

# Teens who smoke and drink may be more likely to abuse prescription opioids later

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Illustration by Michael Helfenbein

(Medical Xpress) -- Adolescents who smoke cigarettes or use alcohol or marijuana may be at greater risk for subsequent abuse of prescription opioids as young adults, according to a new study by Yale School of Medicine.

The researchers believe their findings are the first to demonstrate that early alcohol, cigarette, and [marijuana](#) use are all associated, to varying degrees, with a two- to-three times greater likelihood of subsequent abuse of prescription opioids. The study appears online in the [Journal of Adolescent Health](#).

The researchers set out to determine whether certain tenets of the so-called "gateway hypothesis" applied to subsequent abuse of prescription opioids - specifically, whether substance use in the adolescent years was associated with later abuse of harder drugs. They studied demographic and clinic data collected from 18- to 25-year-olds from the 2006-2008 National Survey on Drug Use and Health to determine the likelihood, based on their prior usage.

Their findings included:

- 12% of the survey population of 18- to 25-year-olds reported current abuse of prescription opioids.
- For this population, prevalence of previous substance use was 57% for alcohol, 56% for cigarettes, and 34% for marijuana.
- In young men, previous abuse of all three substances was associated with an increased likelihood of subsequent opioid abuse during young adulthood, but only previous marijuana use carried this association among young women.

The Yale study could lead to much more targeted efforts at prevention. "Given that there are now an estimated three and a half million [young adults](#) who abuse prescription opioids and this number is growing, our study of the data shows that efforts to target early substance use may help to curb this increasing abuse of prescription [opioids](#)," said lead author Dr. Lynn Fiellin, associate professor of medicine at Yale.

Provided by Yale University

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