

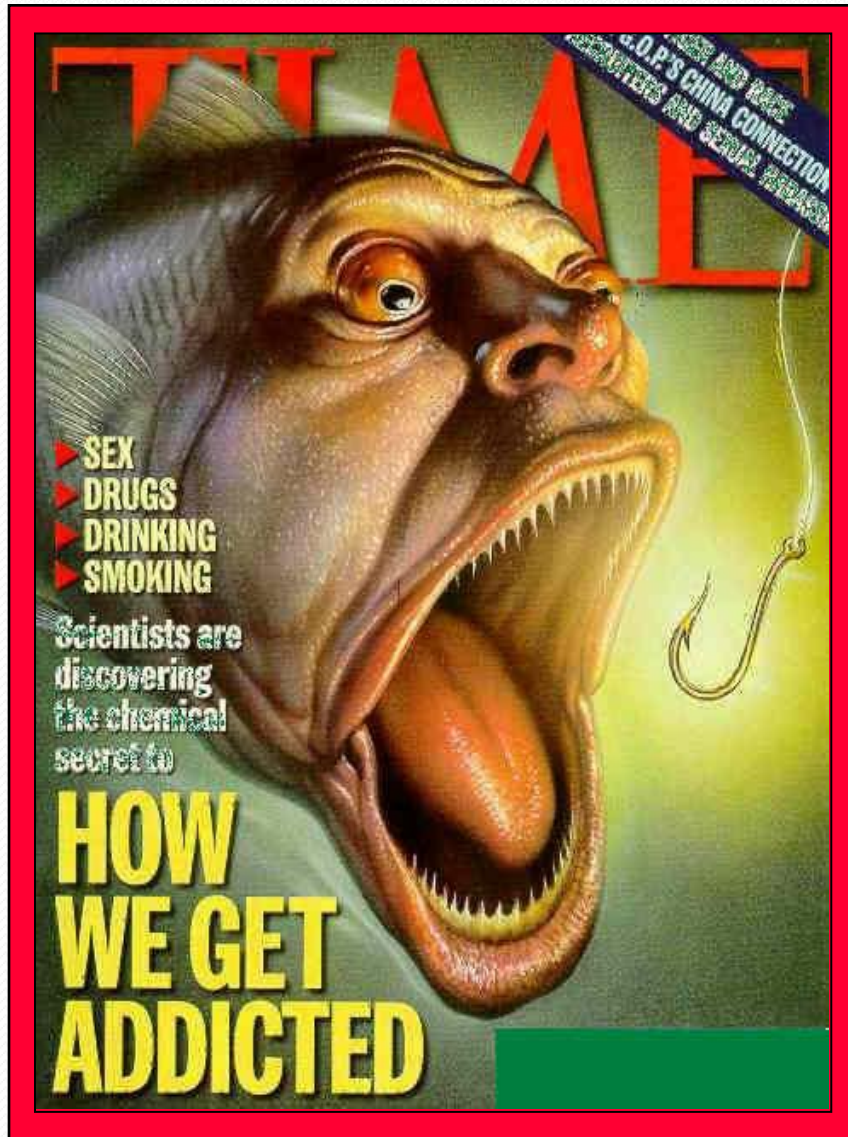
Rx Drug Abuse

***Iowa Office of Drug Control Policy
January 27, 2011***



***Scott Collier
Drug Enforcement Administration
St. Louis Division***

Current Users



ANY ILLICIT DRUG:
21.8 million
(8.7 % of population)

MARIJUANA: **16.7 million**

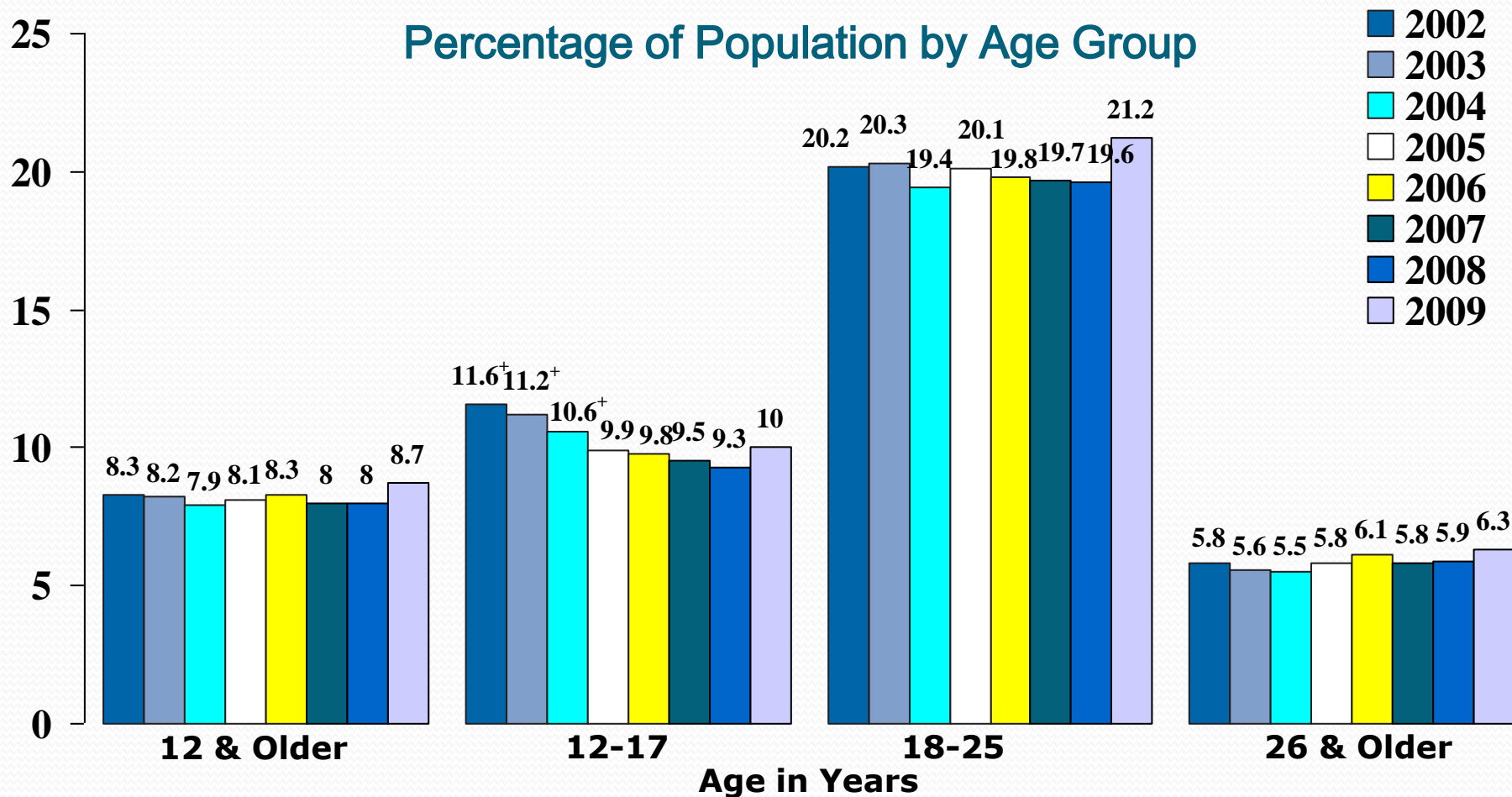
PSYCHOTHERAPEUTIC
DRUGS: **7 million**

COCAINE: **1.6 million**

METHAMPHETAMINE: **502,000**

HEROIN: **200,000**

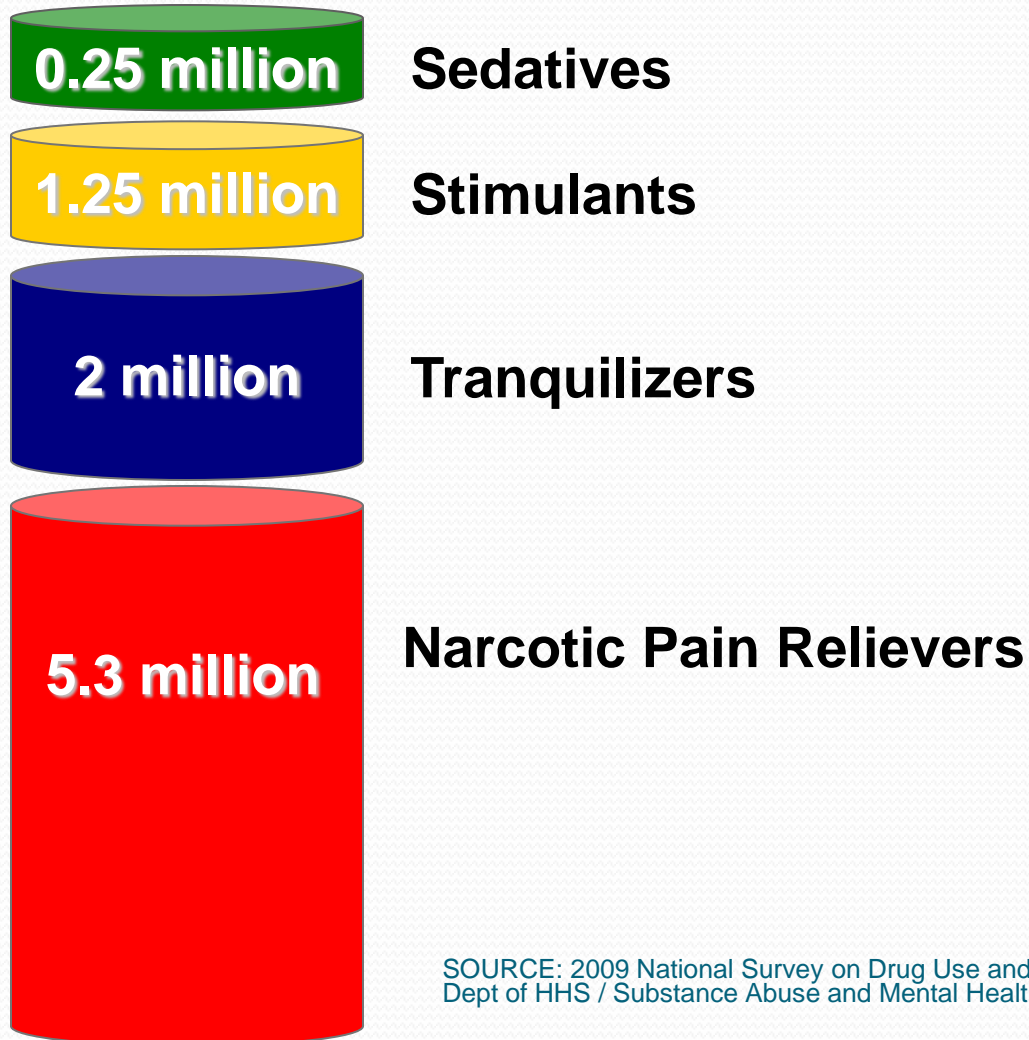
Past Month Illicit Drug Use among Persons Aged 12+, by Age: 2002-2008



Teen Trends

- In 2008, on average, 5,965 persons per day abused prescription pain relievers for the first time. For the first time, more drug users initiated drug use with pharmaceutical drugs than with marijuana.
- On average, every day, 2,500 teens used prescription drugs to get high for the first time.
- 1 in 7 teens admit to abusing prescription drugs to get high in the past year.
- 60% of teens who abused prescription pain relievers did so before the age of 15.
- 56% of teens believe that prescription drugs are easier to get than illicit drugs.
- 40% of teens believe that prescription drugs are “much safer” than illegal drugs, and 30% believe that prescription pain relievers are not addictive.
- According to the CDC, prescription drugs, including opioids and antidepressants, are responsible for more overdose deaths than “street drugs” such as cocaine, heroin, and amphetamines.

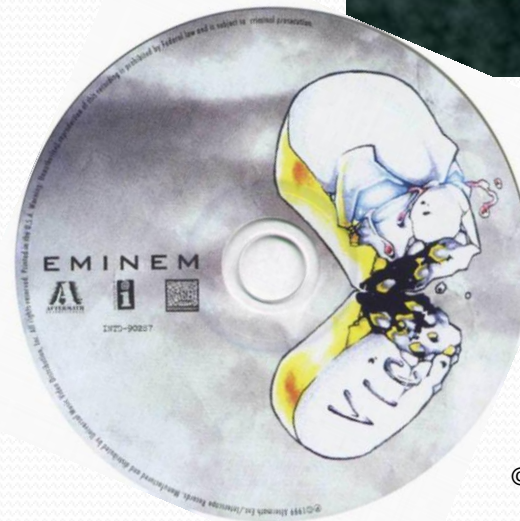
Types of Pharmaceuticals Abused



SOURCE: 2009 National Survey on Drug Use and Health (NSDUH) published Sept 2010
Dept of HHS / Substance Abuse and Mental Health Services Administration (SAMHSA)

Hydrocodone

- Vicodin[®], Lortab[®], Lorcet[®]
- #1 Most Prescribed Drug in US*
- Most commonly abused and diverted pharmaceutical
- Structurally related to codeine and approximately equal to morphine in producing opiate-like effects
- Rap star Eminem has a Vicodin[®] tattoo on his arm and a picture of a Vicodin[®] tablet on one of his CDs






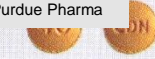

© Shady Records

OxyContin®

- Controlled Release formulation of C2 Oxycodone
- Similar to morphine in its effects and abuse / dependence potential
- ‘Hillbilly Heroin’ - addiction, crime and fatal overdoses have all been reported as a result of OxyContin® abuse
- AKA OC’s, Killers, Oxycoffins, Oxycotton
- The controlled release method of delivery allows for a longer duration of drug action so it contains much larger doses of oxycodone
- Abusers easily compromise the controlled release formulation by crushing the tablets for a powerful morphine-like high



OXYCONTIN® 
 (OXYCODONE HCl CONTROLLED-RELEASE) TABLETS

United States	Mexico	Canada
10 mg 	10 mg 	10 mg 
20 mg 	20 mg 	20 mg 
40 mg 	40 mg 	40 mg 
80 mg 		80 mg 
160 mg 		

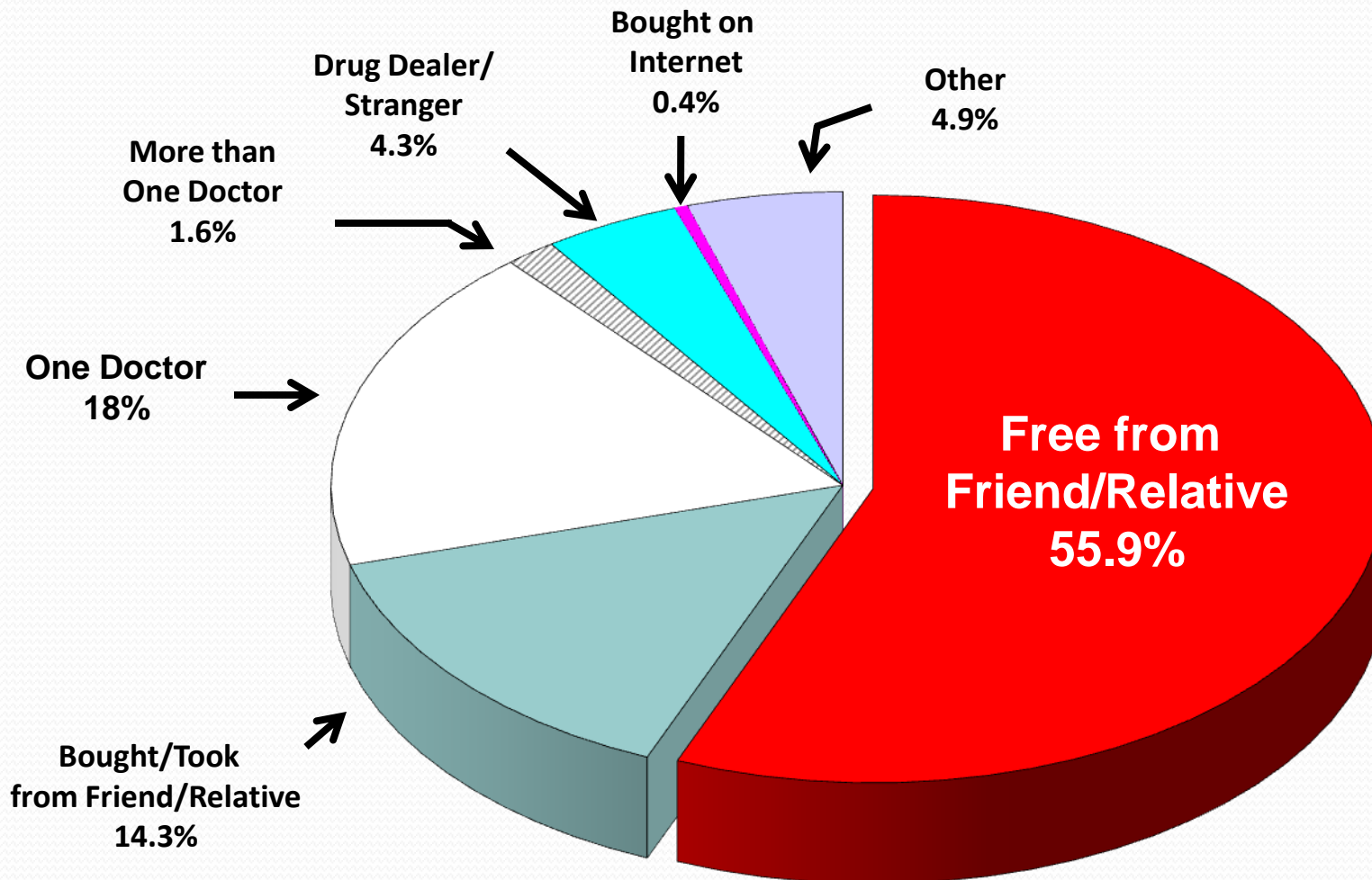
Manufactured by Purdue Pharma

The “Holy Trinity”

- Soma (carisoprodol) – Muscle relaxant
- Xanax (alprazolam) – anti-anxiety
- Vicodin (hydrocodone) – narcotic

These three drugs, when taken in combination, are known as the “holy trinity” by abusers. This combination gives abusers a feeling of euphoria, similar to that of heroin.

Source of Rx Narcotics Used Non-Medically 2009



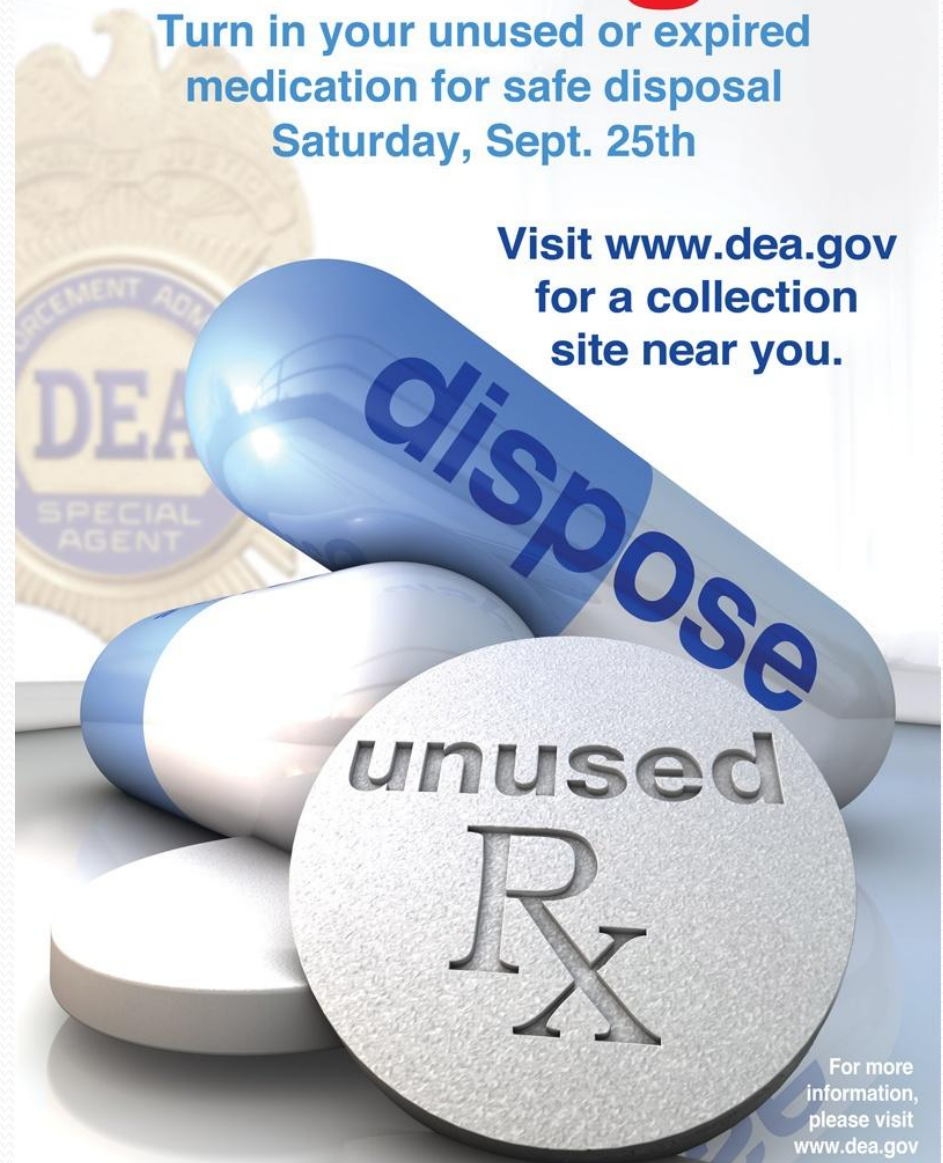
Note: Totals may not sum to 100% because of rounding or because suppressed estimates are not shown.

Got Drugs?

Turn in your unused or expired medication for safe disposal
Saturday, Sept. 25th

Visit www.dea.gov
for a collection
site near you.

- Collected 242,000 pounds
- Next April 30, 2011



For more
information,
please visit
www.dea.gov



Rx Drug Users Transitioning to Heroin

What's New...

- **New User Population**
 - White
 - Middle Class
 - Suburban
- **Suburbuban Teens**
Transitioning from Rx
Narcotics such as
OxyContin & Vicodin to
heroin



What is new about Heroin...

- More refined
 - Most US Heroin comes from Mexico & Colombia.
 - Formerly brown or black tar
 - Not suitable for snorting
 - Now refined to a white powder



What is new about Heroin...

- Route of Administration
 - Formerly most commonly dissolved & injected
 - Black/Brown Heroin
 - Now Mostly snorted
 - Less stigma
 - White/Tan Heroin



What is new about Heroin...

- Often mixed with other drugs
 - Fentanyl - analgesic potency of about 80 times that of morphine
 - **Linked to 500 OD Deaths in St. Louis Metro Area**
 - **From 35 in 2005 to 154 in 2009**
 - **40% Under Age 29**
 - Diphenhydramine – OTC antihistamine
 - Potentiates the effect of narcotics
 - At high doses it can cause hallucinations
 - “Cheese” Heroin

Purported Marijuana Substitutes

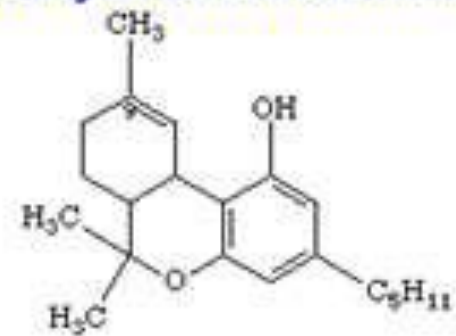
K2, Spice, Blaze, Skunk, Sense
Majic Spice, Red Bird



Purported Marijuana Substitutes

- Encountered since 2006
- Dried plant material used mostly for their aromatic properties
 - In essence, you are smoking potpourri
 - Websites proclaim use for aroma therapy
- Plant material sometimes laced with synthetic THC-like compounds
 - JWH-018
 - JWH-073
 - HU-210

tetrahydrocannabinol



Purported Marijuana Substitutes

- DEA analysis of samples has found these compounds only occasionally.
- Most analysis has revealed no controlled substance present.
 - Dr. Anthony Scalzo, Professor of Toxicology @ St. Louis U.
 - 30 reports involving teens
 - Hallucinations, elevated heart rates, vomiting, tremors, seizures
 - Toxic chemicals are neither natural nor safe.

Cocaine Substitute

Designer Bath Salts

- Mephedrone
 - *Not controlled, but is analog of methcathinone (CI).*
- Methylenedioxypropylone
 - *Also not controlled. MDPV is similar to cathinone (CI)*
- Both act as a stimulants.
- Discussion on internet re: aphrodesiac-like effects
- Adverse effects are broadly similar to those of stimulants - increased heart rate, chest pain, agitation, irritability, dizziness, delusions, nose bleeding, nausea and vomiting.
- \$25-\$50/50mg packet
 - Rite Aid Epsom Salts \$6.99/4 pound bag



Helpful Websites

For Additional Information

- www.dea.gov
- www.deadiversion.usdoj.gov
- www.nida.gov
- www.rainn.org
- www.drugabuse.gov
- www.samhsa.gov
- www.health.org
- www.drugfreeamerica.org
- www.justthinktwice.com

U.S. DEPARTMENT OF JUSTICE
DRUG ENFORCEMENT ADMINISTRATION
OFFICE OF DIVERSION CONTROL

HOME PRIVACY POLICY CONTACT US WHAT'S NEW HOT ITEMS SITEMAP SEARCH

DIVERSION PROGRAMS
APPLICATIONS & ON-LINE FORMS
ARCOS
CHEMICALS
CONTROLLED SUBSTANCE SCHEDULES
IMPORT AND EXPORT
IFLIS
QUOTAS
REGISTRATION SUPPORT
REPORTS REQUIRED BY 21 CFR

RESOURCES
CAREER OPPORTUNITIES
DRUGS/CHEMICALS OF CONCERN
e-COMMERCE INITIATIVES
FEDERAL REGISTER NOTICES
MEETINGS & EVENTS
OFFICES & DIRECTORIES
PROGRAM DESCRIPTION
PUBLICATIONS
QUESTIONS & ANSWERS
REGULATIONS & CODIFIED CSA

LINKS
FEDERAL AGENCIES & RELATED
INDUSTRY RELATED
PUBLIC INTEREST

REGISTRATION VALIDATION

CASES AGAINST DOCTORS

WELCOME TO THE DIVERSION CONTROL PROGRAM

Registration Number
Toll Free: 1-800-882-9539

REGISTRATION SUPPORT

Save time by applying for and/or renewing your DEA Registration on-line. Data will be entered through a **secure connection** to the **ODWIF** on-line web application system. Minimum requirements: Credit Card and a web browser that supports **128-bit encryption**.

NEW REGISTRATION FEE EFFECTIVE NOVEMBER 1, 2006

RENEWAL
Apply On-Line
REGISTRATION APPLICATIONS
Renewal Applications

NEW APPLICATIONS FOR REGISTRATION
New Registration Applications

DEA FORM 106 ONLINE
REPORT THEFT OR LOSS OF CONTROLLED SUBSTANCES

COMBAT METH ACT 2005
Combat Methamphetamine Epidemic Act 2005

Sales of Ephedrine & Pseudoephedrine Products

- To Apply for Renewal Applications for Registration On-Line
- To Apply for New Applications for Registration On-Line
- To Apply for Registration by Mail
- For Registration Changes (Address, Drug Codes, Name, Schedules)
- Duplicate Certificates
- Order Forms

For Registration Matters
1-800-882-9539

WHAT'S NEW