

A close-up photograph of a person's feet, viewed from the bottom. The left foot has a white tag attached to the big toe with a string. The tag has the words "FATAL" and "FIX" printed on it in black, bold, sans-serif font. The feet are resting on a dark surface, possibly a table, with a blurred blue and white background.

**FATAL
FIX**

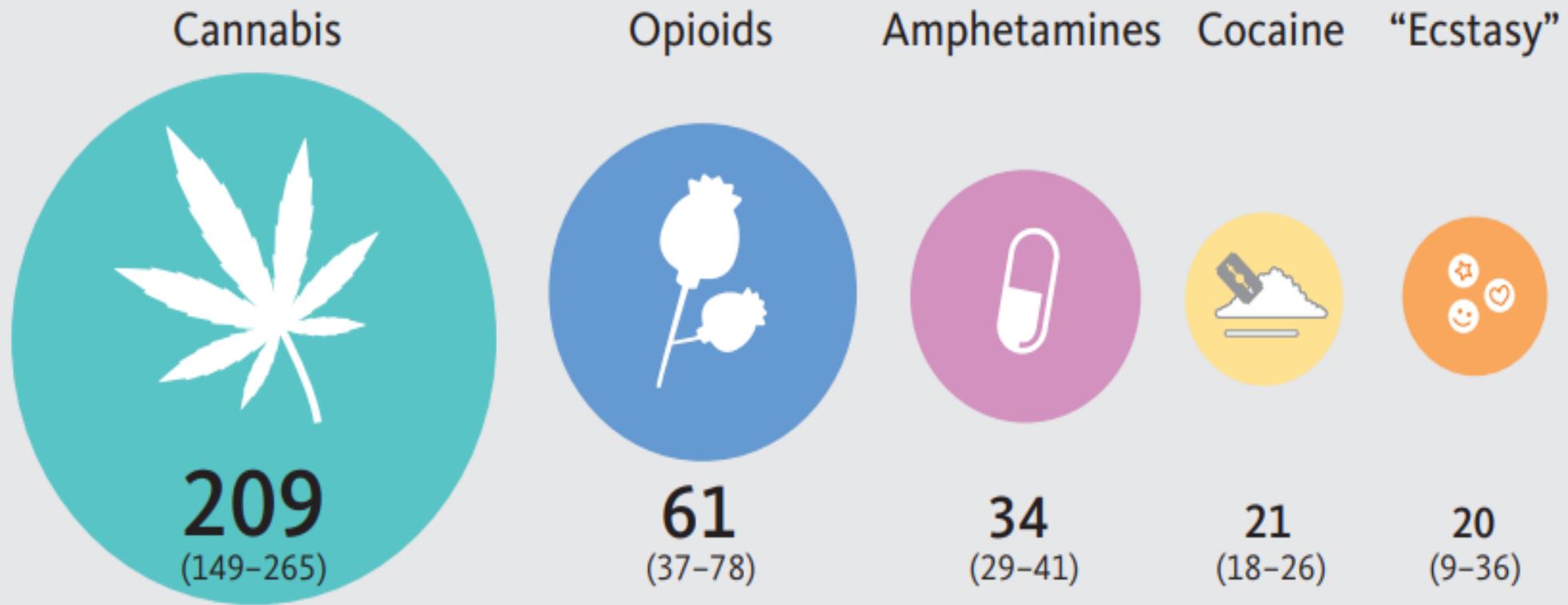


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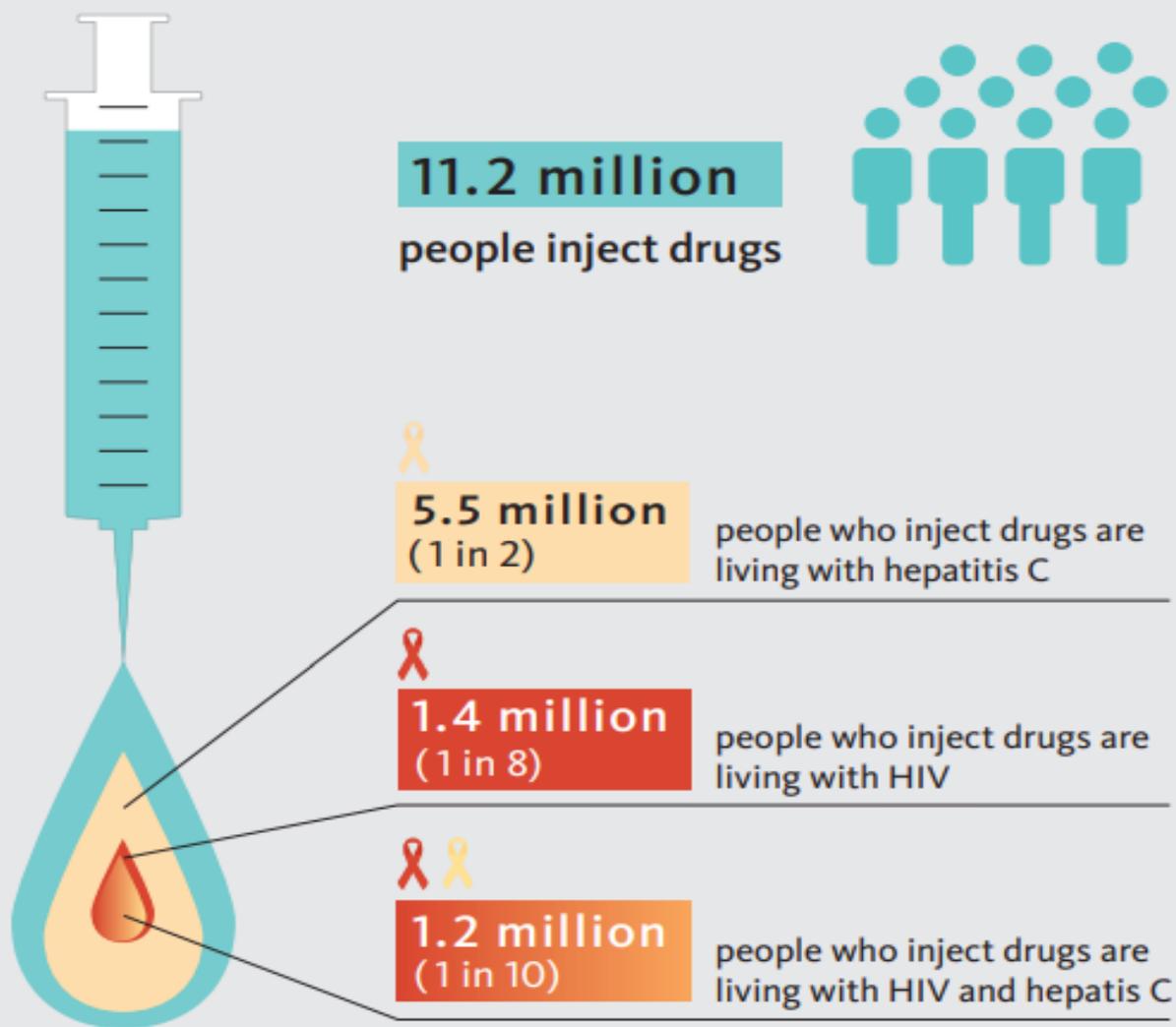
OBJECTIVES

- Learn about the opioid and fentanyl epidemic
- Learn about other frequently abused drugs
 - Cocaine
 - Methamphetamine
 - Marijuana
- Learn about polysubstance abuse

GLOBAL ESTIMATES OF THE NUMBERS OF DRUG USERS IN MILLIONS (2020)



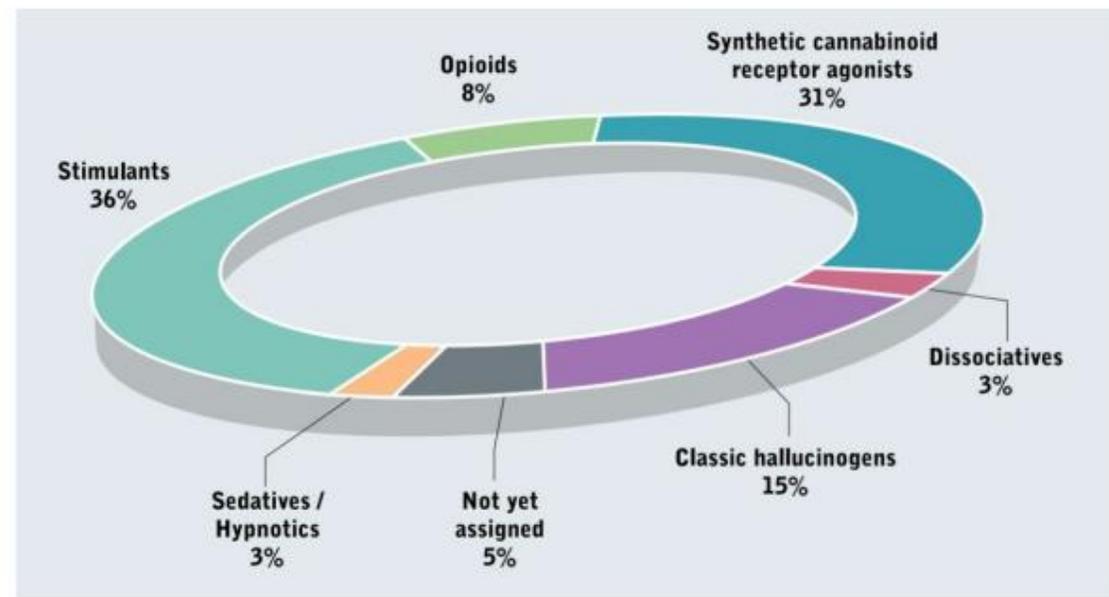
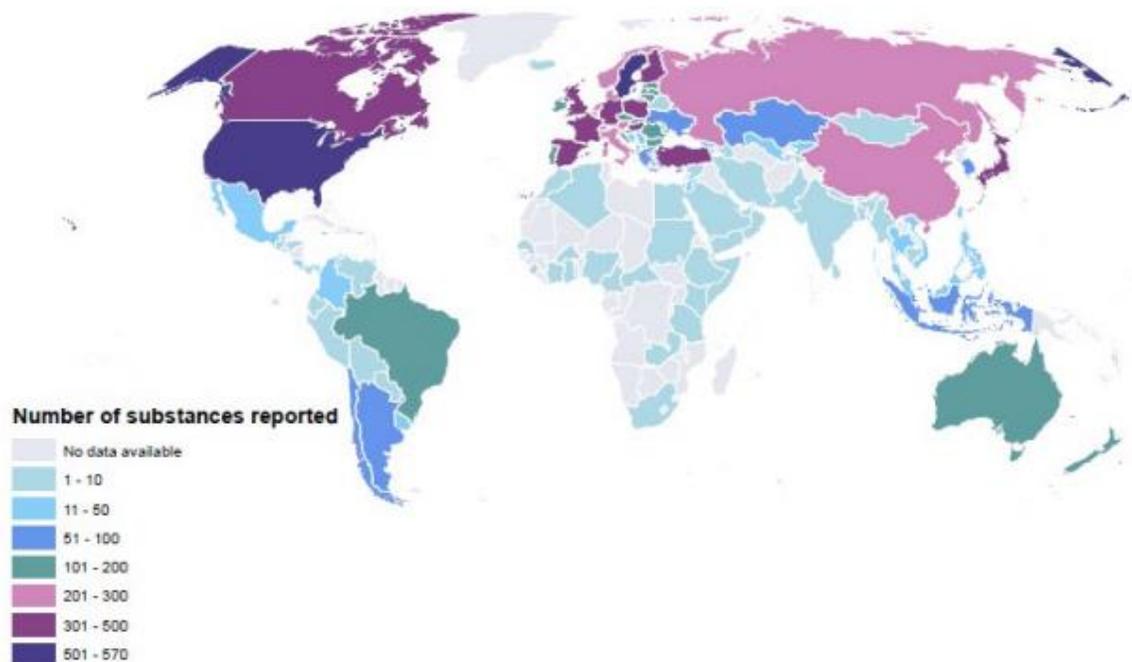
MORE THAN 11 MILLION PEOPLE INJECT DRUGS



UNODC

United Nations Office on Drugs and Crime

The New Psychoactive Substances (NPS) challenge...

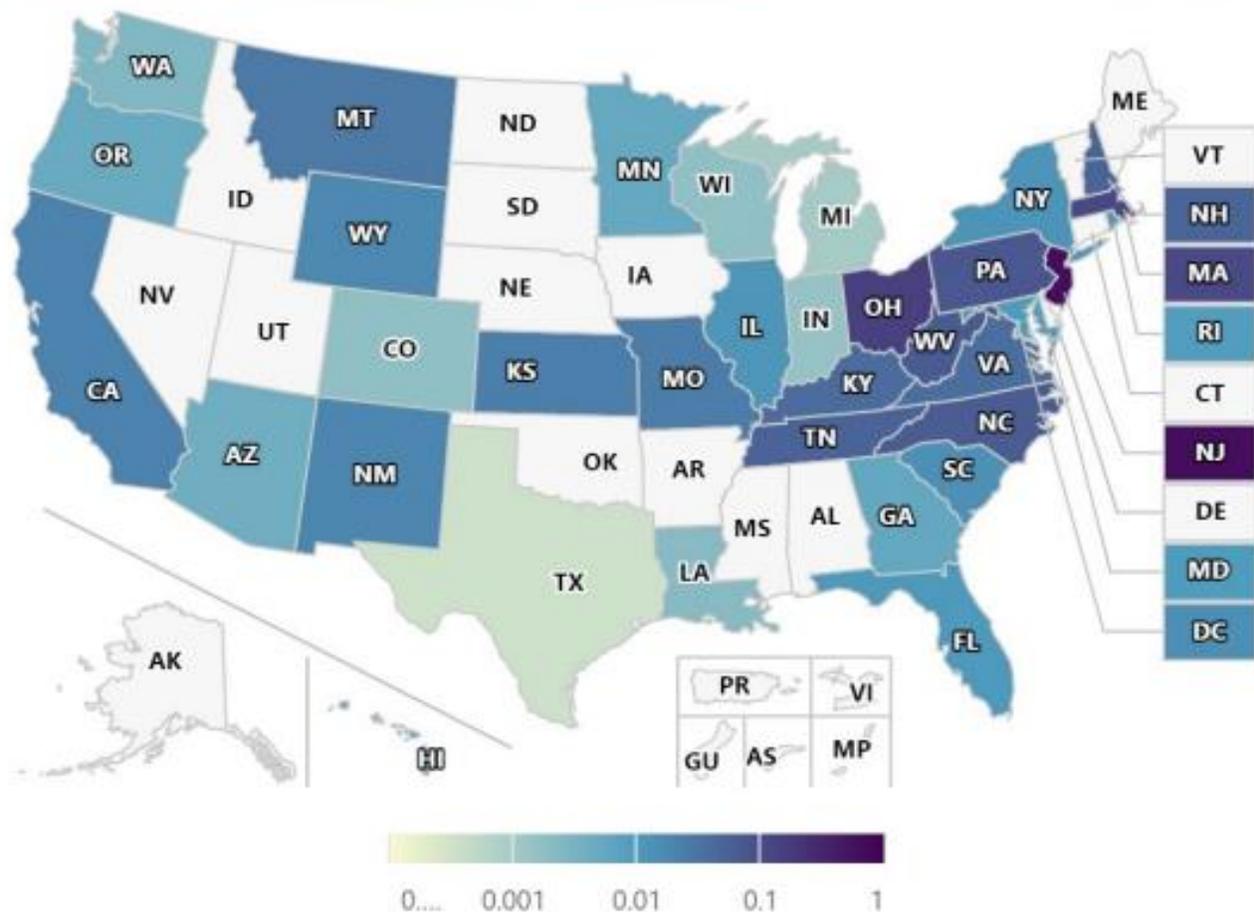


UNODC Early Warning Advisory
on New Psychoactive Substances

UNODC, Dec. 2021:
1,124 unique substances

From 2008 to 2019, **119**
countries and territories
reported a cumulative total
of **899** individual NPS

New Fentanyl-Related Compounds by State, 2020

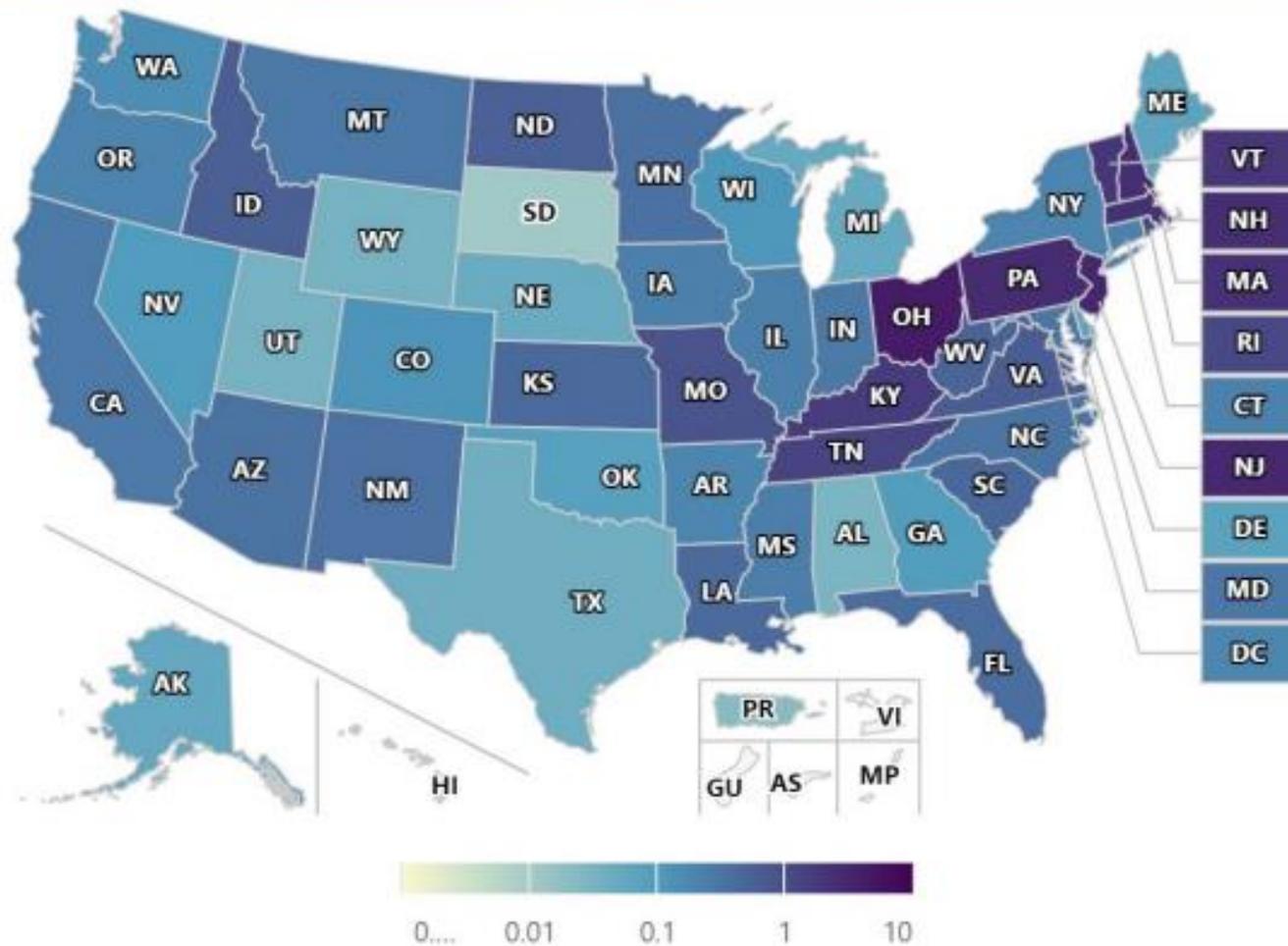


U.S. Drug Enforcement Administration, Diversion Control Division (2023, January 6). Data selected from 50 states, DC and PR, 129 drugs from 14 drug groups, reported during 01/2018 – 12/2022 [NFLIS-Drug Data Query System analysis] Retrieved from <https://www.nflis.deadiversion.usdoj.gov/>

Maps are normalized by drug reports per 100,000 persons



New Fentanyl-Related Compounds by State, 2021

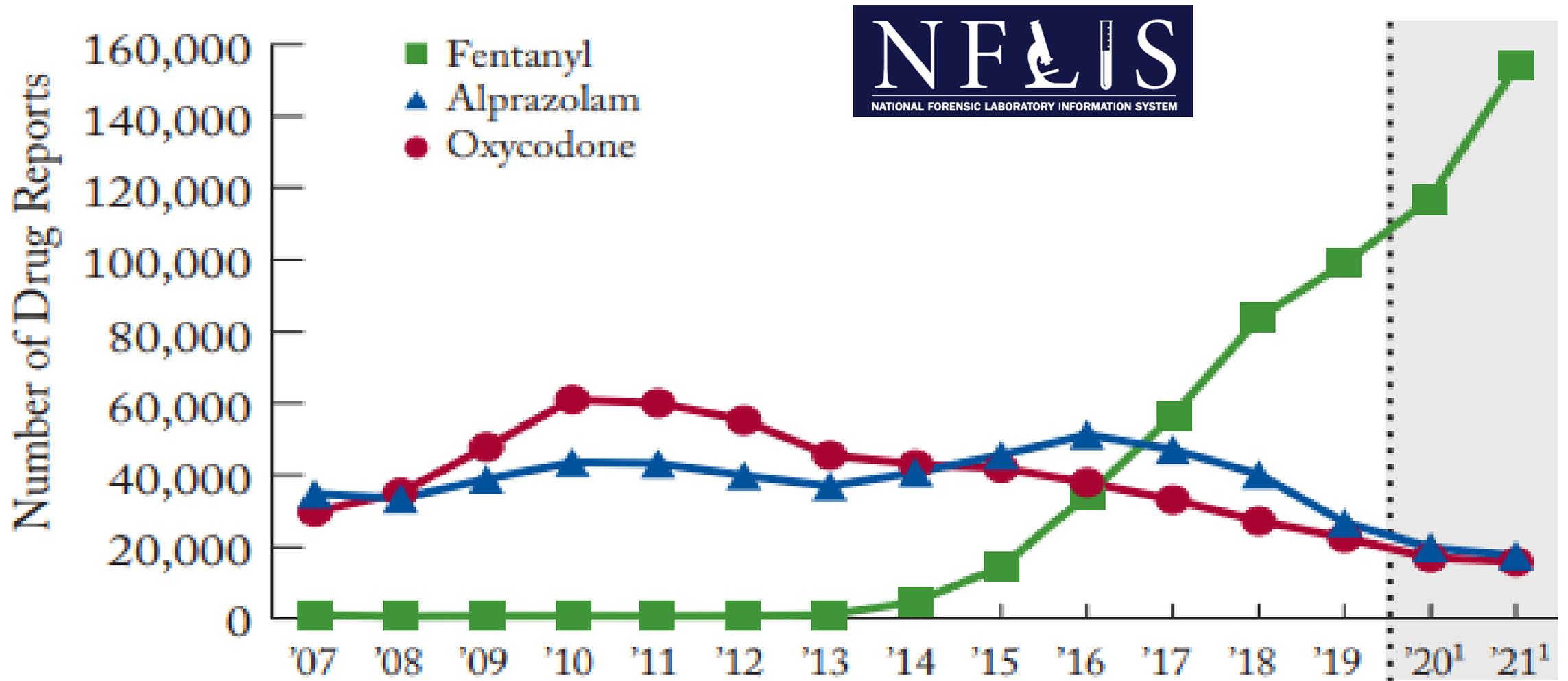


U.S. Drug Enforcement Administration, Diversion Control Division (2023, January 6). Data selected from 50 states, DC and PR, 129 drugs from 14 drug groups, reported during 01/2018 – 12/2022 [NFLIS-Drug Data Query System analysis] Retrieved from <https://www.nflis.deadiversion.usdoj.gov/>

Maps are normalized by drug reports per 100,000 persons

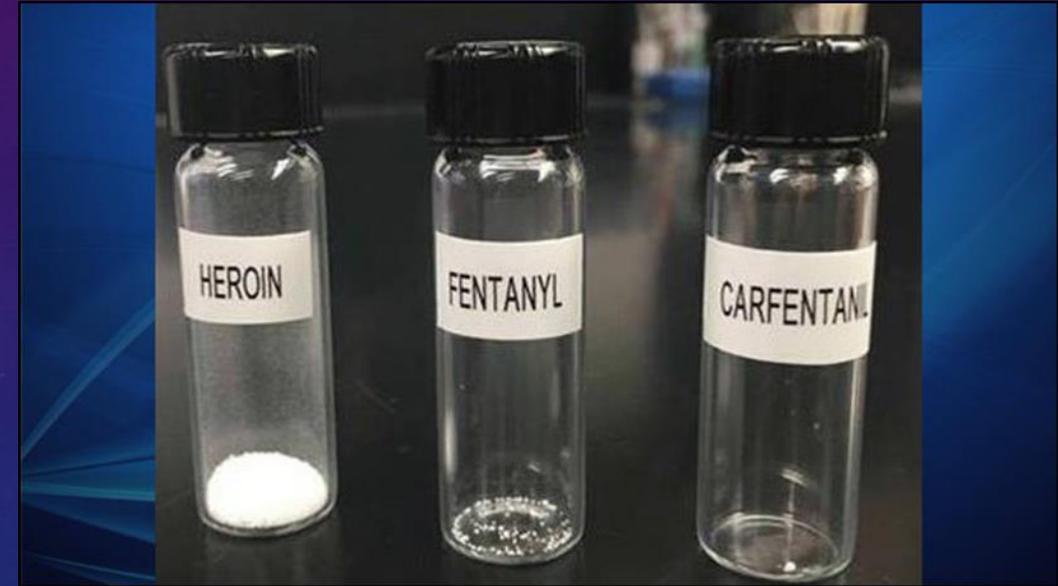


Figure 1.1 National trend estimates for fentanyl, alprazolam, and oxycodone, January 2007–December 2021



FENTANYL ANALOGS-WHY ARE THEY HERE?

- Many times stronger than heroin alone (preferred by users?)
- Cheaper to make than heroin
- Very profitable for drug cartels
1 kilo (\$3500) yield \$5-20 million profit
- Many new analogs are legal until banned



Estimated lethal dose

CLANDESTINE FENTANYL OUTBREAKS

1979-1988



PORT OF NOGALES, AZ
FENTANYL

PORT OF NOGALES, AZ
METH



U.S. Customs and
Border Protection



Clandestinely manufactured fentanyl

DEA Report: Counterfeit Pills Fueling U.S. Fentanyl and Opioid Crisis *Problems resulting from abuse of opioid drugs continue to grow*

JUL 22 (WASHINGTON) - Hundreds of thousands of counterfeit prescription pills, many containing deadly amounts of fentanyl and fentanyl-related compounds, have made their way into the U.S. drug market, according to a DEA intelligence report released today. Law



**ONE
PILL CAN
KILL**

Department of Justice | Drug Enforcement Administration

FAKE PILLS FACT SHEET

FAKE PRESCRIPTION PILLS • WIDELY AVAILABLE • INCREASINGLY LETHAL

DEA LAB TESTING REVEALS THAT

4 OUT OF EVERY **10** PILLS

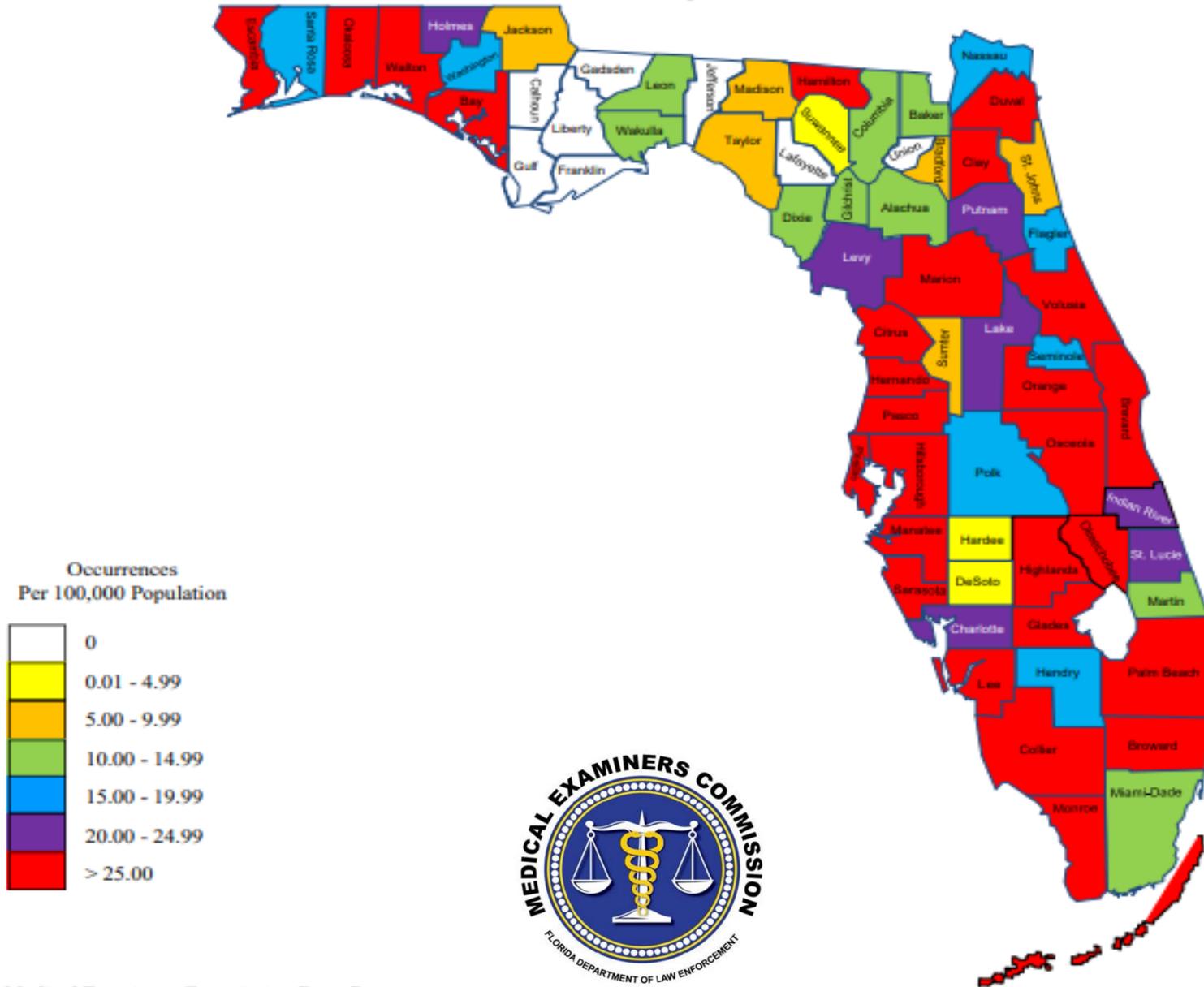
WITH FENTANYL CONTAIN A POTENTIALLY

LETHAL DOSE

**Fake pills often contain fentanyl
and are more lethal than ever before.**

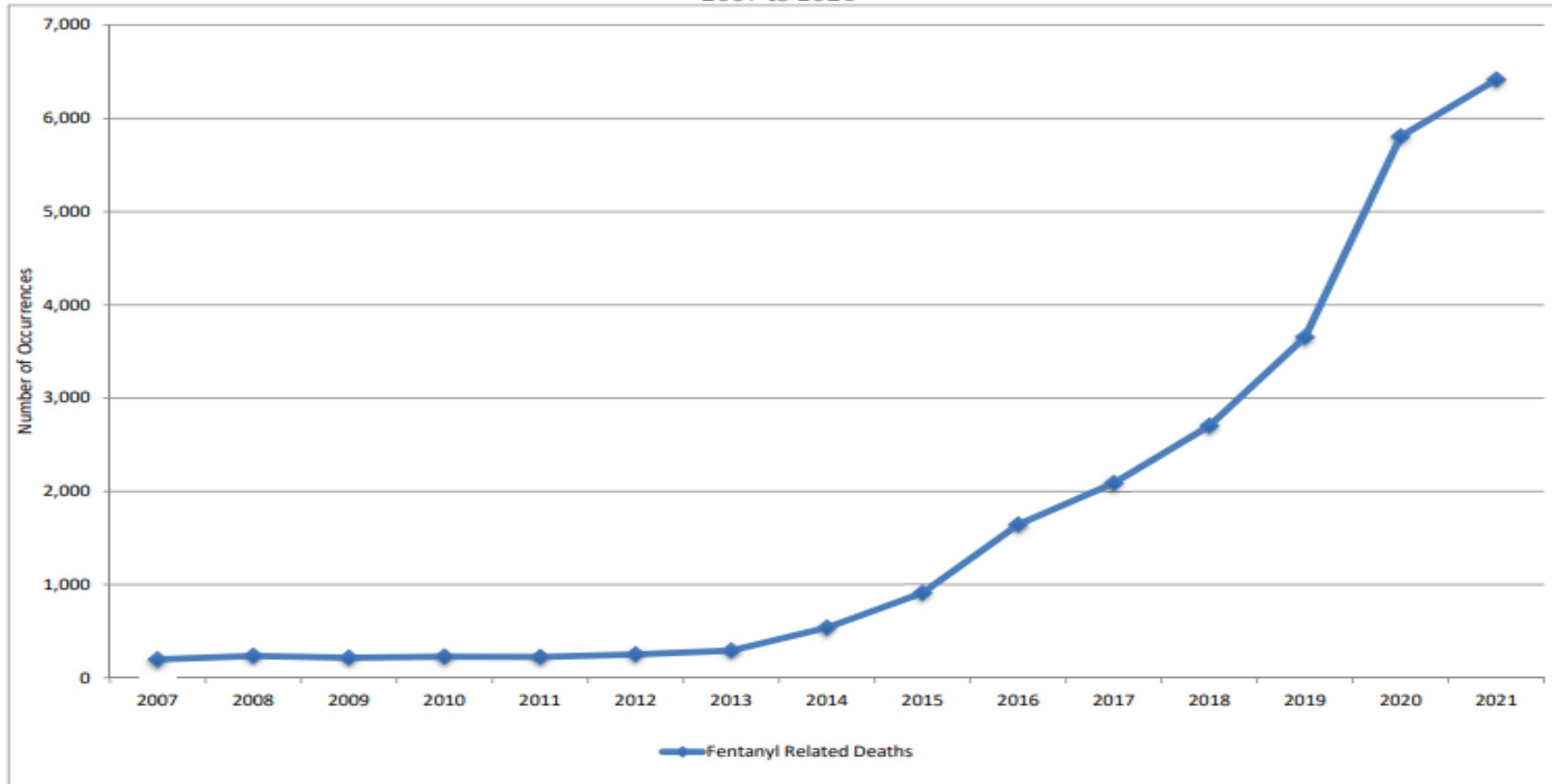


Fentanyl Deaths by County 2021





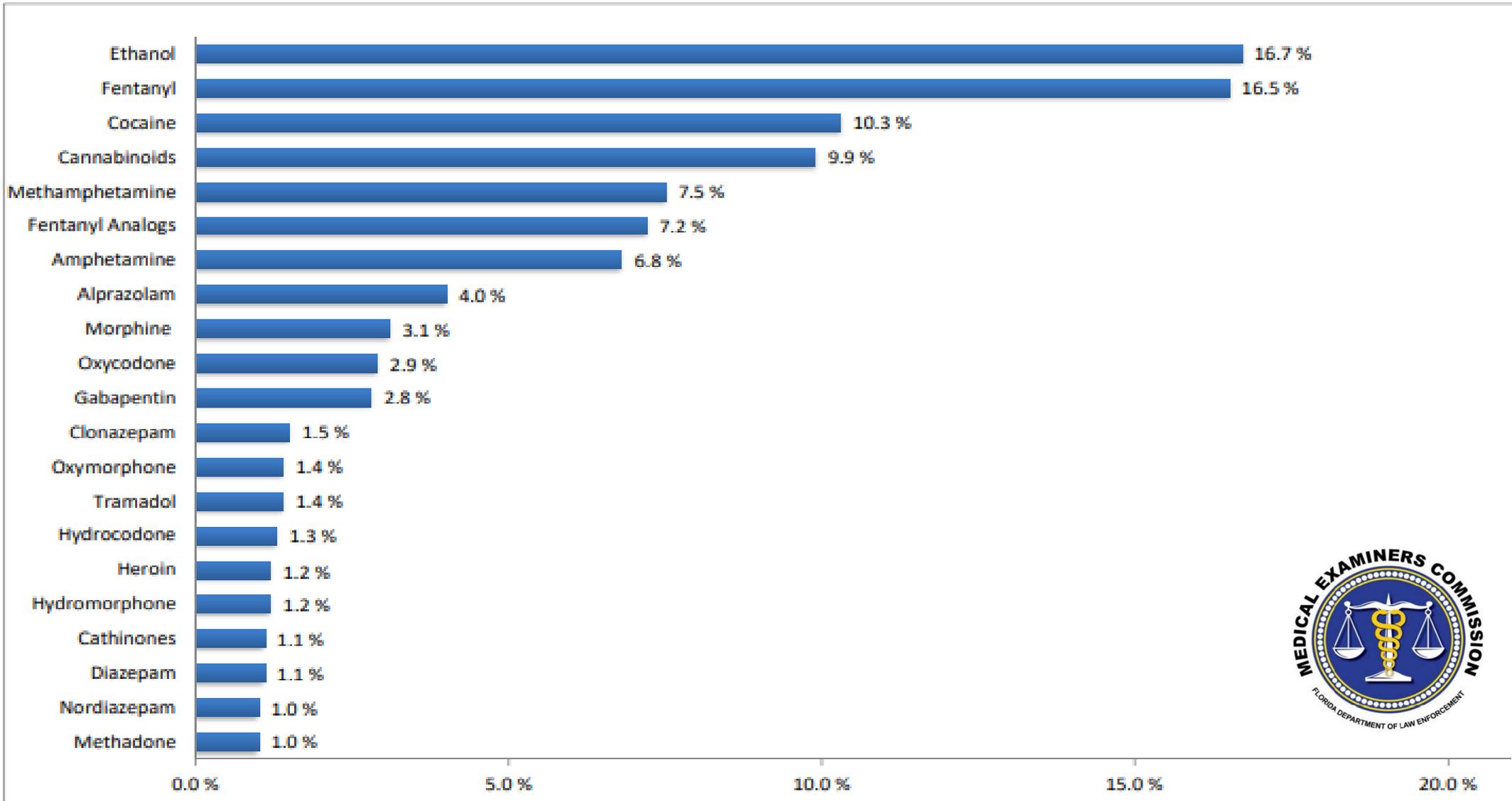
Historical Overview of Fentanyl Occurrences¹ (Present and Cause) 2007 to 2021



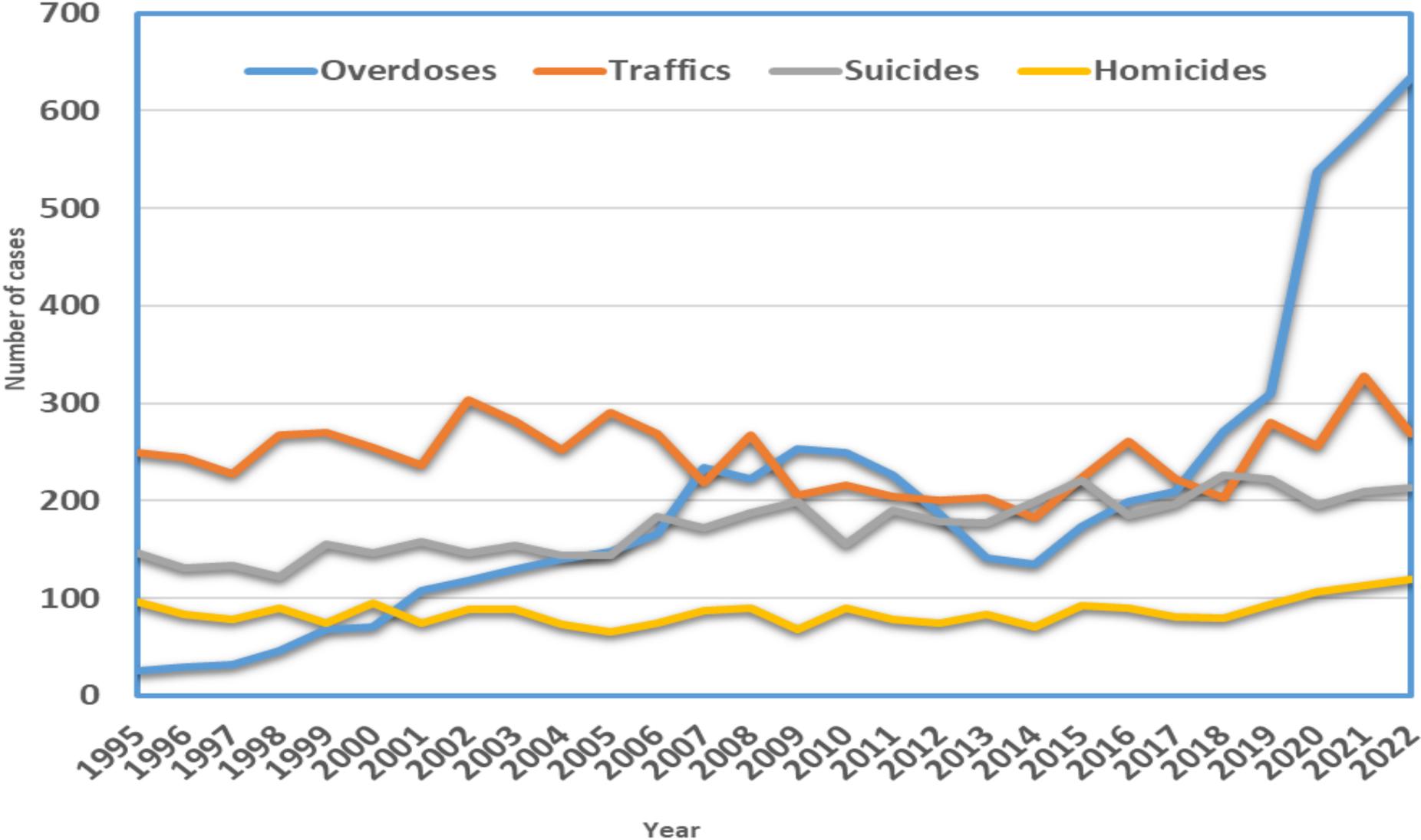
¹Prior to 2016, the number of fentanyl occurrences indicated includes occurrences of fentanyl analogs. Starting in 2016, fentanyl analogs were tracked separately.

Frequency of Occurrence of Drugs in Decedents¹

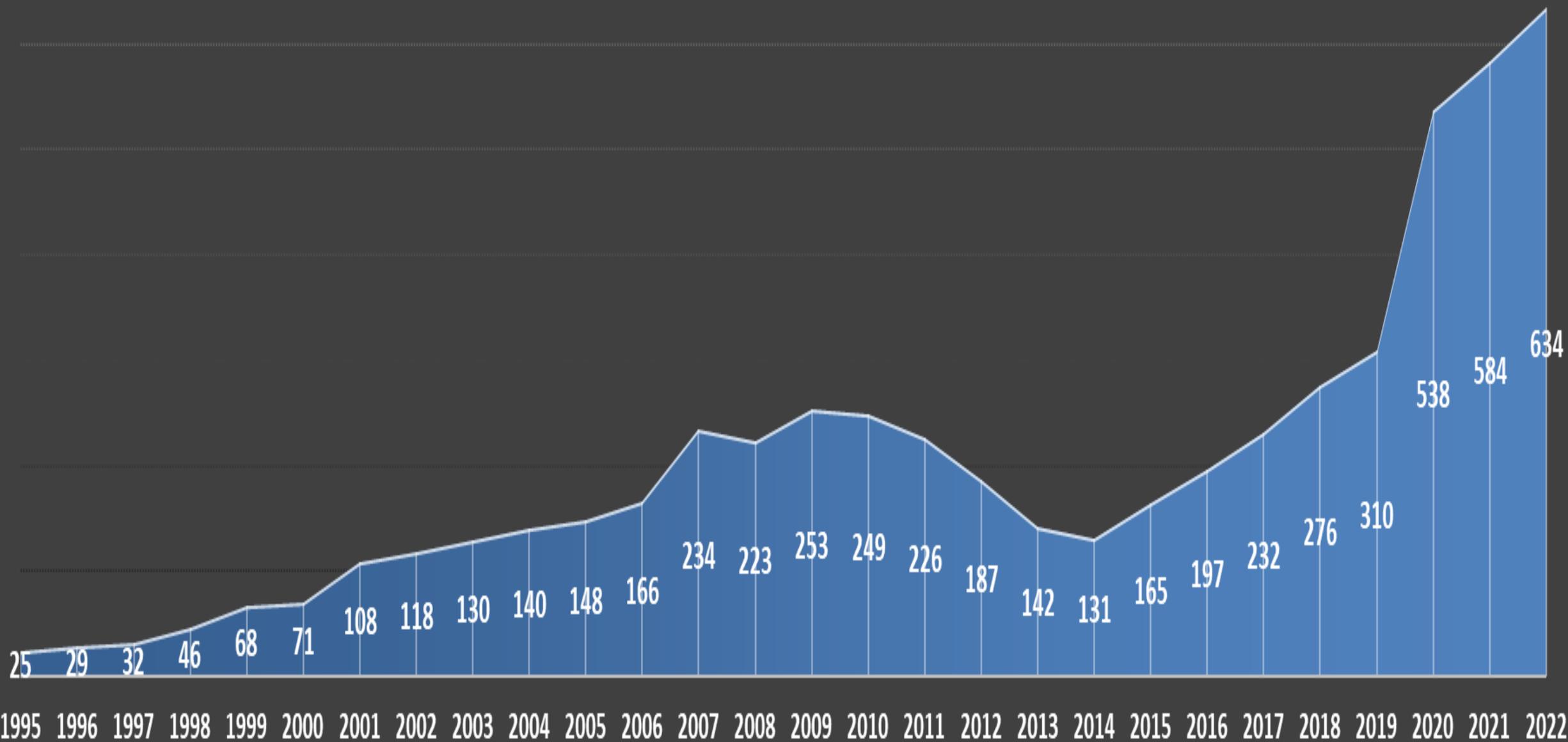
January - December 2021



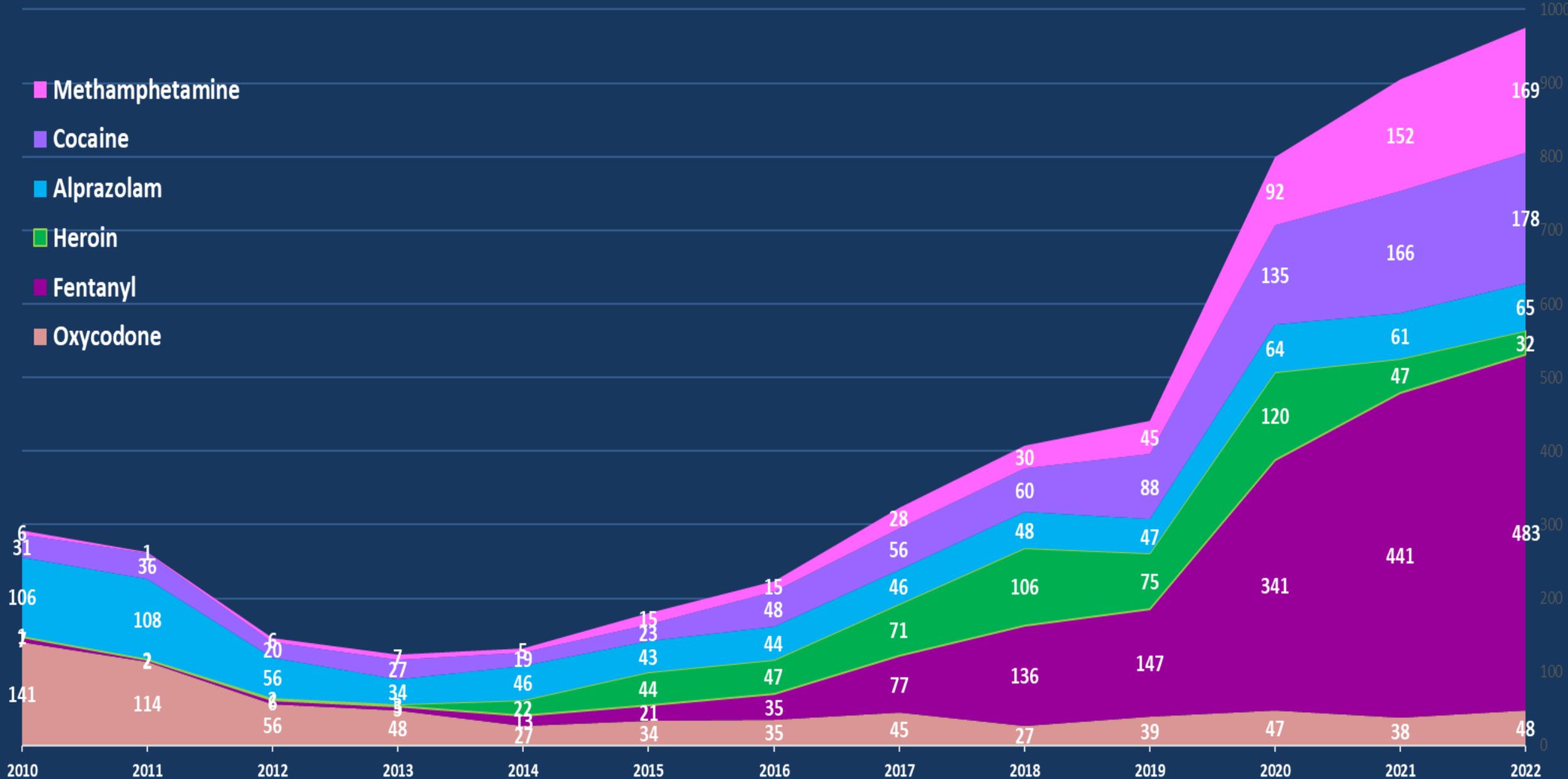
Hillsborough County Manners of Death



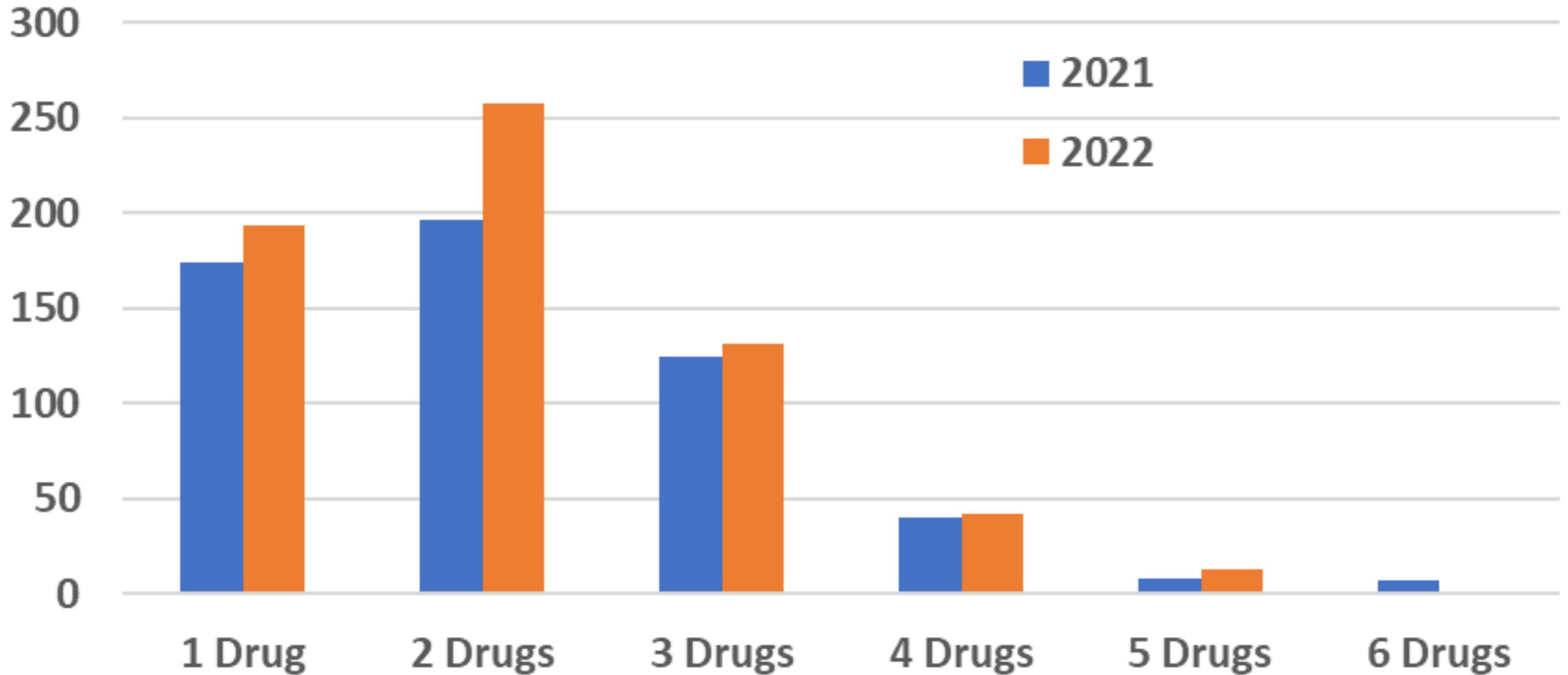
Hillsborough County Fatal Overdose Totals 1995-2022



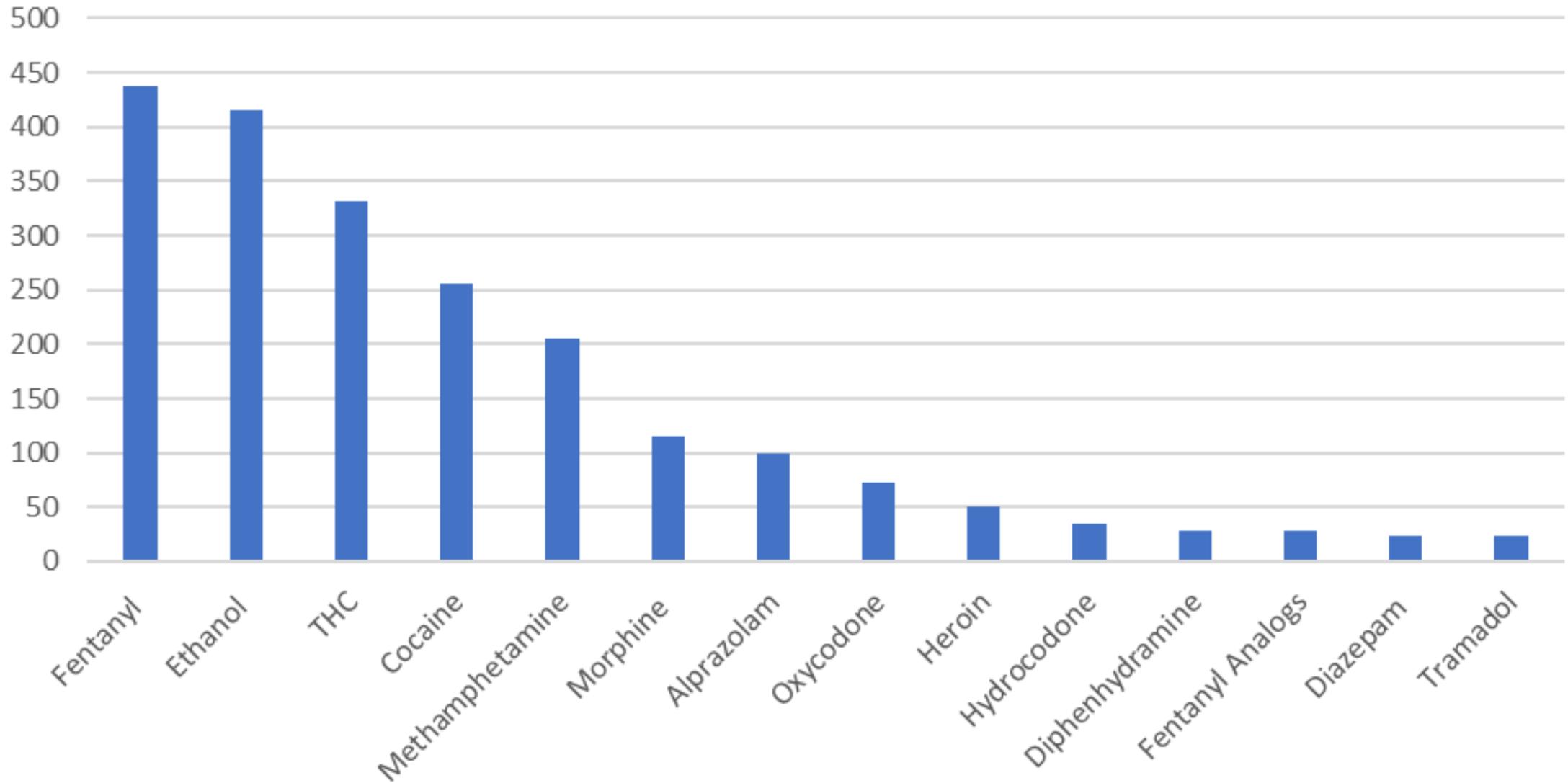
Hillsborough County Fatal Overdoses with Specific Drugs 2010-2022



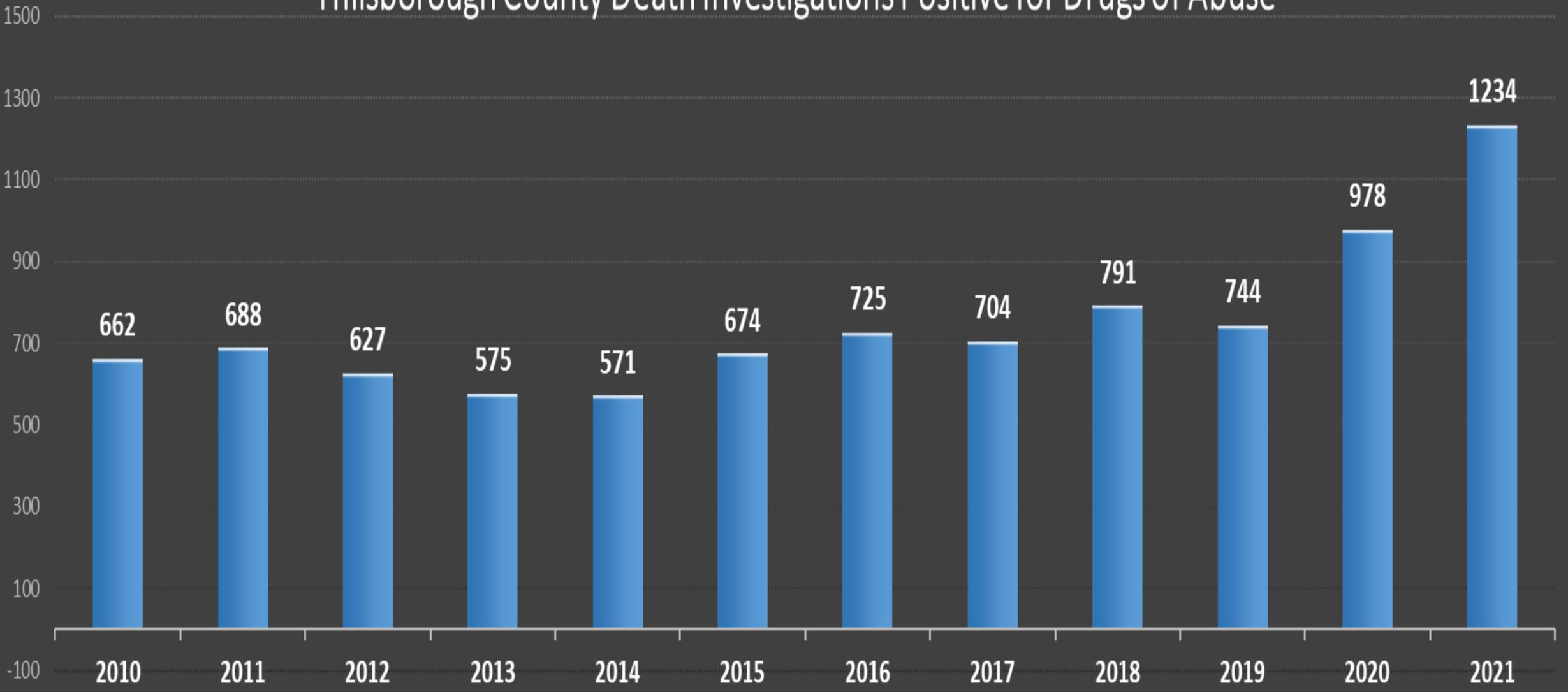
Most Frequent Drug Overdose Combinations



2021 Positive Cases with Most Prevalent Drugs



Hillsborough County Death Investigations Positive for Drugs of Abuse



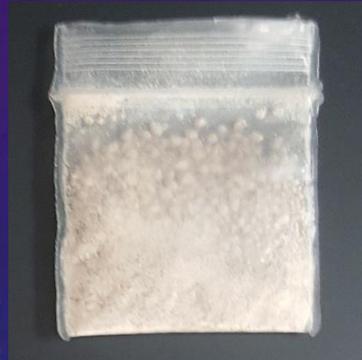
DRUG PARAPHERNALIA AT DEATH SCENES



WHAT'S INSIDE THE BAG?



Heroin



Heroin and Fentanyl



Caffeine, Lidocaine and Cocaine

DON'T TRUST A DRUG DEALER

NEVER LICK A SPOON



DEMOGRAPHICS

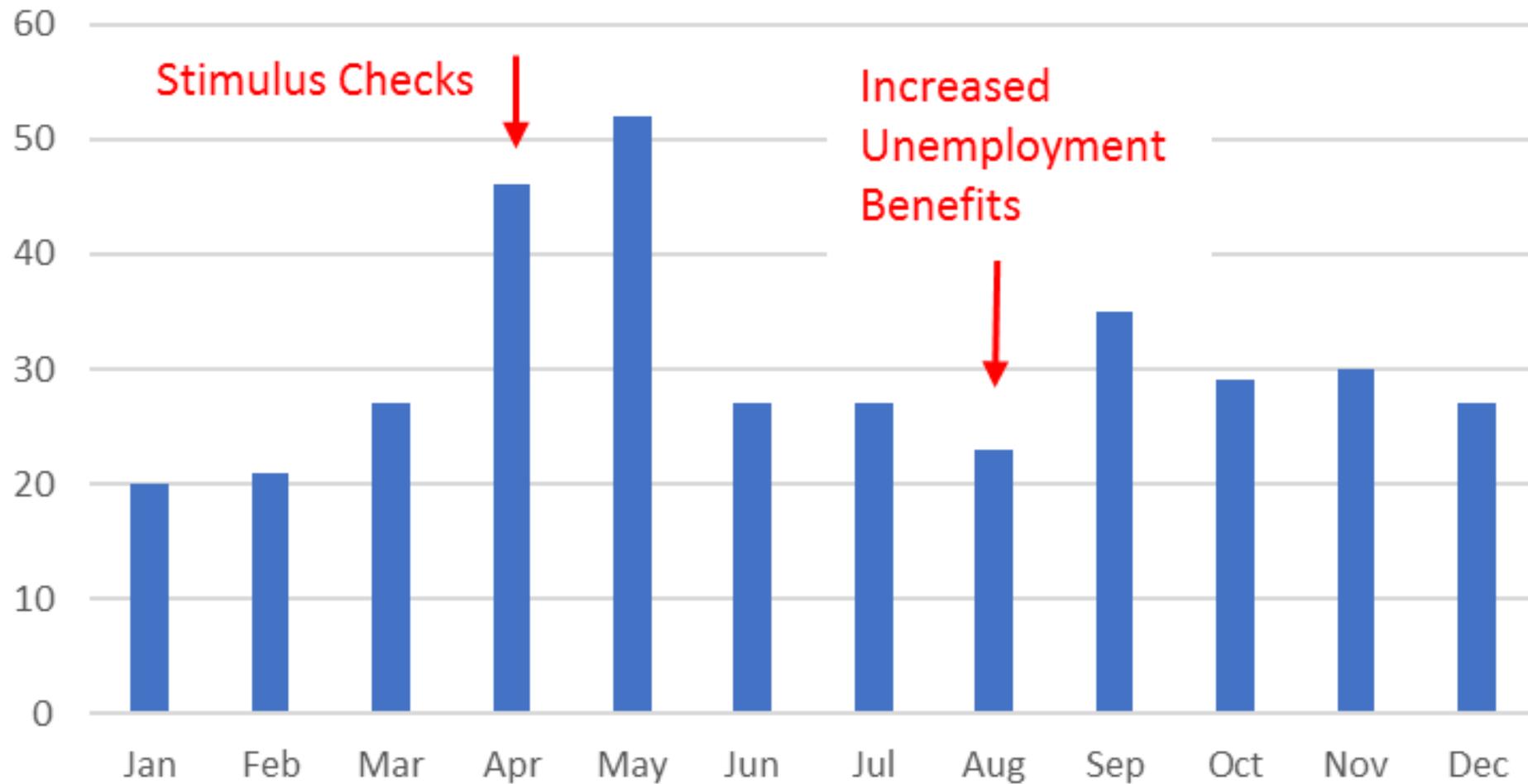
2021

- Age range: 16 to 88 years of age
- Males (369) = 73%
 - Average age: 43
 - Age range: 16 to 88
- Females (135) = 27%
 - Average age: 43
 - Age range: 19 to 85

2022

- Age range: 15 months to 89 years of age
- Males (404) = 71%
 - Average age: 44
 - Age range: 18 to 81
- Females (164) = 29%
 - Average age: 43
 - Age range: 15 months to 89

Fentanyl and Heroin Overdose Cases 2020



know what's in your drugs

TRANQ | XYLAZINE

Xylazine is a veterinary tranquilizer that is cut in dope to give fentanyl longer legs. It's known as "anestesia de caballo" in Puerto Rico and "tranq" in Philly.

Tranq was found in over

90%

of dope samples tested in
Philly in 2021



When tranq is mixed with another drug (like fentanyl, heroin, or a benzo), the chance of overdose increases. If someone is overdosing administer naloxone like you normally would. If the person starts breathing again but is still sedated, they don't need more naloxone. Put them in rescue position and keep an eye on them.

Dope with tranq was first seen in Puerto Rico. Today, it is being found in more and more places across the US.



Tranq has been associated with severe wounds, which spread and worsen very quickly.



These wounds are seen regardless of how people use: smoking, snorting, or injecting. It's very difficult for these wounds to heal on their own so it is important to get medical attention if you have one.

What can you do if you think there is tranq in your dope?

First, try to ask around and see how the drug is making other people feel before you buy or use it. Since tranq can cause a really heavy nod, try to use somewhere that you will be safe and won't fall and hurt yourself. Finally, if you think there is tranq in your dope let others know--including someone at your local exchange program--so folks know to be careful.

Veterinary--local anesthetic, analgesic or muscle relaxant (CNS depressant)

Adulterant or cutting agent in fentanyl, cocaine or heroin illicit drug samples

Why? Cutting agent (increasing bulk/weight)?
Increased effects?

NOT AN OPIOID

NOT RESPONSIVE TO NARCAN





(U//FOUO) Xylazine a Growing Threat to Public Health and Safety in Florida

(U//FOUO) Xylazine Identified in FDLE Forensic Laboratory Submissions: 2016-2022

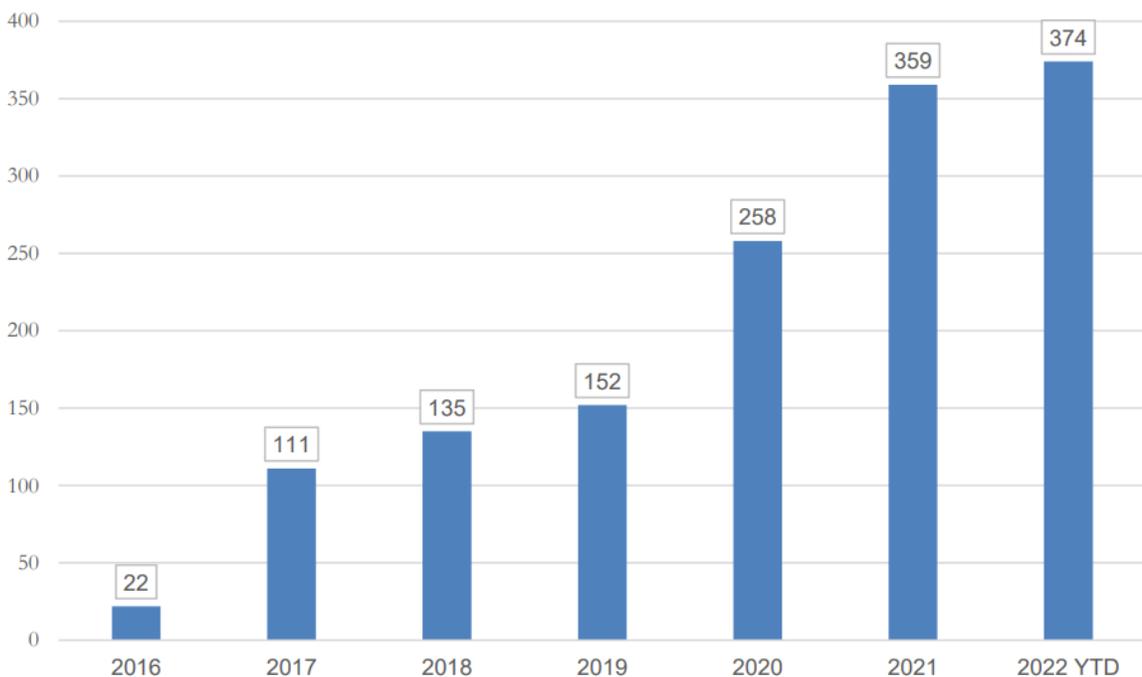


Table 1: (U//FOUO) Xylazine Identified in FDLE Forensic Laboratory Submissions: 2016-2022¹



Figure 1: (U) Xylazine/ Brand name Rompun™

Categories

- Adhesives: 6
- Amines: 115
- Amino Acids: 208
- Analytical Reagents: 730
- Antibiotics: 272
- Bioactive Small Molecules: 798
- Aroma Chemicals: 250
- Biochemicals: 1140
- Boronic Acids: 4
- Buffers: 103
- Building Blocks: 2192

Xylazine hydrochloride
(24446326 | 23076-35-9)

CAS: 23076-35-9
Molecular Formula: C₁₂H₁₆N₂S · HCl
Molecular Weight: 256.79

Availability: In Stock
Downloads: Product Specification

Prepack Pricing (GBP - £)

24446326-5g	5g	£26.30	Order Now
24446326-25g	25g	£77.90	Order Now

Bulk Order: kg [Request Quote](#)

Prepack Pricing (EUR - €)

Prepack Pricing (USD - \$)

Specification

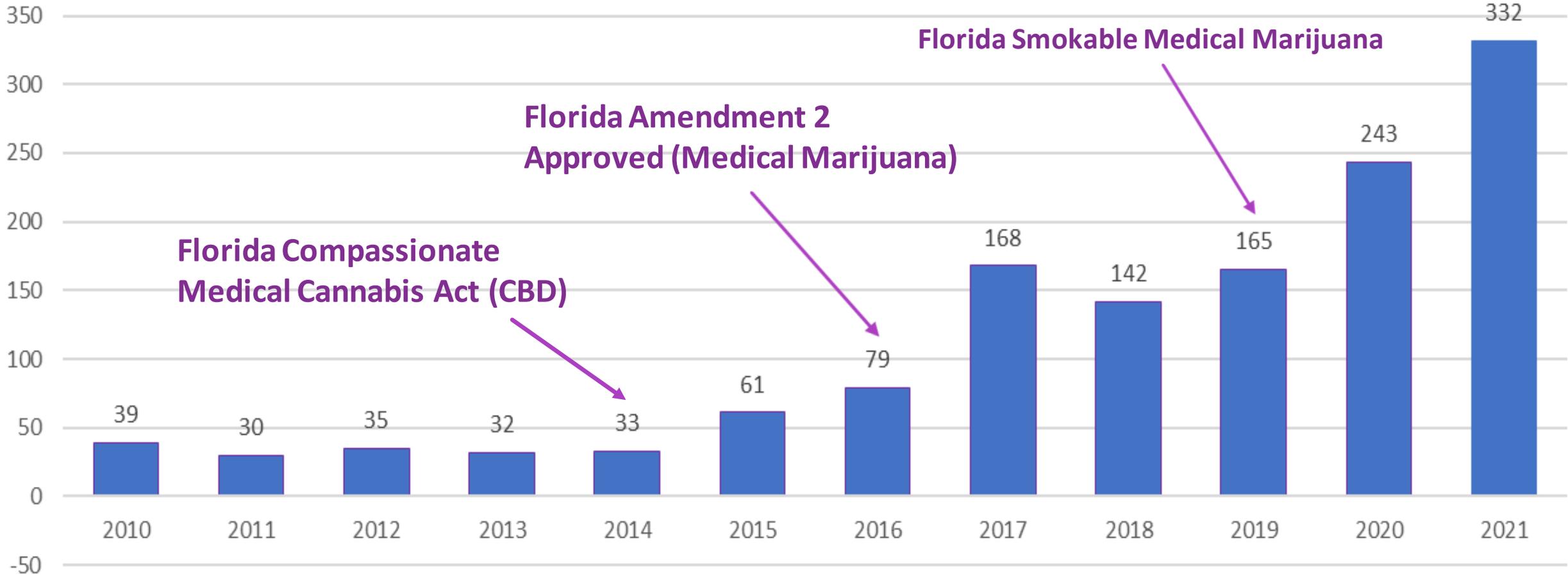
[Download](#)

Certificate of Analysis

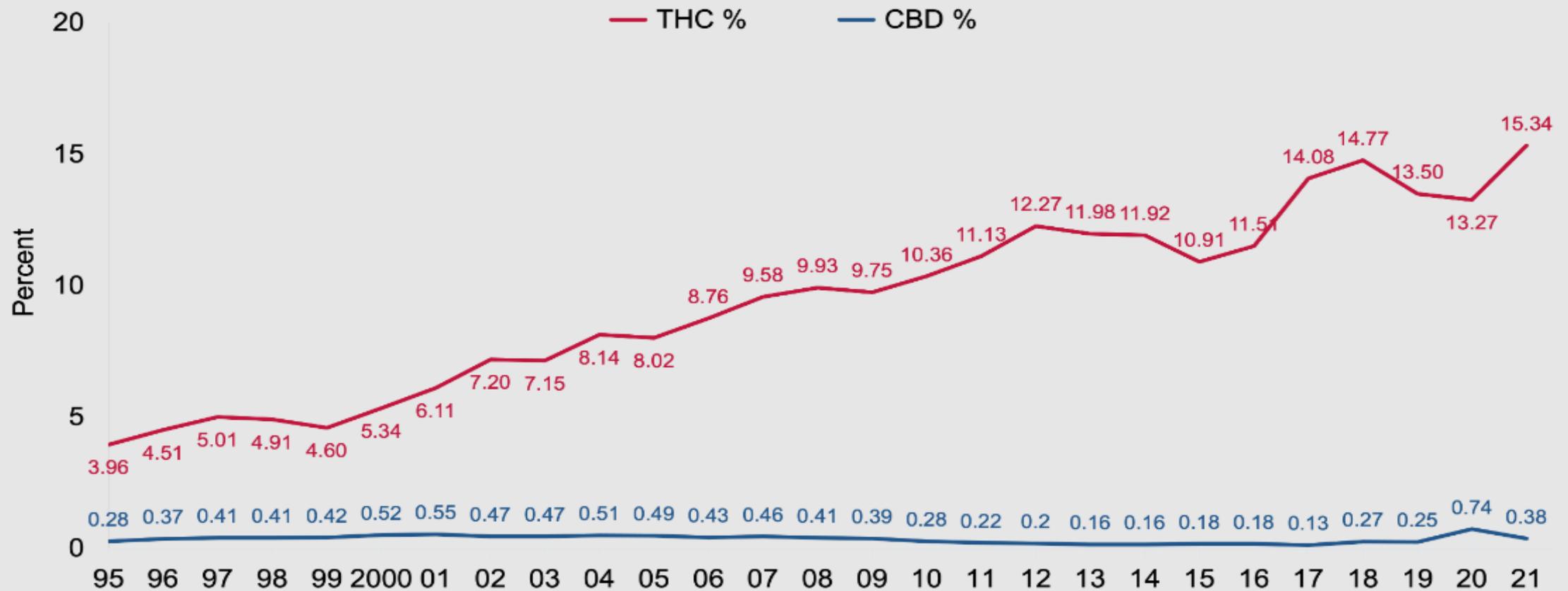
[Batch ID](#) [Download](#)

Cc1ccc(C)c(NC2=CNCCS2)c1

HCME Cases Positive for Cannabinoids



Percentage of THC and CBD in Cannabis Samples Seized by the DEA, 1995-2021



SOURCE: U Miss, Potency Monitoring Project

Explosion of Finished Products



Extracts, Concentrates, and Isolates



Smokables



Edibles and Beverages



Supplements

Summary over the items which were analyzed for THC concentration 2019-2020

Type of matrix	Number of items analysed for concentration	Variation conc THC (%)	Average THC conc (%)	Median THC conc (%)	Amount THC conc (mg/ piece)	Average THC (mg/ piece)	Median THC (mg/piece)
Gummy bears	292	0,2-4,2	1,2	0,9	2-50	15	12
Cola bottles	168	0,2-0,6	0,3	0,3	3-10	7	6
Other gummies	738	0,06-0,2	0,2	0,2	3-30	18	19
Baked items	222	0,02-0,5	0,2	0,2	3-157	63	58
Undivided items	5	0,03-0,2	0,08	0,05	24-101	51	44
Chocolates	38	0,3-0,5	0,4	0,5	29-65	48	48
Caramells	21	0,08-1,0	0,4	0,2	1-185	71	27
Total	1484	0,02-4,2	0,4	0,20	1-185	39	27

SUMMARY

PILL MILL EPIDEMIC REPLACED WITH HEROIN AND FENTANYL EPIDEMIC

FENTANYL AND ANALOGS ARE LACED INTO ILLICIT DRUG SUPPLY AND CLANDESTINE PILLS

POLYSUBSTANCE ABUSE IS COMMON (NOT JUST AN OPIOID PROBLEM)

DEALERS AND USERS DON'T ALWAYS KNOW WHAT THEY ARE SELLING OR TAKING

STRESS/ANXIETY/ISOLATION MAKING SUBSTANCE ABUSE MORE RAMPANT

Questions?



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