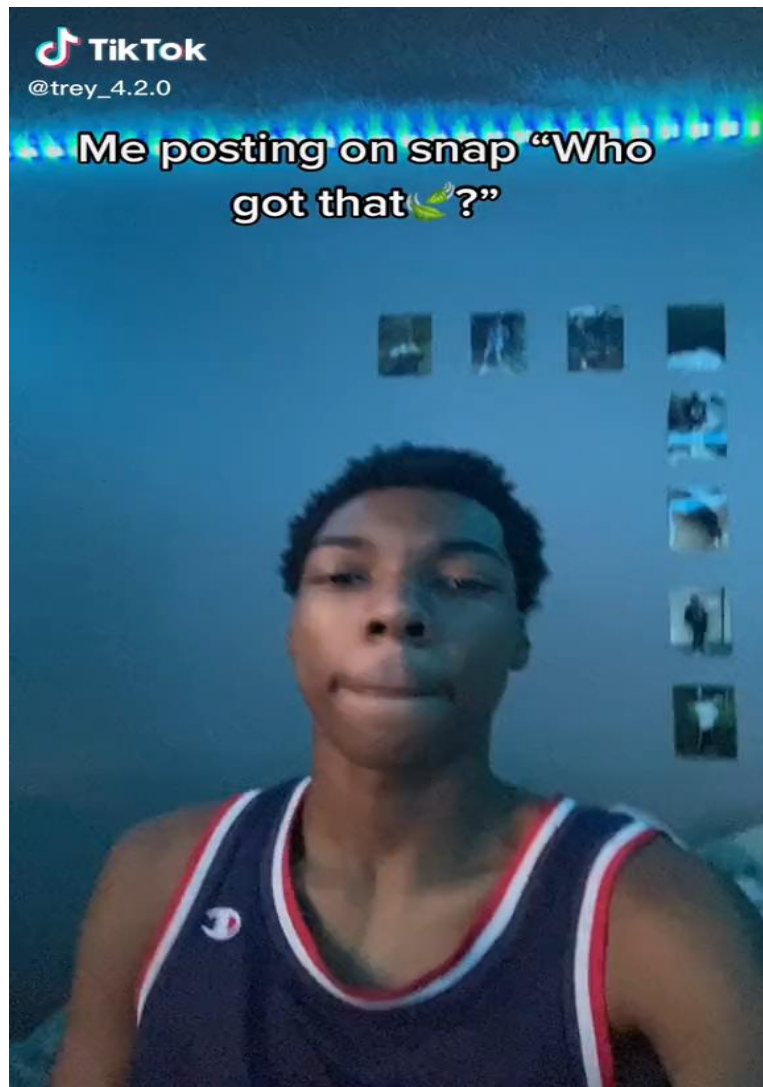
# Perky Dance

## Chorus:

Perc' 10, I just popped a Perc' 10  
Perc' 30, I just popped a Perc' 30,  
hmm

Perc' 60, I just popped two Perc' 30s  
Perky dance, make me do my perky  
dance





# Decoding Social Media Messages



# Think outside of the box!





# Most Common used Drug Emoji's

Gas/Bomb— Marijuana Top Quality



High, Lifted, Potency



Fire — Top Grade



Mushrooms



Drugs — Universal Symbol



Marijuana



Plug - Dealer



Pills/Drugs



# Most Common used Drug Emoji's

Batch – Large Quantity



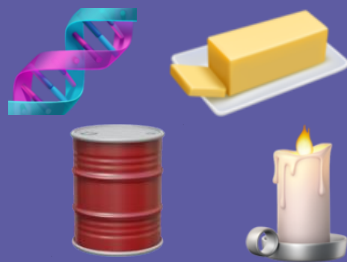
Smoke



Delivery/Pull Up



Wax/Shatter/Concentrates



Nothing For Sale



Blazed, Baked, High  
Faded, Stoned



Money



Edibles



# Codeine – Drank, Lean, Purp, Syrup (Sizzurp), Tuss



Grapes



Baby Bottle

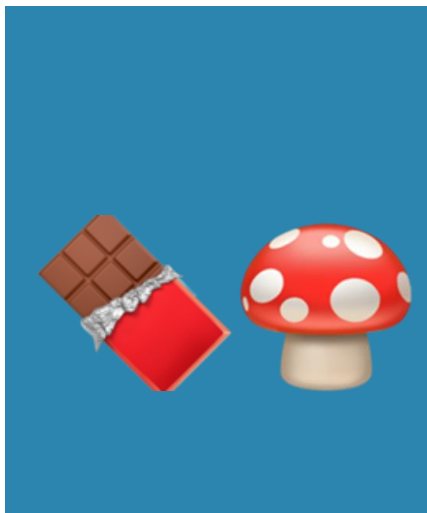


Purple Heart

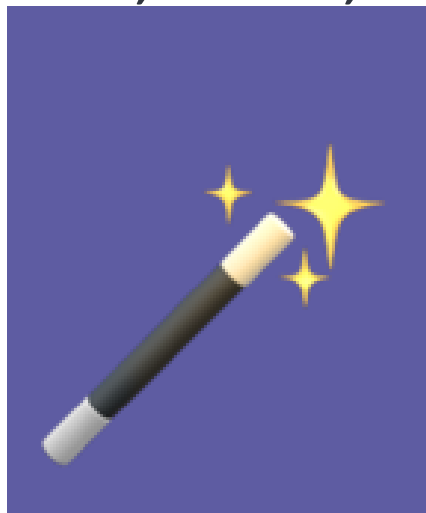


Double Cup

# Psychedelic Mushrooms – Alice, Buttons, Caps, Shrooms, Magic



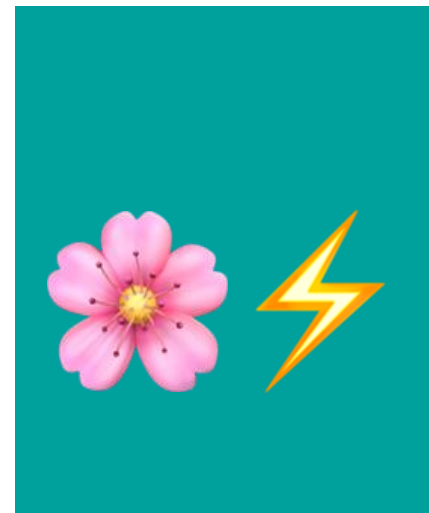
Chocolate Mushroom  
Bars



Magic Wand



Galaxy



Flower Trippin

Magic Mushrooms mixed  
with Ecstasy/MDMA



# Prescription Pills



Percocet/Oxycodone

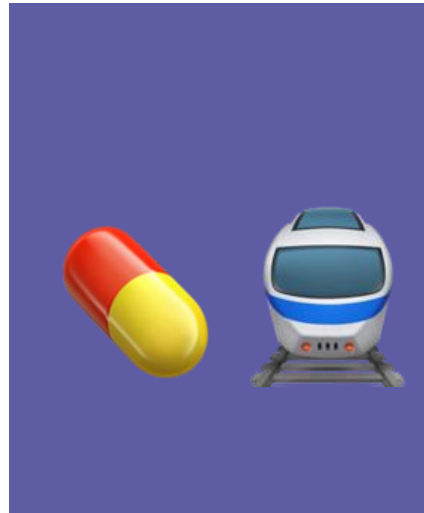
Perc

Perky

Ox/Oxy

No Buffers

Blue Dynamite



Adderall

Addy

A- Train

Smarties

Truck Drivers



Xanax

Bar(s)/Handlebars

Xannies/Zannies

Footballs

Handlebars

School Buses



MDMA/Ecstasy

X

Skittles

Molly

Beans

# Cocaine

Coke, Powder, Snow, Flake, Nose Candy, Zip, White, Blow



Coconut – “Coc”



Snowman



Sneezing



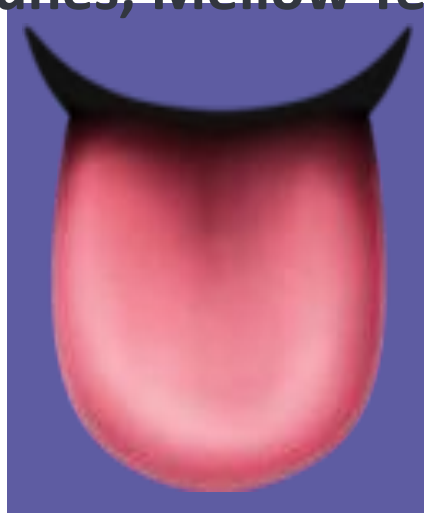
Snowflakes

# LSD/Acid

Looney Tunes, Mellow Yellow, Purple Haze, Cid



Alien



Tongue



Rainbow

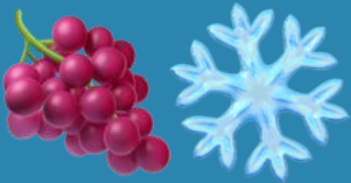


Shooting Star

## Marijuana –

Weed, Grass, Dro, Green, Loud, Zaza, Sesh, Mary, Exotic,  
Reggie, Ganja, Ouid

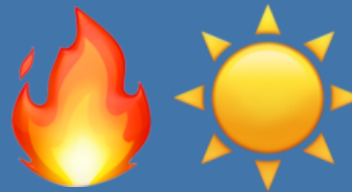
Runtz



Vape Cartridge =  
“Cart”



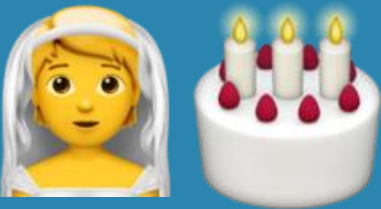
LA Kush



Peach Gelato



Wedding Cake



Excalibur



Cookies and Milk



Gorilla Glue





## Marijuana –

Weed, Grass, Dro, Green, Loud, Zaza, Sesh, Mary, Exotic,  
Reggie, Ganja, Ouid

Black Cherry



Mixed Gas Shake



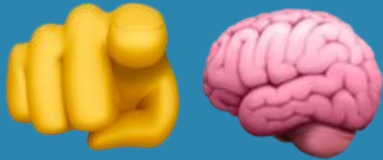
Purple Rain



Blue Dream



Jealousy



Ocean Water



Pineapple Express



Gary Payton



# Game Time!

The Kahoot! logo is displayed on a dark purple rectangular background. The word "Kahoot!" is written in a white, bold, sans-serif font. A large, light purple arrow points from the right towards the text.

**Kahoot!**

- Kahoot.it
- Enter Game Pin or Scan Code
- Choose Name
- Let's Play!

## Emojis Resources

<https://www.dea.gov/sites/default/files/2021-12/Emoji%3DDecoded.pdf>

<https://www.bark.us/blog/drug-slang-emojis/>

<https://www.verywellhealth.com/emoji-drug-code-educates-parents-about-drug-deals-/068968>

<https://www.nbc41.com/news/local-news/columbus/these-emojis-are-codes-for-drugs-ohio-public-safety-investigators-say/>

[https://publicsafety.ohio.gov/static/ohio\\_drug\\_emoji\\_bulletinFINAL.pdf](https://publicsafety.ohio.gov/static/ohio_drug_emoji_bulletinFINAL.pdf)

## R E S O U R C E S

## Marijuana Names/Education

<https://www.dea.gov/factsheets>

<https://www.leafly.com/>

<https://www.wikileaf.com/strains/>

<https://potguide.com/strain-profiles/>

<https://cannabis.net/strains>

<https://www.marijuana-guides.com/>

<https://www.healthline.com/health/beginners-guide-to-marijuana-strains>

<https://www.fungushead.com>

<https://drugabuse.com/addiction/list-street-names-drugs/>



# Thank You!

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Prevention Program Director

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# YOUTH SUBSTANCE USE CRISIS TRAINING

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**Leonard Marshall MA., LPC-S, LCDC**

- Supervisor of Substance Abuse Services
- Licensed Chemical Dependency Counselor
- Licensed Professional Counselor Supervisor
- Certified Drug Offender Instructor
- Certified DWI-Intervention Program Instructor
- Certified Alcohol Education Program for Minors

**Fort Bend County Juvenile Probation Department**

# OVERVIEW

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- Brief History of Drug Use
- Fort Bend Juvenile Justice Youth Population Trends
- Legal Ramifications
- Signs & Symptoms of Substance Use in Youth
- Stages of Addiction
- Stages of Change
- Fort Bend County Juvenile Probation Service Provided
- Networking in the Community/School

# TRENDS IN THE HISTORY OF DRUG USE/ABUSE

## Stone Age:

- **Stone Age pots – natural fermentation**
- **Common use of alcohol from beginning of history**
- **Prehistoric – berry mash – airborne yeast**
- **Euphoric effects = crude wine**



# 4000 YEARS AGO

- **Sumerians – opium – plant of joy  
Greece and Cyprus, religious  
rituals–opium**
- **2737 BC – Chinese knew of  
marijuana and its medicinal effects  
and its hallucinogenic effects**
- **Ancient Greeks, Romans used  
poppy capsules to cure ailments**
- **Old Testament talks of wine – story  
of Noah.**





# 800 YEARS AGO



- **Aztecs, Mexican Indians –  
peyote, MJ and mescaline  
– religious rituals**
- **South American – Incas –  
coca plant**

# NORTH AMERICA, 1700-1900S

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- George Washington & hemp
- Patent Medicines with opium – sold in grocery stores – traveling shows
- Heroin could be ordered from catalogues and was marketed by Bayer
- “Soldier’s Disease” – morphine
- “Laughing gas” in 1800s
- Hypodermic needle & pure cocaine
- Opium smoking by 1875, epidemic
- 1884, purified cocaine – Coca-Cola
- Narcotics used by mothers
- Sears – injecting kits - \$1.50

## 1920s-1950s



- Smoking cannabis—came from Mexico and South America
- Marijuana use increased, cocaine decreased
- MJ and musicians and artists
- WW II amphetamines for soldiers and pilots
- Amphetamine as treatment for narcolepsy, weight, and hyperactivity
- 1943 LSD – Dr. Albert Hoffman

# 1960s, 1970s, 1980s

- Speed and motorcycle gangs
- MJ and LSD
- Vietnam War and heroin
- Cocaine – “Miami Vice”
- Valium and tranquilizers
- Designer Drugs, Ecstasy
- Crack in late 1980s





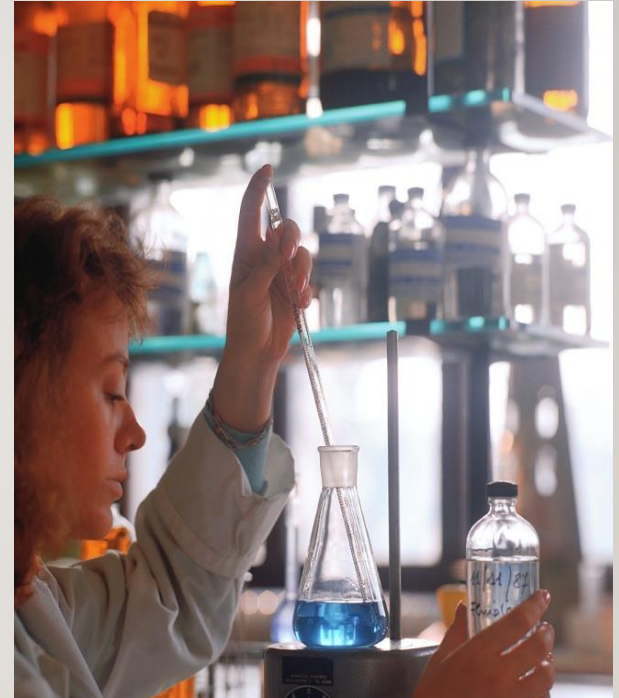
# 1990S



- Powdered meth starts to spread from Pacific coast
- Crack peaks in mid 1990s
- Ice comes in from Hawaii
- In Texas, marijuana is most used illicit drug
- Cocaine is #1 in drug treatment admissions
- Alcohol is #1 over-all
- Vicodin frequently abused
- Rohypnol, GHB, club drugs.
- Blunt cigars in Texas in 1993 changed patterns of use of marijuana

- **Cocaine remains a problem**
- **OxyContin (Hillbilly Heroin)**
- **Codeine cough syrup and rap music**
- **Methamphetamine scene is changing because of limits on pseudoephedrine and production in Mexico**
- **Abuse of prescription drugs is on the rise—by young and old**
- **More potent marijuana and effects of smoking more in blunts cigars and bongs**
- **Ecstasy use is increasing and it has moved from Raves to the street**
- **Increasing problem with young heroin inhalers (“Cheese” heroin in Dallas but increases in inhaled heroin are statewide)**

# EARLY 2000



# 2000 – 2020s

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According to the Centers for Disease Control and Prevention (CDC)

1. The first wave began with increased prescribing of opioids in the 1990s, with overdose deaths involving prescription opioids (natural and semi-synthetic opioids and methadone) increasing since at least 1999<sup>3</sup>.
2. The second wave began in 2010, with rapid increases in overdose deaths involving heroin<sup>4</sup>.
3. The third wave began in 2013, with significant increases in overdose deaths involving synthetic opioids, particularly those involving illicitly manufactured fentanyl<sup>5,6,7</sup>. The market for illicitly manufactured fentanyl continues to change, and it can be found in combination with heroin, counterfeit pills, and cocaine.<sup>8</sup>
4. Nearly 75% of the 91,799 drug overdose deaths in 2020 involved an opioid
5. Pharmaceutical fentanyl is a synthetic opioid, approved for treating severe pain, typically advanced cancer pain.<sup>1</sup> It is 50 to 100 times more potent than morphine.
6. However, most recent cases of fentanyl-related harm, overdose, and death in the U.S. are linked to illegally made fentanyl.<sup>2</sup> It is sold through illegal drug markets for its heroin-like effect. It is often mixed with heroin and/or cocaine as a combination product
7. Rates of overdose deaths involving synthetic opioids increased over 56% from 2019 to 2020. The number of overdose deaths involving synthetic opioids in 2020 was more than 18 times the number in 2013. More than 56,000 people died from overdoses involving synthetic opioids in 2020. The number continued to accelerate during the COVID-19 pandemic

# RISING TRENDS

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## RISING CONCERNS

- Increase in vaping & marijuana
- Increase in family dysfunction
- Increased family violence
- Poor academic performance, skipping school
- Unhealthy peer relationships
- Increase in Mental Health Disorders (suicidal ideation, depression, anxiety)

## RISK & HEALTH EFFECTS OF USE

- Reduced school performance, life satisfaction, and impaired driving
- Increased heart rate, hallucinations, or mood swings
- Respiratory and mental health problems
- Cause decline in IQ of up to 8 points
- When smoked, marijuana deposits 5x more tar in the lungs than cigarettes



# LEGAL RAMIFICATIONS

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## MARIJUANA

- First & Second Offense: Possession of THC or marijuana is punishable offense by a fine up to \$100, or complete a substance abuse education program, It is also possible to lose driver license
- Third Offense: Fine up to \$250, court order substance abuse assessment, and complete any recommended treatment
- Several states passed laws allowing Marijuana for medical use
- Marijuana use is NOT legalized in Texas
- As of 2016 Marijuana remains a Schedule I substance under federal law
- STILL ILLEGAL to possess, use, buy, or sell marijuana according to federal government.

## VAPING

- Possession of a vape pen or e-cigarette used for inhaling tobacco products is a punishable offense by a fine up to \$100
- It is illegal in Texas for a person younger than 21 to possess, buy, consume, or accept cigarettes, e-cigarettes, or other tobacco or THC products
- It's a crime to falsely represent oneself to be 21 years of age or older to obtain substance
- Vaping on school property/premises, school-related or school-sanctioned activity on or off school property is a felony
- Use of e-cigarette or vape products is not allowed at before/after school programs, school premises, playground, transportation vehicles, and field trips.

# SIGNS & SYMPTOMS OF SUBSTANCE USE

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## USE-ABUSE

- Recurrent substance use resulting in problems in school or home
- Recurrent use in dangerous situations
- Recurrent substance related legal problems
- Continued use despite persistent or recurrent social and relationship problems caused or made worse by drug use.

Any 1 in a 12 month period reveals abuse.

## DEPENDENCE-ADDICTION

- Tolerance- more of the drug needed for desired affect OR less effect with same amount.
- Withdrawal symptoms OR use to avoid symptoms
- Desire/unsuccessful efforts to cut down
- Using larger amounts OR for longer periods of time than planned
- Activities reduced/giving up because of using
- Much time spent to obtain, use, or recover
- Continued use despite problems.

Any 3 in 12 months reveal dependence.

# STAGES OF ADDICTION

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- EXPERIMENTATION – First time using a substance
- RECREATIONAL USE – Using a substance every so often for fun
- FREQUENT USE – Regular use of a substance
- ABUSE – Using a substance to deal with a good or bad decision
- ADDICTION – Dependent on a substance and using it in spite of harm to the body

# RED FLAGS

**1. Continued Use Despite Adverse Consequences**

**2. Preoccupation**

**3. Family, School and Legal Problems**

**4. Tolerance**

**5. Deterioration of Relationships**

**6. Withdrawal**





## **DIAGNOSTIC CRITERIA FOR SUBSTANCE USE DISORDER & SUBSTANCE-INDUCED DISORDERS (DSM-5)**

- Criterion A has the following groupings: ***Impaired control (1-4); Social impaired (5-7); Risky Use (8-9); and Pharmacological (10-11)***
- Substance use disorders are based on pathological patterns of behaviors related to use of substance and symptoms resulting from use of a substance.



## CRITERIA FOR USE DISORDERS

1. Wanting to cut down or stop using the substance but not managing to
2. Spending a lot of time getting, using, or recovering from use of the substance
3. Cravings and urges to use the substance
4. Not managing to do what you should at work, home or school, because of substance use **(1-4 Social Impairment)**
5. Continuing to use, even when it causes problems in relationships
6. Giving up important social, occupational or recreational activities because of substance use
7. Using substances again and again, even when it puts the you in danger **(5-7 Display Risk Behaviors)**
8. Continuing to use, even when the you know you have a physical or psychological problem that could have been caused or made worse by the substance
9. The individual failure to abstain from using the substance despite the problems it causing. **(8-9 Pharmacological/Tolerance)**
10. Development of withdrawal symptoms, which can be relieved by taking more of the substance.
11. After developing withdrawal symptoms, the individual is likely to consume the substance to relieve the **(10-11 Withdrawal Symptoms)**



## **SEVERITY SCALE FOR SUBSTANCE USE DISORDER IS BASED ON:**

\_\_\_\_\_ **0 criteria to 1 criterion – no diagnosis**

\_\_\_\_\_ **2 to 3 criteria – Mild Substance Use Disorder**

\_\_\_\_\_ **4 to 5 criteria – Moderate Substance Use Disorder**

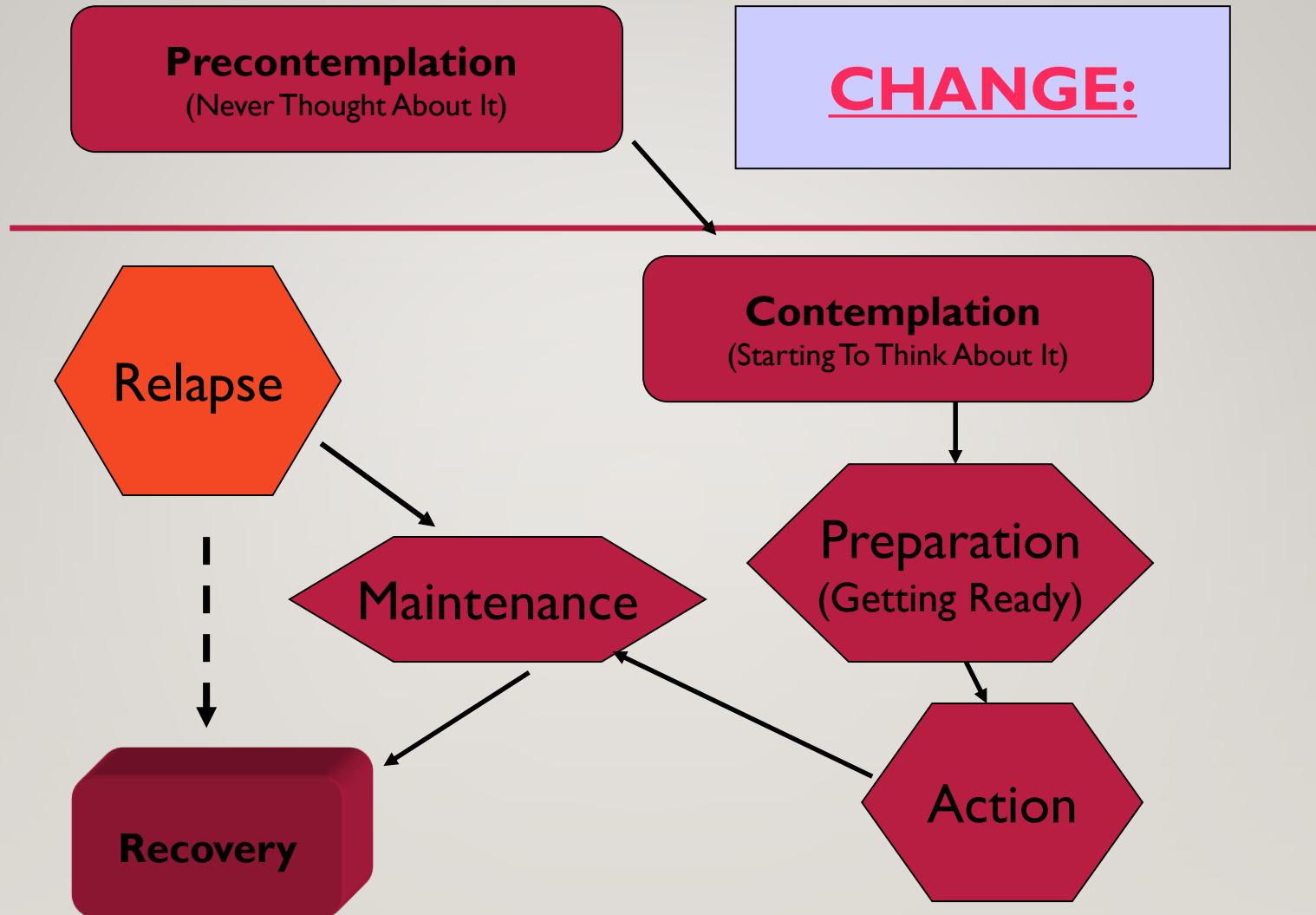
\_\_\_\_\_ **6 or more criteria – Severe Substance Use Disorder**

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\_\_\_\_\_ Youth does not have and identified Substance Abuse Problem

\_\_\_\_\_ Youth does have and identified Substance Abuse Problem







# FORT BEND COUNTY SERVICES OFFERED- (SAS)

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## SUBSTANCE ABUSE SERVICES

- Initial Screening & Assessment
- Consultation for Parents & Court Personnel
- Individual Substance Abuse Counseling (ISAC)
- Alcohol and Other Drug Counseling Group (AOD)
- Family Counseling & Safety Planning
- Crisis Intervention Services – JJAEP Sites
- Intensive Substance Abuse Services – JJAEP Sites
- Substance Abuse Educational Groups – JJAEP Sites

## SPECIALIZED INTERVENTION & TREATMENT SERVICES

- Substance Abuse Prevention Program (SAPP)
- Drug Awareness Prevention Program (DAPP)
- Lamar Consolidated ISD Drug Awareness Prevention Program (L-DAPP)
- LCISD Bridge Program
- Outpatient Treatment Program (OTP-SAS)
- Supportive Counseling Program (SCP-SAS)
- Intensive Counseling Program (ICP-SAS)
- Extra Substance Use Intervention (ESI) – JJAEP Sites

Collaboration with DA Office, LCISD, Ft. Bend Regional Council, Ft. Bend Parent Project Program

# SAS SERVICE HIGHLIGHTS FOR FY2022

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- 397 Substance abuse counseling sessions (individual or family) provided for youth and families as a conditions of probation
- 105 Substance abuse counseling sessions (individual or family) were provided for youth who were detained in the Fort Bend County Juvenile Detention Center
- 140 Substance abuse groups were provided for youth who were detained in the Fort Bend County Juvenile Detention Center
- 327 Individual substance abuse intervention sessions were provided for youth who attended school at out Juvenile Justice Alternative Education Program sites
- 191 Substance abuse education group sessions were provided for youth who attended school at our Juvenile Justice Alternative Education Program sites
- 100 Alcohol and other drug intervention groups were provided in the community
- 127 youth were referred to the Substance Abuse Prevention Program
- 36 Youth were referred to the Drug Abuse Prevention Program
- 377 youth were referred for individual substance abuse counseling services in the community

# CONTACT INFORMATION

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# Post Test Knowledge Check

