

# Fentanyl now the no. 1 opioid OD killer

12 December 2018, by Steven Reinberg, Healthday Reporter



(HealthDay)—As the U.S. opioid epidemic grinds on, fentanyl is fast becoming the main culprit in drug overdose deaths, health officials report.

Cocaine and heroin remain the street drugs of choice, but more [overdose deaths](#) involve [fentanyl](#), either mixed with those narcotics or taken alone. Between 2013 and 2016, [overdose](#) deaths involving fentanyl increased about 113 percent per year, researchers found.

"The drugs most frequently involved in overdose deaths change quickly from one year to the next," said lead researcher Dr. Holly Hedegaard, a medical epidemiologist at the U.S. Centers for Disease Control and Prevention's National Center for Health Statistics.

Many of these deaths involve more than one drug, Hedegaard said. "A lot of the deaths that mention fentanyl also mention heroin, and a lot of the deaths that mention cocaine also mention fentanyl," she explained.

Over the past several years, heroin and cocaine

mixed with fentanyl have become more common, which may account for the combination of drugs seen on [death](#) certificates. But that isn't something the researchers could tell from death certificates, Hedegaard said.

Fentanyl is a synthetic opioid that is 80 to 100 times stronger than heroin or cocaine, according to the U.S. Drug Enforcement Agency (DEA).

Fentanyl was first developed to relieve pain in cancer patients.

But according to the DEA, fentanyl is added to heroin to increase its potency, or is disguised as highly potent heroin. Although many [drug users](#) think they are buying heroin, they don't know they're buying fentanyl. Because of its potency, overdose deaths can occur.

According to the new CDC report, the drugs most often listed on death certificates of people who overdosed during the study period were fentanyl, heroin, hydrocodone (Vicodin), methadone, morphine, oxycodone (OxyContin), alprazolam (Xanax), diazepam (Valium), cocaine and methamphetamine.

In 2011, oxycodone ranked first. From 2012 to 2015, it was heroin, and in 2016, fentanyl. Cocaine consistently was the second or third drug most common in overdoses during the entire period, the researchers found.

Between 2011 and 2016, the rate of deaths involving [heroin](#) and methamphetamine more than tripled, the study authors noted.

From 2013 to 2016, overdose deaths involving fentanyl and other forms of fentanyl doubled each year, from less than 1 per 100,000 in 2013 to nearly 6 per 100,000 in 2016.

Over the same time, the number of people who died from overdosing on methadone dropped.

Although unintentional deaths from drug overdoses are mostly seen with [illegal drugs](#), suicides most often involve prescription or over-the-counter drugs, Hedegaard's team found.

The U.S. Centers for Disease Control and Prevention has more on [overdose deaths](#).

Copyright © 2018 [HealthDay](#). All rights reserved.

The drugs most often cited in suicides were OxyContin, Benadryl, Vicodin and Xanax, the researchers found.

Often these drugs are taken together, like OxyContin and Valium, and OxyContin and Xanax, Hedegaard said. It's hard to know how people get these drugs, because that data is not on [death certificates](#), she said.

The findings were published Dec. 12 in the CDC's *National Vital Statistics Report*.

"The number of [drug overdose deaths](#) is staggering," said Dr. Harshal Kirane, director of addiction services at Staten Island University Hospital in New York City.

Recently, addicts have been seeking out fentanyl, he said. "It represents an evolution of the opioid crises in which patterns have shifted to a much more potent drug, putting users at a greater risk of overdose and death," he added.

In addition, other forms of fentanyl, such as carfentanil or butyrfentanyl, which are much more potent than fentanyl itself, are also involved in overdose deaths, Kirane said.

According the CDC, an average of 50,000 Americans die from [drug](#) overdoses each year.

"This study continues to sound the alarm that we have a long way to go to reversing the tragic trends within the opioid crisis," Kirane said.

**More information:** Holly Hedegaard, M.D., medical epidemiologist, National Center for Health Statistics, U.S. Centers for Disease Control and Prevention; Harshal Kirane, M.D., director, addiction services, Staten Island University Hospital, New York City; Dec. 12, 2018, CDC's *National Vital Statistics Report, Drugs Most Frequently Involved in Drug Overdose Deaths: United States, 2011-2016*

APA citation: Fentanyl now the no. 1 opioid OD killer (2018, December 12) retrieved 6 September 2022 from <https://medicalxpress.com/news/2018-12-fentanyl-opioid-od-killer.html>

*This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.*