

NICOTINE

Hi there! Mind Matters is a series that explores the ways that different drugs affect your brain, body, and life. In this issue, we are going to talk about tobacco and nicotine.





What is nicotine?

Tobacco is a leafy plant grown all around the world. The reason tobacco is used by so many people is because it contains a powerful drug called nicotine. **Nicotine is very addictive.**



How do people use tobacco and nicotine?

People can **smoke**, **sniff**, **chew**, or **inhale** the vapors of tobacco and nicotine products.

SOME PRODUCTS THAT YOU SMOKE:



CIGARETTES



CIGARS



E-CIGARETTES



HOOKAHS

SMOKELESS PRODUCTS:



CHEWING TOBACCO



SNUFFGround tobacco that can be sniffed



Wet snuff that is chewed



Small pouch of wet snuff

or put between your cheek and gums

How does nicotine work?

Nicotine is absorbed into your bloodstream and goes to your adrenal glands just above your kidneys. The glands release adrenaline which **increases your blood pressure, breathing,** and **heart rate.** Adrenaline also gives you a lot of good feelings all at once.

Just being around people who are smoking can be dangerous.

Breathing other people's smoke can lead to lung cancer and heart disease.

What are other health effects?

While nicotine is addictive, most of the health effects come from other tobacco chemicals. Tobacco use harms every organ in your body. Smoking tobacco products can cause lung, mouth, stomach, kidney, and bladder cancers. It can also cause lung problems, like coughing, and lead to heart disease, eye problems, and yellow teeth.

Smokeless tobacco products are dangerous, too. They can cause oral cancer and heart and gum disease.







Eyes

Mouth

Heart







Stomach

Bladder

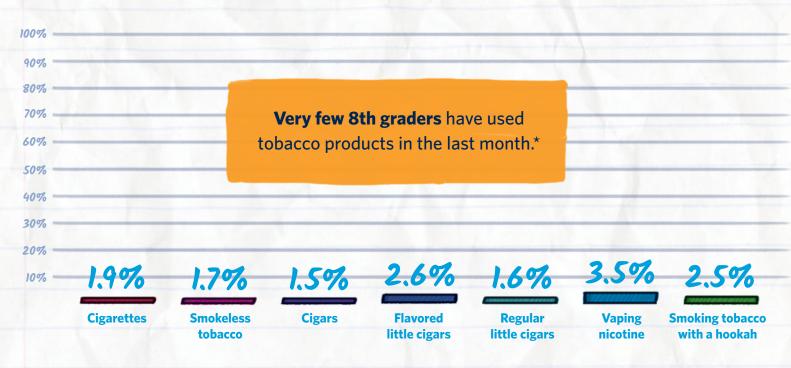
Kidney

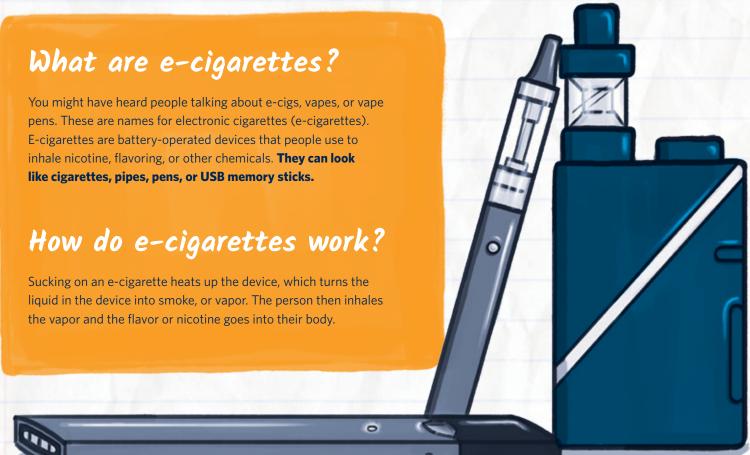


How do you become addicted to nicotine?

Over time, the nicotine in tobacco can change the way your brain works. If you stop using it, your body can get confused and you can start to feel really sick. This makes it hard to stop using these products even when you know it's bad for you. This is called addiction.

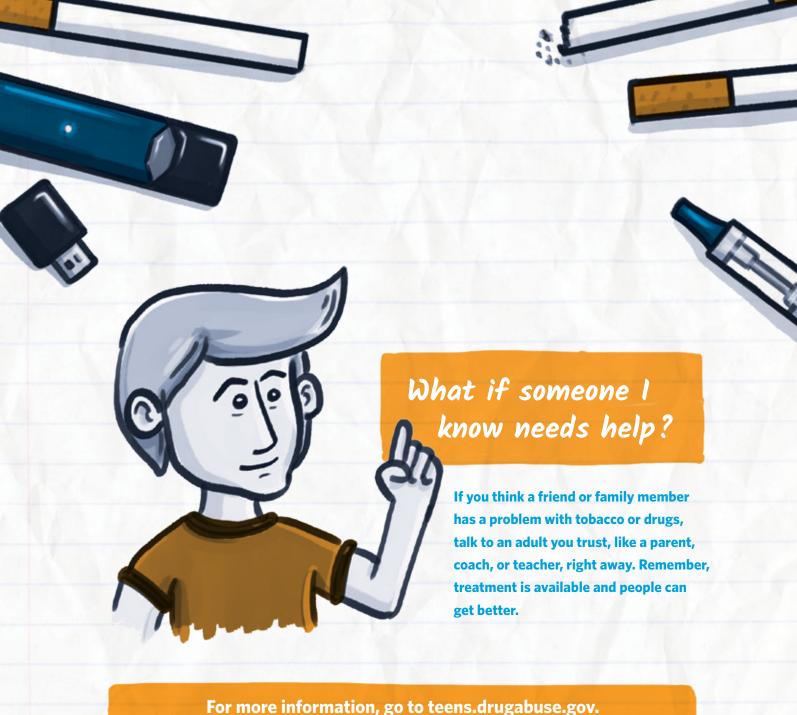
It can be very hard to stop smoking, but there are some medications that can help.





Can e-cigarettes help you stop smoking?

Some people think that e-cigarettes can help you stop smoking. But actually, **there is not enough science to prove this.** In fact, some research show that non-smoking preteens and teens who use e-cigarettes might go on to use other tobacco products, like cigarettes and cigars.









*Johnston, et al. (2018). Monitoring the Future national survey results on drug use: 1975-2017: Overview, key findings on adolescent drug use. Ann Arbor: Institute for Social Research, The University of Michigan.

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