

How Safe Are Our Homes?



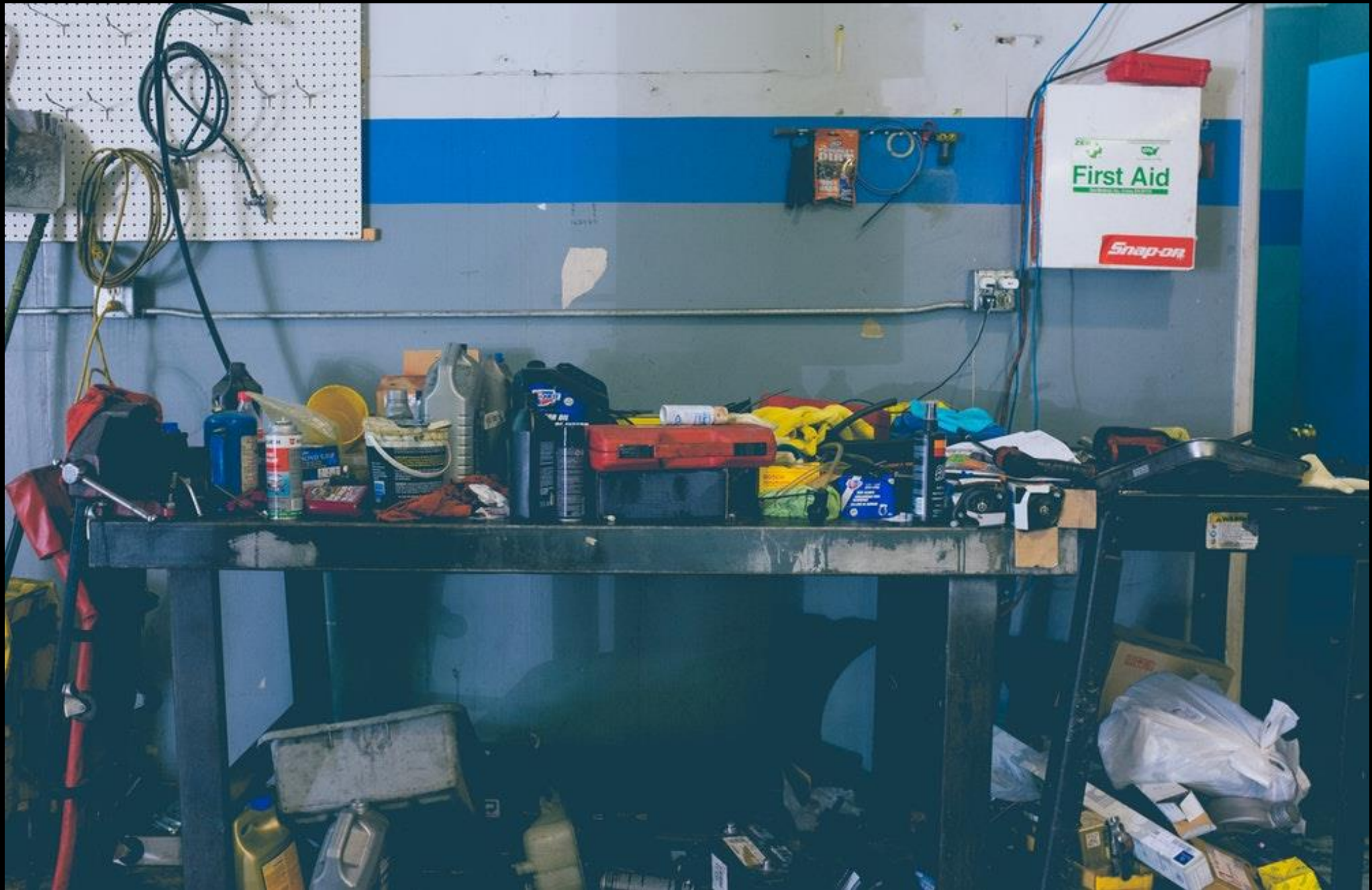


Photo cred: Neonbrand @unsplash

Inhalant Abuse



Inhalant Abuse

- > 22 million Americans have admitted use
- 750,000 use inhalants for the first time each year
- 1 in 5 8th graders will have used inhalants
- Most frequently abused substance by 12 – 13 year olds



Inhalant Abuse



Inhalant Abuse

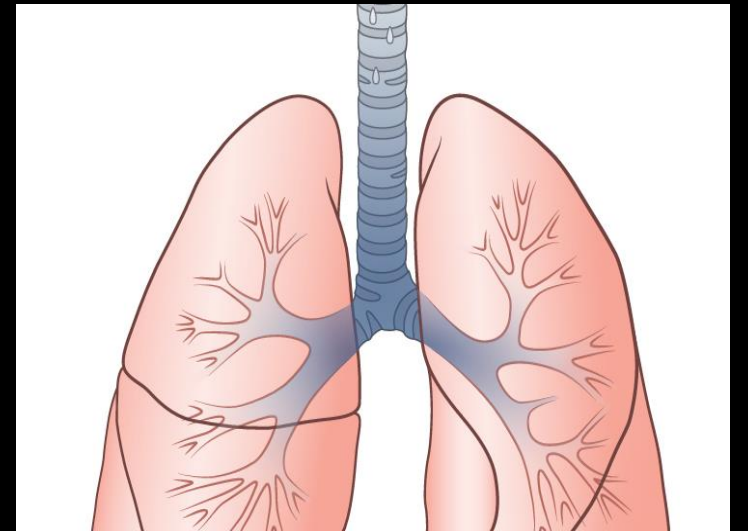
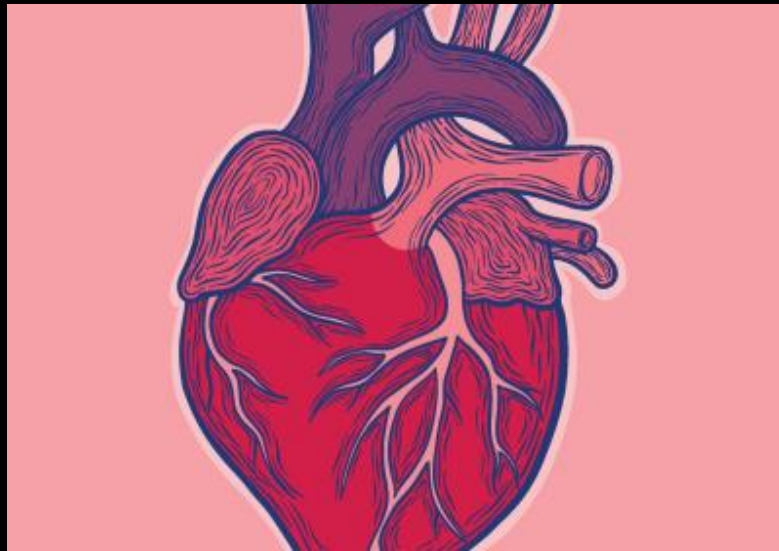
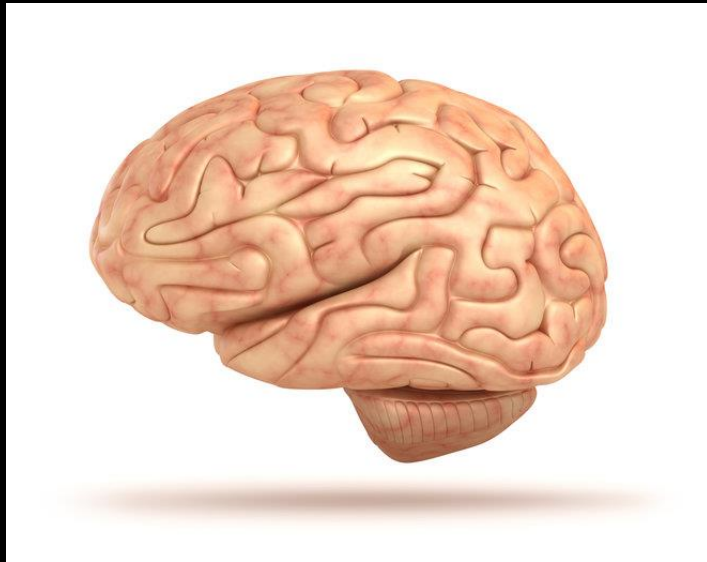




Photo cred: Jodie Morgan @unsplash

Caffeine



Product	Mg Caffeine Per Item
Red Bull®	80
Monster Energy®	160
Cocaine®	280
Sobe Energy®	80
Coca-Cola®	34.5
Starbucks® Coffee (short)	180
Coffee	80
RedLine Power Rush®	350
Full Throttle®	144
Rockstar®	160
Kickers 80 Hour Energy Spray®	?? (237 mg proprietary blend)

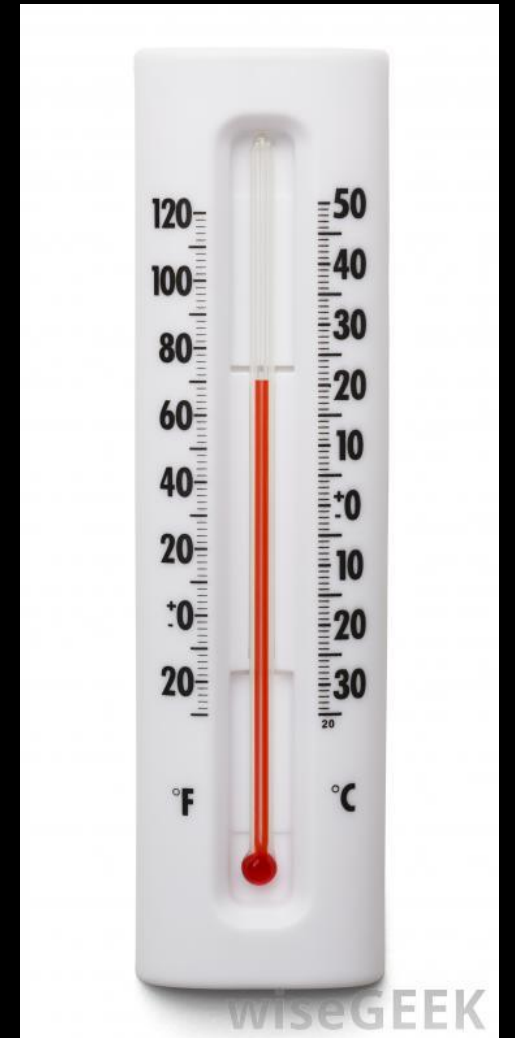
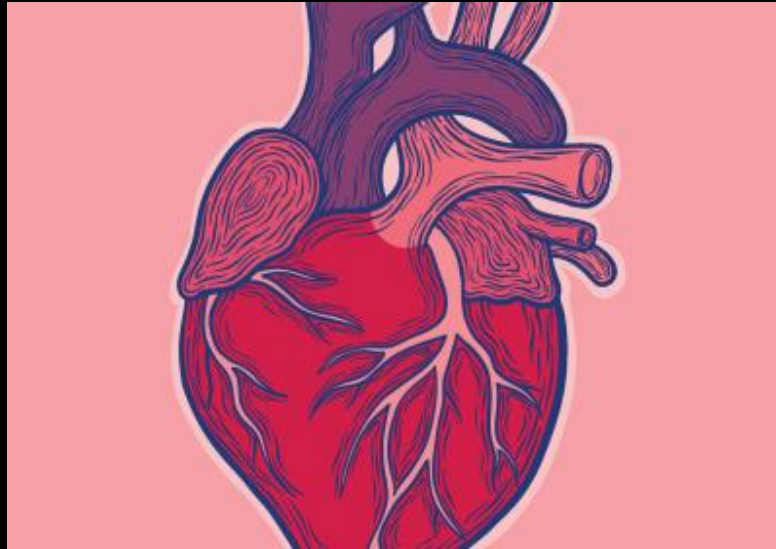
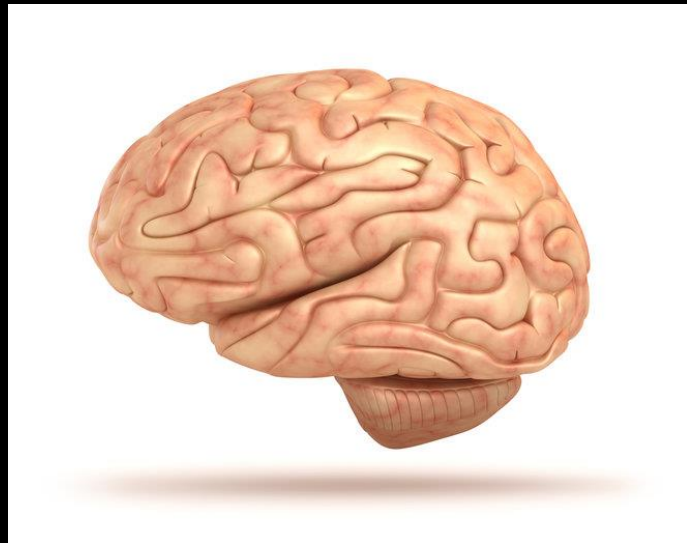
Caffeine



Energy Drinks & Alcohol

- People feel “less” drunk
- People DO NOT act any “less” drunk
- Take more risks because they feel “less” drunk
- More likely to drink more frequently

Caffeine



Beware of...the Nutmeg?



Nutmeg



Nutmeg





What's in your medicine cabinets?

- Prescription medications
 - Opioid prescriptions (eg: hydrocodone)
 - Benzodiazepines (eg: Xanax)
- Non-prescription medications
 - Cough and Cold products
 - Acetaminophen
 - Aspirin
 - Loperamide
- Endless opportunities!!

Dextromethorphan



Dextromethorphan



Dextromethorphan



Loperamide



Loperamide

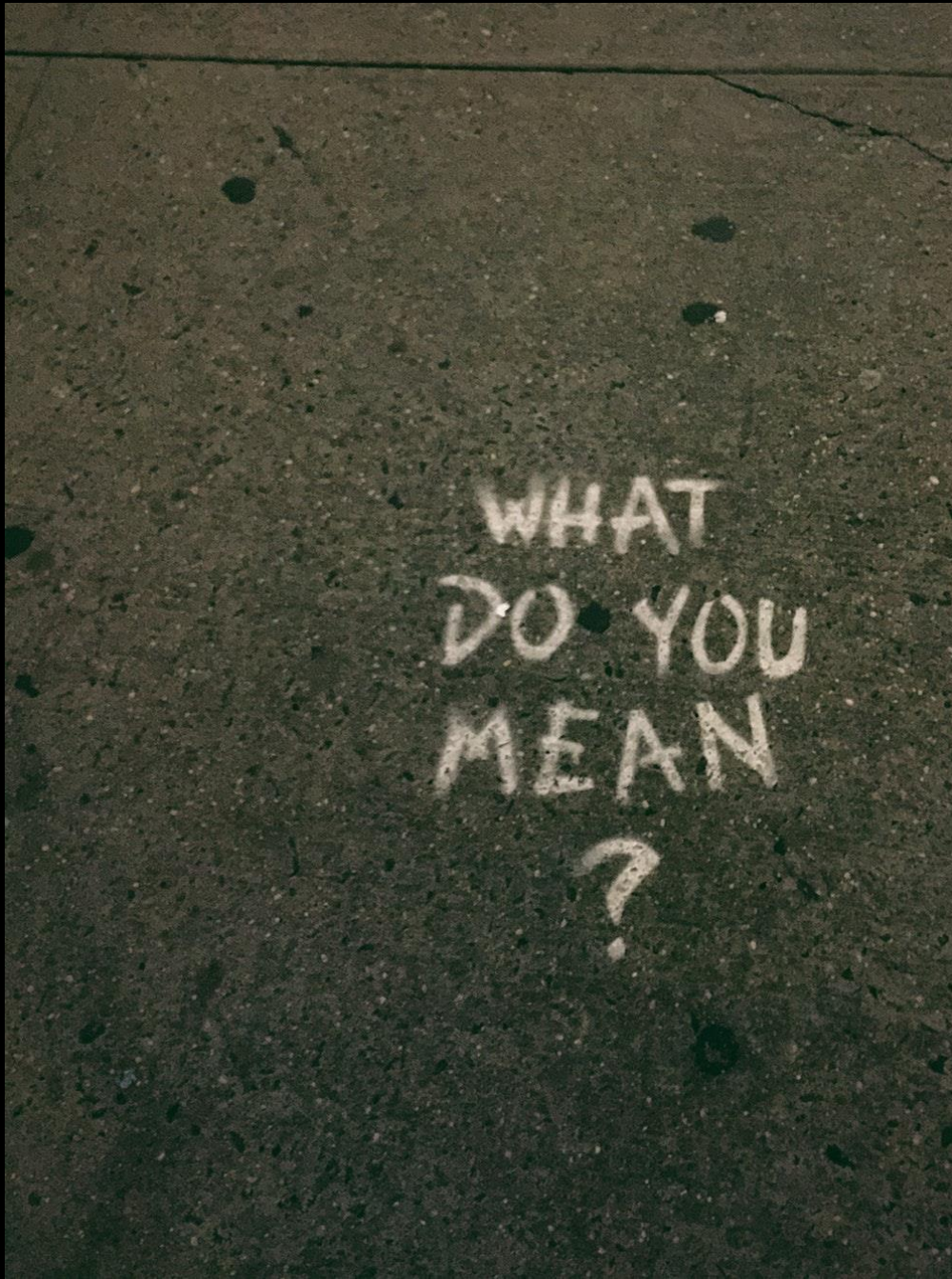
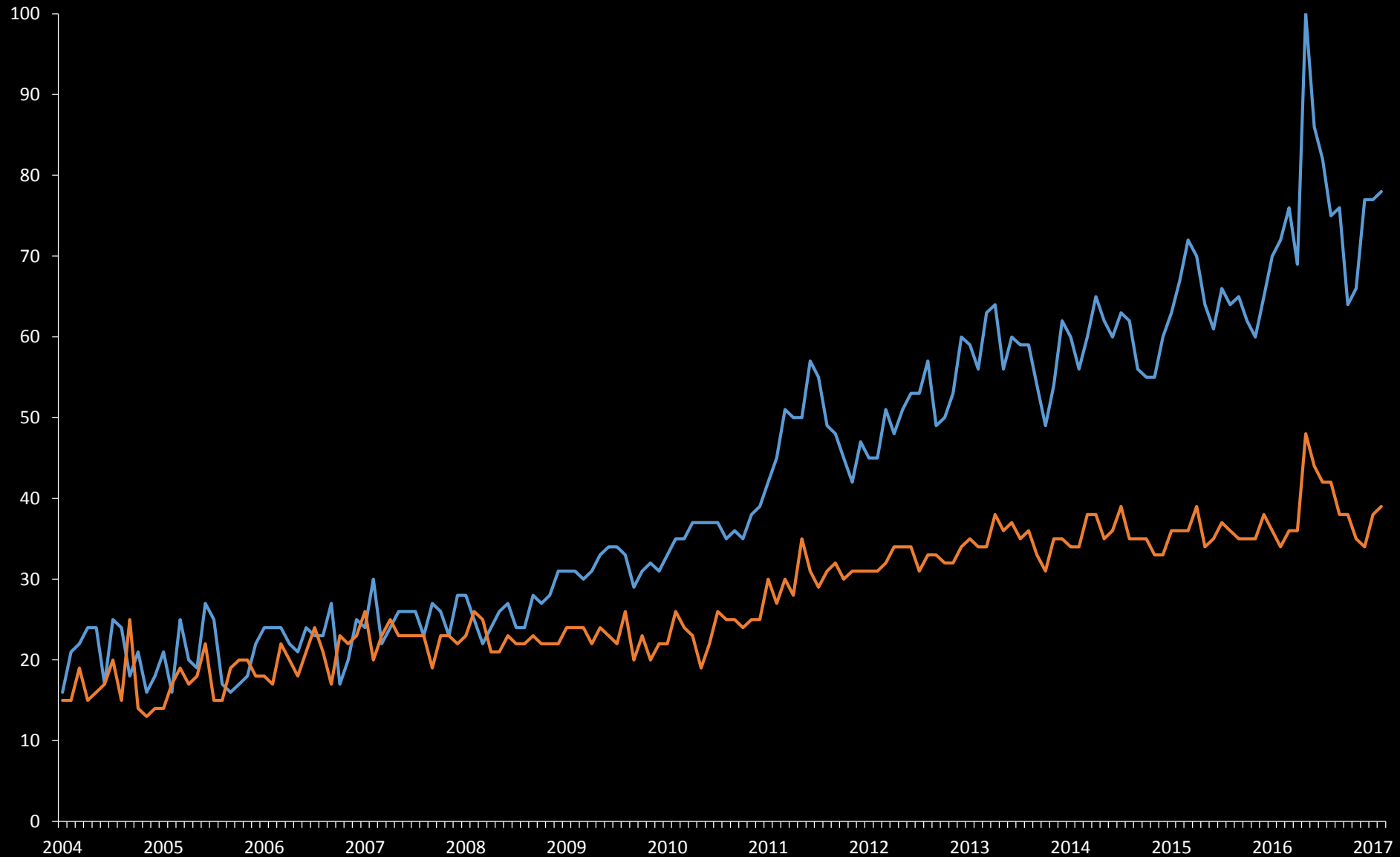
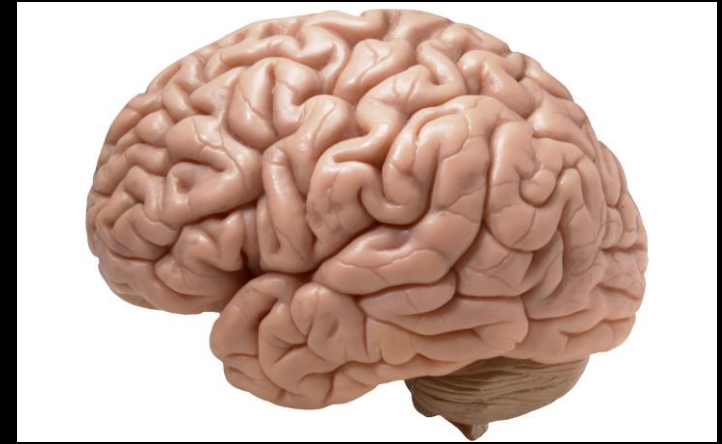
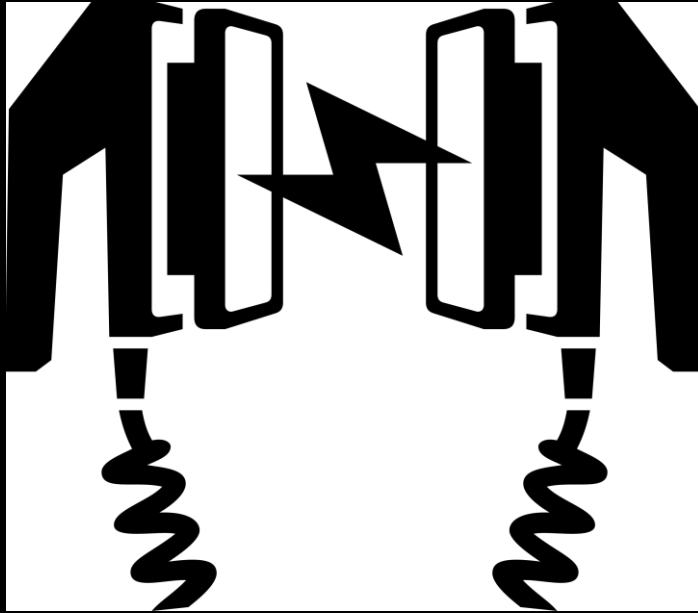


Photo cred: Jon Tyson @unsplash

Loperamide Relative Interest



Loperamide



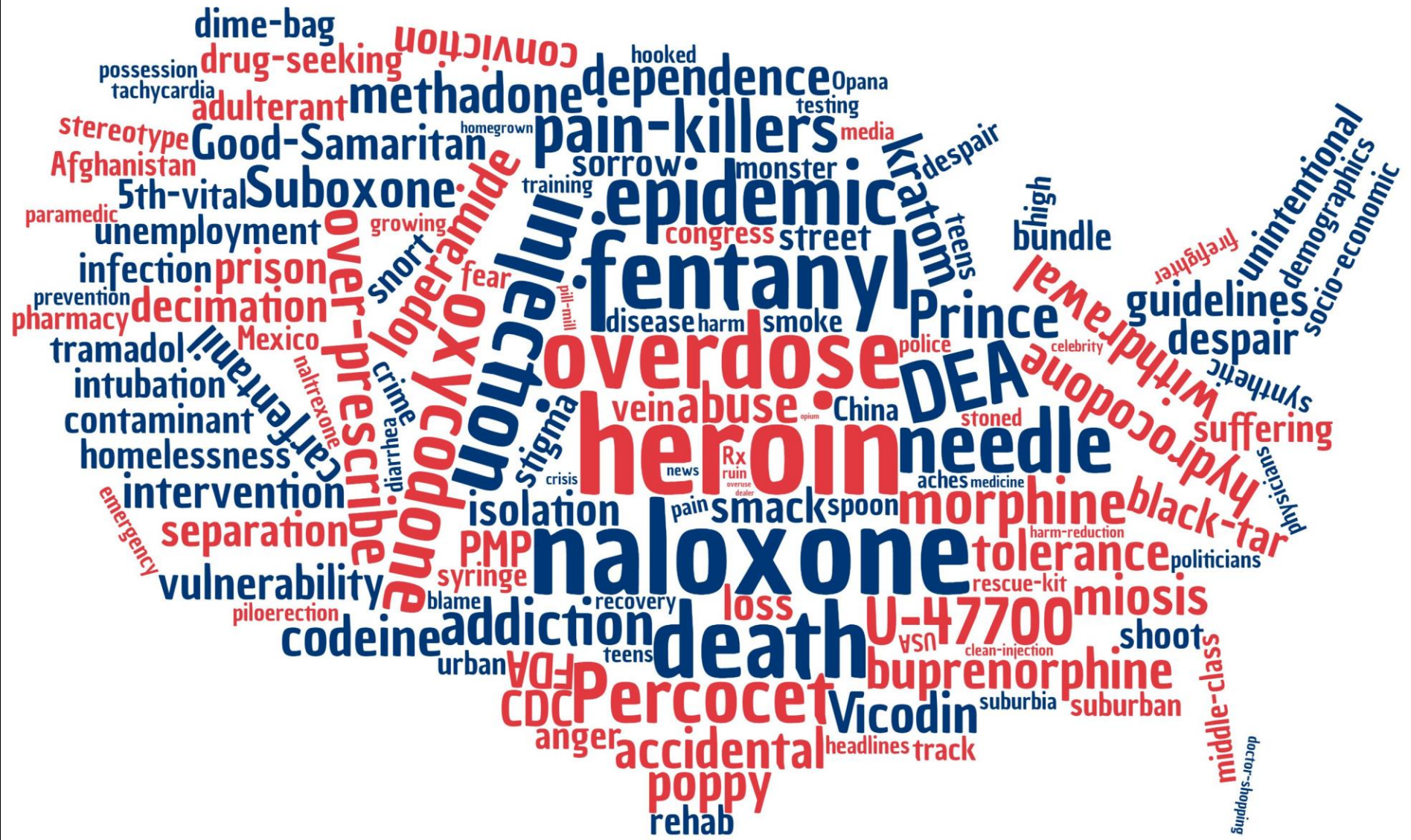
Final Thoughts

- Be aware of behaviors and abnormal behaviors
- Recognize the household products that can be abusable
- Talk to your kids!
- Dispose of unwanted/unused medications
- Poison Center
 - 1-800-222-1222

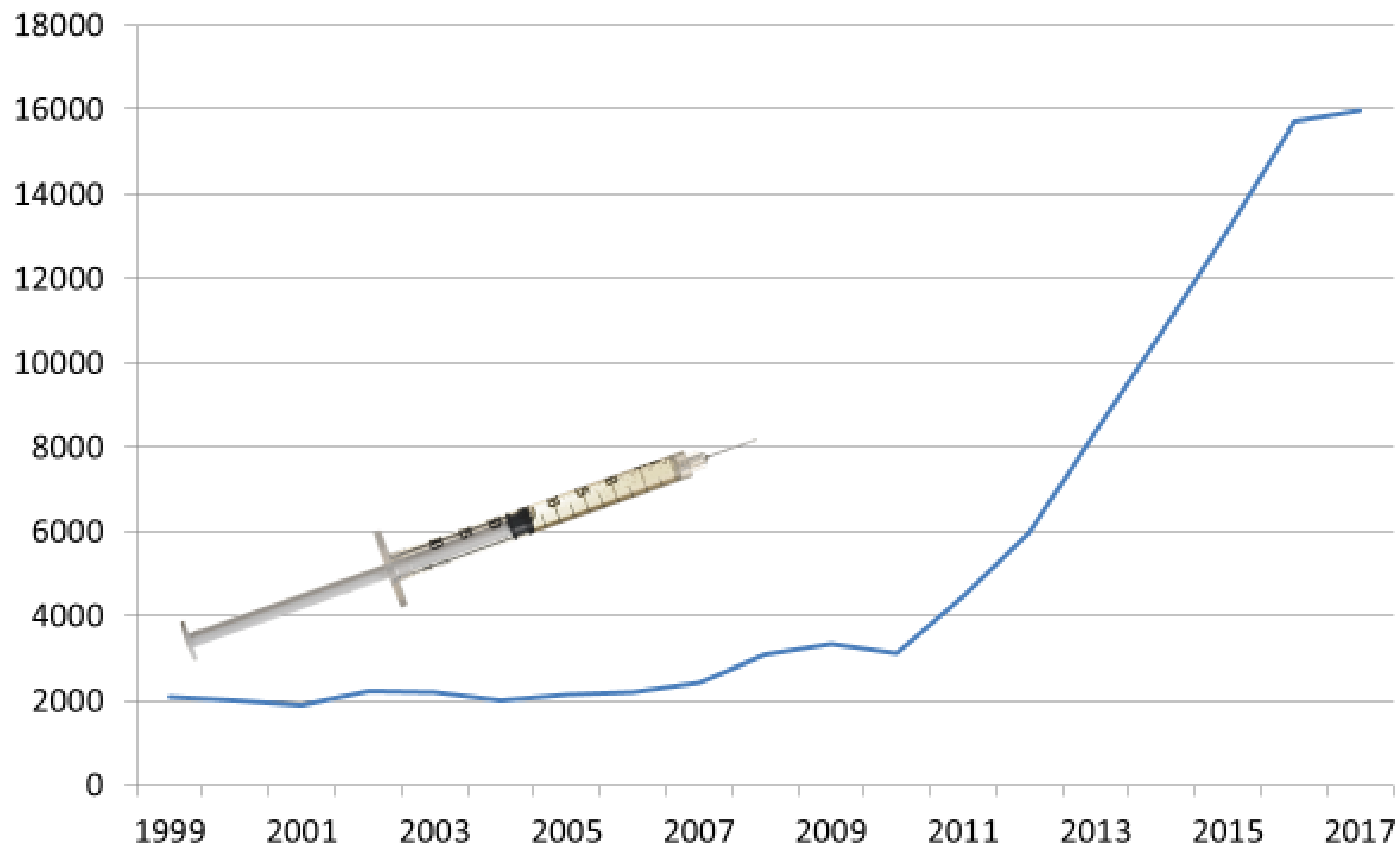


New on your Block

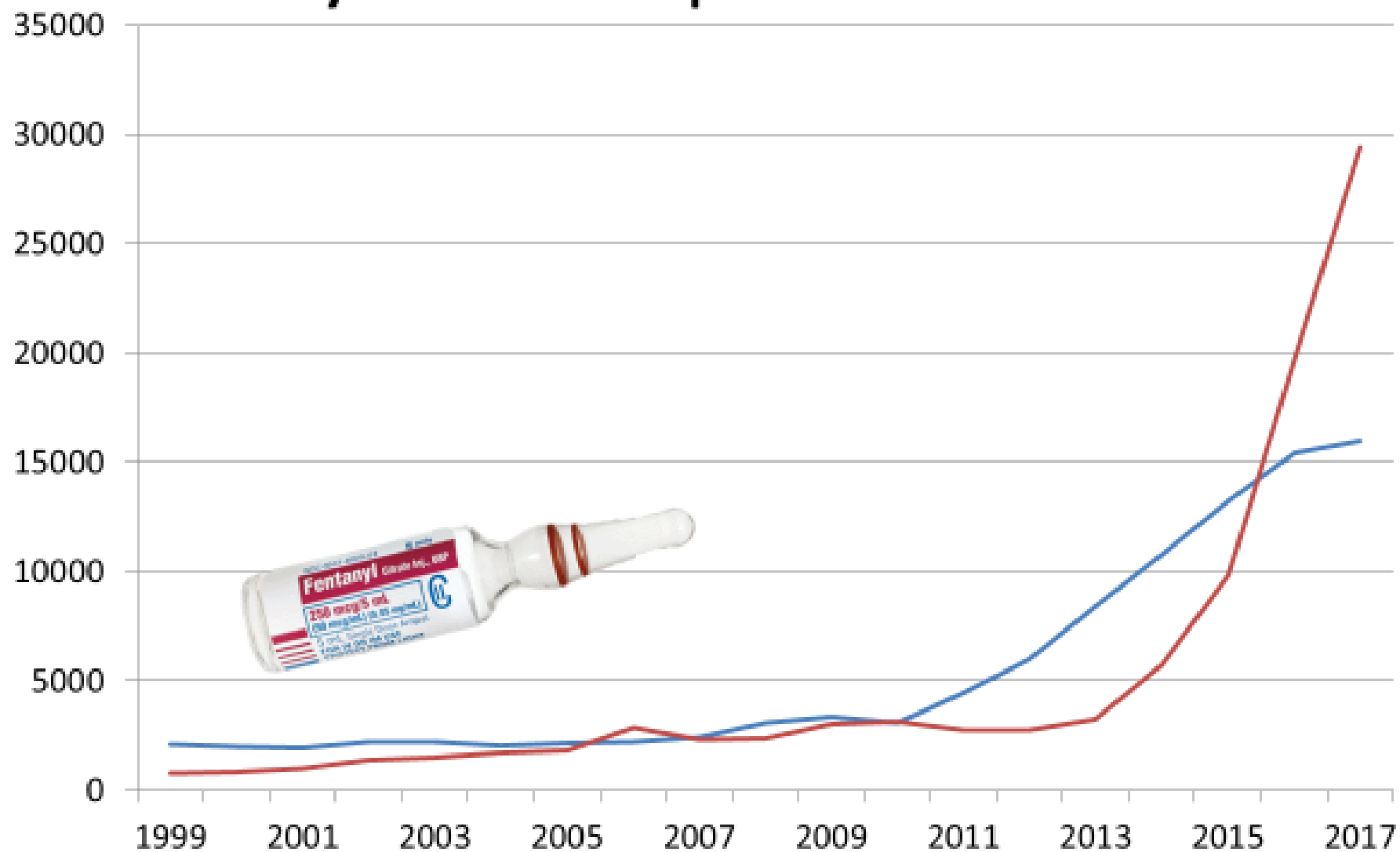




Heroin Deaths



Synthetic Opioid Deaths



Alleged drug dealer busted with 30,000 fake Oxy pills in car

Posted: Aug 17, 2017 7:45 PM EDT

Updated: Aug 18, 2017 12:31 AM EDT

By azfamily.com News Staff [CONNECT](#)

PHOENIX (3TV/CBS 5) - A Phoenix man has been arrested after police reportedly found 30,000 fentanyl (fake Oxy) pills in his car.

Rosendo Ortiz, Jr., 27, faces multiple charges including conspiracy, possession of narcotic drugs for sale and misconduct involving weapons.

Police say on August 13, they got a tip about a possible drug deal going down near Food City near 91st Avenue and Thomas.

Investigators say they watched as Ortiz allegedly met with a courier, and that the courier handed over several packages to Ortiz.

Police then stopped Ortiz several blocks away for a traffic violation. When police searched his car, they reportedly found four packages containing about 30,000 fentanyl pills and a loaded gun.

"This massive seizure removed thousands of potentially lethal doses of this powerful narcotic off the streets," said Doug Coleman, Special Agent in Charge of DEA in



(Source: DEA)



Rosendo Ortiz, Jr., 27 (Source: Maricopa County Sheriff's Office)



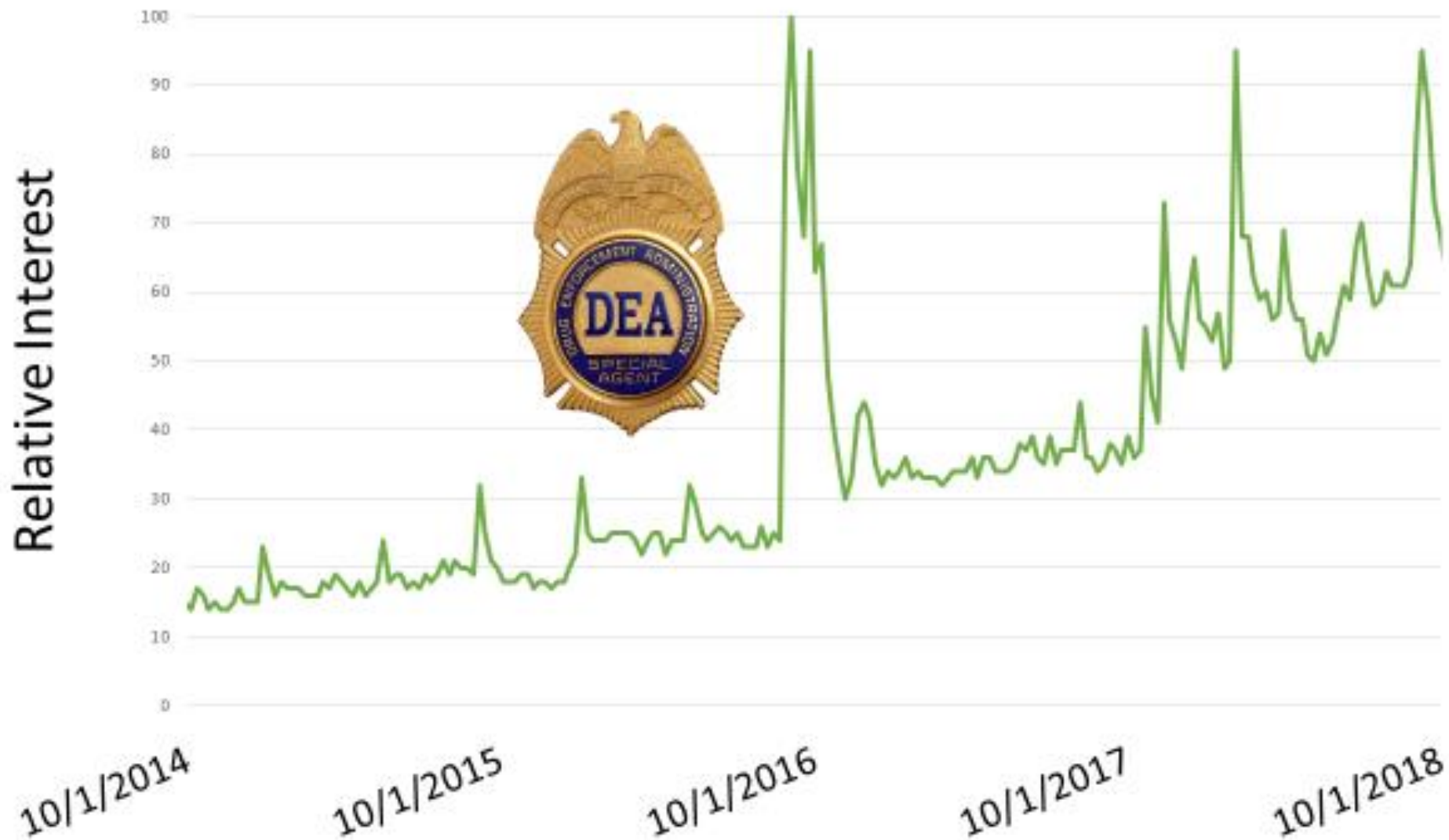


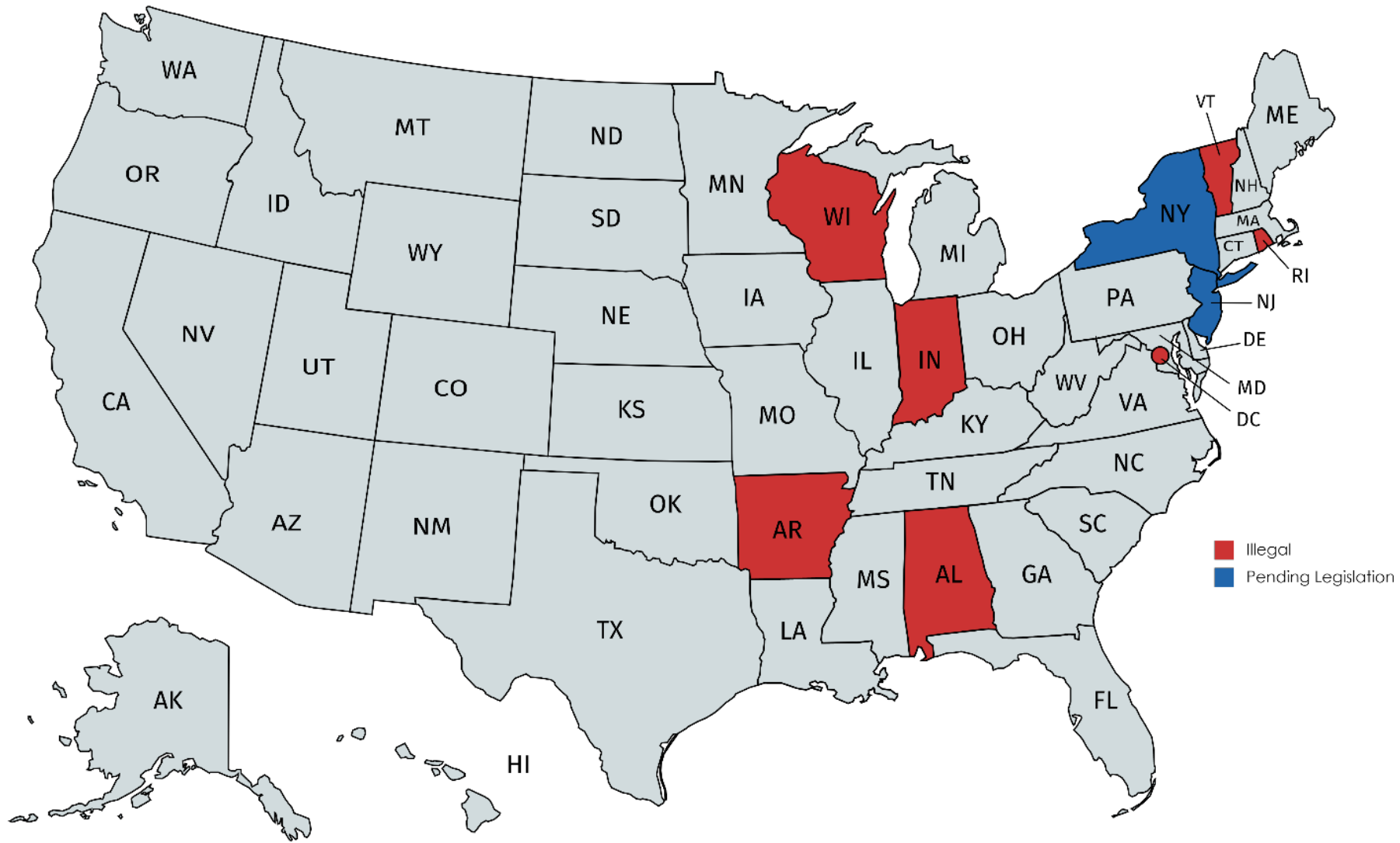
1-5 g

5-15 g



Kratom Interest in the United States







Spike Nation

Cheap, unpredictable and hard to regulate, synthetic marijuana has emergency responders scrambling to save lives.

By STEVE FEATHERSTONE JULY 8, 2015



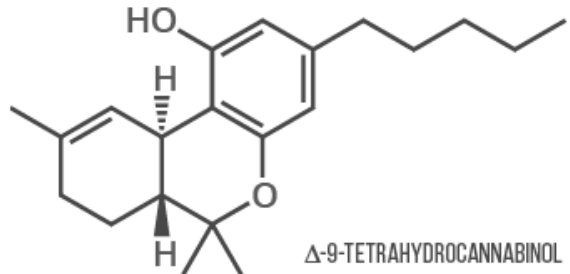
PSYCHOSIS



CANNABIS & SYNTHETIC CANNABINOIDS

In recent years, the use of synthetic cannabinoids as a substitute for cannabis has been on the increase. However, there is also some concern about their potential effects on users. This graphic looks at what synthetic cannabinoids are, how they can be classified, and some of the effects that they can have.

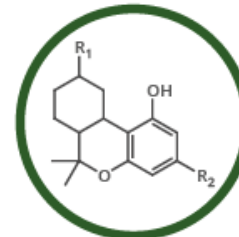
CANNABIS & CANNABINOIDS



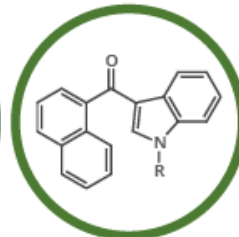
Cannabis contains a large number of different cannabinoid chemicals. The main psychoactive constituent in cannabis is the cannabinoid tetrahydrocannabinol (THC). It acts on cannabinoid receptors in the brain, causing a range of psychological effects.



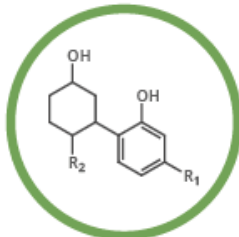
SELECTED CLASSES OF SYNTHETIC CANNABINOIDS



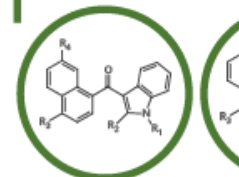
CLASSICAL
(structure similar to THC)



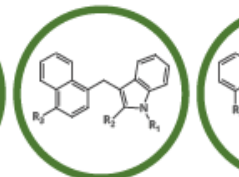
AMINOALKYLINDOLES
(number of subclasses)



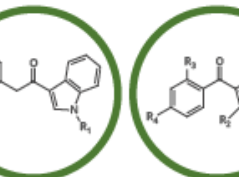
NON-CLASSICAL
(e.g. cyclohexylphenols)



NAPHTHOYLINDOLES
e.g. JWH-018



NAPHTHYLMETHYLINDOLES
e.g. JWH-175



PHENYLACETYLINDOLES
e.g. JWH-167



BENZOYLINDOLES
e.g. RCS-4

SYNTHETIC CANNABINOIDS & THEIR EFFECTS



SYNTHESIS

First synthesised in labs in the 1980s for research purposes.



ILLICIT USE IN 'SPICE'

Sprayed onto dried herbs then smoked or ingested.

2-100x

HIGH POTENCY

Synthetic cannabinoids can be much more potent than THC.



SERIOUS SIDE EFFECTS

Adverse effects often much more severe than for THC.

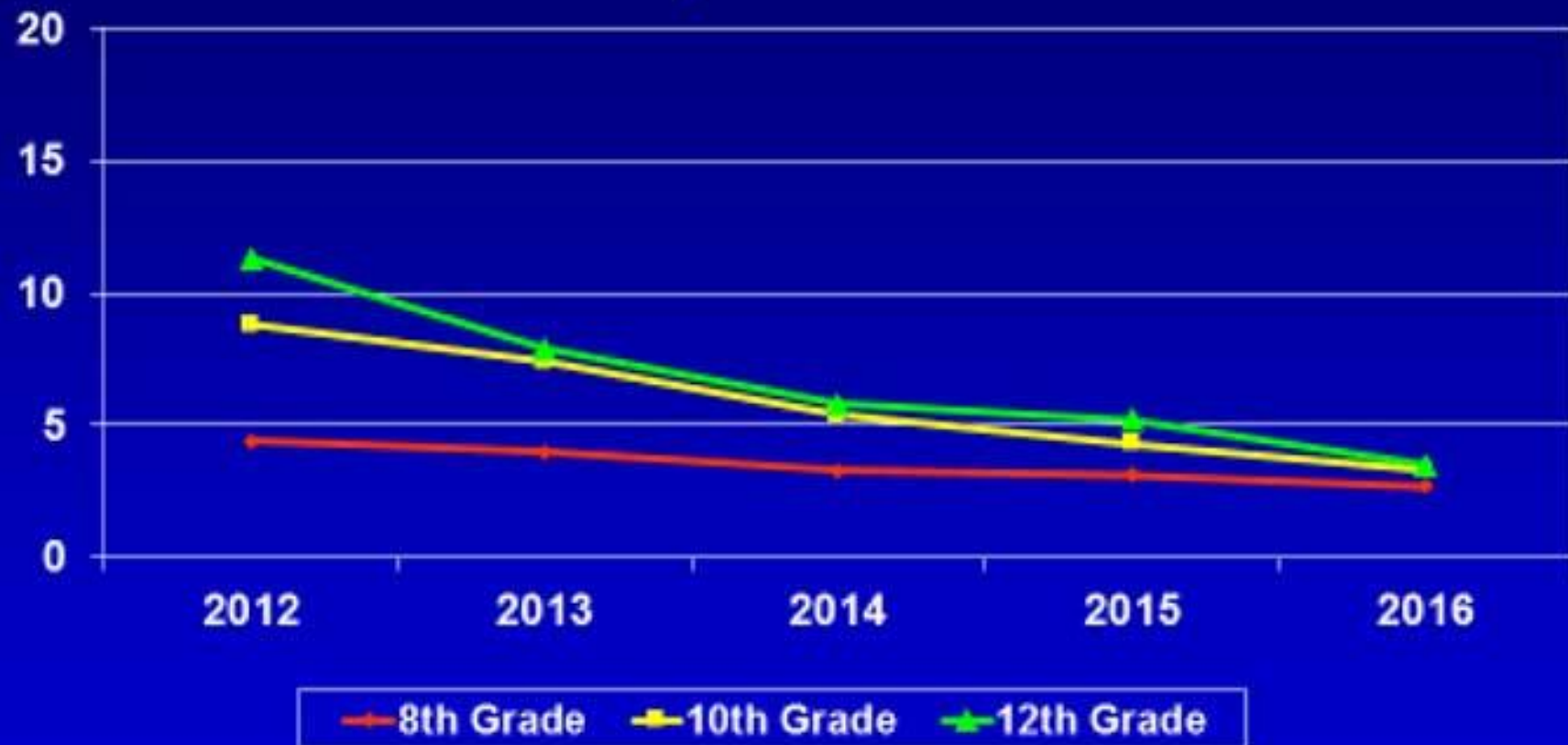
Synthetic cannabinoids (SCs) were never intended for human consumption, but synthesised to investigate potential medicinal uses of cannabis. They target the same receptors, but have a higher efficacy than THC. There is no published safety data for the compounds, and little is known about their effects in humans. Many are controlled substances, but modifications of the compounds produces new entities not covered by legislation. Use of SCs is linked with nausea & vomiting, anxiety, psychosis, seizures, acute renal failure, and in cases, death.

Synthetic cannabinoids can be classified in a number of ways. Broadly, they can be split into three groups: classical cannabinoids, which are structurally related to THC; aminoalkylindoles, the most numerous, which can be further split into a number of subclasses; and non-classical, including cyclohexylphenols and other compounds. Other classifications split them into further groups. A group not shown here is the eicosanoids.

A number of the compounds have 'code names'. JWH stands for John W. Huffman, who synthesised many new cannabinoids. Others have more obscure origins; AKB-48 is named after a Japanese girl band, whilst XLR-11 is named after the first liquid rocket fuel developed in the US.



Percent of Students Reporting Use of Synthetic Cannabinoids in Past Year, by Grade



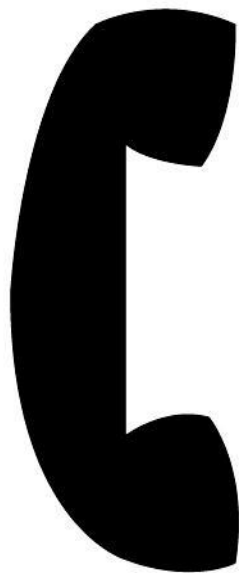
SOURCE: University of Michigan, 2016 Monitoring the Future Study





Even Newer Kids





**Upstate
New York
Poison
Center**

1-800-222-1222

www.upstatepoison.org