Research Question

How has substance use shown a correlation between adolescence and mental health outcomes that may develop?

Meet the Ambassador

- My name is Nyla Bickham, I go to Wando High School in Mount Pleasant and am a junior
- My mentor is Dr. Kirkland



Potency

higher potency=higher risk

using higher potent substances is associated with more frequent cannabis use

increased likelihood of tobacco dependence, psychotic experiences

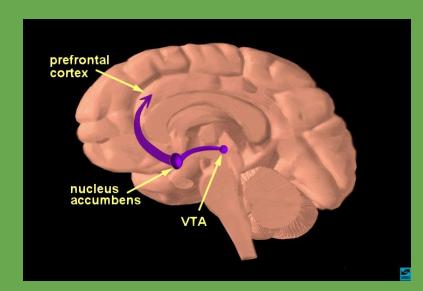
Table 1. Association Between Type of Cannabis and Demographic, Substance Abuse, and Mental Health Outcomes in 1087 Participants Who Reported Recent Cannabis Use

	Cannabis use, %a		
Characteristic	High potency (n = 141)	Lower potency (n = 946)	P value ^b
Regular cannabis use	56.8	17.6	≤.001
Cannabis use problems	10.1	0.8	≤.001
Use of other illicit drugs	82.9	66.5	≤.001
Tobacco dependence	37.0	15.1	≤.001
Alcohol use disorder	15.1	10.0	≤.001
Major depression (moderate or severe symptoms)	11.7	9.7	≤.001
Generalized anxiety disorder	19.1	11.6	≤.001
Psychotic-like experiences	12.4	7.1	≤.001
Male sex	71.6	43.4	≤.001
Low maternal educational level	19.2	13.1	≤.001
Lower parental occupational class	32.2	29.2	≤.001
Black or minority ethnic group	5.3	5.3	.94
Age at onset of cannabis use, mean (95% CI), y	14.7 (14.3-15.1)	16.9 (16.8-17.2)	NA
MFQ score at 13 y, mean (95% CI)	5.6 (4.65-6.49)	5.6 (5.26-5.95)	NA

Breaking down that brain

- -substances used at earlier developmental stages linked to altering the behavioral control hardware
- substances trigger area in the brain responsible for BBS (behavioral brake system)

decision making self monitoring impulse control





Since unable to perform these functions, they are associated with a higher risk of developing an alcohol abuse disorder



Final Thoughts

Overall, the program is a great opportunity for those seeking an insight into the psychological and medical world of science!

I am so grateful for the knowledge, guidance, and support I have gotten from my mentor, those who were included on the panels, and everyone included in the TSAP program!

I look forward to coming back in the summer as an intern and in the fall as a near-peer mentor!