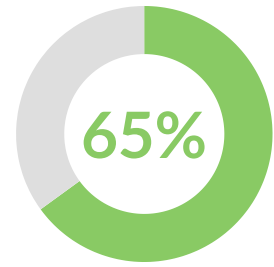


Driving and Substance Use: A Look at National and Delaware Data



of drivers involved in serious injury and fatal crashes between mid-March and mid-July 2020 tested positive for at least one drug (Thomas, F. D et al., 2020).

383

people were killed in crashes involving an alcohol impaired driver in Delaware from 2009-2018 (The Community Guide, 2018).



BAC, or blood alcohol concentration, is the percent of alcohol in a person's blood stream. Various factors can impact an individual's BAC including: # of standard drinks consumed, the duration of alcoholic beverages consumed, body weight, food intake, etc. (What is BAC?, 2021)

Alcohol's Effect on Driving

Alcohol decreases a driver's critical thinking capacity which hinders necessary driving abilities. Similarly, alcohol impairs a driver's ability to monitor their surrounding environment (Plawecki et al., 2017).

- Impairs judgement
- Impairs vision (including color distinction)
- Diminishes reaction time

(Alcohol and Driving - NHTSA, 2021)



Marijuana's Effect on Driving

- Distorts perception of the human senses
- Impairs coordination and motor function
- Hinders driving performance

(Hartman RL, Huestis MA. 2013)



"Drivers who test positive for marijuana or self-report using marijuana are more than twice as likely as other drivers to be involved in motor vehicle crashes"

(Li et al., 2011).

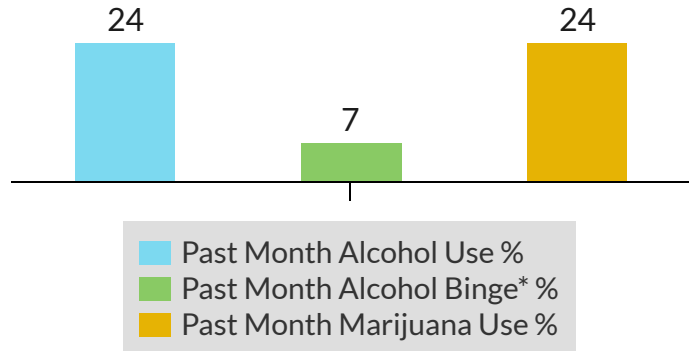
Driving and Substance Use: A Look at National and Delaware Data

2019 Delaware School Survey: Risk Behavior

"Car crashes are the leading cause of death for teens, and about a quarter of those crashes involve an underage drinking driver. In 2018, **24% of young drivers 15 to 20 years old who were killed in crashes had BACs of .01 g/dL or higher**"

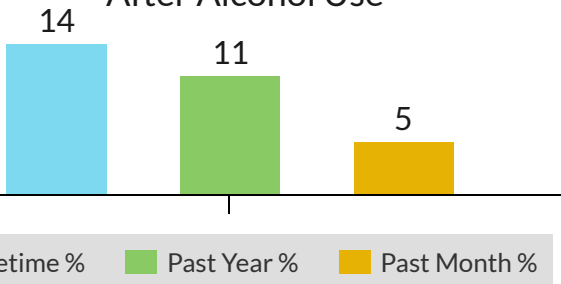
(Drunk Driving, 2021).

11th Graders Reporting Past Month Alcohol or Marijuana Use

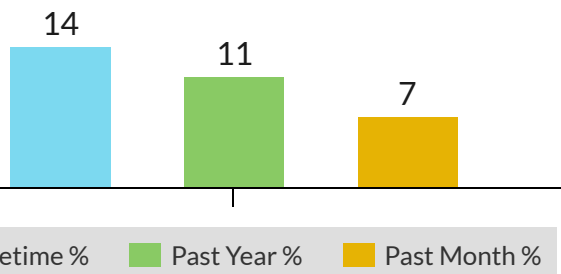


*Binge: Had 5 drinks in a row in the past two weeks.

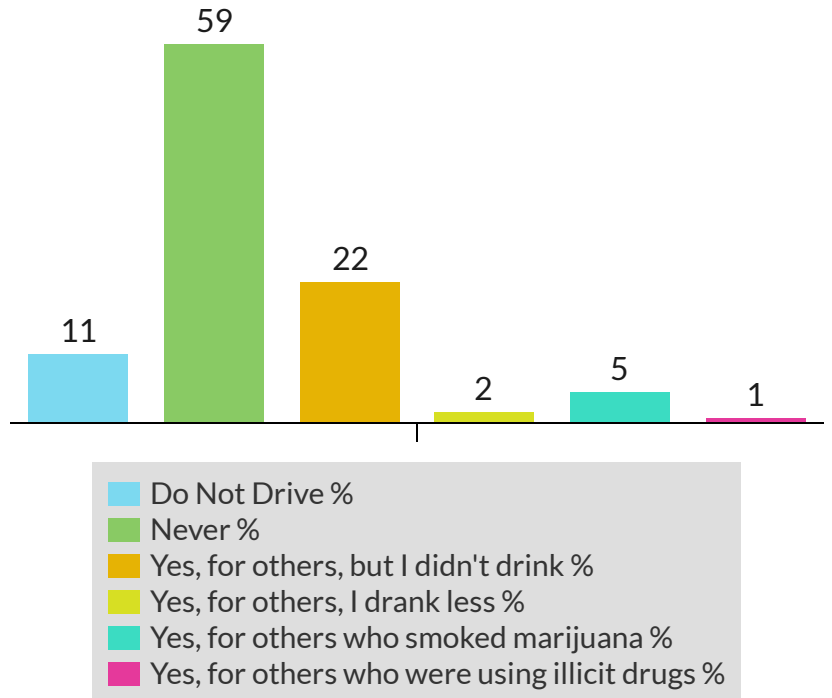
11th Graders Who Have Driven a Car After Alcohol Use



11th Graders Who Have Driven a Car After Marijuana Use



11th Graders Who Have Ever Been a Designated Driver In The Past 12 Months



(CDHS. (2020). DSS: Secondary. University of Delaware.)

Center for Drug & Health Studies. (2020). Delaware School Survey: Secondary [Annual Survey]. University of Delaware.

<https://www.cdhs.udel.edu/seow/school-surveys/delaware-school-survey-%28dss%29>

Drunk driving. (2021, March 04). Retrieved April 07, 2021, from <https://www.nhtsa.gov/risky-driving/drunk-driving>