

## **Rx FOR SUCCESS**

## **Substance Abuse** — **General Terms**

Substance abuse is using a drug, alcohol, or other chemical, which causes a clinically significant impairment. Many legal and illegal drugs have abuse and addiction potential. These include narcotics (such as codeine, morphine, heroin), cocaine, amphetamines, methamphetamines, marijuana, LSD, tranquilizers (such as Valium), barbiturates, inhalants, and anabolic steroids — among many others. Substance abuse causes increased mortality risk due to overdoses, accidents, infections, or toxic effect on vital organs.

Substance abuse is defined by the psychiatric text "Diagnostic and Statistical Manual of Mental Disorders" (DSM-IV) as: "A maladaptive pattern of substance use leading to clinically significant impairment or distress, as manifested by two (or more) of the following, within a 12-month period:"

- Often taken in larger amounts or over a longer period than was intended.
- A persistent desire or unsuccessful efforts to cut down or control use.
- A great deal of time is spent in activities necessary to obtain, use, or recover from the substance's effects.
- Craving or a strong desire or urge to use the substance.
- Continued use despite having persistent or recurrent social or interpersonal problems caused or exacerbated by its effects.
- Important social, occupational, or recreational activities are given up or reduced because of use.
- Continued use despite knowledge of having a persistent or recurrent physical or psychological problem that is likely to have been caused or exacerbated by the substance.
- Recurrent use resulting in a failure to fulfill major role obligations at work, school, or home.
- Recurrent use in situations in which it is physically hazardous.
- ▶ Recurrent legal problems due to drug use.
- ▶ Continued use despite social or interpersonal problems caused or exacerbated by the effects of the substance.

Abusers tend to have a drug of choice, but readily switch to another drug within the same category if their preferred drug is not available. For example, those addicted to alcohol easily become addicted to benzodiazepines. Therefore, when drugs such as Valium are used for detoxification from alcohol, they are given under the guidance of a health professional.

## Mortality risks in a population of substance abusers include:

- ▶ Deaths from natural causes such as the poisonous effects of substances and from infections (hepatitis/HIV/endocarditis) from injectables.
- Accidental deaths from overdose and trauma (motor vehicle accidents, falls, etc.).
- ▶ Violent deaths from suicide and homicide.

## Other points that increase the risk associated with substance abuse:

- ▶ Multiple or polydrug use/abuse, especially involving illicit street drugs.
- Substance abuse in the presence of a known psychiatric impairment.
- ▶ Substance abuse in the presence of known interaction with the legal system, such as adverse driving record or other arrest record.
- ▶ Substance abuse in the presence of social (occupational, marital, familial) or behavioral problems.

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It is not possible to list all drugs with abuse potential, but some are listed (divided by classes) in the partial table below. There are many street/jargon names as well.

| OPIATE<br>NARCOTICS  | PSYCHEDELICS/<br>HALLUCINOGENS   | STIMULANTS   | SEDATIVES  | INHALANTS   | MISC.                        |
|--|--|--|--|---|------------------------------|
| • Opium  | <ul> <li>Marijuana</li> </ul>  | • Cocaine  | <ul> <li>Alcohol</li> </ul>  | • Glue  | <ul> <li>Anabolic</li> </ul> |
| <ul><li> Heroin</li><li> Morphine</li><li> Codeine</li><li> Others</li></ul> | <ul><li>PCP</li><li>LSD</li><li>Mescaline</li><li>Ecstasy</li><li>Others</li></ul> | <ul><li>Amphetamine</li><li>Metham-<br/>phetamine</li><li>Others</li></ul> | <ul><li>Benzodiazepines<br/>(Valium, etc.)</li><li>Barbiturates</li><li>Others</li></ul> | <ul><li>Gasoline</li><li>Solvents</li><li>Amyl nitrate</li><li>Others</li></ul> | steroids • Others            |

Some of the above substances have legitimate uses as well as abuse and addiction potential. Possible legitimate uses in medical treatment are listed below.

Consult *Rx for Success* — Alcohol and *Rx for Success* — Marijuana for additional details on how Prudential Underwriting views the risks associated with a history of abusing each substance.