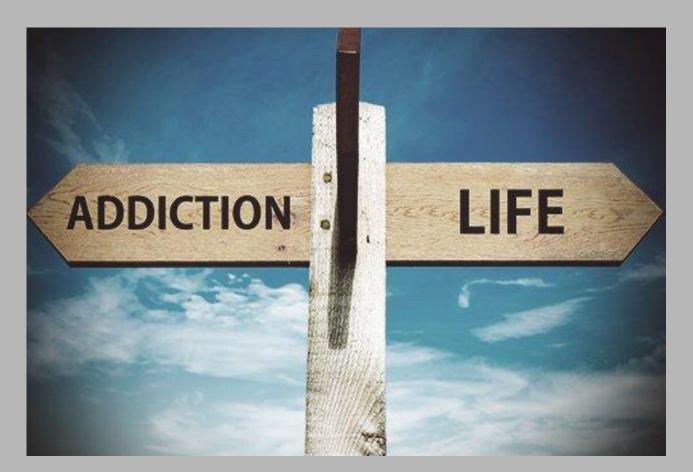
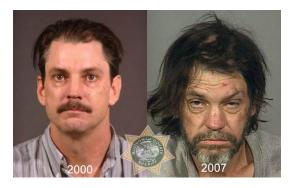
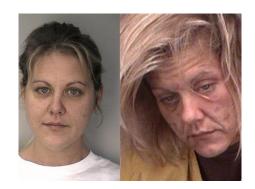
Drug Abuse



Physical View of Drug's Devastating Effects







cbsnews.com

nbcnews.com

cbsnews.com







cbsnews.com



Downward Spiral

What are your goals in life? Do drugs help a person to achieve their goals, or

prohibit them?



What does your future look like, based on the decisions you are making right now?





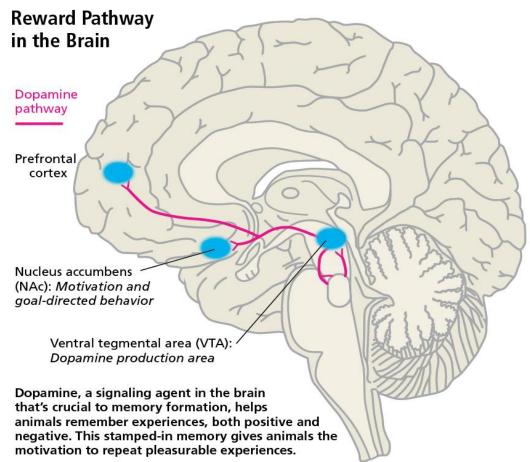
Facts about Drug Use

- Over-the-Counter Drugs
 - Medicine that is sold WITHOUT a doctor's prescription.
 - Can be harmful if directions are not followed.
- Prescription Drugs
 - Can only get with a written order from a doctor.
 - Higher potential for harm than OTC drugs.
- Illegal Drugs
 - Chemical substance that people may to make, possess, buy, consume, or distribute
- Drug Misuse
 - Improper use of medicine.
- Drug Abuse
 - Drug that is INTENTIONALLY used improperly.

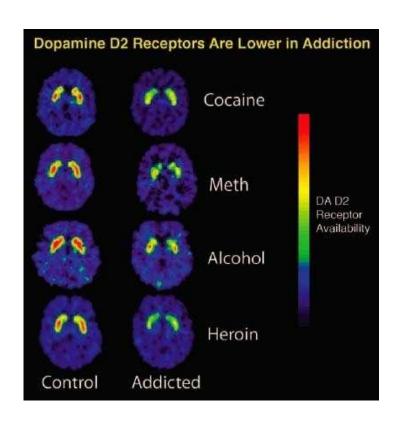


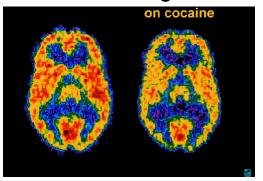
Drugs Abuse and The Brain

- The "Reward Pathway"
 - Psychoactive drugs create a pleasurable feeling that the user wants to repeat.
 - See page 428 in textbook

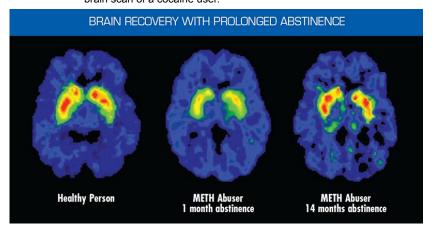


Brain Scans from the National Institute on Drug Abuse

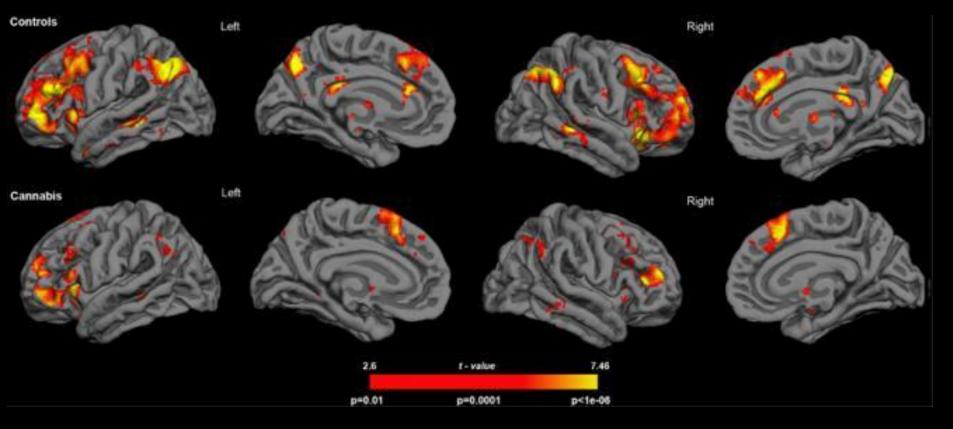




Brains use of Glucose - Left is normal, right is brain scan of a cocaine user.



Source: The Journal of Neuroscience, 21(23):9414-9418. 2001. These images showing the density of dopamine transporters in a brain area called the striatum illustrate the brain's remarkable potential to recover, at least partially, after a long abstinence from drugs.



MRI scans showing brain activity of marijuana users compared to a control group. Each group was given various memory tasks during this study. As seen in these scans, the control group significantly outperformed the marijuana users. (Source: Journal of Molecular Psychiatry) <u>Study Link</u>

Effects on Family, Friends, and Society

- Relationships become strained
 - Personality changes in user
 - Interests and activities that were once shared, often change with the drug user.
- Effects on Society
 - Cost to imprison
 - Medical costs for treatment programs, HIV/AIDS, drug related illness, and injuries
 - Lost work productivity



Released police photo of a heroin overdosed couple, with a child in the backseat.

How Does Drug Use Send a "Ripple Effect" Throughout a Community?



Depressants



- Depressant
 - A psychoactive drug that slows the brain and body reactions
 - Barbiturates
 - Small doses act as a sedative
 - Large Doses will induce sleep
 - Abuser
 - Walks slowly, and will slur speech.
 - CNS Depressant
 - Slows the central nervous system
 - Used to be called a tranquilizer
 - May be prescribed to treat:
 - Anxiety
 - Muscle spasms
 - Sleep disorders

Depressants (cont.)





Opiates

- Drugs made from the seeds of poppy plants
- Medically used to relieve pain and dull senses.
- Heroin
 - An opiate that is made from morphine.
 - Highly addictive, and a high rate of overdose.

Stimulants



Stimulants

Stimulants

- Speeds up activities of the central nervous system.
- May be prescribed to treat various disorders
- Amphetamines
 - Prescription drugs that can be sold illegally
 - "Speed", "uppers"
 - Hard crash when the drug wears off
 - User wants to take another to get "up" again.
- Methamphetamine
 - Made from various over-the-counter ingredients in a meth lab
 - Highly addictive, with devastating side effects.
- Cocaine
 - A powerful, short-acting stimulant
 - Highly addictive
 - May cause seizures, heart attack, respiratory failure
 - "Free-basing"
 - Turns cocaine into crack



1 INCREASING ESTIMATED AGE

Methamphetamine Users

Rehabs.com

Hallucinogens

- Drug that distorts, perception, thought and mood.
 - No medical use
- Three main kinds
 - o LSD
 - Psilocybin (mushrooms)
 - o PCP







Marijuana

- Marijuana
 - Flowering tops of the hemp plant (cannabis sativa).
 - Can be smoked or eaten.
 - Source from which the illegal drug hashish comes.
 - Effects
 - Distorts perception
 - Diminishes thinking and problem solving
 - Increased heart rate
 - Anxiety and paranoia
 - Loss of ambition
 - Considered the "gateway drug".
 - Leads users to more potent drugs.

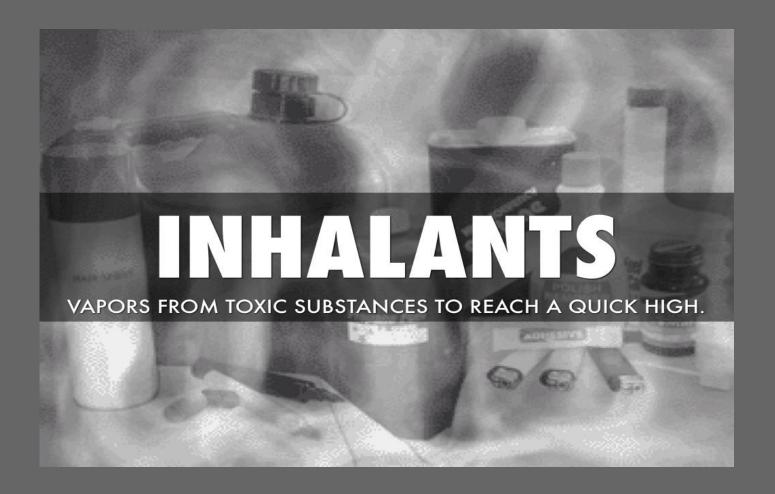
Club Drugs

- Club Drugs
 - Name is derived from their wide usage at dance clubs.
 - Strength and quality are highly unpredictable.
 - Common Types
 - Ecstasy (MDMA)
 - Rohypnol (roofies)
 - Also known as the date rape drug
 - Gamma-Hydroxybutyrate (GHB)
 - Ketamine





Ecstasy Pills

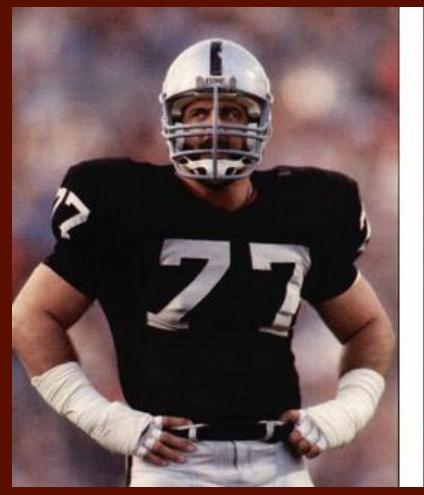


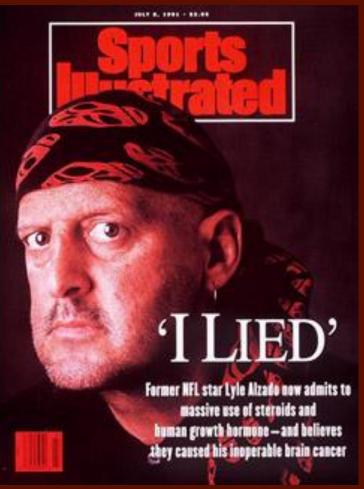
Anabolic Steroids

Steroids

- Synthetic drug similar to testosterone.
- Usually abused by athletes.
- Side effects
 - Enlarged Heart
 - Cancer
 - Personality changes
 - "Roid rage"
 - Testicles Shrink
 - Breast tissue in men.
 - Masculine features in women
 - Acne
 - Depression







Choosing to be drug free, means living your life at 212 Degrees....

