



FENTANYL

THE MORE YOU KNOW

Presented by: Amylia-Rae Gandolf, Benjamin Rudo, Cienna Corpuz, Chris Wung, & Trevondrick Francis

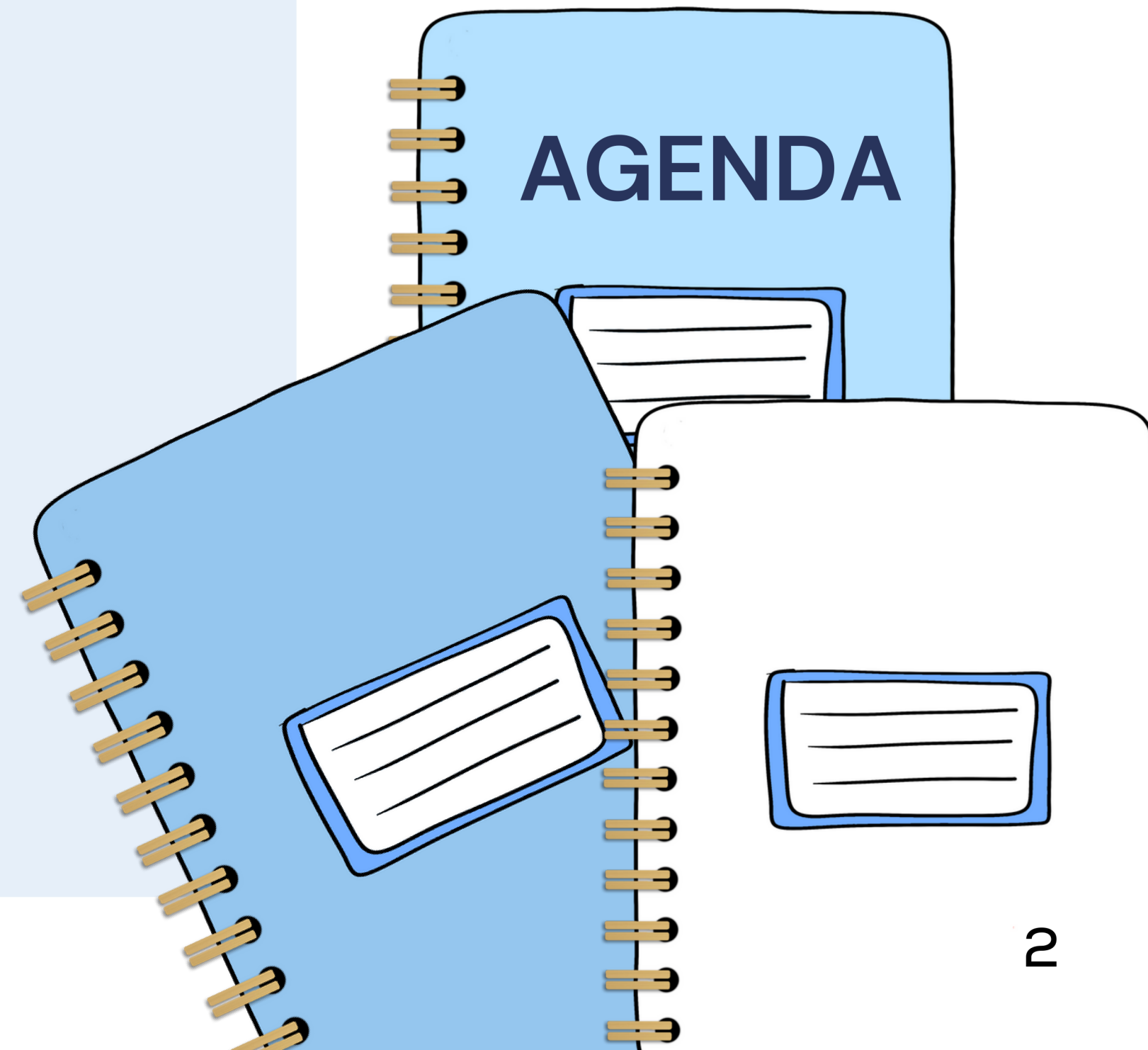
September 25, 2023

01. **WHAT IS FENTANYL?**
A general overview

02. **WHY DOES IT MATTER?**
The issue and the impact

03. **LATEST TRENDS**
Nationwide & Hawai'i

04. **WHAT CAN YOU DO?**
Steps to move forward



WHAT IS FENTANYL?



Fentanyl is a synthetic opioid that is...

50x stronger than heroin

100x more potent than morphine

OPIOIDS

A class of drugs that mimic substances found in the opium poppy plant.

Three Sources

Opiate: Found in the opium poppy plant
(Codeine, Morphine)

Semi-Synthetic: Derived from the plant but
chemically altered (Oxycodone, Heroin)

Synthetic: Made in a legal or illegal
laboratory. Ultra potent
(Fentanyl, Methadone)



WHAT ARE THE EFFECTS OF OPIOIDS?



Opioids are analgesics (pain killers) and CNS depressants that come with several side effects:

Euphoria

Nausea

Itchiness

Constipation

Constricted pupils

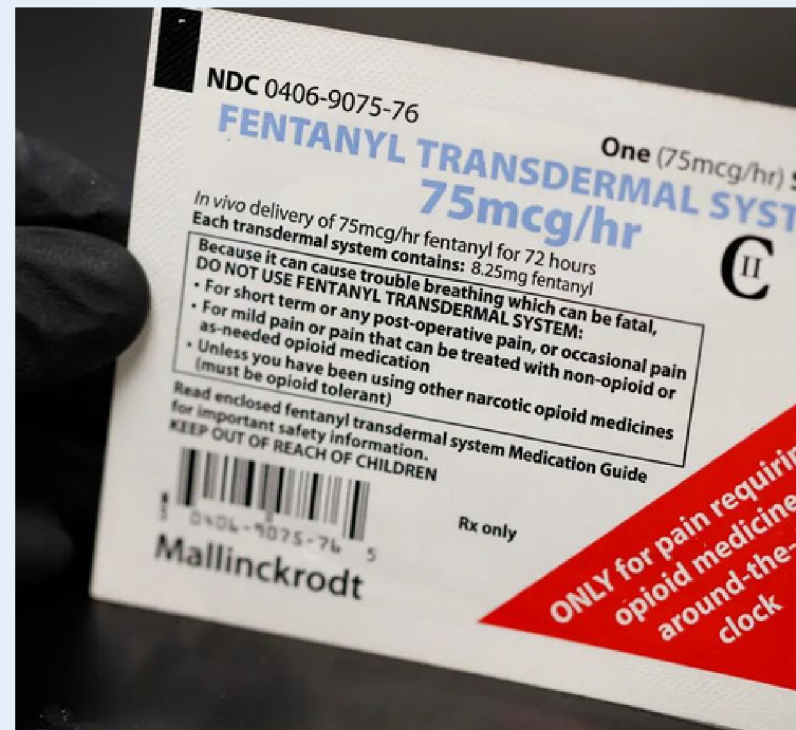
Respiratory Depression



MEDICAL FENTANYL



Injectable Liquid
Used during anesthesia



Transdermal Patches
For selected chronic pain patients



Transmucosal Swab
Rapid relief for cancer patients

STREET FENTANYL



Counterfeit Opioids
Pressed Oxycodone



Counterfeit Stimulants
Pressed Adderall



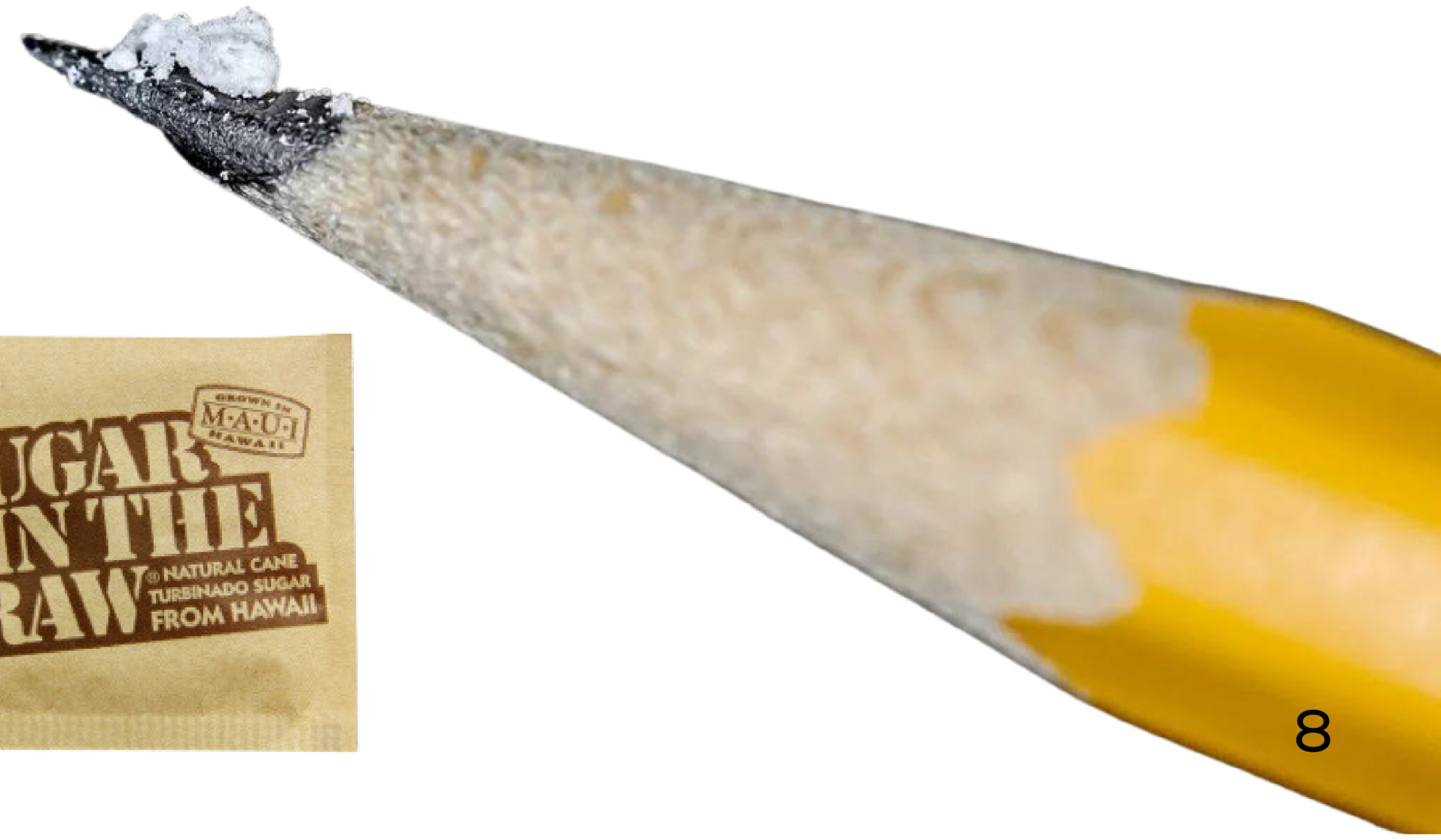
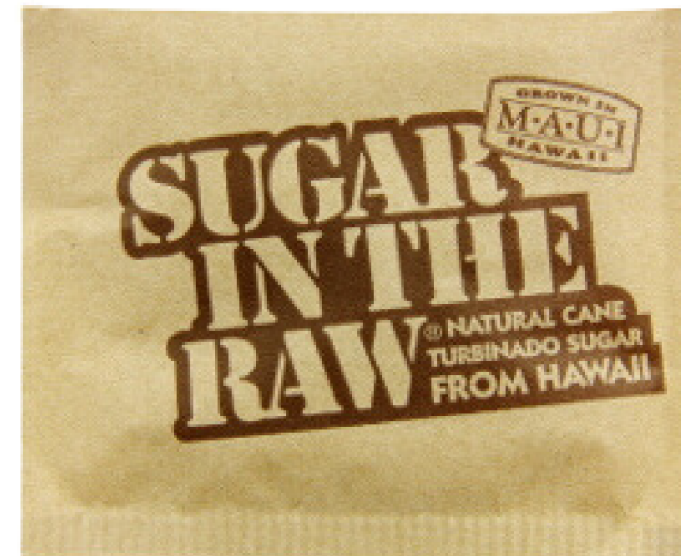
Counterfeit Benzodiazepines
Pressed Xanax



Powdered Substances
"Heroin" / "Coke"

FENTANYL POWDER

When ingested or inhaled, fentanyl powder has the power to kill with just 2 milligrams. By comparison, a sweetener packet contains 1,000 milligrams per packet. It is more deadly than cyanide.



RAINBOW FENTANYL



Fentanyl comes in a variety of different colors and forms. Brightly colored fentanyl (rainbow fentanyl) is the result of internal competition among distributors.

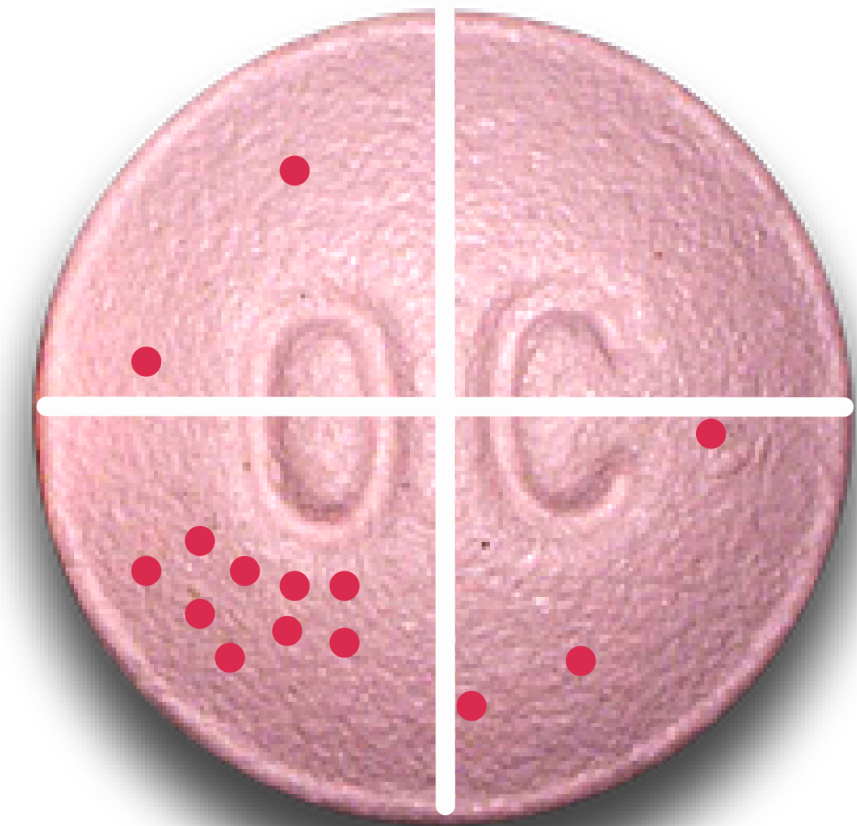
THE DANGERS OF STREET PILLS

Illicit (illegal) pill production is not regulated which results in inconsistency between pills, making each one a guessing game.

The poorly mixed powder can create "hotspots" within pills.

60% of pressed pills contain lethal doses of fentanyl to opioid naive people.

Fentanyl: ●



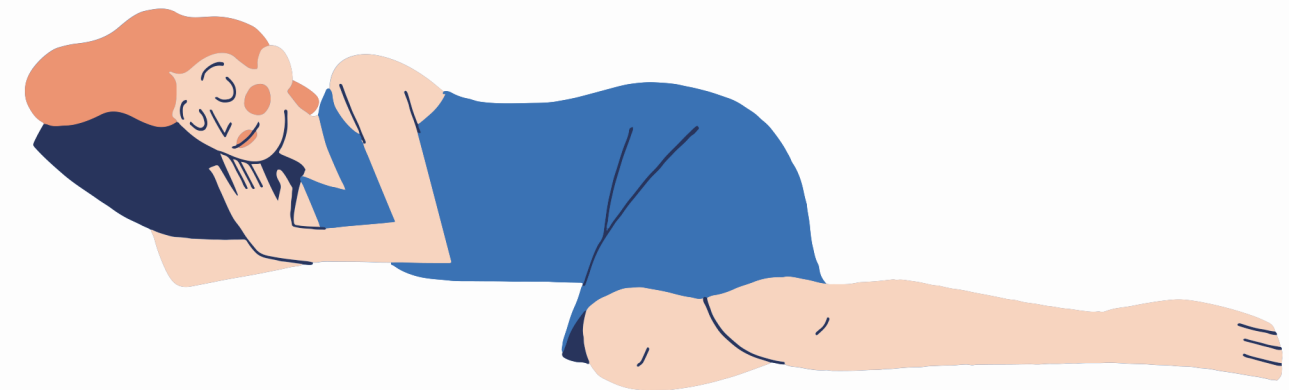
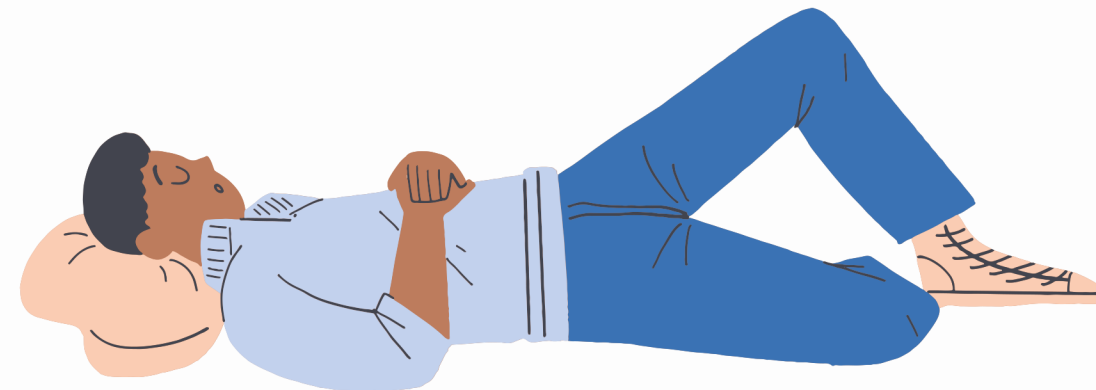
Unevenly mixed pressed pill

"PAIN KILLERS"

Pain medications are one of the most commonly prescribed medications in the United States.

The “hook” to addiction is... relaxation and feelings of contentment.

The “barb” of addiction is... relief from withdrawal symptoms



Fentanyl & other opioids offer this type of relief, which is why opioid addiction is such a major issue.

PROGRESSION OF ADDICTION

Starts off great, creates a feeling of:

"I like it"

Quickly develops to:

"I want it"

Within weeks becomes:

"I NEED IT"



*Physical withdrawal symptoms will now develop without it

THREE TYPES OF OPIOID WITHDRAWALS

Acute

Several hours after the last dose. Includes aches and pains, flu-like illness, diarrhea, RLS, trouble sleeping



DEPRESSION

Protracted

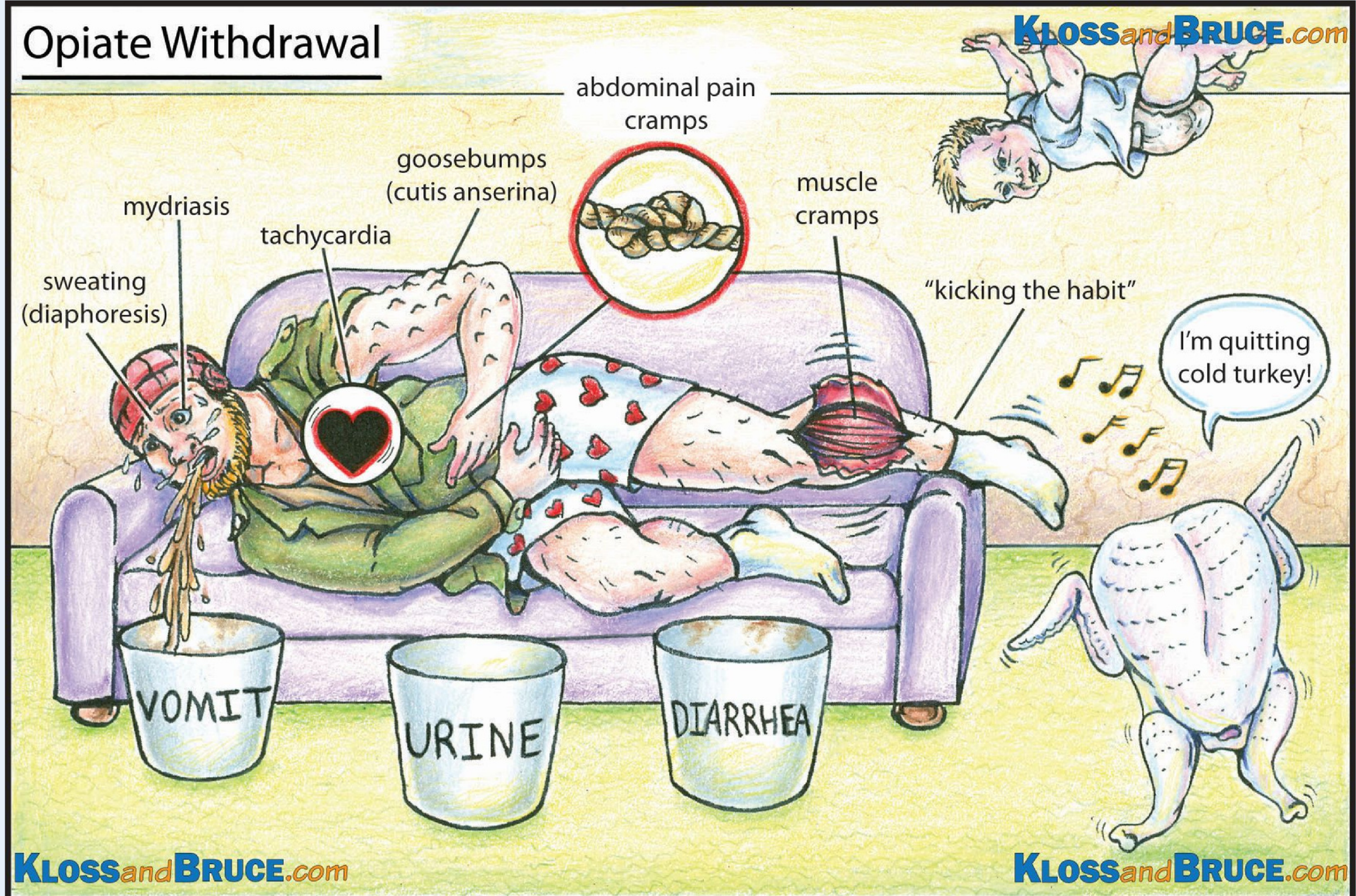
2 weeks - 18 months after the last dose. Includes symptoms of depression, anxiety, cognitive issues, apathy, and trouble sleeping



Precipitated

Immediately after naloxone, naltrexone, or buprenorphine is administered causing withdrawal. Individuals appear agitated and desperate

Opiate Withdrawal



FACT VS FICTION



Powdered fentanyl will NOT absorb through the skin and cause an overdose.

Only specially formulated patches can administer fentanyl through the skin.



Different pill colors were created due to competition between dealers



Fentanyl powder CAN be absorbed through membranes in the nose.



Fentanyl can be absorbed through the skin, causing an overdose.

Insignificant amounts can absorb and will never cause an overdose



Rainbow fentanyl was created to entice youth.



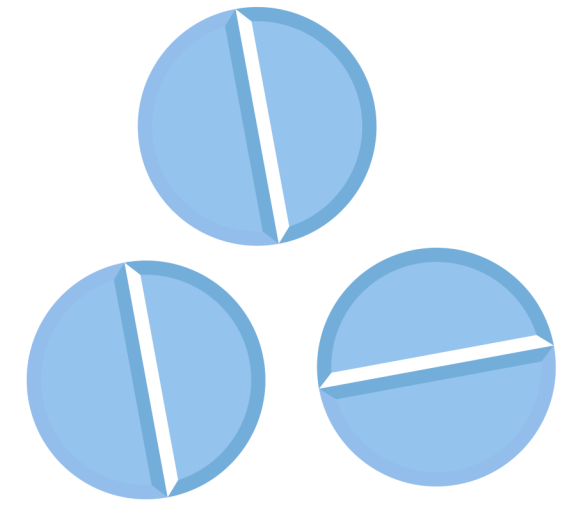
Fentanyl is dangerous and should never be used

Fentanyl is used daily in hospitals around the world

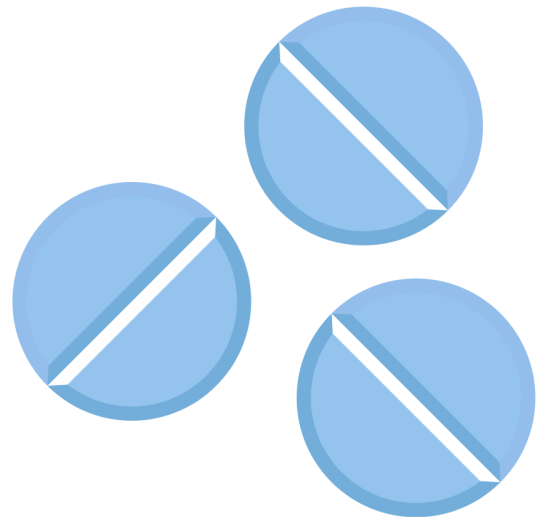
Now that you know the facts...

**WHY DOES IT
MATTER?**



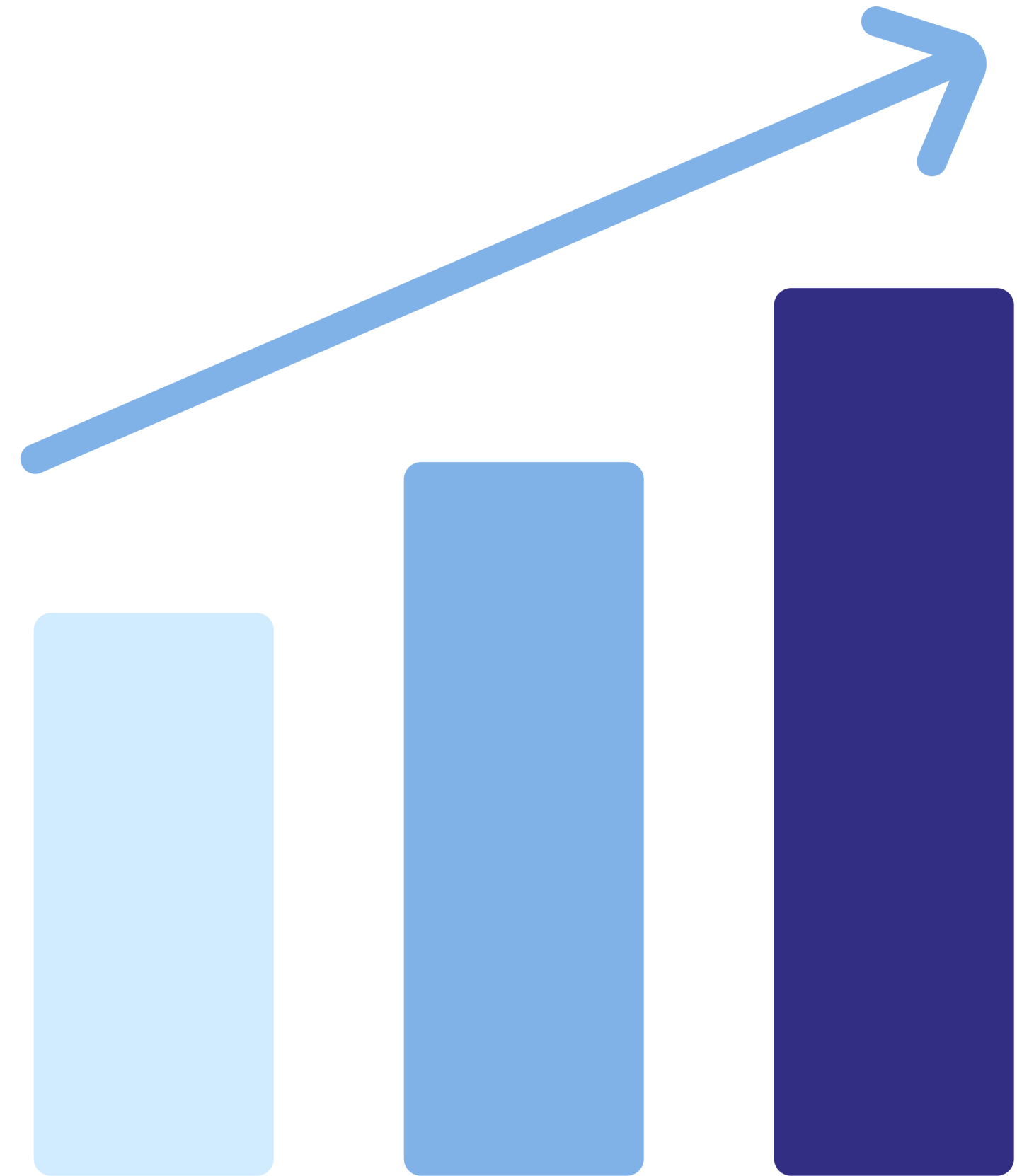


Fentanyl is now the #1 cause of death for Americans aged 18 to 45

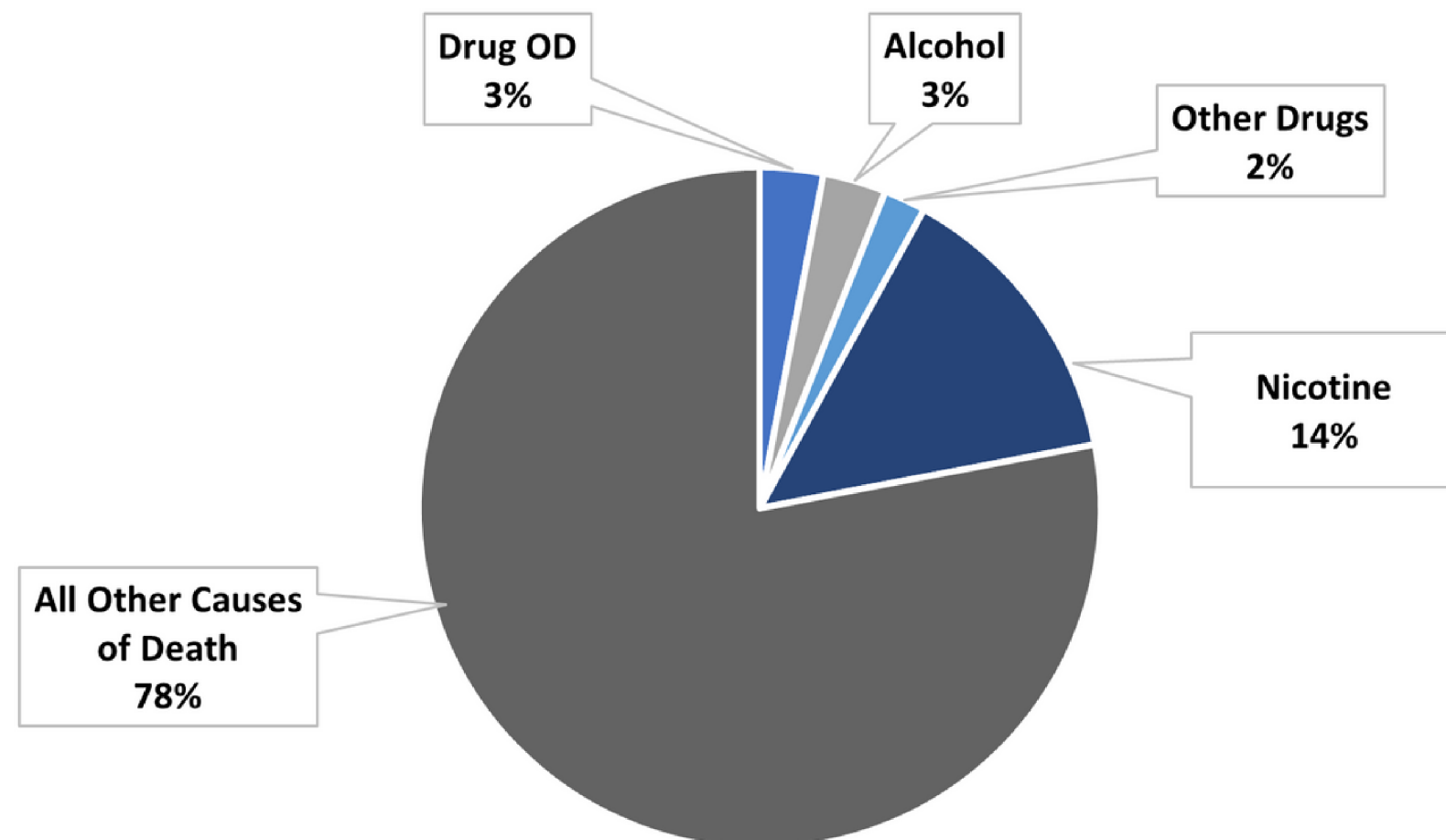


LATEST TRENDS

- Continental U.S.
- Hawai'i
- Distribution Patterns
- Youth



THE “UNITED STATES OF DRUGS”

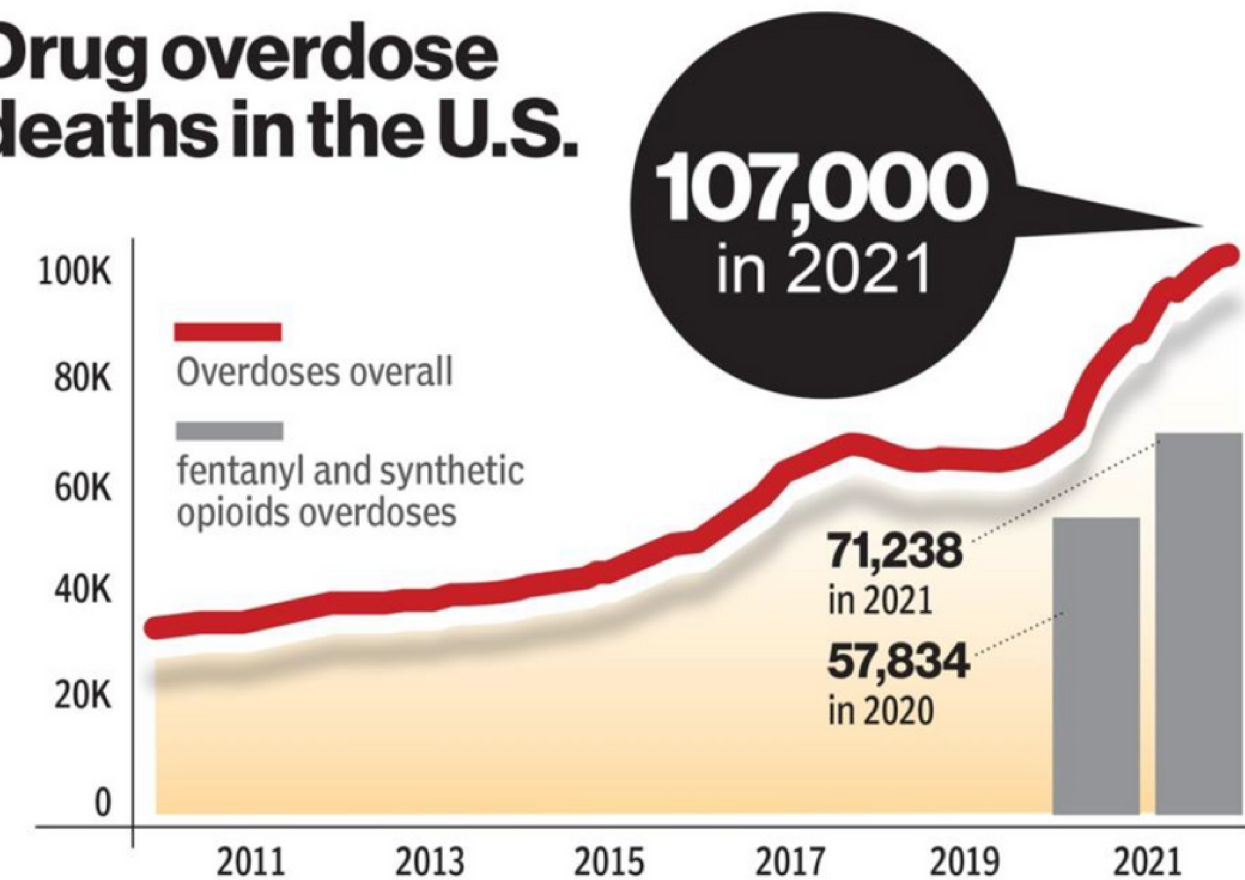


3.5 Million Total Annual U.S. Deaths, 2019-2021 Deaths

22% of deaths between 2019 and 2021 could have been prevented.

Nearly 70% of all overdose deaths in 2021 were fentanyl and synthetic opioid-related.

Drug overdose deaths in the U.S.



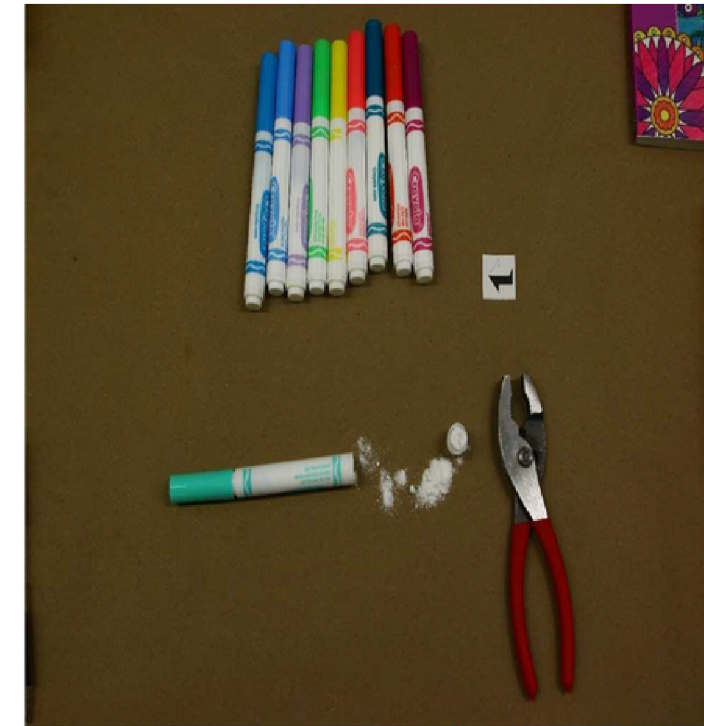
WHAT ABOUT HOME?

A dark blue silhouette map of the Hawaiian Islands is positioned on the right side of the slide, extending from the top right towards the bottom right.

Hawai'i County has one overdose death every 9 days and the State of Hawai'i has one every 31 hours.

Between 2020 and 2022, Hawai'i County has nearly doubled the rate of overdose deaths per year.

PATTERNS OF DISTRIBUTION



SDOH

Social Determinants of Health

The conditions of your environment affect the likelihood of addiction



GATEWAY TO DRUGS

- Hawai'i has the highest cost of living in U.S.
- 14% of Hawaii residents live in poverty. Nearly double for Native Hawaiians
- 51% of homeless people in Hawai'i are Native Hawaiian
- 14% of Hawaii public school students drop out

GATEWAY DRUGS

Alcohol, Nicotine (tobacco), and Cannabis (weed) are common substances among youth

Prescription medications can also be a gateway

- e.g. Xanax, Percocet, Adderall



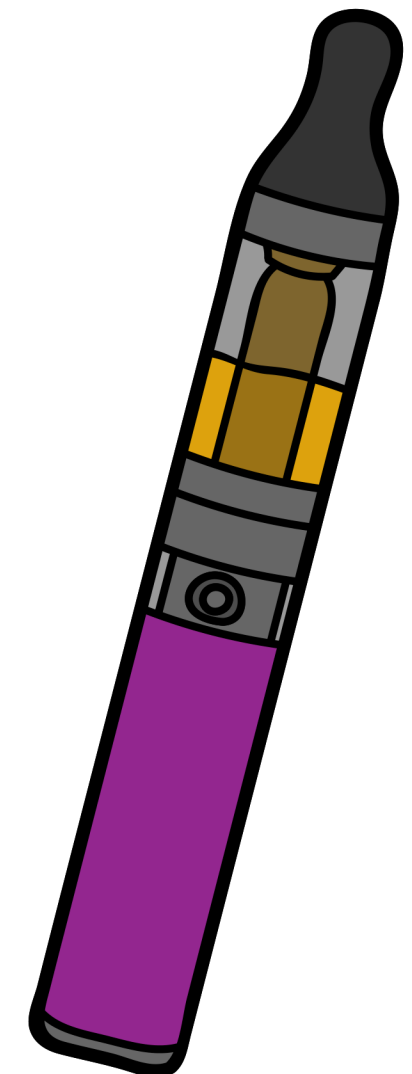
More often than not, you are a reflection of who you hang out with.

VAPING

An electronic form of cigarettes which encapsulates liquids that discharge into vaporized liquids.

Primary Dangers:

- Highly unregulated
- Potentially dangerous flavorings
- Heavy metal contamination
- Plastic burning
- EVALI (E-Cigarette or Vaping Associated Lung Injury)
- Popcorn Lung

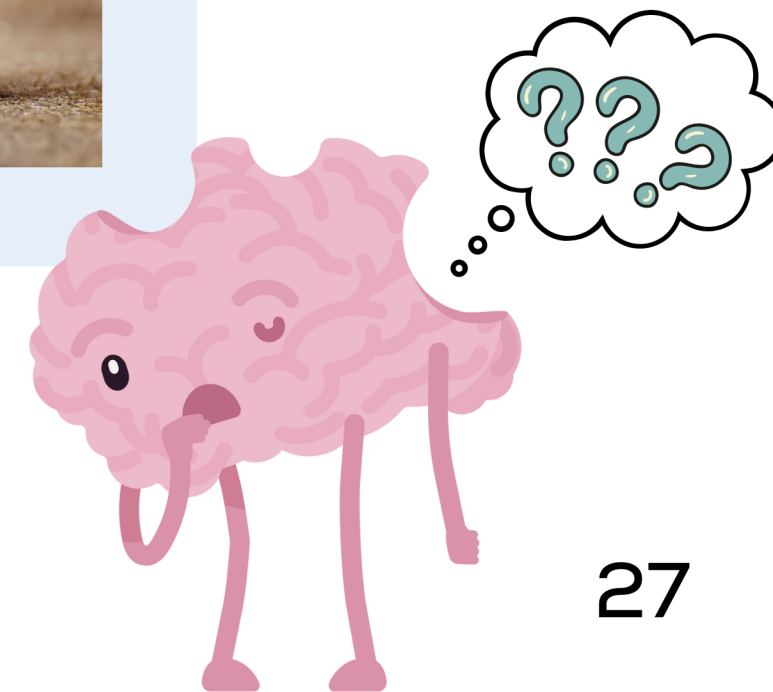




ALCOHOL

Primary Dangers:

- Brain damage
- Liver Damage
- Alcohol Poisoning
- Driving under the influence

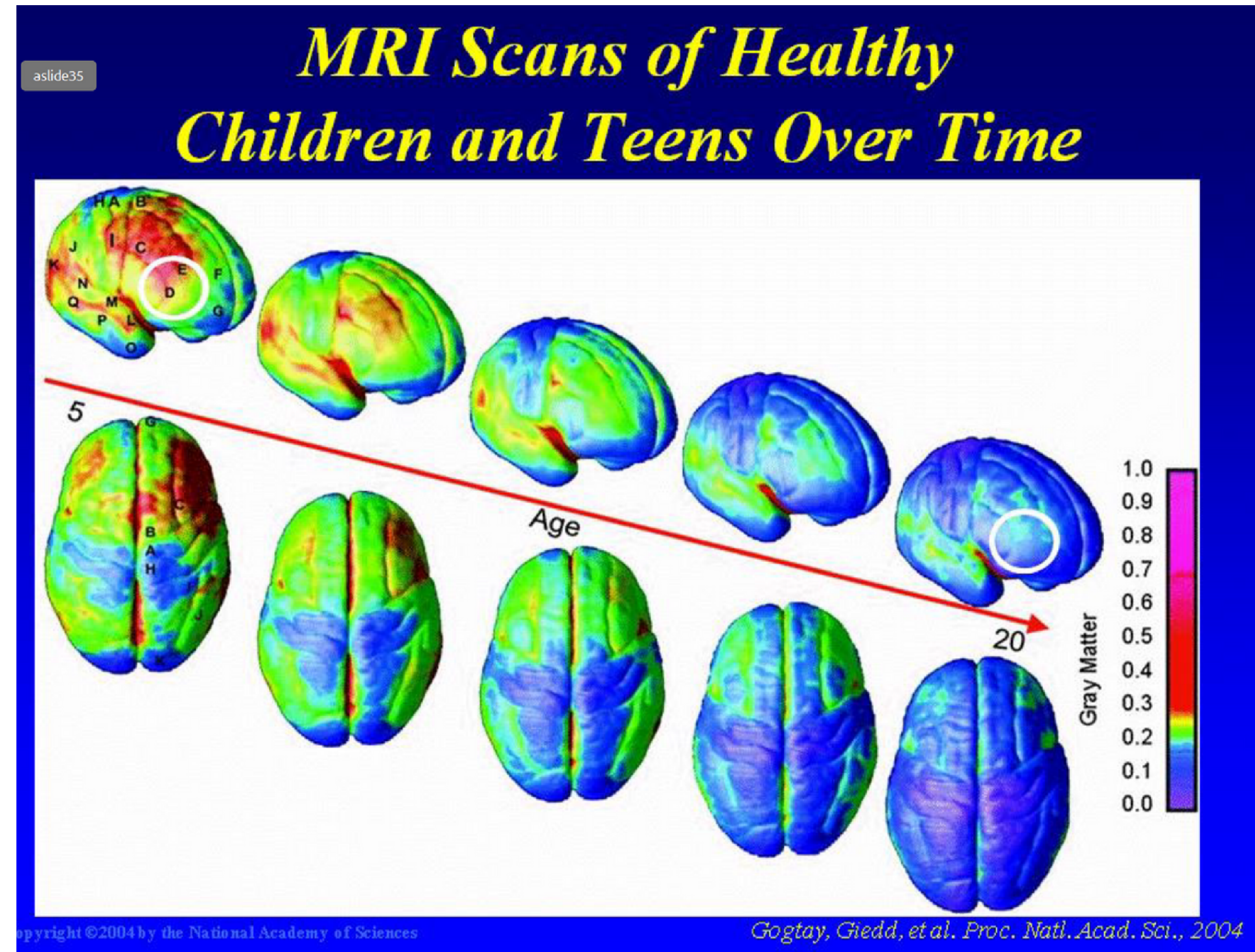


YOUNG MINDS

Addiction is a pediatric disease.

90% of those hooked on alcohol, tobacco, and drugs starting using them before the age of 18

The longer you put off using any drug, the better chances you have of not developing an addiction.



WHY IS THIS?

As the brain and pre-frontal cortex develops the risk of drug addiction drops significantly.

A youngster under age 15 who starts using anything, has a 28% chance of their brain being addicted as an adult.

Someone who waits to use when they're 21+ has a 4% chance.

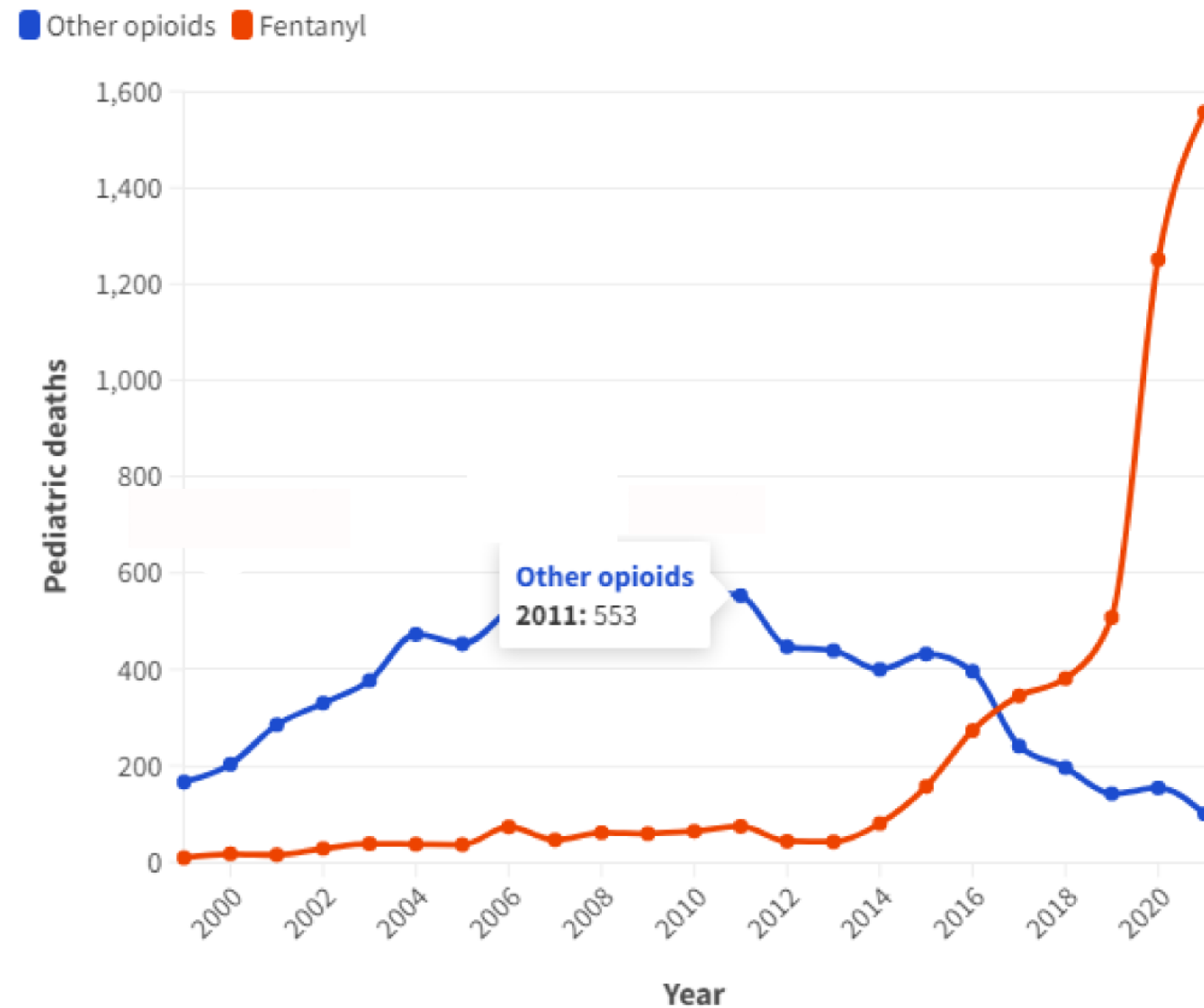
If you choose to use, wait until you're 25!



OR



Pediatric opioid deaths 1999–2021, fentanyl vs. other opioids



Significantly more deaths occur from Fentanyl than other opioids, in recent years

Source: CDC



good people



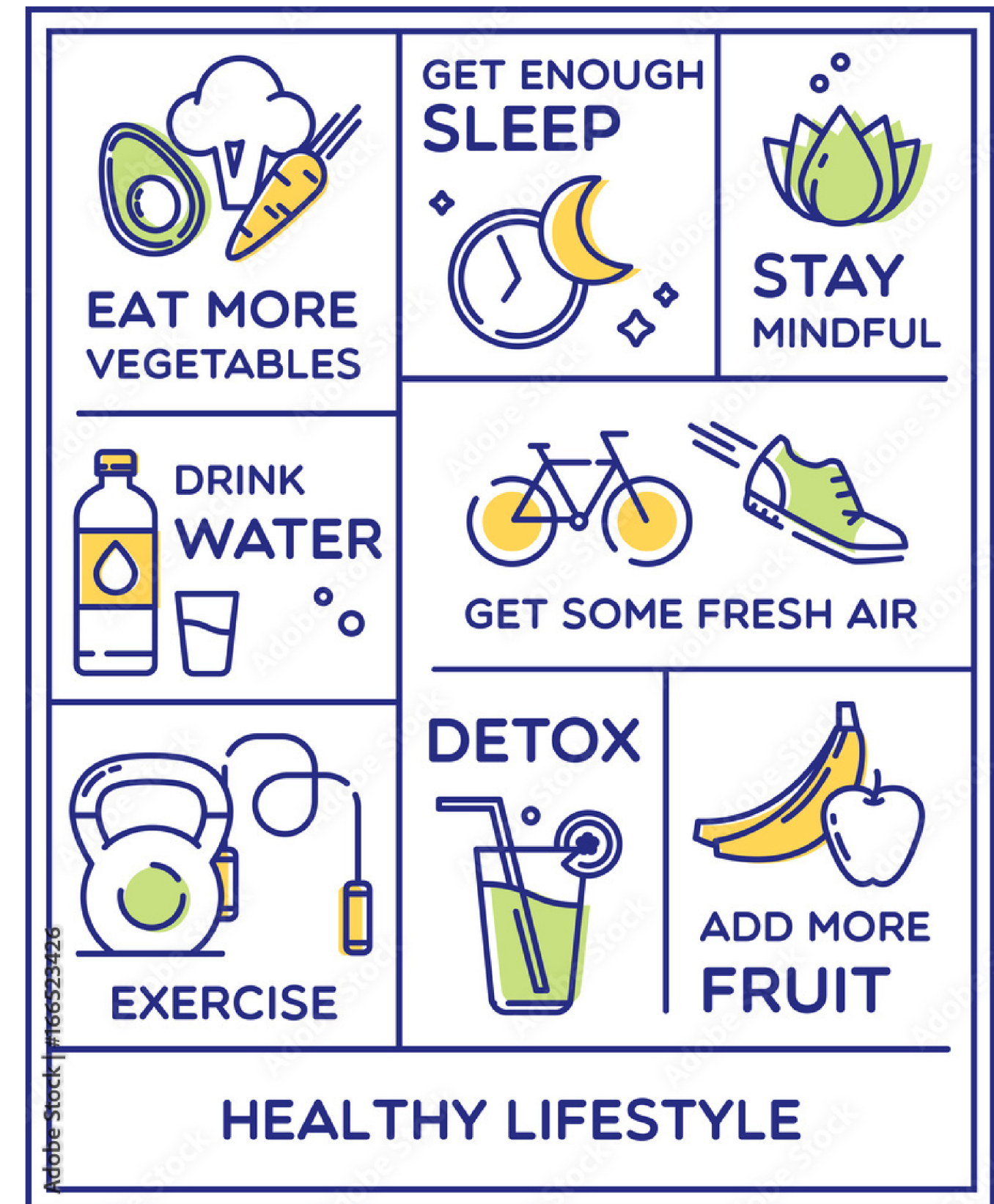
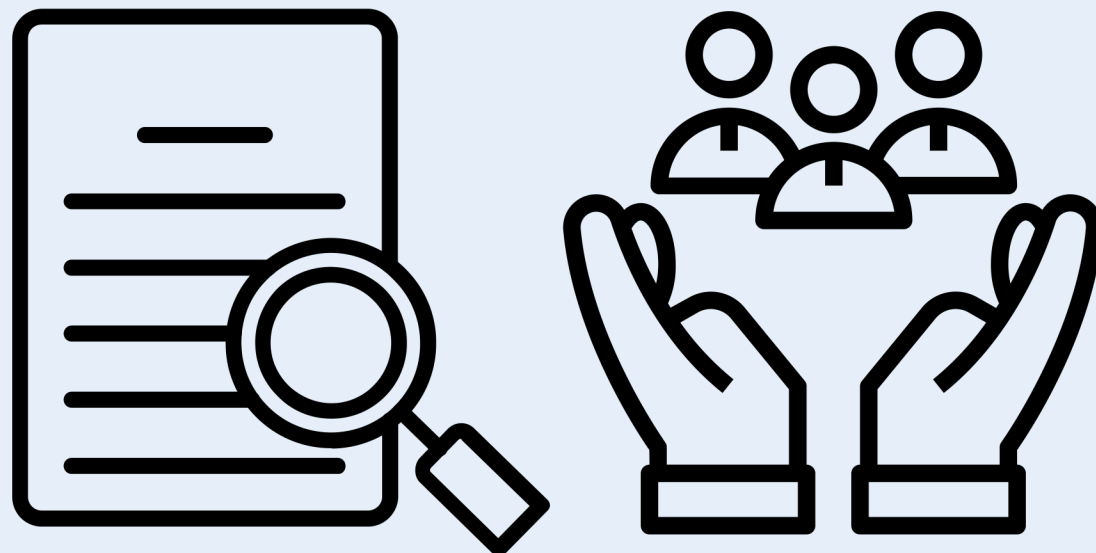
bad disease



*If you or someone you know needs help
we'll give you information at the end.*

WHAT CAN YOU DO?

- Maintain a Healthy Lifestyle
- Education
- Practice Harm Reduction
- Resources/Treatment



6 WAYS TO FEEL GOOD WITHOUT ADDICTIVE CHEMICALS

Talk Story;

Spend time w/Good Friends; Laughter
Support group or formal therapy

1

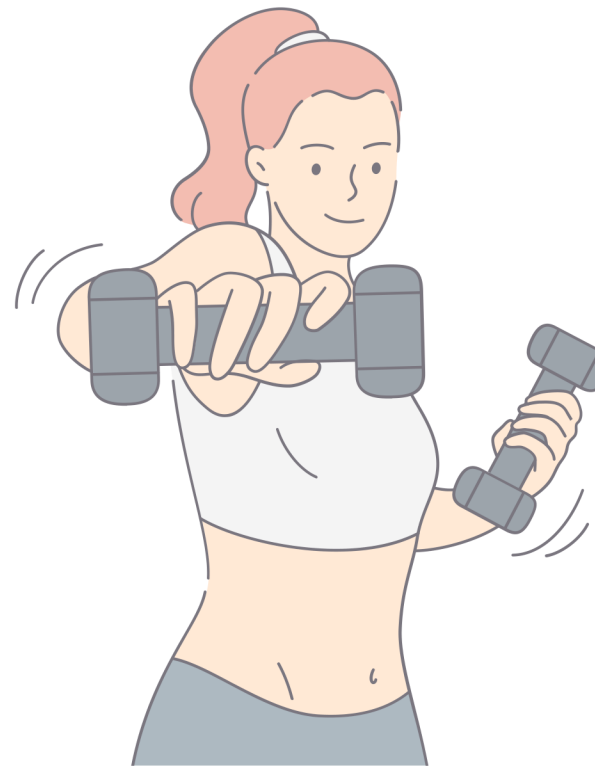
2

Set Goals

Feeling of accomplishment,
achievement, little “wins”

3

Exercise alone or with others
Walking, jogging, running, weight
training, sports

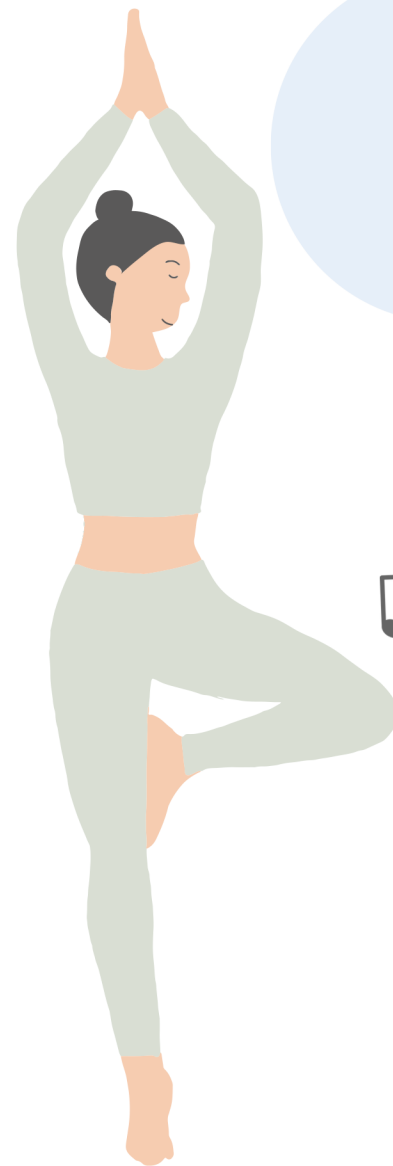


6 WAYS TO TRIGGER THE “FEEL GOOD” CHEMICALS IN OUR BRAINS SO WE DON’T NEED THE ADDICTIVE “OUTSIDE” CHEMICALS

Meditation

Prayer, yoga, sauna, positive self-talk

4



5

Music

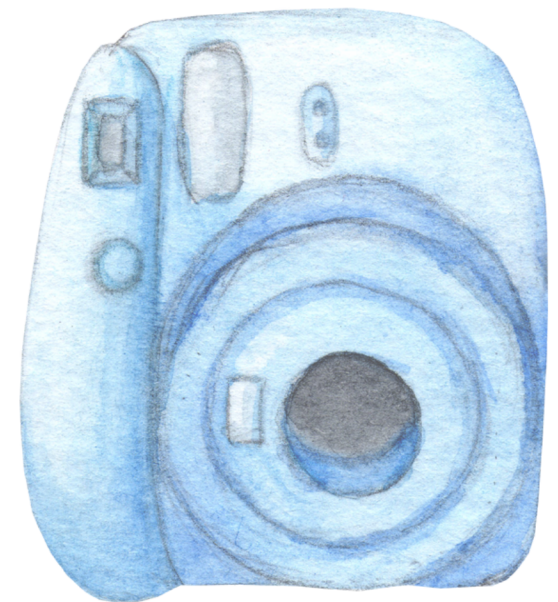
Playing and listening



Try Something New

Gardening, Cooking, Photography, etc.

6



SIGNS OF AN OVERDOSE

1 Check for Responsiveness

- Shake, shout, & rub sternum
- Check for shallow breathing (< 3 per 15 sec)
- Look for abnormal skin color and finger nails (blue, gray, pale)

2 Call 911

- Get medics on the way or instruct someone else to call them

3 Administer Narcan

- Give dose of narcan a move to recovery position
- Give additional doses if they do not wake up

4 Watch the victim

- Look for signs of improvment or worsening
- Try to keep them in sight & out of danger
- Encourage them to get medical attention

5 Provide CPR (if can)

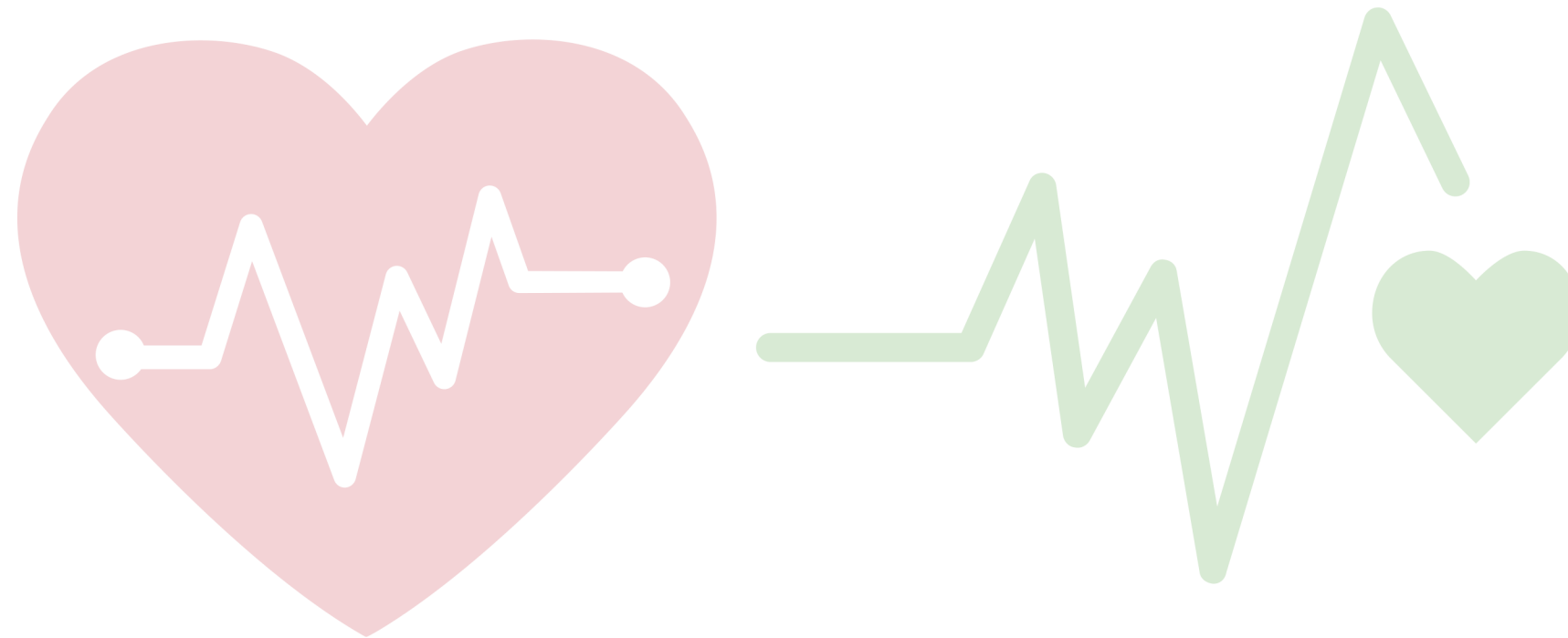
- If necessary, provide rescue breaths or perform CPR
- Do not attempt if you are untrained or uncomfortable

6 Give & Get Support

- Overdoses can be incredibly tramatic for both the victim and rescuer
- Don't hesitate to reach out for help
- Encourage the victim so seek long term treatment

WHAT IS NARCAN?

Brand name for a nasal spray form of Naloxone



Temporary antidote for fentanyl overdose

The effect of Narcan wears off between ~20 min. – 1 hr.



1

PEEL

back the package to remove the device



2

PLACE

the tip of the nozzle in either nostril until your fingers touch the bottom of the patient's nose



3

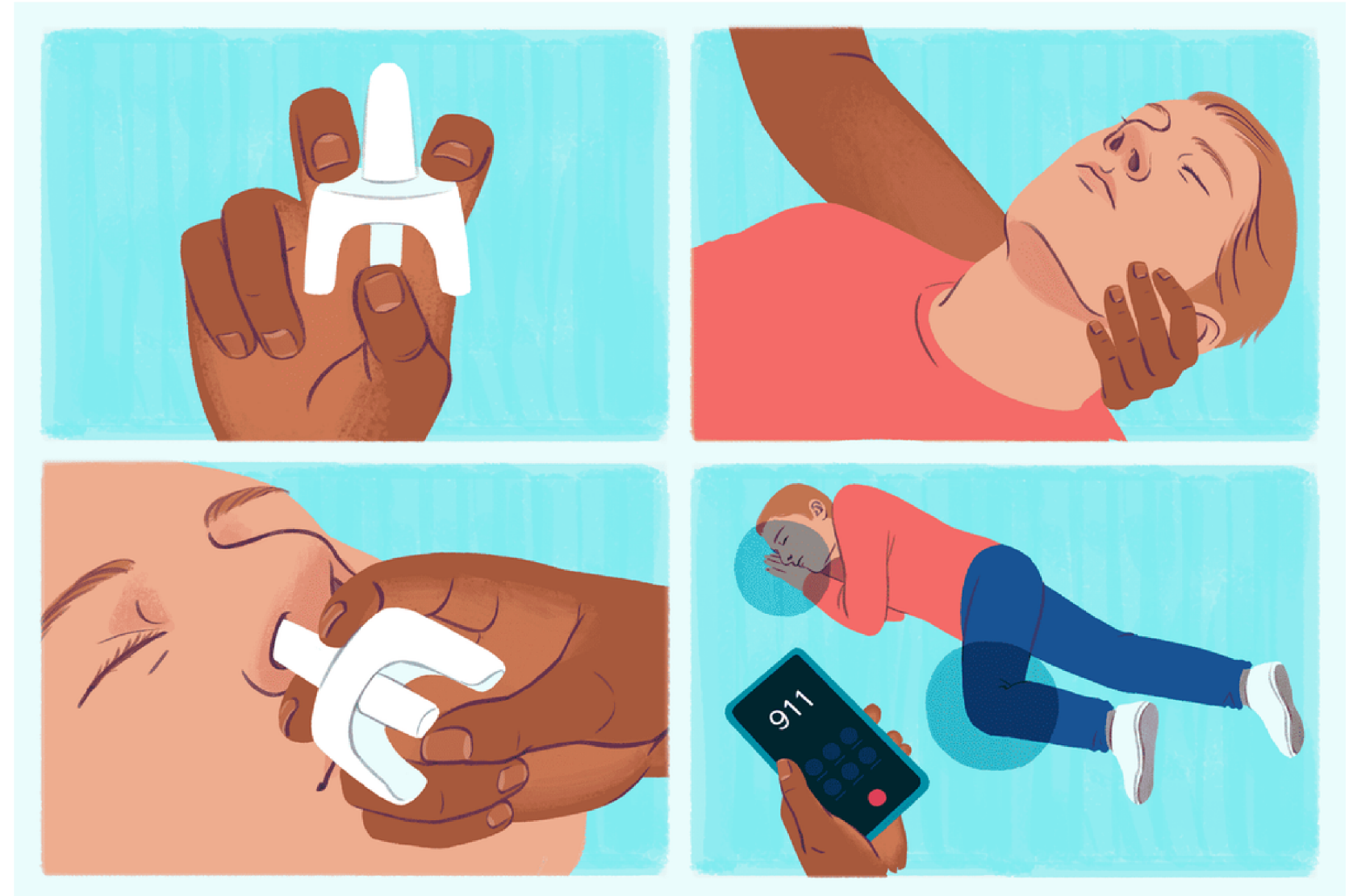
PRESS

the plunger firmly to release the dose into the patient's nose



NARCAN

- Safe, effective, and generally harmless
- The sooner administered the better chance of survival
- CPR may be a necessary supplemental action

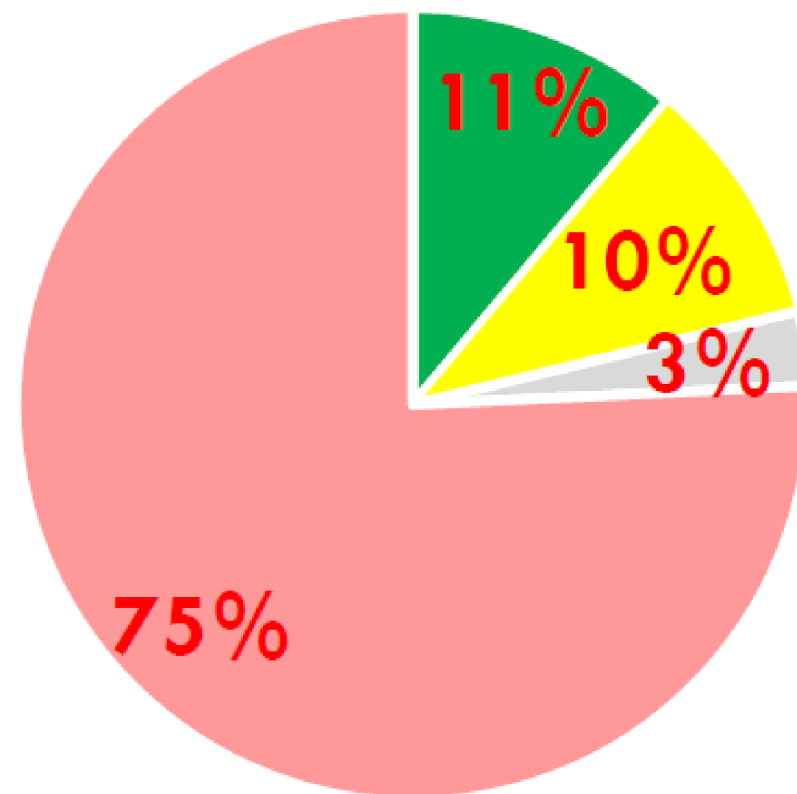


Warning: this may put opioid reliant people into precipitated withdrawal after administration

[illegible]**JANUARY 1, 2022 – MARCH 31, 2023**

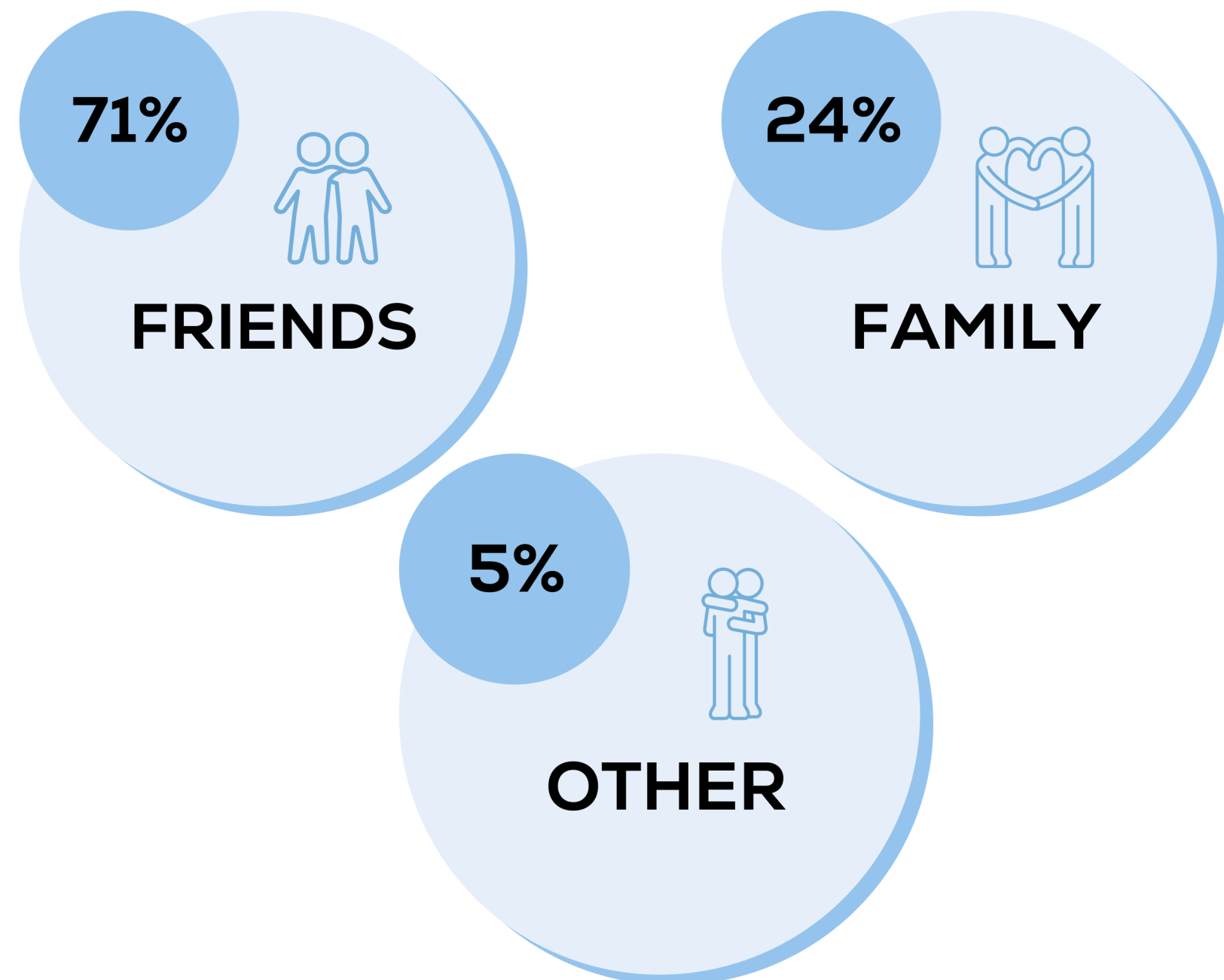
EMS Patient Breakdown for Opioid Overdoses

Pre-EMS naloxone?



■ bystander
■ first responder
■ other/unknown
■ none

Bystander Breakdown



TEST STRIPS

An essential component of harm reduction

No longer considered drug paraphernalia in Hawai'i

Detects trace amounts of fentanyl or xylazine ("tranq") in drug samples



WHAT IS SUBOXONE?

Brand name buprenorphine, an incredibly effective medication for opioid use disorder (OUD) that removes withdrawals and cravings



Minimal
potential for
abuse

Can now be prescribed by any medical provider, or go to the emergency room



5 TAKE HOME MESSAGES

1. Wait until age 25! Allow the brain to develop
2. Learn about addictive substances. BE EDUCATED!
3. Adopt a lifestyle that triggers dopamine naturally.
4. If you're in "I need it" -- Get help early.
5. Don't be afraid to ask for help! Resources ARE available.

RESOURCES

COORDINATED ACCESS RESOURCE ENTRY SYSTEM (CARES) LINE OF HAWAII

1-(800) 753-6879

Supports the person by linking them to substance use and mental health services.

SUICIDE HOTLINE

988

Calling or texting 988 on a mobile device will direct individuals with an 808 area code phone number to the Department of Health's Hawaii CARES crisis helpline.

HAWAI'I ISLAND FENTANYL TASK FORCE

1-(808) 965-3083

How to get involved, general inquiries, resources, etc.

WWW.HIFTF.ORG