Current Trends in Substance Abuse: Minnesota and nationally

2011 drug court conference
St Paul, Minnesota
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Carol Falkowski
Drug Abuse Strategy Officer
Minnesota Department of Human Services
carol.falkowski@state.mn.us
Past month use of selected illicit drugs among persons age 12 or older: 2002-2009

<table>
<thead>
<tr>
<th>Year</th>
<th>Illicit Drugs</th>
<th>Marijuana</th>
<th>Cocaine</th>
<th>Psychotherapeutics</th>
<th>Hallucinogens</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002</td>
<td>8.3</td>
<td>6.2</td>
<td>2.7</td>
<td>0.9</td>
<td>0.5</td>
</tr>
<tr>
<td>2003</td>
<td>8.2</td>
<td>6.2</td>
<td>2.7</td>
<td>1.0^</td>
<td>0.4</td>
</tr>
<tr>
<td>2004</td>
<td>7.9</td>
<td>6.1</td>
<td>2.5</td>
<td>0.8</td>
<td>0.4</td>
</tr>
<tr>
<td>2005</td>
<td>8.1</td>
<td>6.0</td>
<td>2.7</td>
<td>1.0^</td>
<td>0.4</td>
</tr>
<tr>
<td>2006</td>
<td>8.3</td>
<td>6.0</td>
<td>2.9^</td>
<td>1.0^</td>
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<tr>
<td>2007</td>
<td>8.0</td>
<td>5.8</td>
<td>2.8^</td>
<td>0.8</td>
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<tr>
<td>2008</td>
<td>8.0</td>
<td>6.1</td>
<td>2.5</td>
<td>2.5</td>
<td>0.7</td>
</tr>
<tr>
<td>2009</td>
<td>8.7</td>
<td>6.6</td>
<td>2.8</td>
<td>2.8</td>
<td>0.4</td>
</tr>
</tbody>
</table>

Source: National Surveys on Drug Use and Health, SAMHSA.

* Difference between this estimate and the 2008 estimate is statistically significant at the .05 level.
Specific drug used when initiating illicit drug use among past year initiates of illicit drugs aged 12 or older: 2009

3.1 Million Initiates of Illicit Drugs

Note: The percentages do not add to 100 percent due to rounding or because a small number of respondents initiated multiple drugs on the same day.
Illicit Drug Use in Past Month among Persons Aged 12 or Older by State

Source: SAMHSA, Office of Applied Studies, National Survey on Drug Use and Health, 2006 and 2007. No differences across age groups
Marijuana Use in Past Month among Persons Aged 12 or Older by State

Marijuana Use in Past Month among Persons Aged 12 -17 by State

Marijuana Use in Past Month among Persons Aged 18 -25 by State

Illicit Drug Use Other Than Marijuana in Past Month among Persons Aged 12 and Older by State

Nonmedical Use of Pain Relievers in Past Year among Persons Aged 12 or Older by State

Adults reporting at least one drink in past 30 days


DC = 68.1%
CT = 67%
WI = 66.8%
NH = 64.7%
VT = 64.5%
RI = 64%
MA = 63%
MN = 61.5%
ND = 60.5%
Nationwide = 53.9%
Adults reporting at binge drinking in past 30 days


WI = 23.9 %
ND = 21.4%
MN = 20.2 %
Nationwide = 15.5%
Alcohol Use in Past Month among Persons Aged 12 or Older, by State

Binge Alcohol Use in Past Month among Persons Aged 12 or Older by State

The Minnesota Student Survey is conducted every three years among students in Minnesota public schools, including charter schools and tribal schools in grades 6, 9, and 12.

- Of the 335 public operating school districts, 295 agreed to participate (88%).

- Student participation was voluntary. Pen and pencil surveys were anonymous.

- Across the state, approximately 79% of public school sixth graders, 75% of public school ninth graders, and 59% of public school twelfth graders participated in the 2010 Minnesota Student Survey.

- Overall participation across the three grades was approximately 71% of total enrollment.
Selected substance use in past year by 12th graders
Nationally and in Minnesota - 2010

<table>
<thead>
<tr>
<th>Substance</th>
<th>U.S.</th>
<th>Minnesota</th>
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</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>65.2%</td>
<td>55.3%</td>
</tr>
<tr>
<td>MJ</td>
<td>34.8%</td>
<td>30.6%</td>
</tr>
<tr>
<td>Pain pills</td>
<td>8.7%</td>
<td>6.3%</td>
</tr>
<tr>
<td>Cocaine</td>
<td>2.9%</td>
<td>4.7%</td>
</tr>
<tr>
<td>MDMA</td>
<td>4.5%</td>
<td>3.2%</td>
</tr>
<tr>
<td>Inhalants</td>
<td>3.6%</td>
<td>2.4%</td>
</tr>
<tr>
<td>Meth</td>
<td>1.0%</td>
<td>1.4%</td>
</tr>
<tr>
<td>Heroin</td>
<td>0.9%</td>
<td>1.4%</td>
</tr>
</tbody>
</table>

Methamphetamine use in past year by 12th graders
Nationally and in Minnesota 2001 - 2010

% of 12th graders reporting
U.S. Minnesota

<table>
<thead>
<tr>
<th></th>
<th>2001</th>
<th>2004</th>
<th>2007</th>
<th>2010</th>
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</thead>
<tbody>
<tr>
<td>U.S.</td>
<td>3.9</td>
<td>3.4</td>
<td>1.7</td>
<td>1</td>
</tr>
<tr>
<td>Minnesota</td>
<td>5.8</td>
<td>4.8</td>
<td>2.2</td>
<td>1.4</td>
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Alcohol use in the past year by 12th graders
Nationally and in Minnesota: 1992 - 2010

<table>
<thead>
<tr>
<th>Year</th>
<th>U.S.</th>
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<tbody>
<tr>
<td>1992</td>
<td>76.8</td>
<td>79.9</td>
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<tr>
<td>1995</td>
<td>73.7</td>
<td>68.8</td>
</tr>
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<td>1998</td>
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<td>2001</td>
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<td>2004</td>
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<td>2007</td>
<td>66.4</td>
<td>62.5</td>
</tr>
<tr>
<td>2010</td>
<td>65.2</td>
<td>55.3</td>
</tr>
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</table>

Cigarette smoking in past 30 days by 12th graders
Nationally and in Minnesota: 1992 - 2010

% of 12th graders reporting

<table>
<thead>
<tr>
<th>Year</th>
<th>U.S.</th>
<th>Minnesota</th>
</tr>
</thead>
<tbody>
<tr>
<td>1992</td>
<td>27.8</td>
<td>31.3</td>
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<tr>
<td>1995</td>
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<td>2004</td>
<td>25</td>
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<td>2007</td>
<td>21.6</td>
<td>22.8</td>
</tr>
<tr>
<td>2010</td>
<td>19.2</td>
<td>19.2</td>
</tr>
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Marijuana use in past year by 12th graders
Nationally and in Minnesota: 1992 - 2010

<table>
<thead>
<tr>
<th>Year</th>
<th>U.S.</th>
<th>Minnesota</th>
</tr>
</thead>
<tbody>
<tr>
<td>1992</td>
<td>21.9</td>
<td>21.8</td>
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<tr>
<td>1995</td>
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<tr>
<td>2007</td>
<td>31.7</td>
<td>30.8</td>
</tr>
<tr>
<td>2010</td>
<td>34.8</td>
<td>30.6</td>
</tr>
</tbody>
</table>

Synthetic Drugs
Synthetic marijuana products

- Cannabinoid compounds JWH-018 and JWH-073 are produced in a lab and sprayed on herbal mixtures
- Marketed as “incense” and sold online and in “head shops”
- Labeled “not for human consumption” but marketed to those who are interested in using them to achieve psychoactive effects similar to marijuana
- These bind to the same cannabinoid receptors in the body as THC (delta-9-tetrahydrocannabinol), the primary psychoactive component of marijuana.
- Some of these compounds, however, bind more strongly to the receptors, which could lead to a much more powerful and unpredictable effect.
Synthetic marijuana products

- Federally regulated, as of March 2011 and banned in some cities and states
- U.S. Drug Enforcement Administration (DEA) banned five synthetic cannabinoids by placing them in Schedule I status under the Controlled Substances Act.
- Schedule I status means that the substance is considered to have a high potential for abuse and no known medical benefits; and as such, it is illegal to possess or sell products that contain the substance.
- Effective March 2011, this ban will continue for 1 year while the DEA continues to gather information about the chemicals.
Phenylethylamines “Research chemicals”

- Depicted as research chemicals not for human consumption to be used by fellow researchers
- Phenylethylamines – long-acting hallucinogens
- Include: 2-CB “Nexus”/ 2C-E “Europa”/ 2C-I/2 C-T-7
- Several are Federally controlled under Schedule I Controlled Substances which means they can be prosecuted under the Federal Controlled Substances Analogue Act
- 2C-B is Schedule I
Phenylethylamines, “Research chemicals”

- Typically is used by teenagers and young adults and used at raves, private parties, nightclubs, and other venues where the use of other drugs, such as MDMA (3,4-methylenedioxymethamphetamine, also known as ecstasy), is well-established.
- Phenylethylamines produce negative physical and psychological effects in users.
- Physical effects include visual and auditory disturbances and distortions, increased blood pressure, blurred vision, dehydration, dilated pupils, headaches, irregular heartbeat, jaw clenching, nausea, and vomiting.
- Psychological effects include emotional distress, hallucinations, inability to sleep, irritability, loss of memory, nervousness, restlessness, and tension.
- Risks increase with coingestants
An arrest after a night of drinking, drugs and death
Article by: PAUL LEVY, DAVID CHANEN and ERIC ROPER, Star Tribune staff writers / March 18, 2011 - 11:27 PM

A 21-year-old Blaine man was arrested Friday on suspicion of murder for allegedly providing the substance used at a house party that killed one and left 10 hurt.

Jake Kruse got to the party late and walked into a Blaine house strewn with beer bottles. Then teens and young adults began taking a drug that few knew anything about.

Two days later, one of those teens is dead from an overdose of 2C-E, a synthetic hallucinogen, and 21-year-old Timothy Richard Lamere is jailed on suspicion of providing the substance used at the party. The Anoka County Sheriff's Office said he "reportedly purchased, possessed and provided the 2C-E."

The office said Lamere, of Blaine, was arrested Friday on suspicion of third-degree murder in the death of Trevor Robinson, and could be charged Monday. Eleven partygoers, including Kruse, ended up in a hospital early Thursday after the party, and an 18-year-old woman remained in critical condition Friday. The others have been released.
N-BENZYLPIPERAZINE, a.k.a., BZP, A2, Legal E or Legal X

- BZP has stimulant effects, produces euphoria and cardiovascular effects (increased heart rate and systolic blood pressure).
- Studies demonstrate that the abuse, dependence potential, pharmacology and toxicology of BZP are similar to those of amphetamine.
- Public health risks of BZP are similar to those of amphetamine.
- BZP is about 10 times less potent than amphetamine in producing these effects in subjects with histories of amphetamine dependence.
- BZP is often abused in combination with 1-[3-(trifluoro-methyl)phenylpiperazine (TFMPP), a non-controlled substance.
- This combo is known among youthful users as a substitute for MDMA, yet no scientific studies indicate this combination produces MDMA-like behavioral effects.
- In 2004, the DEA permanently placed BZP in Schedule I of the Controlled Substances Act (CSA) because of its high abuse potential and lack of accepted medical use.
Bath Salts (mephedrone)

- “Bath Salts”
- Mimic effects of cocaine and MDMA
- Hallucinations
- Paranoia
- Rapid heart rate
- Suicidal thoughts
- Contains mephedrone (MDPV), an amphetamine

The "bath salts," which are being snorted and smoked to produce a cocaine- and meth-like high, have sent dozens of users to emergency rooms after violent behavior and hallucinations. Florida and Louisiana have banned the sale of the product.
Bath Salts (mephedrone)

- Also marketed as plant food, incense, cleaner, and incense
- Used by snorting, injection and smoking
- Sold in convenience stores, gas stations, tattoo parlors, pawn shops, truck stops
- Labeled “not for human consumption”
- Users range from teens to 40’s
- Users have extensive drug abuse histories
- *Dateline NBC* tracks Minneapolis-based manufacturer
Past year hallucinogen initiates among persons aged 12 or older: 2002-2009

SOURCE: National Survey on Drug Use and Health, SAMHSA, 2009
Heroin

Processed from morphine, a naturally occurring substance extracted from the seed pod of poppy plants

West of Mississippi – Mexican heroin/ East of Mississippi - Columbian heroin

Heroin enters the brain, is converted to morphine, and binds to opioid that are located in many areas of the brain (and in the body), especially those involved in the perception of pain and in reward. Opioid receptors are also located in the brain stem—important for automatic processes critical for life, such as breathing (respiration), blood pressure, and arousal. Heroin overdoses frequently involve a suppression of respiration

With regular heroin use, tolerance develops, in which the user’s physiological (and psychological) response to the drug decreases, and more heroin is needed to achieve the same intensity of effect. Heroin users are at high risk for addiction—it is estimated that about 23 percent of individuals who use heroin become dependent on it.
Prescription Drug Abuse

Ingesting another person’s prescription medication, or taking it not as medically directed (dose, reasons).
Commonly abused classes of prescription medications:

-- **Opioids (for pain),**

  Opioids include hydrocodone (Vicodin®), oxycodone (OxyContin®), propoxyphene (Darvon®), hydromorphone (Dilaudid®), meperidine (Demerol®), and diphenoxylate (Lomotil®).

-- **Depressants (for anxiety and sleep disorders)**

  Central nervous system depressants include barbiturates such as pentobarbital sodium (Nembutal®), and benzodiazepines such as diazepam (Valium®) and alprazolam (Xanax®).

-- **Stimulants (for ADHD and narcolepsy).**

  Stimulants include dextroamphetamine (Dexedrine®), methylphenidate (Ritalin® and Concerta®), and amphetamines (Adderall®).
Total Number of Hydrocodone and Oxycodone Prescriptions, Dispensed by US Retail Pharmacies, Years 1991-2009

Source: SDI Vector One®: National (VONA) 09-30-10 Hydrocodone & Oxycodone 1991-2009
Past year initiates of specific illicit drugs among persons aged 12 or older: 2009

SOURCE: National Survey on Drug Use and Health, SAMHSA, 2009
Approximately one-half (48%) of these pharmaceutical misuse/abuse visits involved pain relievers, and more than one-third (35%) involved drugs to treat insomnia and anxiety.

At the same time, ED visits involving illicit drug use were relatively stable.

SOURCE: Drug Abuse Warning Network, SAMHSA
Substances for which treatment was received in the past year among persons aged 12 or older: 2009

<table>
<thead>
<tr>
<th>Substance</th>
<th>Numbers in Thousands</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alcohol</td>
<td>2,894</td>
</tr>
<tr>
<td>Marijuana</td>
<td>1,243</td>
</tr>
<tr>
<td>Cocaine</td>
<td>787</td>
</tr>
<tr>
<td>Pain Relievers</td>
<td>739</td>
</tr>
<tr>
<td>Stimulants</td>
<td>517</td>
</tr>
<tr>
<td>Heroin</td>
<td>507</td>
</tr>
<tr>
<td>Hallucinogens</td>
<td>443</td>
</tr>
<tr>
<td>Tranquilizers</td>
<td>421</td>
</tr>
</tbody>
</table>

Patients receiving treatment for addiction to pain relievers among persons age 12 and older: 2002 - 2009

Effective medication-assisted treatments are available for opiate addiction:

**Methadone** is a synthetic opiate that blocks the effects of heroin and eliminates withdrawal symptoms and has a proven record of success for people addicted to heroin. Methadone's effects last four to six times as long as those of heroin, so people in treatment need to take it only once a day. Methadone is medically safe even when used continuously for 10 years or more. Combined with behavioral therapies or counseling and other supportive services, methadone enables patients to stop using heroin (and other opiates) and return to more stable and productive lives.

**Buprenorphine**, approved by the Food and Drug Administration (FDA) in 2002, provides a less addictive alternative to methadone maintenance, reduces cravings with only mild withdrawal symptoms, and can be prescribed in the privacy of a doctor's office.

**Naloxone and naltrexone** block the effects of morphine, heroin, and other opiates. As antagonists, they are especially useful as antidotes. Naltrexone has long-lasting effects, ranging from 1 to 3 days, depending on the dose and blocks the pleasurable effects of heroin. It is useful in treating some highly motivated individuals and is found to be successful in preventing relapse by former opiate addicts released from prison on probation.
What you can do:

The White House Office of National Drug Control Policy Federal blueprint for reducing prescription drug abuse:

**GOAL:**
To reduce the nonmedical abuse of Rx drugs, and ensure access to Rx medication used legitimately

Requires community collaboration and cooperation across multiple tribes and levels of government
What you can do:

**EDUCATION**

- Of parents, peers, patients, dispensers, and health care providers
  
  Scope: Appropriate prescribing, adverse events, signs of abuse/abuse risk; signs of addiction; storage of medications, and disposal of medications

- Working with physicians to achieve consensus standards on opiate painkiller prescribing.
What you can do:

PRESCRIPTION DRUG MONITORING PROGRAMS

To help identify individuals who inappropriately obtain excessive amounts of controlled substances from multiple prescribers and pharmacies.

Minnesota PMP since 2010

as of March 1, 2011:
Controlled substance prescriptions collected = 6,875,346
Approved users for the PMP database = 4,031
What you can do:

**DISPOSAL**

- The goal is easy to use, environmentally friendly disposal options to reduce amount and availability.

- Initiate or participate in Drug Take Back Days. In 2010 over 4,000 sites across the country took back 121 tons.

- **April 30, 2011** is the next one.

- In your home, follow guidelines on disposal.
What you can do:

**LAW ENFORCEMENT**

Increase training of law enforcement to
- Heighten interdiction
- Disrupt and dismantle drug trafficking organizations,
- Share intelligence and investigative information across departments and jurisdictions.

Take legislative steps to prohibit “pill mills” (rogue pain clinics).
What about Minnesota?
Twin Cities metropolitan area estimates of drug-related emergency department visits by drug category: 2004 - 2009

<table>
<thead>
<tr>
<th></th>
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<th>2005</th>
<th>2006</th>
<th>2007</th>
<th>2008</th>
<th>2009</th>
</tr>
</thead>
<tbody>
<tr>
<td>MJ</td>
<td>4.455</td>
<td>4.467</td>
<td>4.302</td>
<td>5.757</td>
<td>5.617</td>
<td>5.596</td>
</tr>
<tr>
<td>cocaine</td>
<td>6.228</td>
<td>6.076</td>
<td>6.764</td>
<td>5.189</td>
<td>5.39</td>
<td>3.843</td>
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<td>heroin</td>
<td>1.189</td>
<td>1.023</td>
<td>1.309</td>
<td>1.691</td>
<td>1.651</td>
<td>1.855</td>
</tr>
<tr>
<td>meth</td>
<td>1.741</td>
<td>2.209</td>
<td>1.12</td>
<td>1.103</td>
<td>1.001</td>
<td>0.97</td>
</tr>
<tr>
<td>MDMA</td>
<td>0.204</td>
<td>0.254</td>
<td>0.252</td>
<td>0.433</td>
<td>0.485</td>
<td>0.475</td>
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<td>inhalants</td>
<td>0.181</td>
<td>0.128</td>
<td>0.08</td>
<td>0.08</td>
<td>0.1</td>
<td>0.092</td>
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<tr>
<td>narc analgesics</td>
<td>1.94</td>
<td>1.872</td>
<td>2.491</td>
<td>3.391</td>
<td>3.905</td>
<td>3.89</td>
</tr>
</tbody>
</table>

Exhibit 1

Percent of admissions to Minneapolis/St. Paul area addiction treatment programs by primary substance problem: 2010

- Alcohol 51.3%
- Marijuana 18.3%
- Other opiates 8.4%
- Cocaine 5.7%
- Methamphetamine 6.4%
- Heroin 7.8%
- Marijuana 18.3%
- Alcohol 51.3%
- Other 2.1%
Percent of admissions to Minneapolis/St. Paul area addiction treatment programs by primary substance problem: 2000 - 2010

Exhibit 2

SOURCE: Minnesota Department of Human Services, Drug and Alcohol Abuse Normative Evaluation System (DAANES), May 2011.
Admissions to Minneapolis/St. Paul area addiction treatment programs with cocaine as the primary substance problem: 2002 - 2010

SOURCE: Minnesota Department of Human Services, Drug and Alcohol Abuse Normative Evaluation System (DAANES), May 2011.
Admissions to Minneapolis/St. Paul area addiction treatment programs with methamphetamine as the primary substance problem: 2002 - 2010

SOURCE: Minnesota Department of Human Services, Drug and Alcohol Abuse Normative Evaluation System (DAANES), May 2011.
Admissions to Minneapolis/St. Paul area addiction treatment programs with heroin and other opiates as the primary substance problem: 2002 - 2010

SOURCE: Minnesota Department of Human Services, Drug and Alcohol Abuse Normative Evaluation System (DAANES), May 2011.
Percent of male arrestees who tested positive for drugs in Hennepin County: 2007 - 2010

% of arrestees testing positive

Drug-related deaths in Hennepin County and Ramsey County: 2000 - 2010

SOURCE: Hennepin County Medical Examiner and Ramsey County Medical Examiner, May 2011.
Most frequently identified drugs of total analyzed drug items in Minneapolis/St. Paul area: 2010

Percent of male arrestees who tested positive for drugs in Hennepin County: 2007 - 2010

What is addiction?
Addiction is a chronic, relapsing brain disease characterized by compulsive drug seeking and use, despite harmful consequences associated with use.
Both addiction and heart disease disrupt the functioning of the underlying organ, have serious consequences, are treatable, and last a lifetime.
**DSM-IV Substance Dependence Criteria:** Substance dependence is defined as a maladaptive pattern of substance use leading to clinically significant impairment or distress, as manifested by three (or more) of the following, occurring any time in the same 12-month period:

1. **Tolerance**, as defined by either of the following: (a) A need for markedly increased amounts of the substance to achieve intoxication or the desired effect or (b) Markedly diminished effect with continued use of the same amount of the substance.

2. **Withdrawal**, as manifested by either of the following: (a) The characteristic withdrawal syndrome for the substance or (b) The same (or closely related) substance is taken to relieve or avoid withdrawal symptoms.

3. The substance is often taken in larger amounts or over a longer period than intended.

4. There is a persistent desire or **unsuccessful efforts to cut down** or control substance use.

5. A **great deal of time** is spent in activities necessary to obtain the substance, use the substance, or recover from its effects.

6. Important social, occupational, or recreational activities are given up or reduced because of substance use.

7. The **substance use is continued despite knowledge of having a persistent physical or psychological problem that is likely to have been caused or exacerbated by the substance** (for example, current cocaine use despite recognition of cocaine-induced depression or continued drinking despite recognition that an ulcer was made worse by alcohol consumption).

Why some people get addicted and others do not
How effective is addiction treatment?
The outcomes of addiction treatment are comparable to the outcomes of other chronic diseases with behavioral components.

Relapse rates for drug-addicted patients are compared with rates for those suffering from diabetes, hypertension and asthma. Relapse is common and similar across these illnesses (as is adherence to medication). Thus, drug addiction should be treated like any other chronic illness, with relapse serving as a trigger for renewed intervention.

Addiction treatment services in Minnesota help people remain alcohol and drug free; obtain or regain employment; stay out of the criminal justice system; find stable housing; and enter into recovery.

Minnesota reports the following addiction treatment outcomes for public pay patients:

- A 69.4% decrease in alcohol use
- A 63.9% decrease in illicit drug use
- A 47.1% decrease in client homelessness
- A 59.4% decrease in arrests in the past 30 days
Minnesota Addiction Treatment Outcome Measures
Public patients only - 2008

% of patients reporting

- Alcohol use
- Drug use
- Arrests
- Unemployed
- Homeless
- No self-help
- No family support

SOURCE: Drug and Alcohol Abuse Normative Evaluation System (DAANES), Minnesota Dept of Human Services, 2010. These measures refer to the 30 days before treatment admission compared with the 30 days prior to treatment discharge for public pay patients who received treatment in 2008 and whose discharge data were submitted by 11/5/2009.
What about identifying addiction?
# Identification Rates for substance use disorders and other common health conditions

<table>
<thead>
<tr>
<th>Disorder</th>
<th>% of affected individuals who are ID-ed</th>
</tr>
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<tbody>
<tr>
<td>Alcohol/Drug use disorders</td>
<td>7 – 18</td>
</tr>
<tr>
<td>Depression</td>
<td>45</td>
</tr>
<tr>
<td>Diabetes</td>
<td>65</td>
</tr>
<tr>
<td>Hypertension</td>
<td>70</td>
</tr>
</tbody>
</table>

SOURCE: Center for Integrated Behavioral Health Policy, Dept of Health Policy, George Washington University Medical Center.
4 Most cost effective screening and brief interventions

- Discuss daily aspirin use: men over 40, women over 50
- Childhood immunizations
- Smoking cessation/advice to quit; adults
- Alcohol screening and brief intervention

NEW in 2011:

Screening, Evaluation and Treatment (SET)

Initiative of MN DHS to train primary care doctors in state contracted HMOs to screen, evaluate and treat substance use disorders.