

Impact of Illicit Drugs: Focus on Fentanyl

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January 19, 2022

1

▪ Disclosures

- I have no financial interests to disclose**
- I am not representing or speaking for any business or governmental agency**

2

What is fentanyl?

- **Fentanyl is a synthetic (man-made) opioid 50 times more potent than heroin and 100 times more potent than morphine.**
- **It is in CSA Schedule II due it's potential for abuse and dependence**
- **Medically, it is typically seen as an injection, transdermal patch and lozenges**



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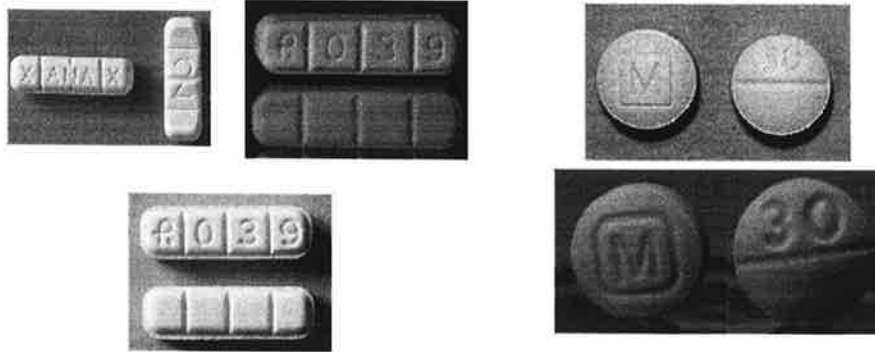
What is fentanyl?

- **Pharmaceutical fentanyl is primarily prescribed to manage severe pain, such as with cancer and end-of-life palliative care**
- **Non-pharmaceutical fentanyl (i.e., illicit or clandestine) is often mixed with heroin and/or cocaine or pressed into counterfeit pills—often without the user's knowledge**

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What is fentanyl?

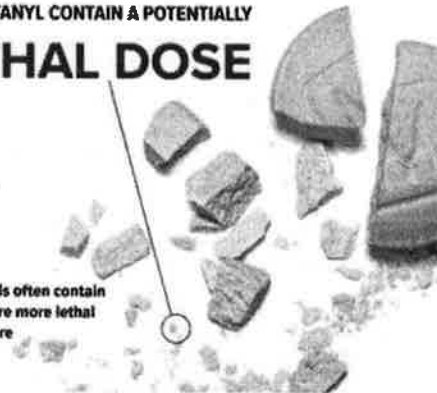
- Fentanyl, the synthetic opioid most commonly found in counterfeit pills



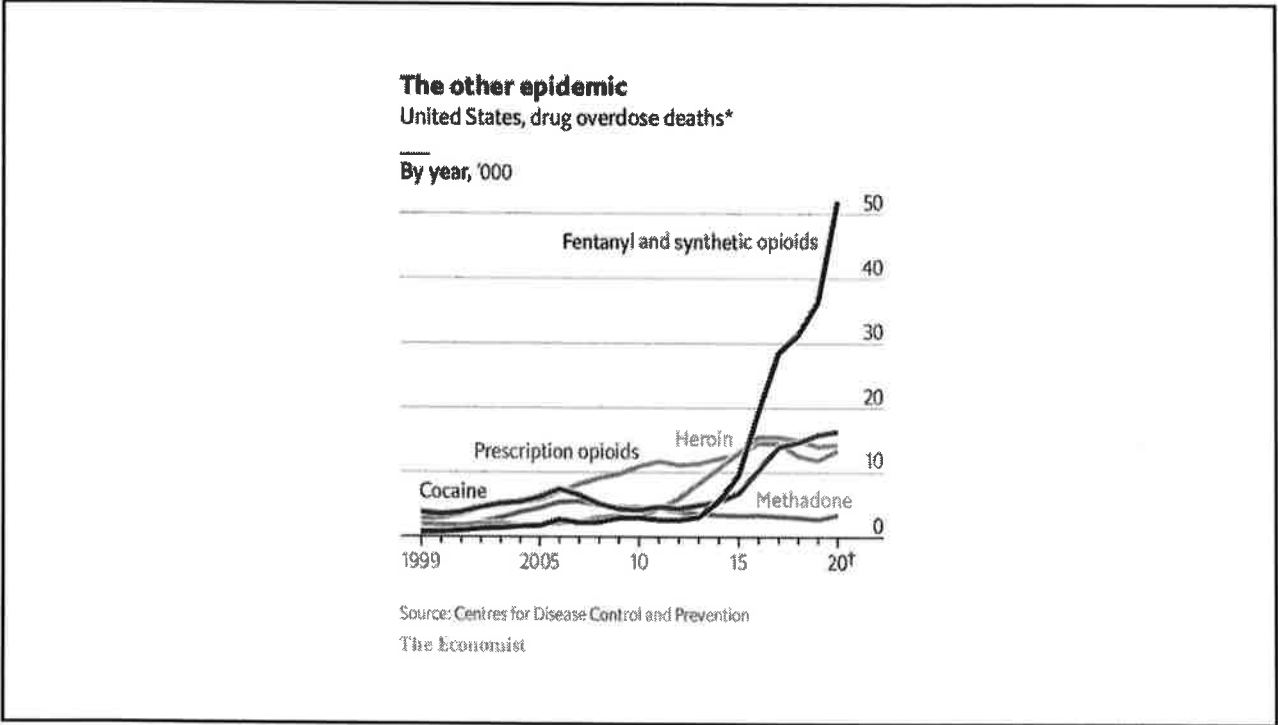
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DEA LAB TESTING REVEALS THAT
4 OUT OF EVERY 10 PILLS
WITH FENTANYL CONTAIN A POTENTIALLY
LETHAL DOSE

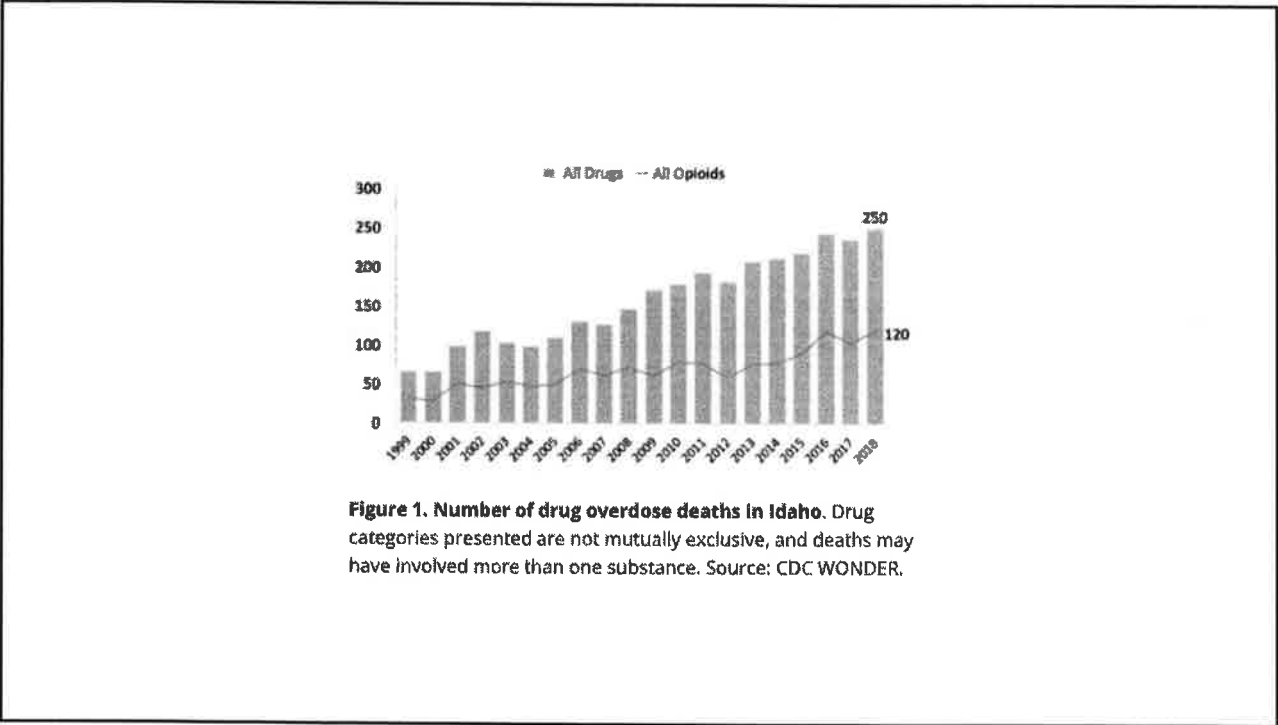
Counterfeit pills often contain fentanyl and are more lethal than ever before



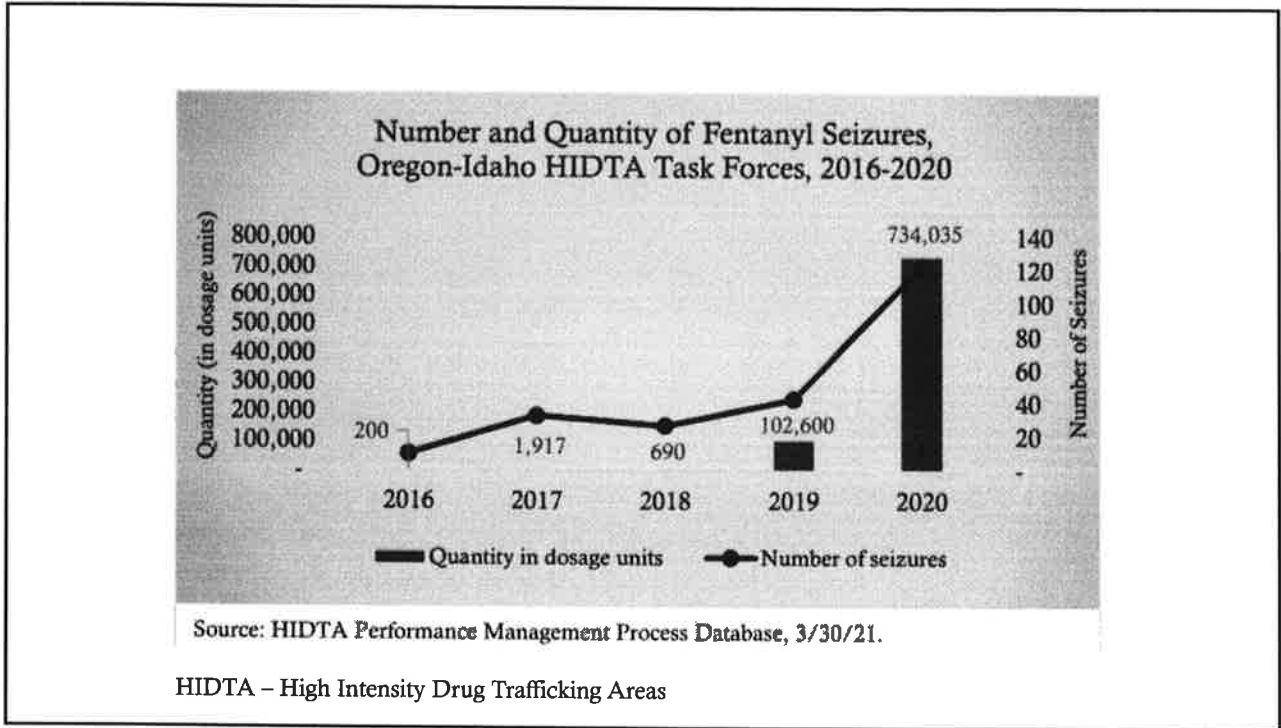
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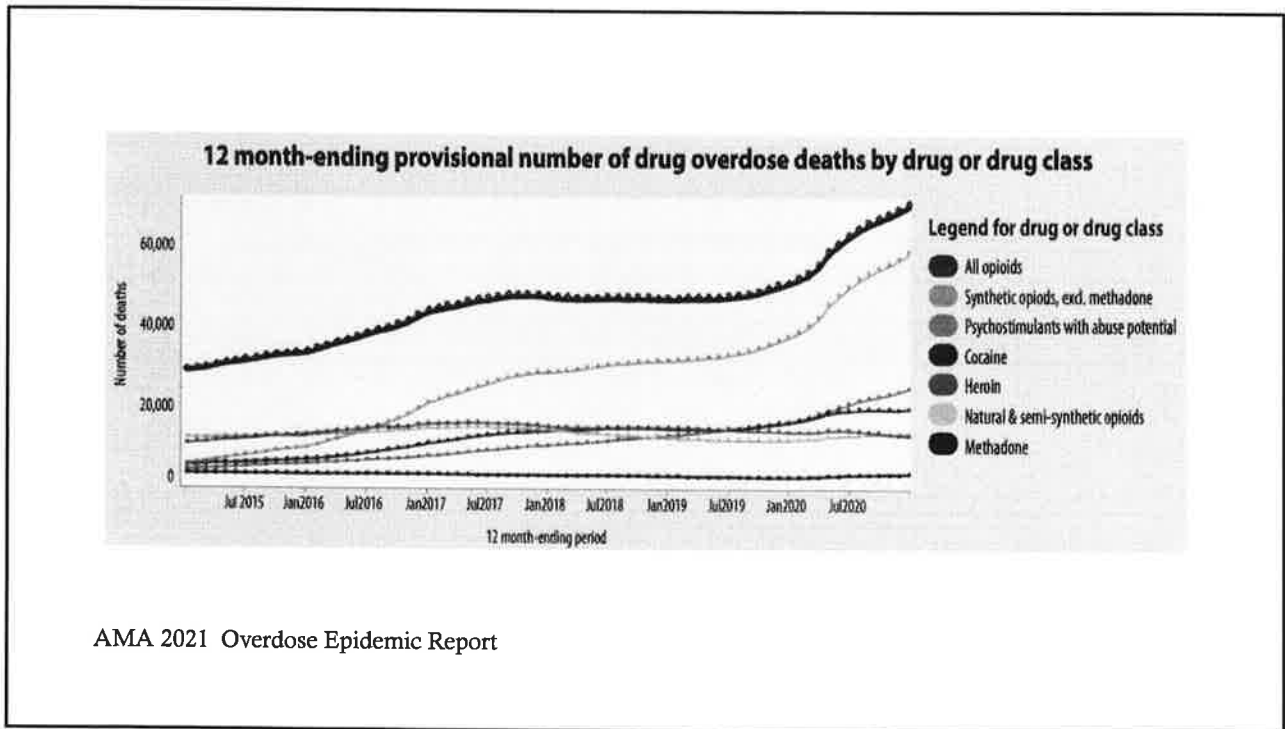
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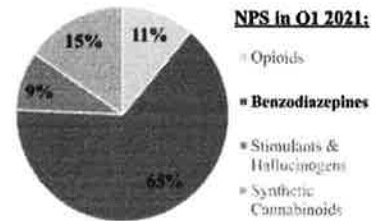
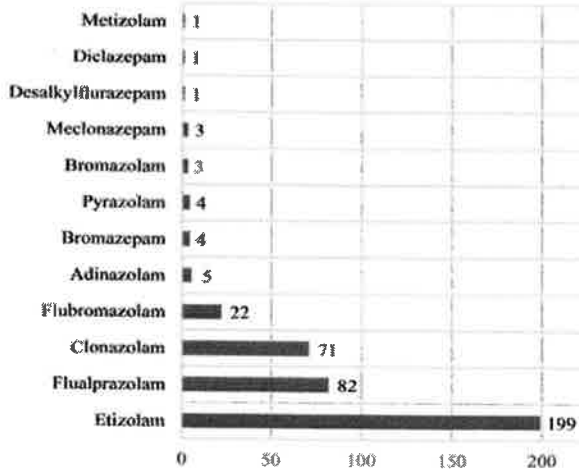
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Fentanyl Analogs	Compared to Morphine
Fentanyl	80 to 100x
Acetylfentanyl	15x
Valerylfentanyl	< 20x
Furanylfentanyl	20x
Butyrylfentanyl	20 to 25x
Acrylfentanyl	100x
3-Methylfentanyl	400x trans and 6000x cis isomers
Carfentanil	10 000 to 100 000x

Schueler, HE. Emerging synthetic fentanyl analogs. Acad forensic Pathol. 2017, 7:36-40.

11

NPS Benzodiazepine Positivity



Center for Forensic Research and Education Trend Report Q1 2021

12