



Fentanyl Facts

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Indigenous Land Acknowledgement

- We respectfully acknowledge that we are on territories where Indigenous nations and Tribal groups are traditional stewards of the land.
- Please join us in supporting efforts to affirm Tribal sovereignty and in displaying respect and gratitude of our Indigenous neighbors.



Disclosures

There are no relevant financial relationships with ACCME-defined commercial interests for anyone who was in control of the content of this activity.





Objectives

- Understand the short-acting opioid, fentanyl
- Address misconceptions of fentanyl exposure
- Identify treatment considerations and overdose awareness due to fentanyl's pharmacology



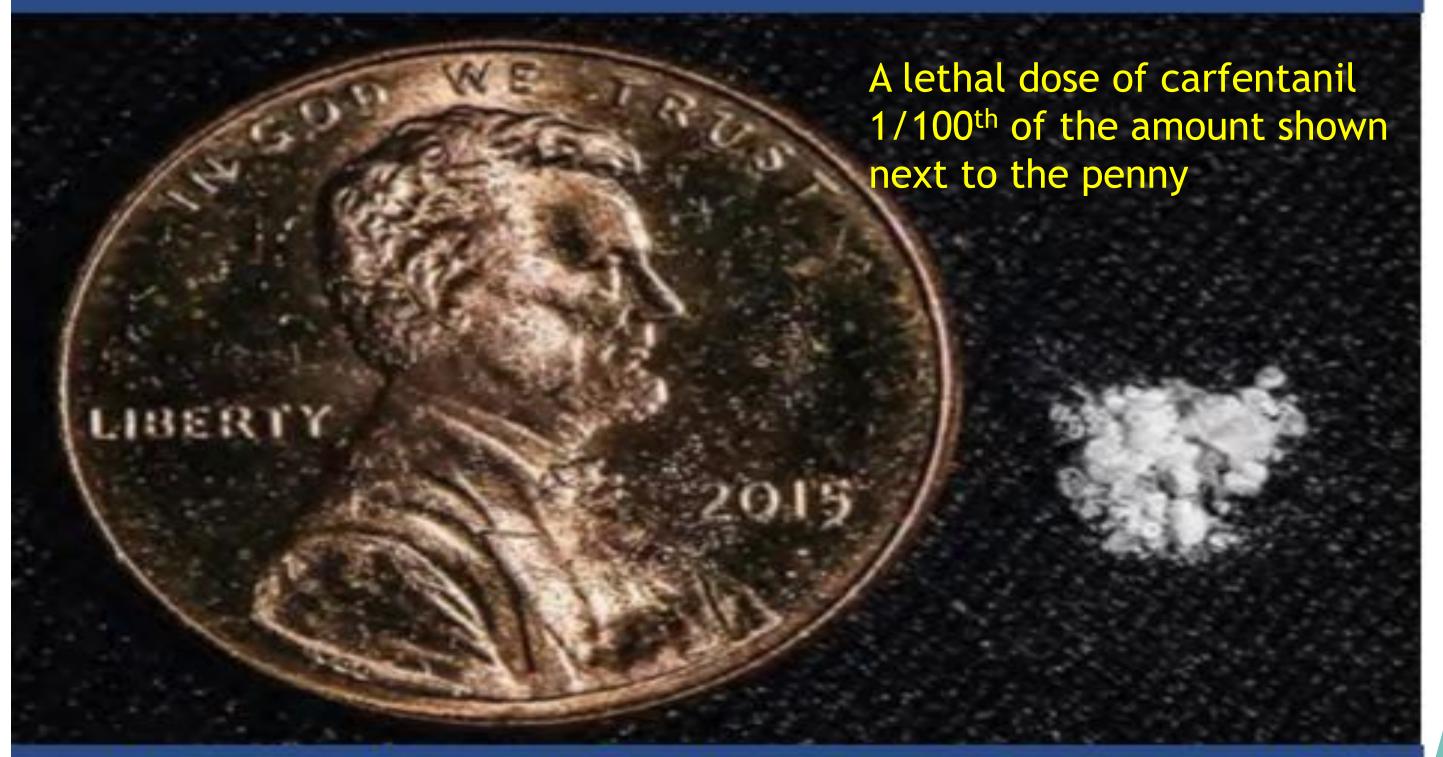


Fentanyl is a powerful opioid analgesic

- Schedule II controlled substance
- Indications for treating chronic pain
- Available as lozenges, buccal tablets, sprays, and patches
- Overdose deaths are typically due to illegally produced fentanyl
- Highly "lipophilic," e.g., has much greater penetration in the central nervous system



Figure 76. Two Milligrams of Fentanyl - A Potential Lethal Dose



Source: Network Environmental Systems (NES)



Tribal
MAT

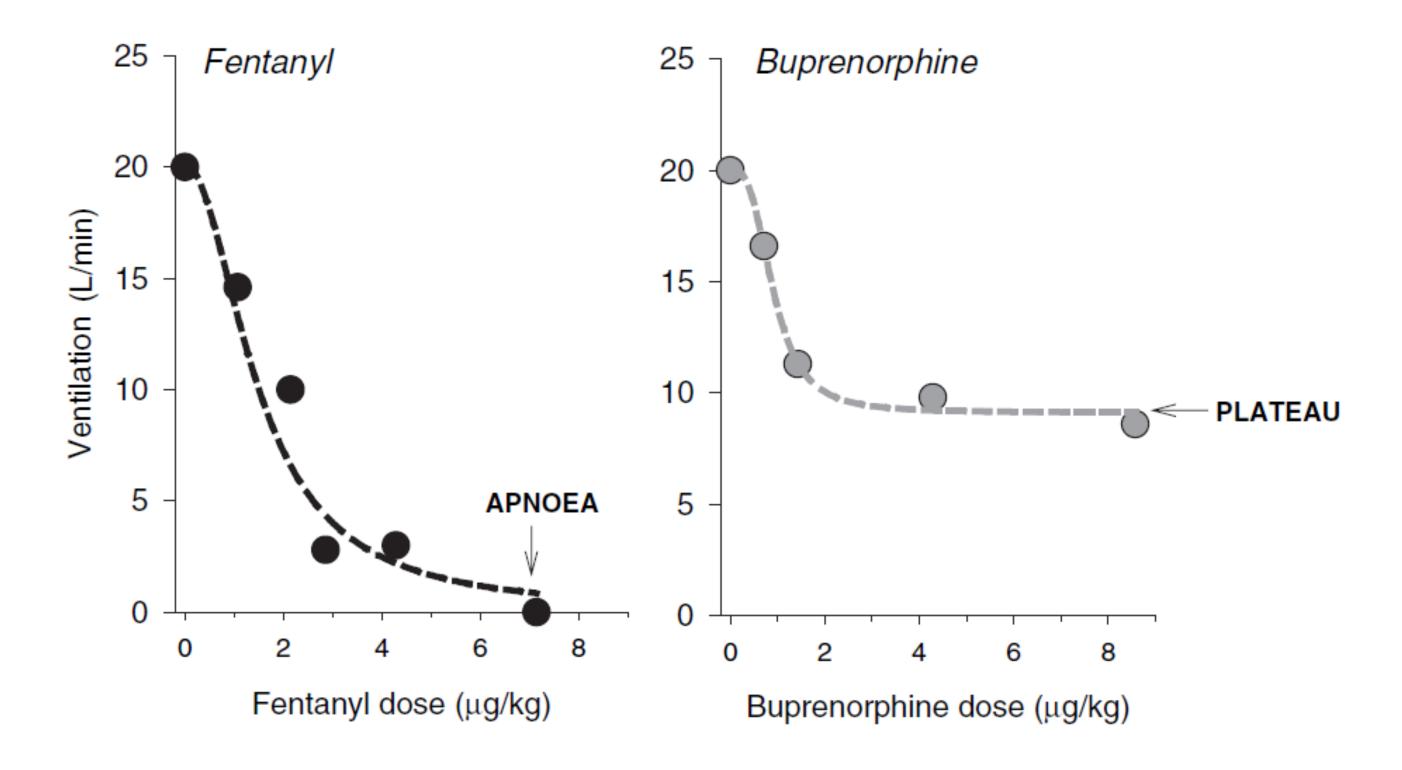
A unified response to the opioid crisis in California Indian Country











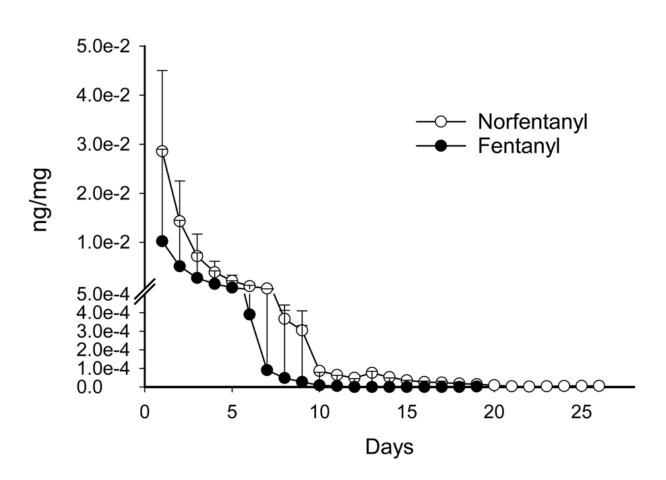






- ► Fentanyl clearance in persons with OUD is considerably longer than typical 2-4 day clearance of other short-acting opioids.
- Implications for starting buprenorphine

Fentanyl and Norfentanyl Elimination





Stimulant overdose death rate trends



Opioids Involved in 73% of Cocaine-Overdoses Opioids Involved in 50% of Psychostimulant-Overdoses

In many cases, both street-level drug dealers and the people who use cocaine are unaware that the cocaine is laced with fentanyl.

2020 CDC data indicated stimulant overdose deaths continuing to increase.

Misinformation on fentanyl exposure





Recommend taking precautions when arriving on a scene or processing any drugs taken into custody

Early 2017 Reports Taken Out of Context and Misrepresented

Sources: Marie McCullough, Experts: Fentanyl's risk to first responders overblown. PoliceOne.com News, Philly.com, July 4, 2017
Jeremy Samuel Faust, The Viral Story About the Cop Who Overdosed by Touching Fentanyl Is Nonsense, Medical Examiner, June 28, 2017

The truth about fentanyl exposure

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David Juurlink, M.D., a toxicologist at the University of Toronto, "it is hard to imagine someone would need multiple doses of naloxone after transient skin contact with powdered fentanyl," and that it was more likely that naloxone had simply been deployed against the wrong problem."



Sources: Marie McCullough, Experts: Fentanyl's risk to first responders overblown. PoliceOne.com News, Philly.com, July 4, 2017
Jeremy Samuel Faust, The Viral Story About the Cop Who Overdosed by Touching Fentanyl Is Nonsense, Medical Examiner, June 28, 2017







Medical and toxicology professionals agree that it is implausible that one could overdose from brushing powder off a shirt.

- Skin cannot absorb even the strongest formulations of opioids efficiently or fast enough to exert such an effect.
- Fentanyl isn't absorbed through the skin into the blood quickly or efficiently enough to make overdose occur.

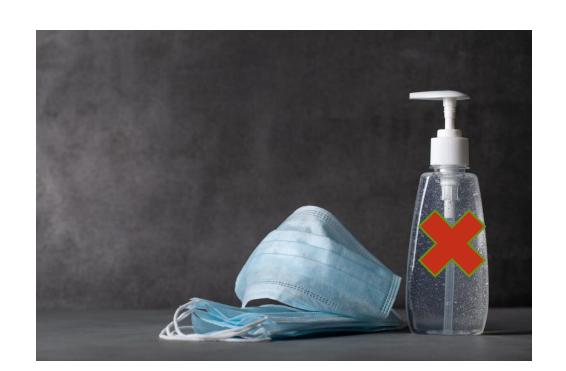
Use good judgement, proper protective equipment, gloves, safety glasses, and an agency approved respiratory protection all the way to hazmat suits with breathing gear.

Recommended PPE for First Responders

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- Universal precautions
- Nitrile gloves
- In case of skin exposure, wash with water only
 - ► Alcohol-based hand sanitizer could cause absorption
- N95 mask if desired
 - Not airborne



Fentanyl Test Strips

- Testing for Fentanyl
- Fentanyl test strips can identify the presence of fentanyl in unregulated drugs. They can be used to test injectable drugs, powders, and pills.
- Being aware if fentanyl is present allows people to implement appropriate harm reduction strategies to reduce the risk of an overdose.
- CDC/SAMHSA funds allowable for purchase with DHCS approval (April, 2021)





Fentanyl Overdose May Require More Naloxone





- High affinity for mu opioid receptor
- Displaces opioids from receptor
- Rapidly reverses effects of opioid overdose (minutes)
- ► Effects last 20-90 mins
- Studies show multiple doses may be required when fentanyl is involved
- PrescribeToPrevent.org

Patient Education Poster from Round Valley Indian Health Center









Fentanyl Facts

- Fentanyl is 50 to 100 times more potent than heroin and morphine. Fentanyl is the most common drug involved in overdose deaths.
- •Fentanyl is being mixed with other drugs, such as heroin, methamphetamine, cocaine, cannabis and MDMA. A person who uses drugs can be unaware that a powder, a pill or any substance contains it.



This small amount of fentanyl can kill!

NARCAN SAVES LIVES!



Naloxone (Narcan) is a medicine that can be given to a person to reverse a fentanyl or any opioid overdose.



What are Fentanyl Test
Strips?
Fentanyl test strips are
easy to use tests to see if
your drugs have fentanyl
in them.



Multiple naloxone (Narcan) doses - up to or 4 -6 doses might be necessary because of fentanyl's potency.

If you'd like Narcan or Fentanyl Test Strips, come by Yuki Trails or contact: Kathy Britton @983-6648 ext. 201 or Valerie Moore @983-6648 ext. 203



Summary



- Fentanyl is powerful, short-acting opioid used for pain relief
- ► Illicit use and accidental use have increased overdose death
- ► Fears about accidental exposure overdose are not supported by mechanisms of action
- Pharmacology of fentanyl likely requires additional naloxone administration