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## Substance Use Behaviors and Associated Psychosocial Characteristics of Homeless Youth

Nina Liu BS USF MCOM - LVHN Campus, Nina.Liu@lvhn.org

Jeffrey Downen BS, MS Lehigh Valley Health Network, Jeffrey.Downen@lvhn.org

Brittany Gaudet BS, MSPH USF MCOM - LVHN Campus, Brittany.Gaudet@lvhn.org

Taylor Jarvill BA USF MCOM - LVHN Campus, Taylor.Jarvill@lvhn.org

Cecilia E. Zemanek BS USF MCOM - LVHN Campus, cecilia.zemanek@lvhn.org

See next page for additional authors

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Authors	
	ey Downen BS, MS; Brittany Gaudet BS, MSPH; Taylor Jarvill BA; Cecilia E. Zemanek I
mv B Smith Phi	); Hoonani M. Cuadrado MSPAS, PA-C; and Marna R. Greenberg DO, MPH, FACEP
ing B. Omian me	, Hoonali M. Oddarddo Wol Ao, FA O, and Wallia R. Oreciberg 20, Wi Fi, FAOE

# Substance Use Behaviors and Associated Psychosocial Characteristics of Homeless Youth

Nina Liu, BS, Jeffrey M. Downen, BS, MS, Brittney A. Gaudet, BS, MSPH, Taylor L. Jarvill, BA, Cecilia E. Zemanek, BS, Amy B. Smith, PhD, Hoonani M. Cuadrado, MSPAS, PA-C, Marna Rayl Greenberg, DO, MPH

All authors are affiliated with Lehigh Valley Health Network/University of South Florida Morsani College of Medicine, Department of Community Health and Health Studies

## Introduction

There are currently between 1 and 1.7 million young homeless Americans living in the United States. A significant proportion of these homeless adolescents use recreational substances such as alcohol, tobacco, and other drugs. Substance use among this vulnerable population can amplify the numerous psychosocial challenges they already face. Our study examined the prevalence of substance use behaviors and its relationship to psychosocial characteristics of homeless adolescents.

# Methods

A cross-sectional study was conducted on homeless adolescents who underwent state-mandated physical exams at a youth shelter between 2/19/2015 and 9/05/2019 in the Lehigh Valley, Pennsylvania. Patient demographics, along with psychiatric, social, and substance use histories were recorded. Substance use data was categorized into tobacco, alcohol, marijuana, and other illicit drugs. A chi-square test of independence was used to determine the association between substance use behaviors and psychosocial data.

REFERENCES

<sup>1</sup> Youth Homelessness. National Coalition for the Homeless. Accessed May 6, 2020. https://nationalhomeless.org/issues/youth/

## Results

440 total patient charts were reviewed. 55.7% of patients were female, 42.5% were male, and 1.8% were transgender. 47.0% were white and the mean age was 15.3. The most commonly used drug was marijuana (37.6%), followed by tobacco (27.7%) and alcohol (12.0%). Only 9.7% of patients reported using other illicit drugs, such as inhalants, cocaine, and methamphetamine. Tobacco use was associated with psychiatric diagnoses ( $X^2 = 6.92$ , p = .01), previous suicide or self-harm attempts ( $X^2 = 16.05$ , p < .001), past aggressive behaviors ( $X^2 = 10.30$ , p = 0.001), history of traumatic events ( $X^2 = 6.53$ , P = .01), and sexual activity ( $X^2 = 79.60$ , P < .001). Alcohol use was associated with past aggressive behaviors ( $X^2 = 6.97$ , P = .01) and sexual activity ( $X^2 = 25.29$ , P < .001). There was a relationship between marijuana use and past aggressive behaviors ( $X^2 = 34.27$ , P < .001), history of traumatic events ( $X^2 = 7.53$ , P = 0.01), and sexual activity ( $X^2 = 52.13$ , P < .001).

37.6% oused marijuana

used tobacco

12.0%
used alcohol

# Conclusion

Our study found that many homeless adolescents used at least one type of recreational substance, with marijuana being the most popular choice. Additionally, substance use habits were associated with various psychiatric diagnoses, behavioral factors, and sexual activity practices commonly seen among homeless youth. In particular, a history of aggressive behavior toward others and being sexually active were associated with the use of most types of recreational substances. This study highlights the need to address substance use behaviors and associated psychosocial factors when providing medical care to homeless adolescents.







<sup>&</sup>lt;sup>2</sup> Maria DS, Padhye N, Yang Y, et al. Drug use patterns and predictors among homeless youth: Results of an ecological momentary assessment. *The American Journal of Drug and Alcohol Abuse*. 2018;44(5):551-560. doi:10.1080/00952990.2017.1407328

<sup>&</sup>lt;sup>3</sup> Wenzel SL, Tucker JS, Golinelli D, Green HD, Zhou A. Personal network correlates of alcohol, cigarette, and marijuana use among homeless youth. *Drug and Alcohol Dependence*. 2010;112(1):140-149. doi:10.1016/j.drugalcdep.2010.06.004