drugs of abuse
Identification of Narcotics

Morphine has generally been diverted from legitimate stocks in white powder, tablet or liquid form, and infrequently in cubes. Brick morphine base seldom reaches this country. Heroin comes in fine powder ranging from off-white to dark brown, and occasionally purple. It is packaged and sold in capsules or wax paper and foil “decks” depending on the quantity. The loose drug or pre-packaged heroin is often carried in balloons or other plastic containers to facilitate concealment. Codeine has been diverted and appears in white powder, hypodermic tablet or solution form.

Man has used drugs since the beginning of time. He also abused these powerful drugs to escape from life and betrayed their medicinal value. Today, drug abuse remains a problem to society. To solve the problem, man must educate himself to the potent nature of the drugs of abuse.

The opium poppy—a beguilingly beautiful flower—grows in sections of Mexico, the Near and Far East. Cultivators process poppy juices into crude opium to prepare smoking opium or, most often, morphine base, identified with “999” or other trademarks. Clandestine laboratory operators then process the base drug to make morphine, codeine, or heroin for the United States market.

Abusers usually inject narcotics. Hence, the addict’s equipment, the “works,” is a strong indication of narcotic abuse. Because they use and share contaminated needles, addicts often contract hepatitis, tetanus, tissue infections and abscesses of the skin and various organs.

Heroin is the most popular narcotic drug of abuse, because of its intense euphoria and long lasting effect. It is synthesized from morphine and nearly 10 times as potent, but has no legitimate use in the U.S. Traffickers “cut” or dilute pure heroin so it normally ranges between 3% and 10% pure when sold to the addict.

Doctors prescribe morphine to relieve pain, but addicts rank it second to heroin. They may abuse morphine when heroin is scarce.

Codeine is most frequently abused when in cough syrups, but occasionally the pure drug is abused. Its effects are milder when compared to heroin and morphine.
Narcotics

MORPHINE BASE

OPIUM POPPY & DERIVATIVES
CRUDE & SMOKING OPIUM, CODEINE, HEROIN, MORPHINE

FORMS OF HEROIN

DOSAGE AND ILLICIT FORMS OF MORPHINE

ADDICT'S EQUIPMENT

DOSAGE AND ILLICIT FORMS OF CODEINE
Identification of Narcotics

Cocaine is a crystalline structure resembling epsom salts or snowflakes (nickname “snow”) that reflects light. Hydromorphone, a semi-synthetic and opium derivative, and true synthetic narcotics, methadone and meperidine, are usually diverted from legitimate channels. They are found in white tablet or liquid form, and Dilaudid also appears in larger compounding tablets. Exempt narcotic cough preparations containing codeine are of syrupy consistency ranging from clear to dark brown. Exempt paregoric preparations containing camphorated tincture of opium are yellowish brown liquids.

The coca bush grows in the Andes Mountains of South America. Farmers process its leaves into coca paste, then cocaine. Federal law classifies it as a narcotic, but pharmacologically it stimulates the central nervous system. People in some parts of the world chew coca leaves, but abusers in the U.S. generally inhale (“snort”) or inject it into the body after mixing the crystalline powder with heroin.

Hydromorphone, a semi-synthetic drug and opium derivative, is made from an opium extract or through a chemical process or a combination of both procedures. Meperidine was the first synthetic narcotic created. Methadone, another synthetic narcotic, is currently used in research as clinical treatment for heroin addiction. These drugs and all 81 semi-synthetic and true synthetic drugs have properties similar to opium derivatives. Each is considered a dangerous narcotic.

Exempt narcotics contain small amounts of narcotic drugs in combination with other drugs. They include codeine cough syrups and preparations of camphorated tincture of opium such as paregoric. When used as directed, they are reasonably safe and free of addiction potential. But young people frequently abuse exempt narcotics and addicts may substitute them when more potent drugs are not available.
Narcotics

Coca leaves & Illicit forms of cocaine

Dosage forms of meperidine

Dosage forms of hydromorphone

Dosage forms of methadone

Exempt narcotics: cough syrup with codeine & paregoric
Identification of Marihuana

Marihuana leaves have an odd number (5, 7, 9, etc.) of serrated leaflets. Hashish is a light green-brown, dark brown or black oblong, flat cake from 1/4 to 3/4 inches thick. These loaves or "soles" are broken into small irregular "cubes" or "chunks" and sold by the gram. Manicured marihuana is a finely ground green substance that looks much like coarsely ground oregano or, when less finely processed, thyme. It is generally packaged in match boxes, plastic bottles, tins and other small containers for retail sale. In brick form, large pieces of marihuana twigs, stalks, leaves and seeds have been compressed into blocks, called "kilobricks" measuring about 5 x 2 1/2 x 12 inches. Sometimes a finely processed veneer covers the coarse brick core. Cigarettes, generally shorter and smaller in diameter than the commercial type, contain manicured marihuana. Both ends are "crimped" or "twisted." Occasionally tobacco in regular filter-tip cigarettes has been removed and marihuana inserted, but unless the end is "crimped" the fine marihuana will fall out.

Marihuana was discovered 5,000 years ago. The plant, Cannabis sativa L., grows in mild climates throughout the world especially Mexico, Africa, India and the Middle East. The strength of the drug differs from place to place, depending on where and how it is grown, how it is prepared and how it is stored.

Traffickers frequently include all parts of the plant including seeds and stalks—sometimes grass, alfalfa, other drugs or diluents—in marihuana preparations. Sophisticated abusers insist on and pay high premiums for the more potent preparations of cannabis resin or the female flowering top of the plant. In 1966, a scientist synthesized the active ingredient of marihuana, tetrahydrocannabinol.

Abusers usually smoke marihuana in cigarettes, hookahs or pipes with small bowls. Some smokers make removable tin foil bowls to hold the marihuana. They also use wire "roach holders" or paper clips to smoke the whole cigarette.

Marihuana use in other countries and current scientific information indicate it is a dangerous drug. At the same time researchers in this country are carefully exploring the drug's short and long term effects.
Marihuana

Marihuana Leaf

Retail Forms of Marihuana

Kilo Bricks of Marihuana

Makeshift Marihuana Pipes

Hashish

Manicured Marihuana, Cigarettes and Seeds
Terms & Symptoms of Drug Abuse

This chart indicates the most common symptoms of drug abuse. However, all of the symptoms are not always evident, nor are they the only ones that may occur. Any drug's reaction will usually depend on the person, his mood, his environment, the dosage of the drug, and how the drug interacts with other drugs the abuser has taken or contaminants within the drug.

<table>
<thead>
<tr>
<th>DRUG</th>
<th>SYMPTOMS OF ABUSE</th>
<th>SYMPTOMS OF WITHDRAWAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>MORPHINE</td>
<td>M, dreamer, white stuff, hard stuff, morpho, unikie, Miss Emma, monkey, cube, mort, tab, emet, hocus, morphine, melt</td>
<td></td>
</tr>
<tr>
<td>HEROIN</td>
<td>Snow, stuff. H, junk, big Harry, caballo, Dooley, boy, horse, white stuff, Harry, hairy, joy powder, salt, dope, Duie, hard stuff, schmeek, shit, shag, thing</td>
<td></td>
</tr>
<tr>
<td>CODEINE</td>
<td>Schoolboy</td>
<td></td>
</tr>
<tr>
<td>HYDROMORPHONE</td>
<td>Dilaudid, Lords</td>
<td></td>
</tr>
<tr>
<td>MEPERIDINE</td>
<td>Demerol, Isopenicaine, Dolantol, Pethidine</td>
<td></td>
</tr>
<tr>
<td>METHADONE</td>
<td>Dolophine, Dollies, dolls, amidone</td>
<td></td>
</tr>
<tr>
<td>EXEMPT PREPARATIONS</td>
<td>P.G., P.O., blue velvet (Paregoric with antihistamine), red water, bitar, licorice</td>
<td></td>
</tr>
<tr>
<td>COCAINE</td>
<td>The leaf, snow, C, cecil, coke, dynamite, flake, speedball (when mixed with Heroin), girl, happy dust, joy powder, white girl, gold dust, Corine, Bernies, Bourse, gin, Berens, Star dust, Carrie, Cholly, heaven dust, paradise</td>
<td></td>
</tr>
<tr>
<td>MARIHUANA</td>
<td>Smoke, straw, Texas tea, jive, pod, mutah, split, Acapulco Gold, Bhang, boo, bush, butter flower, Ganja, weed, grass, pot, muggles, tea, has, hemp, griffo, Indian hay, loco weed, hay, herb, J, mu, giggles-smoke, love weed, Mary Warner, Mohasky, Mary Jane, joint sticks, reefer, sativa, roach,</td>
<td></td>
</tr>
<tr>
<td>AMPHETAMINES</td>
<td>Pep pills, bennies, wake-ups, eye-openers, lid poppers, co-pilots, truck drivers, peaches, roses, hearts, cartwheels, whites, coast to coast, LA turnabouts, browns, footballs, greens, bombido, oranges, dexies, jolly-beans, A's, jelly babies, sweets, beans, uppers</td>
<td></td>
</tr>
<tr>
<td>METHAMPHETAMINE</td>
<td>Speed, meth, splash, crystal, bombita, Methedrine, Doe</td>
<td></td>
</tr>
<tr>
<td>OTHER STIMULANTS</td>
<td>Pep pills, upper</td>
<td></td>
</tr>
<tr>
<td>BARBITURATES</td>
<td>Yellows, yellow jackets, nimby, nimbles, reds, pinks, red birds, red devils, segy, secy, pink ladies, blues, blue birds, blue devils, blue heavens, red &amp; blues, double trouble, tooes, Christmas trees, phennies, bars</td>
<td></td>
</tr>
<tr>
<td>OTHER DEPRESSANTS</td>
<td>Candy, goofballs, sleeping pills, pean</td>
<td></td>
</tr>
<tr>
<td>LYSERGIC ACID DIETHYLAMIDE (LSD)</td>
<td>Acid, cubes, pearly gates, heavenly blue, royal blue, wedding bells, sugar, Big D, Blue Acid, the Chief, the Hawk, instant Zen, 25, Zen, sugar lump</td>
<td></td>
</tr>
<tr>
<td>STP</td>
<td>Serenity, tranquility, peace, DOM, syndicate ac-</td>
<td></td>
</tr>
<tr>
<td>PHENCYCLIDINE (PCP)</td>
<td>PCP, peace pill, synthetic marihuana</td>
<td></td>
</tr>
<tr>
<td>PEYOTE</td>
<td>Mescal button, mescal beans, hikori, hikuli, huatari, seni, wokowi, cactus, the button, tops, a moon, half moon, P, the bad seed, Big Chief, Mesc.</td>
<td></td>
</tr>
<tr>
<td>PSILOCYBIN</td>
<td>Sacred mushrooms, mushrooms</td>
<td></td>
</tr>
<tr>
<td>DIETHYLTRYPTAMINE (DMT)</td>
<td>DMT, 45-minute psychosis, business</td>
<td></td>
</tr>
</tbody>
</table>

SLANG TERMS | SYMPTOMS OF ABUSE | SYMPTOMS OF WITHDRAWAL |
Identification of Stimulants Illicit amphetamines are most frequently in tablet and capsule form, occasionally as powders and rarely in liquid form. While more popular brand name stimulants bear trademarks or other identifying symbols, tablets vary widely, in color, size and shape. They may be unscored, single scored or double scored; any color, shape (round, heart, square, triangular, oval, etc.) and size (varying in thickness; curved or flat; with beveled or unbeveled edges). Some are candy coated while others are not. Amphetamine capsules may be solid color, but are most often clear, filled with powder or multicolored time-disintegration beads. Methamphetamine also appears in powder, tablets or solution form for injection.

Stimulants directly affect the central nervous system. Their ability to produce increased activity, alertness and excitation has prompted people to call them “pep pills.” Amphetamines are the most widely known and frequently abused stimulants. Doctors use them to treat obesity and mild depression. Abusers tend to be accident prone. They are especially dangerous on the highway, because the drugs’ effects mask fatigue and abusers exceed their physical endurance without realizing it until it's too late. Criminals may also use amphetamines to bolster their courage before committing a crime.

The shapes, colors, effects and uses of amphetamines often spark slang names. For instance rose colored, heart shaped amphetamines are known as “peaches,” “roses,” or “hearts,” while long acting capsules are often called “coast-to-coast,” “L.A. Turnabouts,” or “co-pilots.” Methamphetamine is a powerful, but widely abused stimulant. Chemically related to the amphetamines, it has greater psychological effect. Abusers shoot “meth,” or “speed,” intravenously and use equipment similar to the narcotic abuser’s. The drug culture has coined a slogan to warn others that “speed kills” and indeed an overdose of the drug may cause death.
Stimulants

AMPHETAMINE CAPSULES

AMPHETAMINE TABLETS

AMPHETAMINE-BARBITURATE COMBINATIONS

DOSAGE FORMS OF METHAMPHETAMINE

PHENMETRAZINE TABLETS
Identification of Depressants

Depressants in illicit traffic have often been diverted from legitimate channels. Popular brand name depressants bear trademarks or other identifying symbols. They are found in tablet and capsule form with capsules predominant. Tablets are usually round with no scoring or a single score. They may be sugar coated or uncoated in a variety of shapes with or without markings. Capsules vary in color, but are frequently red ("redbirds"), yellow ("yellow jackets"), blue ("blue heavens") or red and blue ("Christmas trees"). Barbiturate capsules range widely in size and are usually filled with powder and occasionally time disintegration beads. Depressants also appear as solutions for injection and as white powder.

This group of drugs depresses the central nervous system and relieves anxiety. They are valuable when used properly but extremely dangerous when abused.

Barbiturates are depressants. The first barbituric acid derivative was introduced to medicine shortly after the turn of the century. Since then, hundreds of barbiturates have been synthesized. They are prescribed as sedatives and to induce sleep, or in smaller doses, to provide a calming effect. Legally, people can buy and use these drugs only with a doctor’s prescription, but they are extensively abused.

Barbiturate abusers often are involved in traffic accidents because their reactions tend to be sluggish. Accidental deaths from overdoses of barbiturates are common because abusers become confused as a result of the effects of the drug and forget how many they have already taken. The combination of alcohol and barbiturates can be lethal.

These drugs are addicting. Signs of physical dependence appear with doses well above therapeutic level. Withdrawal from barbiturates is especially dangerous and is characterized by accompanying convulsions and delirium. Depressants—they’re real downers!
Depressants

Phenobarbital Tablets

Pentobarbital Capsules

Secobarbital Capsules

Miscellaneous Barbiturate Tablets

Amobarbital Capsules

Amobarbital with Secobarbital

Other Depressant Drugs
Regional Addresses

Region I-Boston
JFK Federal Bldg.
Room G-64
Boston, Mass. 02203
(Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont)

Region II-New York
Suite 605
90 Church Street
New York, New York 10007
(New York, Northern New Jersey)

Region III-Philadelphia
Continental Bldg.
Suite 1000
400 Market St.
Philadelphia, Pa. 19106
(Delaware, Southern New Jersey, Pennsylvania)

Region IV-Baltimore
31 Hopkins Place, Rm. 955
Baltimore, Maryland 21201
(District of Columbia, Maryland, North Carolina, Virginia, West Virginia)

Region V-Miami
201 N.E. 12th Street
Miami, Fl. 33132
(Florida, Georgia, South Carolina, Puerto Rico)

Region VI-Detroit
602 Federal Bldg. & U.S. Courthouse
251 W Lafayette
Detroit, Michigan 48226
(Kentucky, Michigan, Ohio)

Region VII-Chicago
Suite 1800
219 S. Dearborn
Federal Office Bldg.
Chicago, Illinois 60604
(Illinois, Indiana, Wisconsin)

Region VIII-New Orleans
340 Convent Street
Fourth Floor
New Orleans, Louisiana 70130
(Alabama, Arkansas, Louisiana, Mississippi, Tennessee)

Region IX-Kansas City
U.S. Courthouse
Suite 225
811 Grand
Kansas City, Mo. 64106
(Missouri, North Dakota, South Dakota, Iowa, Kansas, Missouri, Nebraska)

Region X-Los Angeles
1310 West 6th Street
Los Angeles, Calif. 90017
(California, Hawaii, Nevada)

Region XI-Dallas
1114 Commerce Street
Dallas, Texas 75202
(Oklahoma, Texas)

Region XII-Seattle
221 1st Avenue
Seattle, Washington 98119
(Alaska, Idaho, Montana, Oregon, Washington)

Region XIII-Philadelphia
Continental Bldg.
Suite 1000
400 Market St.
Philadelphia, Pa. 19106
(Delaware, Southern New Jersey, Pennsylvania)

Region XIV-Bangkok
American Embassy
APO San Francisco 96346

Region XVII-Paris
American Embassy
1950 Stout Street
Denver, Colorado 80202
(Arizona, Colorado, New Mexico, Utah, Wyoming)

Region XV-Mexico City
American Embassy
Apartado Postal 88 Bis.
Mexico D.F., Mexico

Region XVI-Bangkok
American Embassy
APO San Francisco 96346

Region XVII-Paris
American Embassy
1950 Stout Street
Denver, Colorado 80202
(Arizona, Colorado, New Mexico, Utah, Wyoming)

Region XII-Denver
Room 200
Denver, Colorado 80202
(Arizona, Colorado, New Mexico, Utah, Wyoming)

Region XIII-Seattle
221 1st Avenue
Seattle, Washington 98119
(Alaska, Idaho, Montana, Oregon, Washington)

Region XIV-New York
Suite 605
90 Church Street
New York, New York 10007
(New York, Northern New Jersey)

Region III-Philadelphia
Continental Bldg.
Suite 1000
400 Market St.
Philadelphia, Pa. 19106
(Delaware, Southern New Jersey, Pennsylvania)

Region IV-Baltimore
31 Hopkins Place, Rm. 955
Baltimore, Maryland 21201
(District of Columbia, Maryland, North Carolina, Virginia, West Virginia)

New York Regional Laboratory
New York, New York 10007

Washington Regional Laboratory
Washington, D.C. 20537
(Maryland, West Virginia, Virginia, North Carolina, South Carolina, Georgia, Florida, Puerto Rico)

Chicago Regional Laboratory
Chicago, Illinois 60607
(North Dakota, South Dakota, Nebraska, Kansas, Minnesota, Iowa, Missouri, Wisconsin, Michigan, Illinois, Ohio, Indiana, Kentucky)

San Francisco Regional Laboratory
San Francisco, California 94102
(Washington, Oregon, Montana, Idaho, California, Nevada, Hawaii, Alaska)

Dallas Regional Laboratory
Dallas, Texas 75202
(Oklahoma, Texas, Arkansas, Mississippi, Louisiana, Tennessee, Utah, Colorado, Arizona, New Mexico, Wyoming, Alabama)

Special Testing And Research Laboratory
Washington, D.C. 20537

COVER ILLUSTRATION
Polarizing microscope
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Micro-crystal test

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