

PRESCRIPTION DRUGS

Drug Endangered Children

What's the problem?

- ☐ Teens are abusing prescription and OTC drugs to get high
 - This includes painkillers, depressants, stimulants, and OTC drugs
 - Painkillers: Vicodin, Codeine, OxyContin
 - Depressants: Xanax, Soma, Valium
 - Stimulants: Aderall, Dexedrine, Ritalin
 - OTC drugs: Robitussin, Vicks Formula 44, Coricidin

Facts

- ☐ Every day 2500 youths from 12-17 years old abuse a pain reliever for the first time
- ☐ More teens are abusing prescription drugs than any other illicit drug except marijuana

More facts

- ☐ Because these drugs are so readily available, teens who wouldn't otherwise touch illicit drugs might be tempted to use prescription drugs

- ☐ Parents are not talking to them even though youths report that parental disapproval is a way to keep them from using illicit drugs

Source

- ☐ Free from friend or relative
 - 56%
- ☐ From doctor
 - 19%
- ☐ Bought from friend or relative
 - 9%
- ☐ Other source
 - 7%
- ☐ Took from friend or relative without asking
 - 5%
- ☐ Bought from drug dealer
 - 4%

70%

**Obtained from friend
or relative**

Who's the drug dealer?

What are the dangers?

- ❑ A single large dose of prescription painkiller or depressant can cause breathing difficulty which can lead to death
- ❑ Stimulant abuse to hostility, paranoia, and potential heart system failure
- ❑ The abuse of OTC cough and cold remedies can cause blurred vision, nausea, dizziness, coma, and death
- ❑ Many teens mix these substances with alcohol that can cause respiratory failure and death

Something to think about

Texas state law

An adult cannot allow a minor to have access to a firearm

What is the difference between a prescription drug and a firearm?

Do we need a law similar for prescription drugs and OTC medicines?

Physical Signs

- ❑ Constricted pupils
- ❑ Slurred speech
- ❑ Flushed skin

Mental Signs

- Personality changes
- Mood swings
- Irritability
- Excessive energy
- Sleepiness

Mental Signs (cont)

- Avoiding sleep
- Lose of appetite
- Forgetfulness
- Clumsiness

Behavioral Signs

- Secretiveness
- Loss of interest in personal appearance
- Borrowing money or having extra cash
- Skipping class
- Not doing well in school

OXYCONTIN

- Oxycodone 10,20,40,60,180 mg
“hillybilly heroin”
- \$40 per tablet per 40 mg's
- Created in 1996 as a opiate with a special coating that releases the drug over 12 hours
*pain relief for terminal patients
- Ingestion: Snort, Inject for “heroin” type high



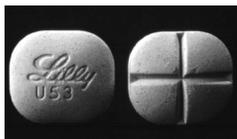
OxyContin in 10-, 20-, 40-, and 60-mg forms seized by the DEA Washington, DC, Field Division



Hydrocodone

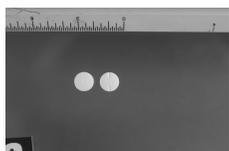


Methadone



Other drugs of abuse

- Popular abuse noted in middle/high schools
- Tranquilizers
 - Valium
 - Soma (muscle relaxant)
- Mood Enhancers
 - Prozac
- OTC products
 - Pure vanilla extract (up to 20% alcohol)
 - Pseudoephedrine/Ephedrine
 - Phenylpropanolamine
 - Triple C (Coricidin)
 - Caffeine
- Plant Material



Ritalin

- ☐ Methylphenidate
- ☐ Stimulant-mild
 - Effects between caffeine and amphetamine
- ☐ Increases the release of norepinephrine
 - Allows you to focus
- ☐ Used in the treatment of ADHD disorders in children
 - Risks threats/violence against kids who take the drug
- ☐ Use: Orally or snorted



Valium

- ☐ Diazepam
- ☐ Tranquilizer

- ☐ Increased effects with alcohol
- ☐ Muscle relaxant, anti-anxiety
- ☐ Amnesia symptoms
 - Larger doses



Diazepam (Valium)



Usually prescribed after surgeries (breast augmentation, oral surgery)
Used to treat anxiety (fear of flying)
Popular with college kids during exams

Clonazepam (Xanax)



"T-Bars"



Dextromethorphan

- ❑ Cough Suppressant
- ❑ Opiate-like substance
- ❑ Hallucinations at high doses
 - Especially when mixed with alcohol
- ❑ Dissociative type drug
 - Effects related to PCP & Ketamine



Coricidin (Triple C)



Soma

- ▣ **Carisoprodol**
- ▣ OTC muscle relaxant
- ▣ Treatment for limited mobility disorders

- ▣ Mimics depressant
 - Larger doses
 - Multiple tablets



Carisoprodol (Soma)



Soma



Salvia Divinorum

- ▣ Perennial herb
 - Related to mint family
- ▣ Salvinorin A
 - Hallucinogen
- ▣ Smoked, brewed, chewed, liquid extracted

- ▣ Effects:
 - Hallucinations
 - Introverted
 - Depression, schizophrenia



Legislation

- ▣ Delaware, Florida, Illinois, Kansas, Mississippi, Missouri, North Dakota, Oklahoma, and Virginia
- ▣ California, Louisiana, Maine and Tennessee enacted other forms of legislation restricting the distribution of the plant.
- ▣ Alabama, Alaska, Hawaii, Indiana, Iowa, Minnesota, Nebraska, Oregon, South Carolina, and Utah. Legislative bills proposing regulatory controls are pending in Michigan, New Jersey, New York, Ohio, Pennsylvania, Texas and Wisconsin.
- ▣ Salvinorin A and/or Salvia divinorum have been placed under regulatory controls in Australia, Belgium, Denmark, Estonia, Finland, Italy, Japan, Spain, and Sweden.

“Pharming”

*Grabbing a handful of prescriptions drugs and swallowing them

12-17 yr old females



K2/Spice

- ☐ Unregulated mixture of dried herbs
 - Ingredients are commonly listed as “Indian Warrior” and “Wild Dagga” or “Lion’s Tail”
 - “Each of which are potentially bioactive herbs”
 - No mention of additives or other compounds that have a pharmacological activity
 - The dried herbs are laced with active ingredients similar to cannabinoids.

Indian Warrior *Pedicularis densiflora*

- ☐ Perennial herb with stout, green or reddish stems and fern-shaped leaves
 - Long spiky flowers of deep red or bright pink color
- ☐ Root parasite which attaches to the roots of other plants to obtain nutrients
 - Native to California and Oregon
 - Found in forests and woodlands at low elevation

Wikipedia

- ☐ Kingdom: Plantae
- ☐ Order: Lamiales
- ☐ Family: Orobanchaceae
- ☐ Genus: Pedicularis
- ☐ Species: *P. densiflora*



Wikipedia

Medicinal Uses

- ☐ Tea or tincture for its ability to relax tense muscles
- ☐ Insomnia and nerve pain
- ☐ Buds or flowers
 - Added to herbal smoking blends for their color, flavor and relaxing properties

Wikipedia

Lion's Tail *Leonotis leonurus*

- ☐ Also known as "Wild Dagga"
- ☐ Plant species in the mint family
- ☐ Native to southern Africa



Wikipedia

Medicinal Use

- ☐ Used as a minty tea
- ☐ Leaf extract may also:
 - Control painful arthritic or other inflammatory disorders
 - Adult-onset treatment for Type-2 diabetes in South Africa

Wikipedia

K2/Spice Facts

Street names:

- K2
- Fake Weed
- Spice
- Spice Gold
- Yucatan Gold
- Skunk
- Genie
- Voodoo

Effects:

- hallucinations
- severe agitation
- elevated heart rate
- elevated blood pressure
- red eyes
- mood alteration

www.sciencedaily.com

What are the active components?

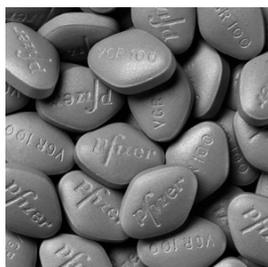
- ▣ HU-210*
- ▣ HU-211
- ▣ JWH-018, 073, 081
- ▣ CP 47,497
- ▣ Oleamide
- ▣ WIN 55,210
- ▣ CP 55,940



*Federally controlled and very potent

Spice: A never ending story?

Viagra



Cialis



Cialis Facts

- ❑ Cialis has a high propensity of abuse due to the creation of a daily tablet.

Codeine Cough Syrup Vicks NyQuil

Hangover effects the next morning
Narcotic properties
Very Addicting



What can you do?

- ☐ Watch for signs around the house
 - Missing prescription pills
 - Unfamiliar/unknown pills in house or bedroom
 - Empty cough/cold medicine bottles/packages

- ☐ Be alert and cognizant
 - If your child is running out of prescription quickly, losing medication, or requesting refills before doctor prescribed refill date

Rules for the house

- ☐ Safeguard all drugs at home
- ☐ Monitor quantities and control access
- ☐ Set rules for all drug use
- ☐ No sharing, always follow medical dosages and advice
- ☐ BE A GOOD ROLE-MODEL
 - Follow these rules with your own medicines
- ☐ Tell friends and family to safe-guard their prescriptions as well

Proper disposal

- ☐ Unused drugs thrown in the trash can be retrieved and abused or illegally sold
- ☐ Proper disposal saves lives
 - Take meds out of the bottles
 - Mix them with something unappealing
 - Kitty litter, coffee grounds, fertilizer, rotten food, grease
 - Seal them in a bag or disposable container and throw them away
