

What does the National Institute on Drug Abuse do?

NIDA is part of the National Institutes of Health. We are the largest supporter of the world's research on drug abuse and addiction. Our goal is to better understand who uses drugs and why, and how drugs work in the brain and body, so we can develop and test new ways to prevent and treat drug abuse and addiction.

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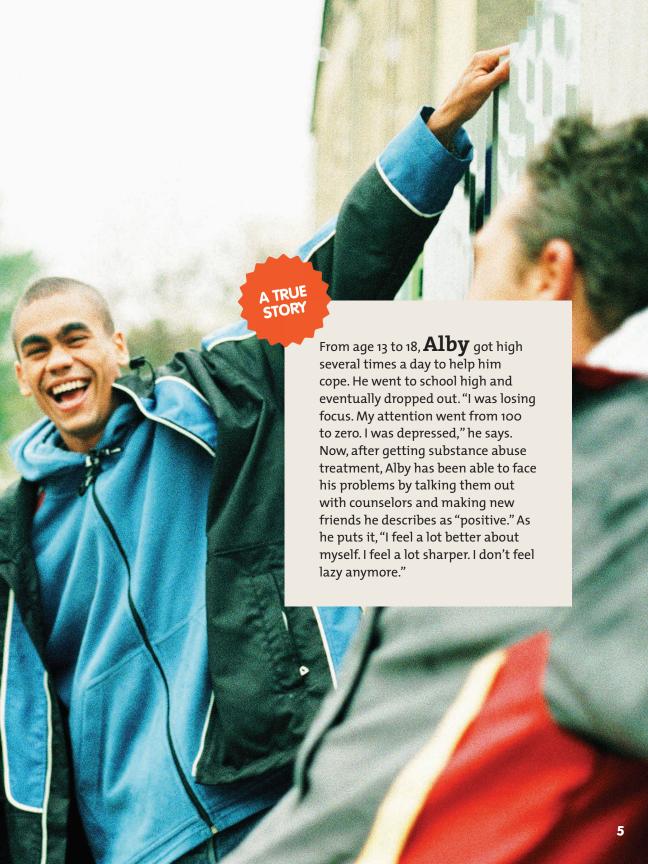
Is marijuana

ADDICTIVE?

The chances of becoming addicted to marijuana or any drug are different for each person. For marijuana, around 1 in 11 people who use it become addicted. Could you be that one?

Anthony J, Warner LA, Kessler RC.
Comparative epidemiology of
dependence on tobacco, alcohol,
controlled substances, and inhalants:
basic findings from the National
Comorbidity Survey. Exp Clin
Psychopharmacol. 1994;2:244–268.

Lopez-Quintero C, Pérez de los Cobos J, Hasin DS, et al. Probability and predictors of transition from first use to dependence on nicotine, alcohol, cannabis, and cocaine: results of the National Epidemiologic Survey on Alcohol and Related Conditions (NESARC). Drug Alcohol Depend. 2011;115(1-2):120-130.





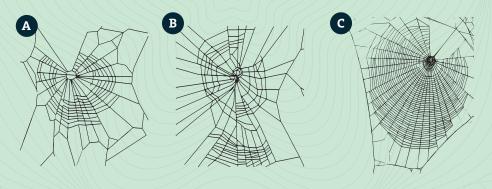
IF YOU SMOKE MARIJUANA A LOT IN YOUR TEENS, YOU COULD LOSE IQ POINTS THAT YOU MIGHT NEVER GET BACK.



Why isn't smoked marijuana a safe medicine?

- A. You can't be sure what chemicals are in it.
- B. Smoking anything can hurt your lungs.
- C. It affects your thinking skills.
- D. It alters your motor skills, making you an unsafe driver.
- E. All of the above

Which of these webs is made by a spider that is NOT on drugs?



"Spice" (also known as K-2):

- A. Is considered to be a "fake marijuana"
- B. Has put people in emergency rooms with vomiting, confusion, and hallucinations
- C. Is abused mainly by smoking
- D. All of the above



Peer Pressure

Why do people

when they know it's so bad for them?

Product Placement

U.S. Department of Health and Human Services. Preventing Tobacco Use Among Youth and Young Adults: A Report of the Surgeon General. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health

Promotion, Office on Smoking and Health; 2012.

Maybe they smoke because they can't stop. People start smoking for different reasons, but most keep doing it because of one reason—they are addicted to nicotine.

DID YOU KNOW? Research says that teens who see a lot of smoking in movies are more likely to start smoking themselves. Sometimes characters smoke to look edgy and rebellious; but sometimes it's just about "product placement" — the tobacco industry trying to get into your head and your pockets.



U.S. Department of Health and Human Services. *Preventing Tobacco Use Among Youth and Young Adults: A Report of the Surgeon General.* Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health; 2012.

Smokeless tobacco does not cause cancer.

- A. True, it is the tar in cigarettes that causes lung cancer, emphysema, and bronchial disorders.
- B. False, smokeless tobacco (such as chewing tobacco and snuff) increases the risk of cancer, especially oral cancers.

How many Americans die from diseases associated with tobacco use each year?

- A. About 1,500
- B. About 13,200
- C. About 50,500
- D. About 480,000



E-Cigarettes

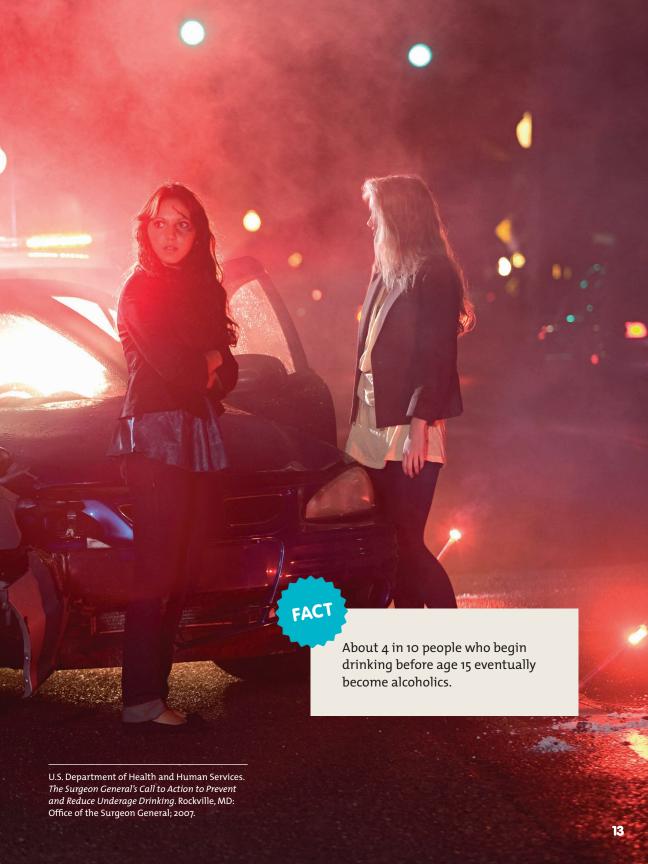
E-cigarettes contain nicotine the addictive drug in tobacco cigarettes and other chemicals that may be harmful.

More teens use e-cigarettes than tobacco cigarettes. Scientists have just started to research the health effects of e-cigarettes, but we do know one thing: users will inhale the same nicotine they get from a regular cigarette.

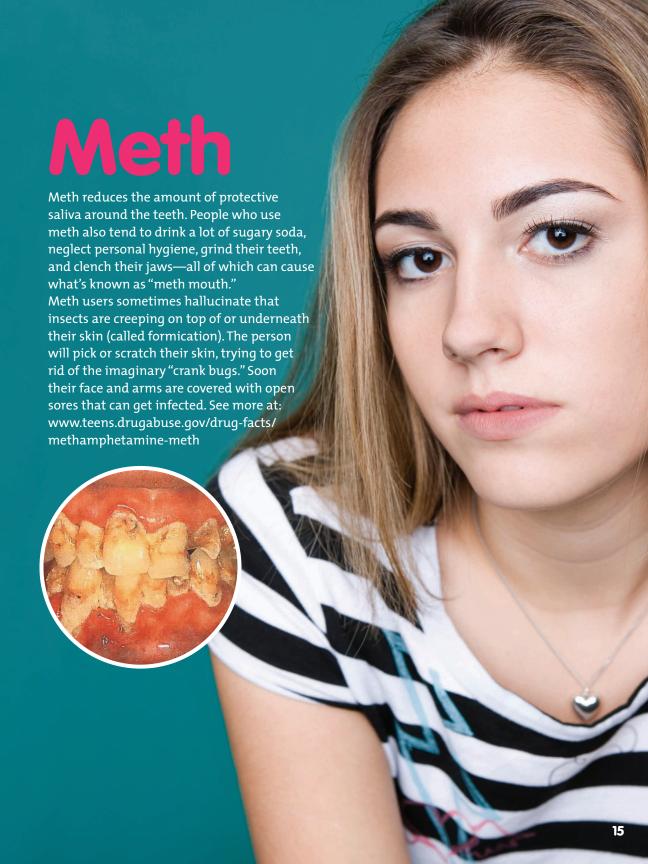
U.S. Department of Health and Human Services.

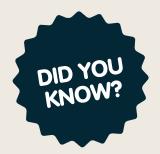
The Health Consequences of Smoking 50 Years of Progress. A Report of the Surgeon General. Atlanta, GA: U.S. Department of Health and Human Services, Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, Office on Smoking and Health; 2014.











You are getting bombarded with messages about drugs in songs and movies. A 2008 study of popular music found that about



songs said something about drug, alcohol, or tobacco use.



rap songs said something about drug, alcohol, or tobacco use.

And of the top 100 movies over a 9-year period, more than

7 in 10

movies showed characters smoking.

1 in 3

movies showed people getting drunk.

Get the facts, and make your own decisions.

Primack BA, Dalton MA, Carroll MV, Agarwal AA, Fine MJ. Content analysis of tobacco, alcohol, and other drugs in popular music. *Arch Pediatr Adolesc Med.* 2008;162(2):169–174.

Tickle JJ, Beach ML, Dalton ML. Tobacco, alcohol, and other risk behaviors in film: how well do MPAA ratings distinguish content? *J Health Commun*. 2009;14(8):756–767.

Tobacco

Wrinkles, bad breath, yellow teeth, wheezing, stinky clothes?... Let me at those cigarettes!

ADDICTION

SKIN DAMAGE

CATARACTS

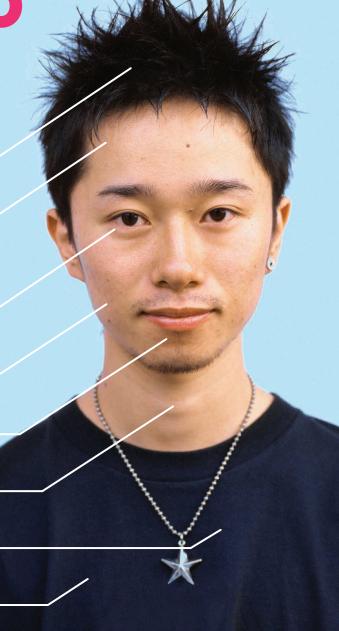
WRINKLES

MOUTH CANCERS

THROAT CANCER

HEART DISEASE

LUNG DISEASE



17



What is Vicodin?

Vicodin is a medication prescribed to relieve pain. When taken as prescribed it can be very effective, helping people recover from surgery, for example. But it is from the same class of drugs as heroin and can be dangerous if used to get high.



FACT

More people die from prescription pain reliever overdoses (like Vicodin and OxyContin) than from heroin and cocaine combined.

A lot of you have asked: how can

PRESCRIPTION(RX) DRUGS

be harmful when they're prescribed by doctors? Prescription drugs aren't bad—they totally

Prescription drugs aren't bad—they totally help a lot of people. It really depends on the who, how, and why of it.

- Who were they prescribed for (you or someone else)?
- How are you taking them (as prescribed or not)?
- Why (to get well or to get high)?

Some teens abuse stimulants thinking it will improve their grades; in fact, it may do just the opposite!



It's safe to use prescription drugs when:

- A. You've checked out WebMD and know what you are doing
- B. You've taken them before for another problem
- C. They are prescribed for you by a doctor for a current problem
- D. Your mom gave them to you from her prescription
- E. All of the above



Mixing pills with other drugs or with alcohol really increases your risk of death from accidental overdose.

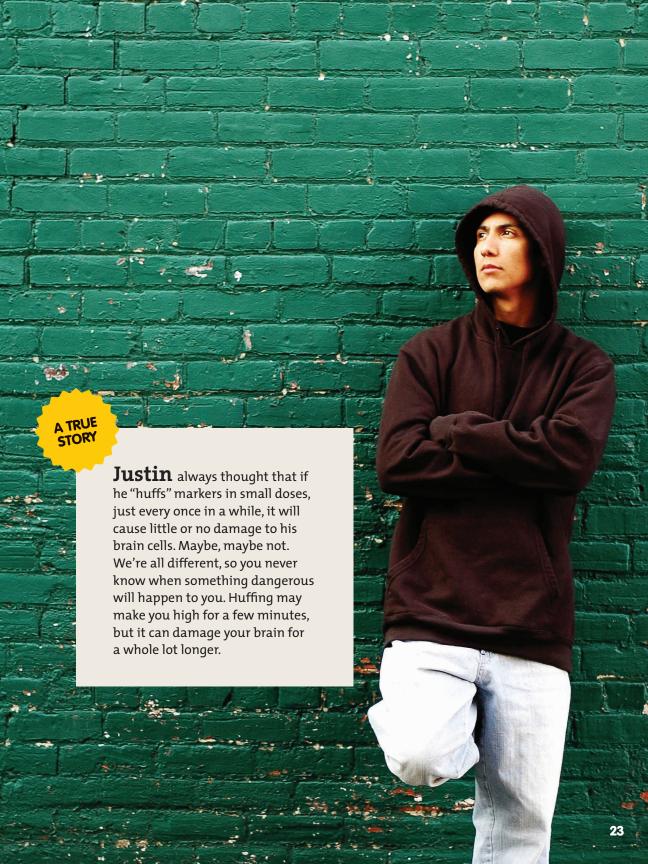
Abuse of prescription stimulants like Ritalin and Adderall can cause serious health problems, including panic attacks, seizures, and heart attacks.

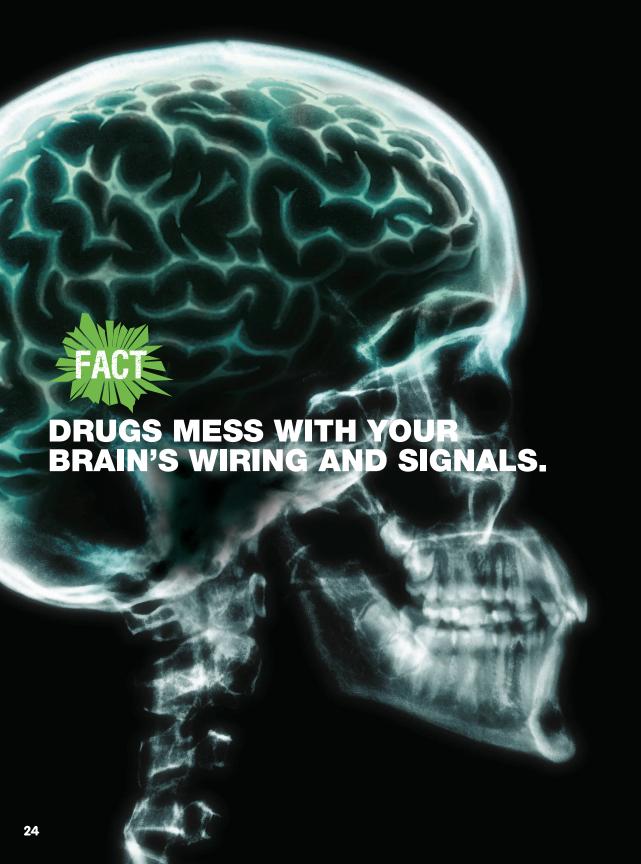
You know they make you

but what do drugs do to your brain?

Different drugs do different things. But they *all* affect the brain—that's why drugs make you feel high, low, speeded up, or slowed down, or see things that aren't there.

DID YOU KNOW? Repeated drug use can reset the brain's pleasure meter, so that without the drug, you feel hopeless and sad. Eventually, everyday fun stuff like spending time with friends or playing with your dog doesn't make you happy anymore.





Some drugs affect the brain because their chemical structures are similar to natural brain chemicals called:

- A. Neurons
- B. Axons
- C. Neurotransmitters
- D. Dendrites

What is NOT true about "bath salts," often sold in head shops?

- A. They can cause intense cravings similar to what methamphetamine users experience.
- B. They usually contain some type of stimulant drug along with other unknown ingredients.
- C. They are really only dangerous if snorted or injected.
- D. They have sent hundreds of people to the emergency room.

Salvia is a herb that can make you:

- A. Feel a surge of connectedness to what's around you
- B. Experience hallucinations and emotional swings
- C. Feel detached and less able to interact with what's going on
- D. Both b and c
- E. Both a and b

C. Neurotransmitters, C. "Bath salts" often contain amphetamine-like chemicals including mephedrone, which can put users at risk for an overdose. While snorting or injecting bath salts" are linked to the most serious health problems, including death, taking them orally can also be dangerous. These synthetic stimulants can cause chest pains, increased blood pressure, increased and delusions., D. Both b and c

REHAB?

Does treatment really work? Why do people come and go so much?

It takes time to recover from addiction—not only for the brain to re-adjust, but to make lifestyle changes to avoid drugs. Think how hard it is for people trying to lose weight—they try different diets, exercise for a while, lose a few pounds only to gain them back...until they can make lasting changes to keep the weight off. Same with quitting drugs—it may take several rounds of treatment before it sticks.







A person who is addicted to drugs...

- A. Is beyond reach
- B. Can be helped with treatment
- C. Needs a brain transplant
- D. Can easily quit if they want to

What do

Think?

We know you have a lot of questions about drugs. We do too, and we'd love to hear from you! So go to our blog at http://teens.drugabuse.gov/blog and let us know what you think—and thanks for sharing!

We also have National Drug Facts WeekSM (NDFW) each year that helps teens *shatter the myths* about drugs and drug abuse. NDFW includes local school and community events and Drug Facts Chat Day, a live, online chat held between

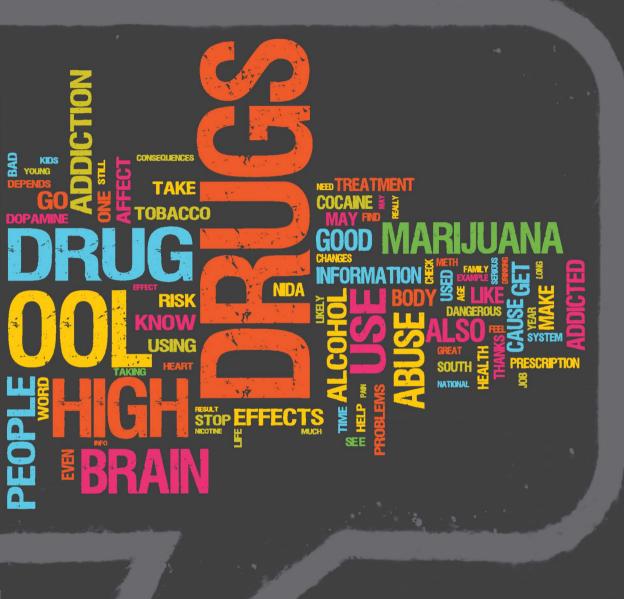


high school students and NIDA scientists. Go to http://www.teens. drugabuse.gov/national-drug-facts-week to learn about events in your area. If you have a question about drugs that you haven't seen answered anywhere else, you might be able to find it in the Drug Facts Chat Day transcript (you can find the link on the NDFW website above).

Here are some popular questions we've answered:

- How many young people are addicted to drugs?
- What's the most commonly abused drug by teens?
- Can drugs make you mentally ill?
- · What drug is the most addictive?
- Is smoking marijuana more harmful than smoking cigarettes?







www.drugabuse.gov www.teens.drugabuse.gov







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