

Mixing energy drinks, alcohol tied to abusive drinking in teens

1 May 2015



Credit: Kevin Casper/public domain

Expanding what we know about college students mixing alcohol with energy drinks, investigators from Dartmouth's Norris Cotton Cancer Center found teens aged 15-17 years old who had ever mixed alcohol with energy drinks were four times more likely to meet the criteria for alcohol use disorder than a teen who has tried alcohol but never mixed it with an energy drink. The Dartmouth team, led by James D. Sargent, MD with first author Jennifer A. Emond, MSc, PhD published "Energy drink consumption and the risk of alcohol use disorder among a national sample of adolescents and young adults," in *Journal of Pediatrics*.

"These findings are concerning," said Emond. "They highlight that mixed use of alcohol and [energy drinks](#) may signal the development of abusive drinking behaviors among adolescents."

Several studies have documented a link between consuming alcohol mixed with energy drinks and the increased rates of negative outcomes while

drinking, including binge drinking. However, most studies to date have been conducted among undergraduate [college students](#).

Sargent's team looked at a sample of 3,342 adolescents and [young adults](#) aged 15-23 years old recruited across the U.S. They found that 9.7% of adolescents aged 15-17 years old had consumed an energy drink mixed with alcohol. Analyses showed that group to have greatly increased odds of not just [binge drinking](#), but also clinically defined criteria for alcohol use disorder.

"Abusive alcohol use among adolescents is a dangerous behavior that can lead to injury, chronic alcohol use and abuse, and even death," said Emond. "Identifying those most at risk for alcohol use is critical. Given that this is a sensitive issue, it's possible that clinicians, parents, and educators might open dialogues about alcohol use with adolescents by starting the discussion on the topic of energy drinks."

Looking forward, the Dartmouth team will consider how the marketing of energy drinks may influence an adolescent's perception of use of energy drinks, including the acceptability of mixed use with [alcohol](#)

More information: "Energy drink consumption and the risk of alcohol use disorder among a national sample of adolescents and young adults," www.ncbi.nlm.nih.gov/pubmed/25294603

Provided by The Geisel School of Medicine at Dartmouth

APA citation: Mixing energy drinks, alcohol tied to abusive drinking in teens (2015, May 1) retrieved 11 October 2022 from <https://medicalxpress.com/news/2015-05-energy-alcohol-tied-abusive-teens.html>

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