



Cocaine

WHAT IS COCAINE?

Cocaine is an intense, euphoria-producing stimulant drug with strong addictive potential.

WHAT IS ITS ORIGIN?

Cocaine is derived from coca leaves grown in Colombia, Peru, and Bolivia. The cocaine manufacturing process takes place in remote jungle labs where the raw product undergoes a series of chemical transformations. Colombia produces about 90 percent of the cocaine powder reaching the United States. Most of the cocaine entering the United States comes through Mexico.

What are common street names?

Common street names include:

- Blow, Coca, Coke, Crack, Flake, Snow, and Soda Cot

What does it look like?

Cocaine hydrochloride (HCl) is usually distributed as a white, crystalline powder. Cocaine



Cocaine powder

HCl is often diluted (“cut”) with a variety of substances, the most prominent cutting agent is phenyltetrahydroimidazothiazole (levamisole, dexamisole, etc.) which was previously used as an anti-worm medication but is no longer approved for use in the United States.

It is believed to be “cut” to stretch the amount of the product and increase profits for dealers or prolong the drug’s effect. In contrast, cocaine base (crack) looks like small, irregularly shaped chunks (or “rocks”) of a whitish solid

How is it abused?

Powdered cocaine (i.e., cocaine hydrochloride) can be snorted or injected into the veins after dissolving in water. Cocaine base (crack) is smoked, either alone or on marijuana or tobacco. Cocaine is also used in combination with an opiate, like heroin, a practice known as “speedballing.” Although injecting into veins or muscles, snorting, and smoking are the common ways of using cocaine, all mucous membranes readily absorb cocaine. Cocaine users often binge on the drug until they are exhausted or run out of cocaine.

What is its effect on the mind?

The intensity of cocaine’s euphoric effects depends on how quickly the drug reaches the brain, which depends on the dose and method of abuse. Following smoking or intravenous injection, cocaine reaches the brain in seconds, with a rapid buildup in levels. This results in a rapid-onset, intense euphoric effect known as a “rush.”

By contrast, the euphoria caused by snorting cocaine is less intense and does not happen as quickly due to the slower build-up of the drug in the brain. Other effects include increased alertness and

excitation, as well as restlessness, irritability, and anxiety.

Tolerance to cocaine's effects develops rapidly, causing users to take higher and higher doses. Taking high doses of cocaine or prolonged use, such as bingeing, usually causes paranoia. The crash that follows euphoria is characterized by mental and physical exhaustion, sleep, and depression lasting several days. Following the crash, users experience a craving to use cocaine again.

What is its effect on the body?

Physiological effects of cocaine include increased blood pressure and heart rate, dilated pupils, insomnia, and loss of appetite. The widespread abuse of highly pure street cocaine has led to many severe adverse health consequences such as:

- Irregular heartbeat, ischemic heart conditions, sudden cardiac arrest, convulsions, strokes, and death

In some users, the long-term use of inhaled cocaine has led to a unique respiratory syndrome, and

chronic snorting of cocaine has led to the erosion of the upper nasal cavity.

Which drugs cause similar effects?

Other stimulants, such as amphetamine and methamphetamine, cause effects similar to cocaine that vary mainly in degree.

What is its legal status in the United States?

Cocaine is a Schedule II drug under the Controlled Substances Act, meaning it has a high potential for abuse and has an accepted medical use for treatment in the United States. Cocaine hydrochloride solution (4 percent and 10 percent) is used primarily as a topical local anesthetic for the upper respiratory tract. It also is used to reduce bleeding of the mucous membranes in the mouth, throat, and nasal cavities. However, more effective products have been developed for these purposes, and cocaine is now rarely used medically in the United States.



Cocaine bricks, seized by DEA