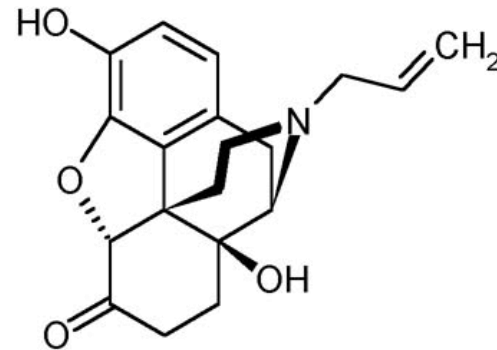


Preventing Opioid- related Overdose with Naloxone

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Agenda

- Introduction
- Opioids and overdose
- Responding to overdose!
- Hawai'i naloxone laws
- Where to get naloxone
- Resources



Opioids

- Derivatives of opium poppy plant or synthetic product that acts on the same receptors as natural derivatives
- Act on nervous system, causing pain relief, cough suppression, warm euphoric feeling, constipation, nausea, dry mouth, constricted pupils
- Tolerance develops with ongoing use, uncomfortable withdrawal symptoms can occur with decreased dosage or cessation
- High doses can cause cessation of breathing resulting in brain damage and death



natural alkaloids

Semi-Synthetic

Full Synthetic



morphine

codeine

heroin

hydrocodone

Fentanyl

PURE AGONISTS

FULL
morphine
oxycodone
fentanyl

ANTAGONISTS

PURE
naloxone

MIXED AGONISTS/ ANTAGONISTS

buprenorphine



ENTER

The Heroin Epidemic and the EROW Project

Potency of Opioids

Table A6.2 Approximate potency of opioids relative to morphine; PO and immediate-release formulations unless stated otherwise^a

ANALGESIC	POTENCY RELATIVE TO MORPHINE	DURATION OF ACTION (HOURS) ^b
Codeine Dihydrocodeine	1/10	3-6
Pethidine	1/8	2-4
Tapentadol	1/3	4-6
Hydrocodone (not United Kingdom)	2/3	4-8
Oxycodone	1.5(2) ^c	3-4
Methadone	5-10 ^d	8-12
Hydromorphone	4-5 (5-7.5) ^d	4-5
Buprenorphine (SL)	80	6-8
Buprenorphine (TD)	100 (75-115) ^c	Formulation dependent (72-168)
Fentanyl (TD)	100 (150) ^c	72

Fentanyl and analogs



Equivalent doses of heroin and fentanyl.

Cross-contamination (shared prep surfaces, etc.) can result in enough fentanyl present to cause overdose, especially in people without opioid tolerance.

Fentanyl has been found in counterfeit pressed oxy, Xanax, etc. as well as powder and tar heroin products, cocaine products, and meth.

Fentanyl-involved overdose can cause body to be rigid rather than limp.

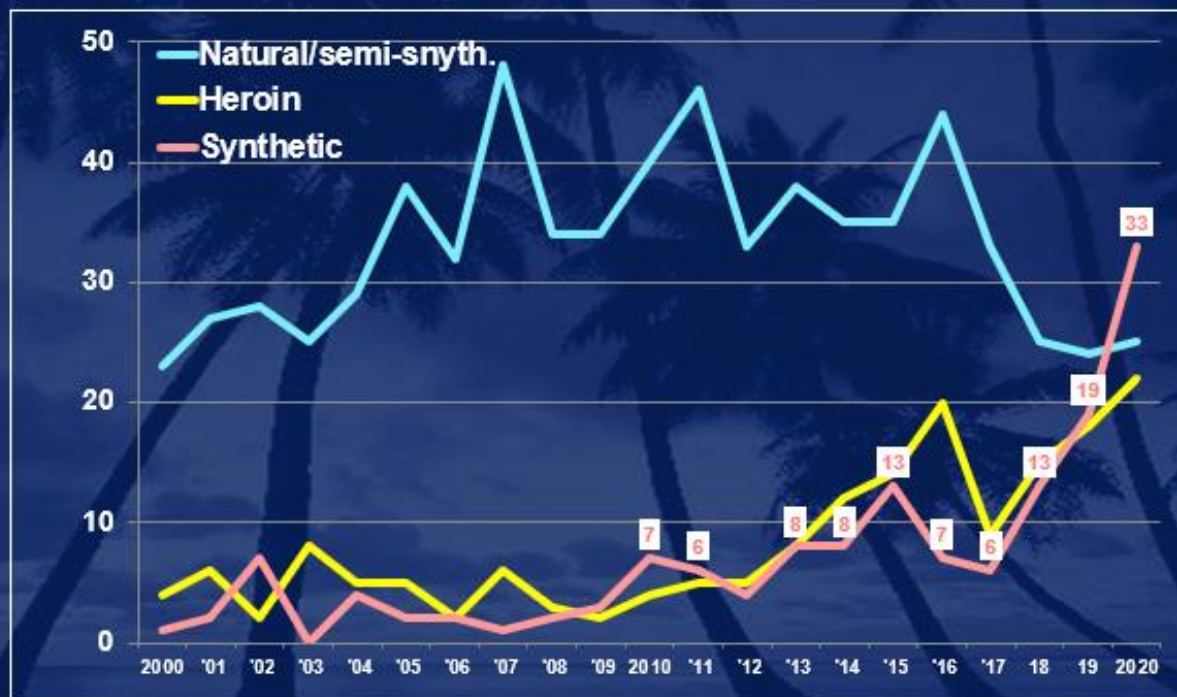


Opioid Overdose

- **North America has the highest drug-related mortality rate in the world, accounting for 1-in-4 drug-related deaths worldwide**
- **On average 130 Americans die a day from opioid overdose (CDC).**
- **Unintentional drug poisonings (overdose) is one of the leading causes of injury-related death in Hawai'i (along with suicide)**

HDOH Data

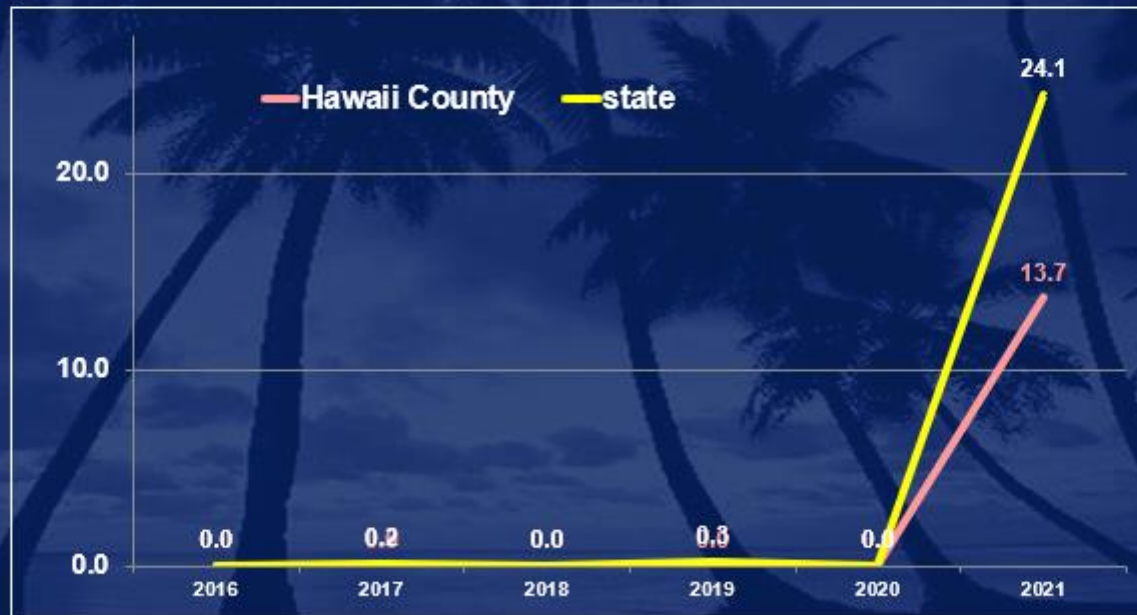
Annual number of fatal opioid poisonings among Hawaii residents, by type of opioid, 2000-2020



HDOH/HIDTA Data

Annual amount (Kg.) of fentanyl seizures, in Hawaii County and state of Hawaii, 2016-2021

(*Data source is Hawaii HIDTA (High Intensity Drug Trafficking Area), from Rico Witt, Drug Intelligence Officer.)



Signs of Opioid Overdose

REALLY HIGH

MUSCLES BECOME RELAXED

SPEECH IS SLOWED/SLURRED

SLEEPY LOOKING

RESPONSIVE TO STIMULATION LIKE YELLING,
STERNUM RUB, PINCHING, ETC.

NODDING OUT

OVERDOSE

DEEP SNORING OR GURGLING (DEATH RATTLE) OR
WHEEZING

BLUE SKIN TINGE- USUALLY LIPS AND FINGERTIPS SHOW
FIRST

PALE, CLAMMY SKIN

HEAVY NOD, WILL NOT RESPOND TO STIMULATION

BREATHING IS VERY SLOW, IRREGULAR, OR HAS
STOPPED/FAINT PULSE

Increase OD Risk

- **Using opioids at the same time as other substances can increase OD risk**
 - Mixing opioids with other downers like alcohol and benzodiazepines (Xanax, Valium, Ativan, Klonopin, etc.) significantly increase OD risk
- **Periods of reduced use , abstinence or opioid naive**
 - Impact of tolerance
- **Potency of Opioids**
 - Fentanyl and cartfentanyl



About Naloxone (Narcan)

- Naloxone reverses opioid-induced sedation and respiratory depression
- Not psychoactive, no abuse potential
- May cause withdrawal symptoms
- Acts within 30 seconds to 2 minutes
- May be administered IM, IV, SC, Intra-Nasal
- Lasts 30 to 90 minutes, overdose may return*
- May be repeated

FIRST and ONLY FDA-Approved

Nasal Naloxone for Emergency
Treatment of Opioid Overdose¹

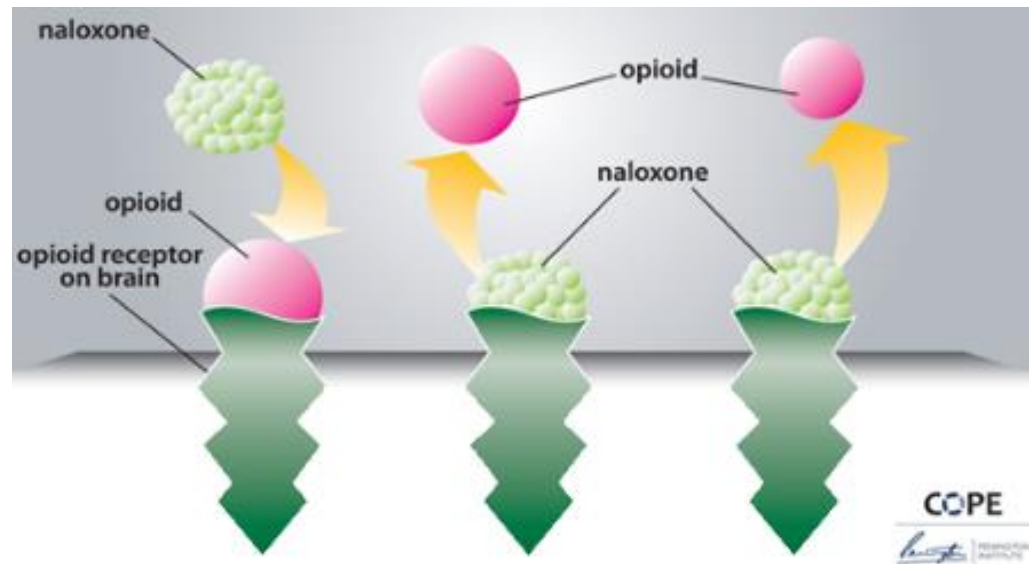
- Needle-free
- Ready-to-use

NARCAN® Nasal Spray is not a substitute
for emergency medical care.



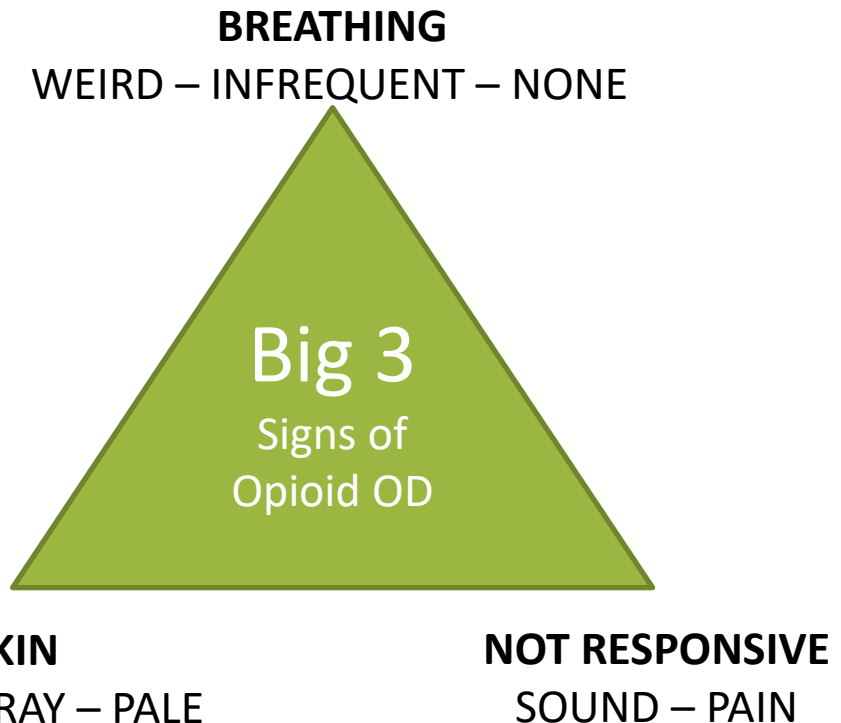
Naloxone reverses opioids, not...

- Alcohol
- Benzodiazepines (Xanax, Valium, Klonopin)
- Stimulants: cocaine, amphetamine, cathinones
- It will not cause harm in the absence of opioids



Overdose Response

1. Check for responsiveness
2. Call 911
3. Naloxone
4. Rescue breathe
5. Give support
6. Get support



www.Narcan.com

Resources

Key Steps to Administering NARCAN® Nasal Spray

NARCAN® Nasal Spray was developed to be used at home without the need for any medical training.* If you suspect an opioid overdose, administer NARCAN® Nasal Spray and get emergency medical assistance right away. NARCAN® is an opioid overdose reversal medication and should be part of an opioid safety checklist.

 [DOWNLOAD INSTRUCTIONS FOR USE](#)

Peel



Peel back the package to remove the device. Hold the device with your thumb on the bottom of the plunger and two fingers on the nozzle.

Place



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

Press



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

* Administer in accordance with the [Instructions for Use](#).

Not a substitute for emergency medical care. When administering NARCAN® Nasal Spray, allow or if breathing difficulty resumes, after 2-3 minutes, give an additional dose of NARCAN® Nasal Spray.

away from children.

How should I store NARCAN Nasal Spray?

- Store below 77°F (25°C).
- Excursions permitted up to 104°F (40°C).
- Do not freeze or expose to excessive heat above 104°F (40°C).
- Keep NARCAN Nasal Spray in the box until ready to use. Protect from light.
- Replace NARCAN Nasal Spray before the expiration date on the box.

Keep NARCAN Nasal Spray and all medicines out of the reach of children.

This Instructions for Use has been approved by the U.S. Food and Drug Administration.



HAWAI'I HEALTH
& HARM REDUCTION CENTER
The New Chapter for Life Foundation and The CHOW Project

Opioid Policies in Hawai'i

- **Act 217 Good Samaritan - limited immunity for individuals who call 911 in overdose**
- **Act 68 of 2016 (SB 2392) Provides immunity for any person who administers an opioid antagonist to a person suffering from an opioid-related drug overdose. Authorizes emergency personnel to administer opioid antagonists**
- **Act 255 – allows pharmacists to prescribe naloxone without prescription**



Naloxone Access Law Act 68 of 2016 (SB 2392)

Relating to opioid antagonists: Creates immunity for health care professionals and pharmacists who prescribe, dispense, distribute, or administer an opioid antagonist such as naloxone hydrochloride to persons who are at risk of experiencing or who are experiencing an opioid-related drug overdose.



Naloxone Access Law Act 68 of 2016 (SB 2392)

- Provides immunity for any person who administers an opioid antagonist to a person suffering from an opioid-related drug overdose.
- Authorizes emergency personnel and first responders to administer opioid antagonists (starts 1/1/17)
- Requires Medicaid coverage for opioid antagonists; and allows harm reduction organizations like H3RC to store and distribute opioid antagonists.

US Surgeon General Adams Statement on Naloxone



I, Surgeon General of the United States Public Health Service, VADM Jerome Adams, am emphasizing the importance of the overdose-reversing drug naloxone. For patients currently taking high doses of opioids as prescribed for pain, individuals misusing prescription opioids, individuals using illicit opioids such as heroin or fentanyl, health care practitioners, family and friends of people who have an opioid use disorder, and community members who come into contact with people at risk for opioid overdose, knowing how to use naloxone and keeping it within reach can save a life.



Hawaii Opioid Initiative (HOI)

- Started in July 2017 – developed opioid strategic plan
 - Opioid 2.0 in Dec. 2018 with 3.0 released in 2019
- Interdisciplinary: public safety, public health, prescribers, community
- www.hawaiiopioid.org

THE HAWAII OPIOID INITIATIVE

[GET THE FACTS](#) [GET HELP](#) [IN THE COMMUNITY](#) [TAKE BACK](#) [THE PLAN](#) [NEWS](#) [WATCH OUR PSAs](#)

**CLICK HERE TO FIND OUT
IF YOU OR A LOVED ONE COULD BE AT RISK FOR OPIOID
DEPENDENCE**

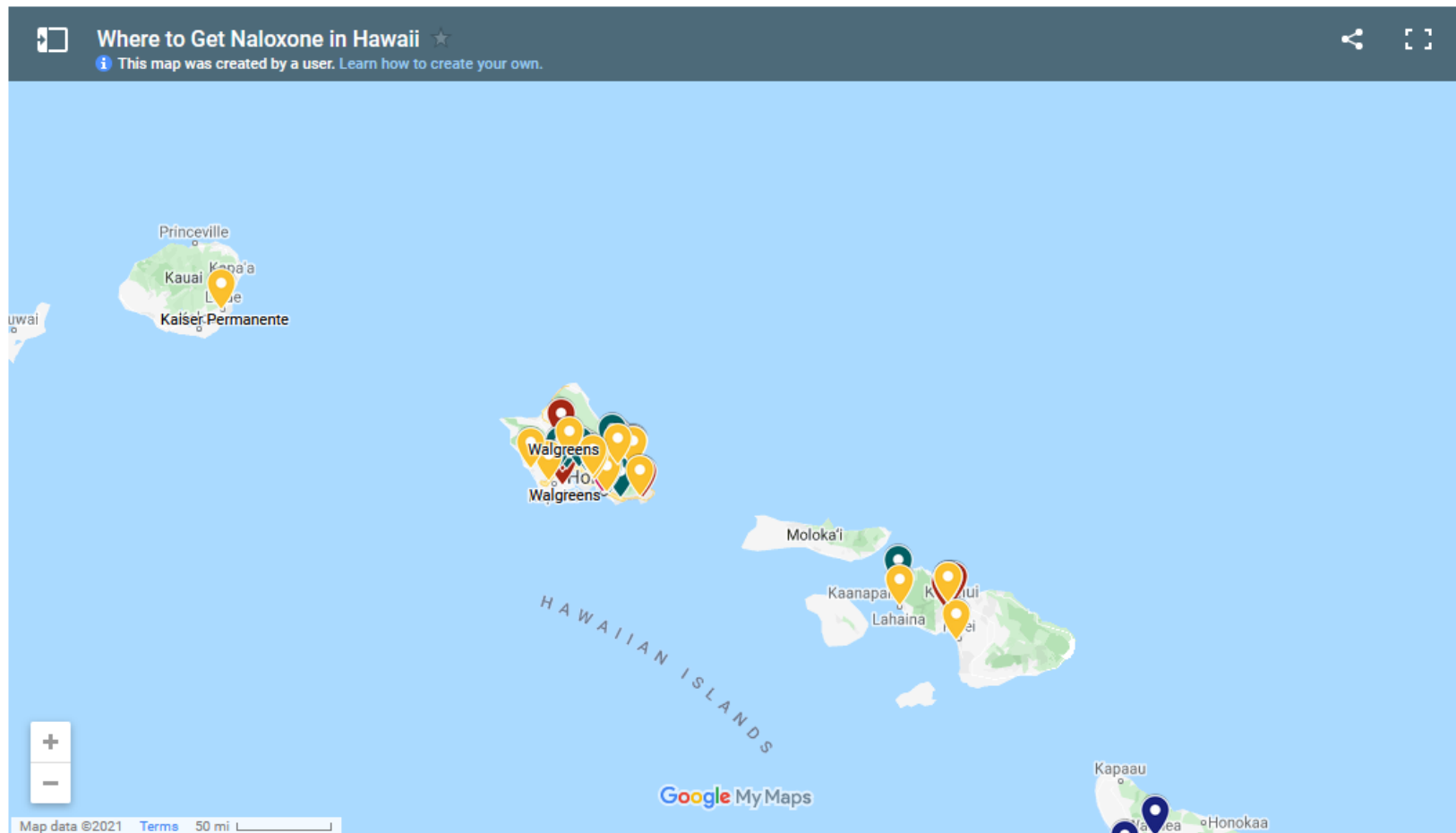


**WELCOME TO
THE HAWAII
OPIOID
INITIATIVE**

The Hawaii Opioid Initiative (HOI) is a collaboration of public health, public safety, healthcare professionals and community partners working together to respond to opioid use, misuse and opioid-related overdoses in Hawaii. Started in 2017, the HOI has seven workgroups that meet regularly to implement the HOI strategic plan and promote system

www.hawaiiopioid.org/prevent-overdose

Pharmacists in Hawai'i can prescribe and dispense Naloxone to anyone at-risk for an opioid overdose and their loved ones — [Act 154\(18\)](#). View the map below to find where to get Naloxone in your area.



1:02 PM Mon Feb 21

75%



Naloxone | HHRC



www.hhhrc.org/naloxone



NEW ONLINE OVERDOSE PREVENTION TRAINING COURSE

Take our new 20-minute self-guided online overdose prevention training. After completion, we will mail you a free Narcan overdose prevention kit.

[TAKE OUR TRAINING COURSE HERE](#)

NALOXONE

The medication Naloxone has been proven to stop the effects of opioid overdose and save lives, and is legal to carry in the state of Hawai'i. Naloxone can be provided by HHHRC staff to any individuals who want it. Our naloxone program is free and anonymous, and available on O'ahu, Kaua'i, Maui, and Hawai'i Island. **If you live in Hawai'i and want naloxone, please fill out the form below.**

[LEARN MORE ABOUT HHHRC'S OVERDOSE PREVENTION PROGRAM!](#)



NALOXONE REQUEST FORM

Please use this form to request for a naloxone kit containing two doses of NARCAN® Nasal Spray to be mailed to you, free of charge.

Please note: this service is anonymous. By providing your full name and address below, you are only consenting to have your naloxone sent to you by mail, and we will not use your information



Top



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to stop the effects of opioid overdose and save lives, and is
ne can be provided by HHHRC staff to any individuals who



Overdose Resources

Prescribe to Prevent: www.prescribetoprevent.org

Hawai'i Health & Harm Reduction Center: hhrc.org

Hawaii Opioid Initiative: hawaiiopioid.com

DOH – ADAD: health.hawaii.gov/substance-abuse/

Don't Die HI: <https://westhawaiiichc.org/programs/dontdiehi/>