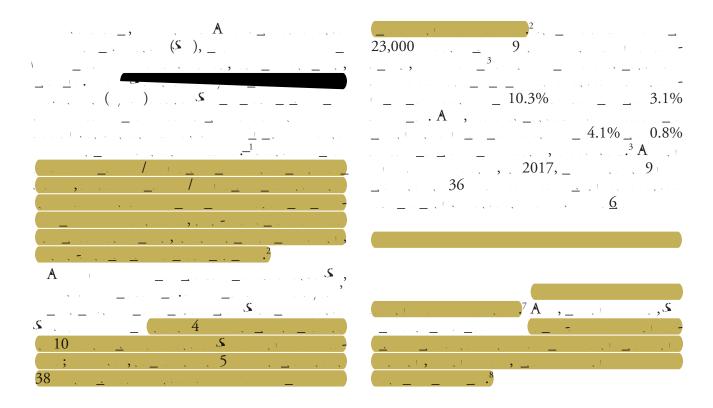
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Objective: In thi t d, I e amined the a ciatin bet een age f b tance e initiatin and e al i lence (SV) aming ad le cent gil. Methods: Data e e d a n f m the 2017 Y th Rik Beha i S e, and the ample inclided 7526 gil. L gitic ege in a edterimate the elatin hip bet een age f initiatin f alch le, maij ana e and ciga etter m king, and SV, a e edb f cede al intece e and epeiencing SV. Results: A deep n e a ciatin a be edbet een age f b tance e initiatin and SV. Ac all b tance e a iable and f b th SV to me, the h initiated b tance e befe age 15 e emelikel te peience SV than the h initiated at afte age 15, h, in the n, had a highe likelih defepeiencing SV than the h had ne e initiated b tance e. Conclusion: Eal initiatin f b tance ema be a meaning f I make fike f SV ictimi at in in late ad le cence. SV peentin pe g am c ldee eal initiatin f b tance e tidentif ad le cent he a eat incea edik f SV and peientin that a geted inteentin. T be mee ectie, peima peentin f SV maneed to begin ta geting brance e in eal ad le cence.

Key words: ad le cenι; b ιance e; age finiιiaιi n; e al i lence *Am J Health Behav*. 2020;44(6):840-847 **DOI**: d i. g/10.5993/AJHB.44.6.8



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Substance use is a modi able factor that has been rent Study linked to SV. Cross-sectional data reveal an assalthough the link between substance use and SV ciation between substance use and SV, with standing adolescents is well established, few stud ies demonstrating positive associations betweenes have examined the relationship between age of and the use of alcohol, marijuana and ciga substance use initiation and the likelihood of SV rettes 12,13 Temporal relationships between SV and ctimization. Undeniably, SV victimization is not substance use also have been reported. Findingsk behavior; nevertheless, it is plausible that age from a longitudinal investigation showed that daily substance use initiation could have a relationship smokers at baseline were more likely than nonsmokin SV, not unlike the one observed with risk be ers to report SV victimization at 2 subsequent wayasiors, where those with a younger age at initia of data¹⁴ SV also has been assessed as a predictorare more likely to experience SV victimization. of substance use. In one study, SV in early adultdeed, one examination of substance use onset and hood predicted substance use in young adulthoos found that participants who had experienced Among high school students, exposure to SV sersedual abuse or SV were more likely to report hav as a risk factor for daily cigarette smokered for ing initiated smoking prior to age 13 as opposed to use of alcohol, marijuana and other drulgsa age 13 or older. ere is, however, a dearth of-re study among college students, experiencing-SV pearch on age of substance use onset and SV. Given dicted next day marijuana tse. ndings on SV the prevalence of SV among adolescents, more repredicting substance use suggest that substance with SV is may be used to cope with having experienced seded-indings from such researchald provide Clearly, there is a relationship between substanceful information to help SV preventive programs use and SV; however, the mechanisms underlying adolescents who may be at greater risk this association are yet to be well understood. of SV victimization. In the current study, I sought Research on substance use shows that the attreextend the research linking substance use and SV which substance use was initiated has a bearingictimization by examining the e ect of age at sub the outcome under examination – the younger stance use initiation and SV victimization among spondents were when they rst began to use stemale adolescents. Based on ndings from studies stances, the greater the likelihood of the outcome substance use and health-risk behaviors. I hy For example, previous studies on risky behavioorshesized that adolescents who initiated substance among adolescents demonstrate that those wise at a younger age would have a higher likelihood were younger when they started using substanteexperiencing SV. had greater odds of driving while drunkind of being in a motor vehicle crash due to drinking. METHODS In their study, where age of initiation was assessed as Participants an ordinal variable, Hingson et adported that the risk of being in a ght increased with each decreas Data for this study were drawn from 2017 Youth ing age category. Literature on sexual risk behavior Survey (YRBS). e YRBS is a crossare more on a survey that monitors 6 categories of health reveals that risk behaviors that contribute to morbidity and during during adolescents: (1) behaviors that Selnquiries on mental health re contribute to unintentional injuries and violence, ses(2) tobacco use, (3) alcohol and other drug use, (4) port that pressive behaviors contributing to the contraction of STIs and unintended pregnancy, (5) unhealthy dietary behaviors, (6) and physical inactivity. fsės body of literature on age of substance use initiation and risk behaviors including the objectives, methods, and demonstrates that although those who use substant pling procedure of the YRBS are described else es are at higher risk for these health-compromis there? e survey utilized a 3-stage cluster sample outcomes, a younger age at initiation of substance of students in grades 9-12 who attend public and

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use confers an even greater risk.

Age of Substance Use Initiation and Sexual Violence Victimization among Female Adolescents

private schools. e 2017 YRBS included 14,764 participants. Of these, 7526 were girls, who comprised the sample of the current study.

Measures

Outcome variables.e 2 outcome variables were being physically forced to have sexual inter course and experiencing sexual violence. Being physically forced to have sexual intercourse and was measured based on the response to the question: "Have you ever been physically forced to have sex ual intercourse when you did not want to?" Partici

sexual intercourse or experiencing sexual violence was reported by 10.6% and 13.8%, respectively. Al cohol use, smoking marijuana, and smoking ciga rettes were mostly reported among those under the

as covariates in the regression analyses, which age of 15. Initiation before age 15 years for alcohol, multivariable logistic regression to assess adjustarijuana, or cigarettes was reported by 31.8%, associations. e associations were estimated 18.6% and 13.3%, respectively.

terms of odds ratios (ORs) with 95% con dence

intervals (Cls). e logistic regression models were. Association between Age of Substance Use checked for t and multicollinearity. Data were an initiation and SV alyzed using IBM SPSS Statistics version 26.

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When compared to adolescents who never drank alcohol, smoked marijuana or smoked cigarettes

RESULTS

Description of the Sample

Nearly half of the sample (49.7%) was between 15 and 16 years of age (Table 1). Whites comprised the largest proportion of the sample (43.1%), fol lowed by Hispanics (24.7%). Being forced to have

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