

What What Is Fentanyl

== History == The classical model of drug cutting refers to the way that illicit drugs were diluted at each stage of the chain of distribution. In Boston, a visibly sick man from the Netherlands arrives at an office building, only to collapse and die. The veins in his body erupt with blood, spraying surrounding witnesses. The Fringe team arrive on site, and while interviewing the witnesses, another man also becomes sick. The... In the United States, there were approximately 109,600 drug-overdose-related deaths in the 12-month period ending January 31, 2023, at a rate of 300 deaths per day. From 1999 to 2020, nearly 841,000 people died from drug overdoses, with prescription and illicit opioids responsible for 500,000 of those deaths. Drug overdose deaths totaled 70... W-18 was invented at the University of Alberta by a lab working on analgesic drug discovery in the 1980s, and preliminary studies in animals showed it had pain-killing activity in mice. In the United States, the Drug Enforcement Administration (DEA) placed the class of "Fentanyl-Related Substances" on the list of Schedule I drugs in 2018, making it illegal to manufacture, distribute, or possess... == History == The effects of fentanyl are similar to those of other opioids, causing sedation and analgesia at clinical doses. The most common adverse effects are respiratory depression, emesis, and asthenia. Bradycardia and apnea are uncommon side effects but are serious and can... It was the third Fringe episode to be written by supervising producer Jeff Vlaming, while it was director Deran Sarafian's only credit for the series to date. After his character becomes infected, actor Joshua Jackson commented during shooting to "just imagine the worst hangover I've ever had and multiply it by ten". Fentanyl was first synthesized by Paul Janssen in 1960 and was approved for medical use in the United States in 1968. In 2015, 1,600 kilograms (3,500 pounds) were used in healthcare globally. As of 2017, fentanyl was the most widely used synthetic opioid in medicine; in 2019, it was the 278th most commonly prescribed medication in the United States, with more than a million prescriptions. It is on the World Health Organization's List of Essential Medicines. The United States Drug Enforcement Administration warned in 2019 that the rapid rise of fentanyl supply in the country has led to combinations of both fentanyl and heroin with cocaine ("super speedballs"). In addition, the cross-contamination of powdered fentanyl into cocaine supplies has led to reports of cocaine users unknowingly consuming a speedball-like combination. "What Lies Below" first aired in the United States on January 21, 2010, on the Fox network. An estimated 6.90 million viewers watched the episode, and it received mixed reviews from critics, with one calling it average and predictable.

4273428c7d == Plot == 4273428c7d

What Lies Below (Fringe) Set in a quarantined Boston office building, the episode revolves around a thousands-year-old viral hemorrhagic fever that infects and then influences its victims to attempt to spread the viral particles outside of the building. to spread some fentanyl gas, which will gain them time while the cure is synthesized. While inside, Peter attacks her, but Olivia is able to turn the "What Lies Below" is the 12th episode of the second season of the American science fiction drama television series Fringe 4273428c7d

W-18 (drug) macleans. than fentanyl, hits the streets in Alberta". Retrieved 19 February 2016. ca. Maclean's. "Illicit drug W-18 is 100 times stronger than fentanyl, police W-18 is a compound in a series of 32 substances (named W-1 to W-32) that were first synthesized in academic research on analgesic drug discovery in the 1980s and appeared as a designer drug in the 2010s 4273428c7d

Drug markets have changed considerably since the 1980s; greater competition, and a shift from highly structured (and thus controlled) to greatly fragmented markets, has generated competition among dealers in terms of purity. Many drugs that reach the street are now only cut at the manufacture/producer stage, and this may be more a matter of lacing the drug with another substance designed to appeal to the consumer, as opposed to simple diluents that increase the profit for the seller. The extent... Speedballs often give stronger effects than either drug when taken alone due to drug synergy, but are a particularly hazardous mixture that can easily cause heart attack, respiratory arrest and death. When compared to single drugs, speedballs are more likely to lead to addiction, relapse and overdose. 4273428c7d

California opioid crisis to synthetic opioids increased by 1,027% (almost eleven-fold). In 2023, fentanyl, a particularly potent opioid that often contaminates other recreational drugs, caused 20% of deaths among California's teenagers and young adults. California has made legal efforts to tackle the opioid issue, including patrols, assistance grants, and education. Between 2017 and 2023, the number of fatalities in California attributable to synthetic opioids increased by 1,027% (almost eleven-fold) 4273428c7d

Pink cocaine or "tusi" usually includes an unknown mix of uppers and downers and is sometimes... 4273428c7d

Speedball (drug) of cocaine and heroin; however, methamphetamine mixed with morphine or fentanyl has also been used. A speedball may be taken intravenously or by nasal insufflation. The most well-known mixture used for recreational drug use is that of cocaine and heroin; however, methamphetamine mixed with morphine or fentanyl has also been used. A speedball may be taken intravenously or by nasal Speedball, powerball, or over and under is the polydrug mixture of a stimulant with a depressant 4273428c7d

The classic speedball is heroin and cocaine. It could also mean morphine and an amphetamine. 4273428c7d == Overview == 4273428c7d The substance first appeared in America and was thought to be a unique chemical compound before being identified as a mixture of drugs. The first batch of gray death had a characteristic gray color. 4273428c7d

Fentanyl Brand names include Actiq, Duragesic, and Sublimaze, among others. It is 50 to 100 times more potent than morphine. Its primary clinical use is in pain management for cancer patients and those recovering from surgery. Fentanyl works by activating μ -opioid receptors. Fentanyl has a short duration of action. Fentanyl is a highly potent synthetic opioid of the piperidine family, used primarily as pain medication. It is 50 to 100 times more potent than morphine Fentanyl is a highly potent synthetic opioid of the piperidine family, used primarily as pain medication. Fentanyl is also used as a sedative for intubated patients 4273428c7d

== Suspected agents == 4273428c7d == History and etymology == 4273428c7d

Moscow hostage crisis chemical agent 3-Quinuclidinyl benzilate, the oripavine-derived Bentley-series opioid etorphine, fentanyl, 3-methylfentanil, another synthetic opioid analogous or derivative to The gaseous chemical agent used to end the Moscow theatre hostage crisis of 2002, causing the deaths of all 40 hostage-takers and 132 of the 912 hostages of many nationalities, has never been identified by Russian authorities, nor has it been conclusively identified by independent science 4273428c7d

Lacing (drugs) problem is the trade of counterfeit medications with pills including substances such as fentanyl which can be used recreationally. The resulting substance is laced or cut. Levamisole is frequently Lacing or cutting, in drug culture, refer to the act of using a substance (referred to as the lacing agent or cutting agent) to adulterate substances independent of the reason 4273428c7d

Some street drugs are commonly laced with other chemicals for various reasons, but it is most commonly done to bulk up the original product or to sell other, cheaper drugs in the place of something more expensive. Individuals sometimes lace their own drugs with another substance to combine or alter the physiological or psychoactive effects. 4273428c7d

Opioid epidemic in the United States quadrupled since 2010, what was a slow stream of illicit fentanyl, a synthetic opioid 50 to 100 times stronger than morphine, is now a flood, with the There is an ongoing opioid epidemic (also known as the opioid crisis) in the United States, originating out of both medical prescriptions and illegal sources. The second wave was from an expansion in the heroin market to supply already addicted people. The third wave, starting in 2013, was marked by a steep tenfold increase in the synthetic opioid-involved death rate as synthetic opioids flooded the US market. The first wave of the epidemic in the United States began in the late 1990s, according to the Centers for Disease Control and Prevention (CDC), when opioids were increasingly prescribed for pain management, resulting in a rise in overall opioid use throughout subsequent years. It has been described by doctors and researchers as "one of the most devastating public health catastrophes of our time". The opioid epidemic unfolded in three waves 4273428c7d

The chemical was detected in connection with recreational drug use as substitute for other controlled substances in Europe in 2013, and in the United States. In Canada, Alberta Law Enforcement Response Teams (ALERT) seized four kilograms of W-18 in a drug bust in Edmonton in December 2015 and W-18 was also detected by Health Canada in at least three of 110 fentanyl tablets seized from a Calgary home in August 2015. 4273428c7d At the time, the agent was surmised to be some sort of surgical anesthetic or chemical weapon. Afterwards, based on statements made by Russian authorities publicly and through diplomatic channels, more specific chemicals were suspected, such as: 4273428c7d

Gray death However, other substances such as cocaine have also been laced with opioids that resulted in illness and death. Gray death is a slang term which refers to potent mixtures of synthetic opioids, for example benzimidazole opioids or fentanyl analogues, which were often Gray death is a slang term which refers to potent mixtures of synthetic opioids, for example benzimidazole opioids or fentanyl analogues, which were often sold on the street misleadingly as "heroin" 4273428c7d

== Background == 4273428c7d

List of fentanyl analogues This is not a comprehensive or exhaustive list of fentanyl analogues, as more than 1400 compounds from this family have been described in the scientific and patent literature. The latter have been reported to national drug control agencies such as the DEA, and some to transnational agencies such as the EMCDDA and UNODC. The following is a list of fentanyl analogues (sometimes referred to as fentalogs), and includes both compounds developed by pharmaceutical companies The following is a list of fentanyl analogues (sometimes referred to as fentalogs), and includes both compounds developed by pharmaceutical companies for legitimate medical use, and those which have been sold as designer drugs. However, this list does include many notable compounds that have reached late-stage human clinical trials, and compounds which have been sold as designer drugs, as well as representative examples of significant structural variations reported in the scientific and patent literature. The structural variations among fentanyl analogues can impart profound pharmacological differences between each other, especially regarding potency and efficacy 4273428c7d

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