Adult-Supervised Drinking During Adolescence Increases Risk for Alcohol Misuse



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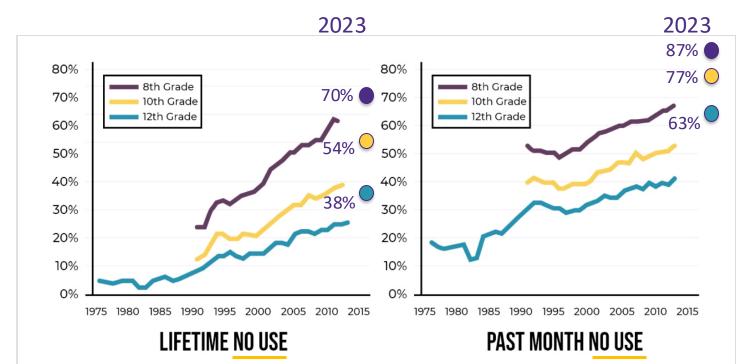
Topics...

- 1. Basic information about teen alcohol and drug use
 - How common is it?
 - When does it start?
 - What are some possible effects?
- 2. What is adult-supervised drinking?
 - Why is it a bad idea?



Teen alcohol and drug use – how common is it?





No Use of Alcohol, Cigarettes, Marijuana and Other Illicit Drugs: Grades 8, 10, 12

Monitoring the Future data; Levy, S., Campbell, M. C., Shea, C. L., & DuPont, R. L. (2018). Trends in abstaining from substance use in adolescents: 1975-2014. Pediatrics, 142(2), e20173498.

Slide by: Caroline DuPont, MD, Nancy Pasquale, Corinne She

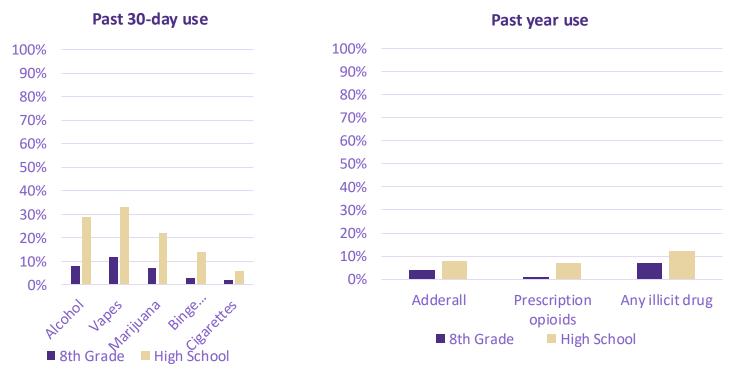




Most teens don't use drugs or alcohol



What are kids most likely to use?



- 8th Grade data from: Miech, R. A., Schulenberg, J. E., Johnston, L. D., Bachman, J. G., O'Malley, P. M., & Patrick, M. E. (December 19, 2019). "National Adolescent Drug Trends in 2019: Findings Released" Monitoring the Future: Ann Arbor, Ml. https://www.monitoringthefuture.org
- · High School data from the 2019 Youth Risk Behavior Surveillance System results: https://nccd.cdc.gov/youthonline/App/Default.aspx
- 2019 College data from: Schulenberg, J. E., Johnston, L. D., O'Malley, P. M., Bachman, J. G., Miech, R. A. & Patrick, M. E. (2020). Monitoring the Future national survey results on drug use, 1975–2019: Volume II, College students and adults ages 19–60. Ann Arbor: Institute for Social Research, The University of Michigan.

When do kids typically start using alcohol and drugs?

Drug	Average Age at First Use	Early Onset Age
Alcohol	17	10
Marijuana	16-17	14
Cigarettes	17	10
Vapes	16	10
Hard Drugs	17-18+	16
Prescription Opioids	17	15



Some possible effects of teen alcohol and drug use







Three reasons to care about teen substance use



Brain Development



Mental Health



Addiction

Brain development isn't complete until the mid 20's

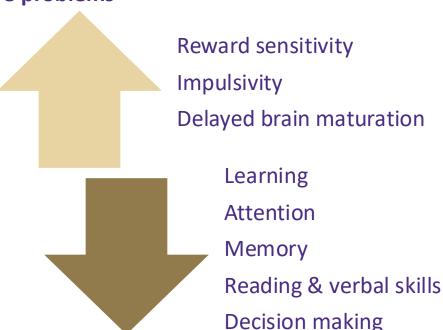
- > Teen brains are more sensitive to alcohol and drugs than adult brains
 - Exposure to substances can physically "prime" the brain
 - Alcohol and drugs can change brain chemistry





Alcohol and the teen brain:

More use = more problems





Published online 2020 Mar 13. doi: 10.1016/j.pbb.2020.172906

Effect of alcohol use on the adolescent brain and behavior

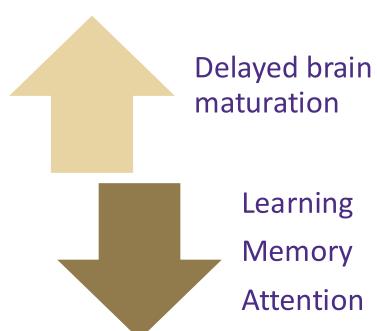
Briana Lees. Lindsay R. Meredith. Anna E. Kirkland. Brittany E. Bryant, and Lindsay M. Squeglia

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Marijuana and the teen brain:

Early, long-term, or heavy use





Current Opinion in Psychology Volume 38, April 2021, Pages 38-48

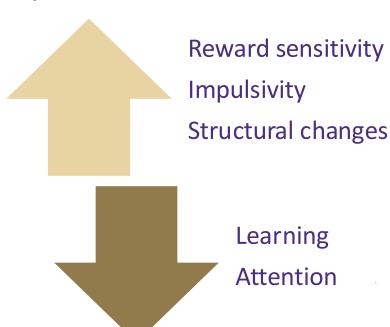


A review investigating the relationship between cannabis use and adolescent cognitive functioning

Elena Cyrus ¹ ²⁸, Makella S Coudray ², Sandra Kiplagat ², Yandra Mariano ², Ines Noel ³, Jerome T Galea ⁴, Dexter Hadley ⁵, Jessy G Dévieux ⁶, Eric Wagner ⁷

Nicotine and the teen brain:

More use = more problems





Brain Research Bulletin



Adolescent drug exposure: A review of evidence for the development of persistent changes in brain function

Three reasons to care about teen substance use



Brain Development



Mental Health



Addiction



Substance use and teen mental health:

More use = more problems



Nicotine





Current Opinion in Psychology



Youth marijuana use: a review of causes and consequences

Three reasons to care about teen substance use



Brain Development



Mental Health



Addiction

Addiction starts in adolescence



80% of adults being treated for alcohol addiction started drinking as teens



90% of adults with an illicit drug use disorder used alcohol, cigarettes, or marijuana before age 18

PEDIATRICS

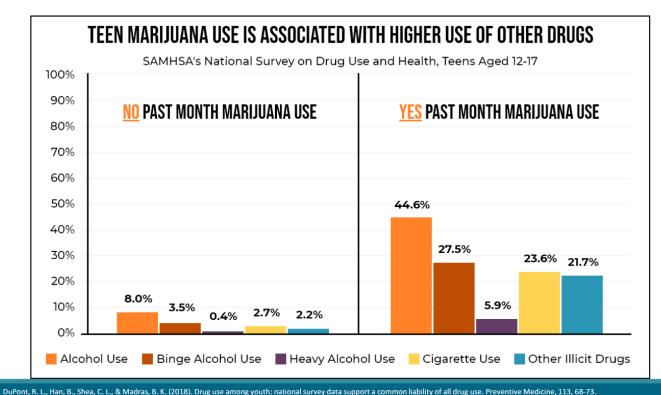
Pediatrics, 2019 Mar; 143(3): e20183654.
Published online 2019 Mar 1. doi: 10.1542/peds.2018-3654

PMCID: PMC639836 PMID: 3078302

Alcohol Use Disorder: A Pediatric-Onset Condition Needing Early Detection and Intervention

Scott E. Hadland, MD, MPH, MS, 8, b John R. Knight, MD, c,d and Sion K. Harris, PhD, CPHC, 6

For teens, all substance use is related



15





What is adult-supervised drinking?

- > Allowing drinks or sips
 - On holidays or special occasions
 - With dinner
- > Allowing drinks or sips at parties where adults are present
 - Caregivers' own parties
 - Teen parties









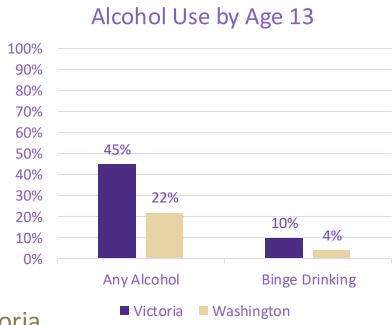
Teaching drinking at home: Is it a good idea?

International Youth Development Study

~2,000 kids from Washington and Victoria

Victoria uses a harm minimization approach to teen alcohol use

- Acknowledge that drinking will happen and remove harms that go with it
- Teach responsible drinking at home



Rates of teen drinking are much higher in Victoria

Adult-supervised drinking in 8th grade predicts alcohol misuse in 9th grade

The more often kids drank with adult supervision in 8th Grade, the more often they

- drank alcohol in general in 9th Grade
- had negative alcohol-related consequences in 9th Grade
 - > Unable to stop drinking, fights, school problems, arguments with family, injury, getting sick/passing out, sex they later regretted, blackouts



Adult supervised drinking in adolescence predicts alcohol misuse through age 30

Kids who drank with adult supervision in 8th and 9th Grade

- reported higher levels of alcohol consumption and alcohol use disorder symptoms from age 25 to age 30
- were 56% more likely to drive while impaired by alcohol in adulthood
- were 62% more likely to ride with an alcohol-impaired driver

Key Takeaways

Teen alcohol and drug use is not inevitable – most kids don't use them

Just wait - delay use until age 21



Thank you

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