

Negative Urgency, Parental Monitoring, and Substance Use among At-Risk Adolescents



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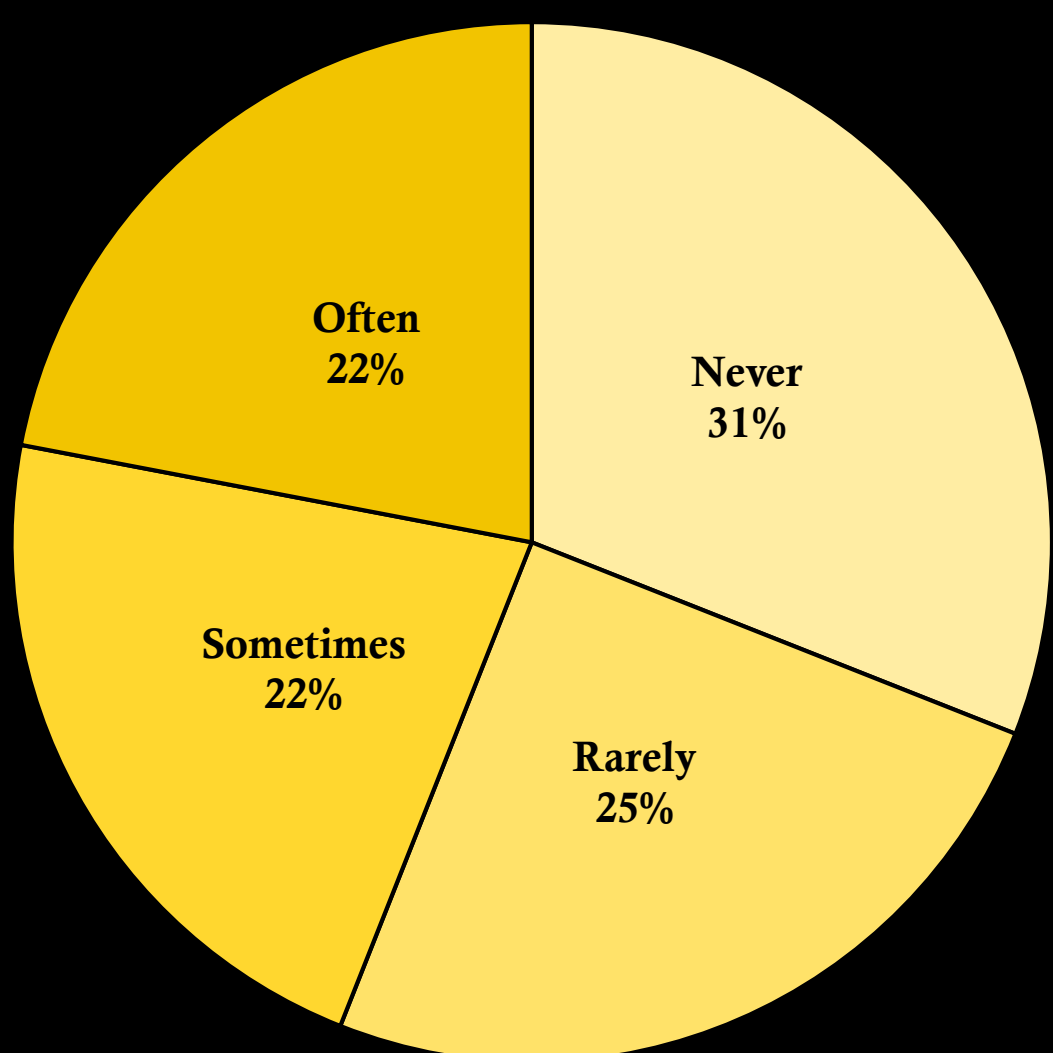
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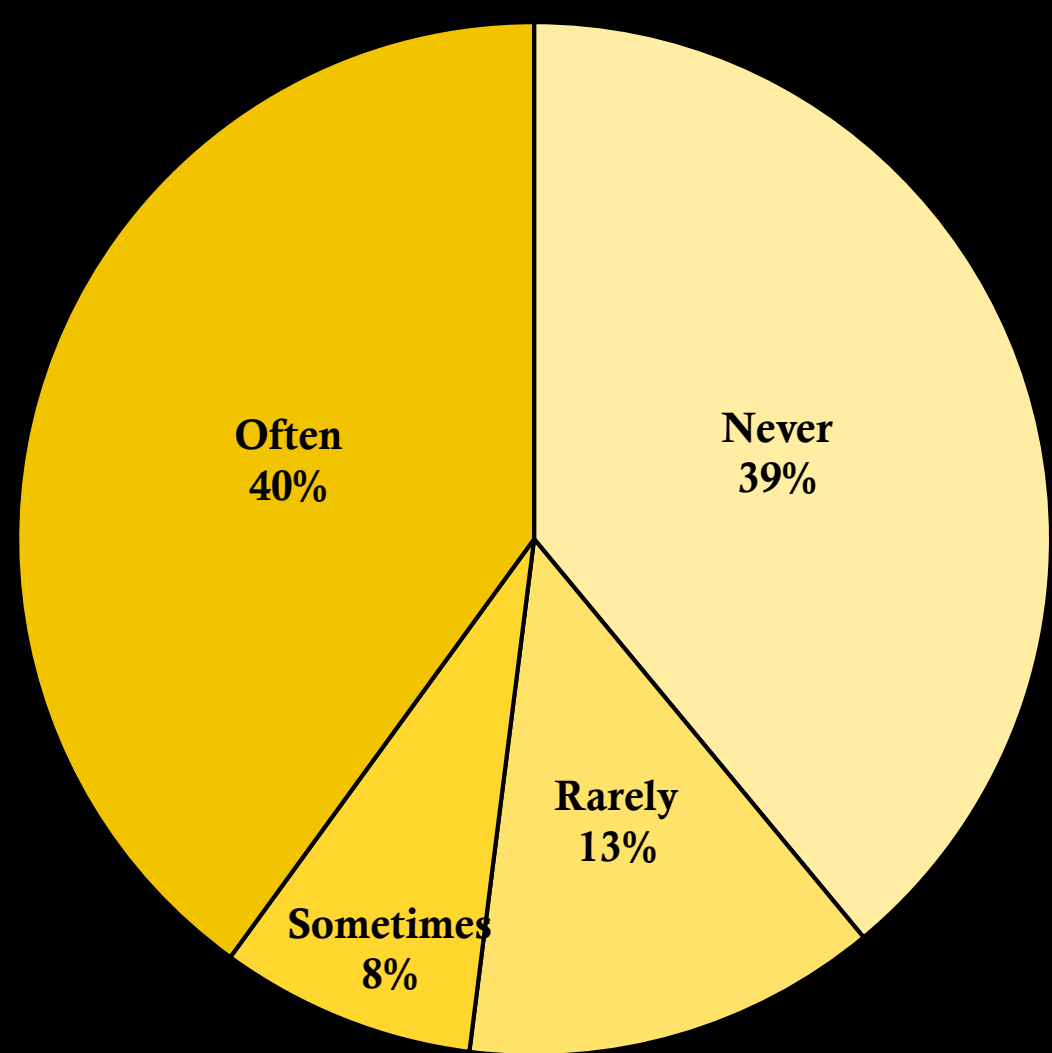
INTRODUCTION

- **Negative urgency (NU):** the tendency to act impulsively when experiencing unpleasant emotions
- NU strongly associated with problematic substance use among adolescents^{1, 2}
- **Poor parental monitoring (PPM)** also strongly associated with problematic substance use among adolescents³
- No known research has examined negative urgency and poor parental monitoring as simultaneous predictors of adolescent substance use

ALCOHOL USE FREQUENCY



MARIJUANA USE FREQUENCY



ALCOHOL	Wald χ^2	p-value
Race (White)	2.697	.101
PPM	1.794	.180
NU	5.891	.015
MARIJUANA	Wald χ^2	p-value
PPM	.029	.864
NU	18.511	.000

DISCUSSION

- Only NU was significantly associated with frequency of both alcohol and marijuana use
- Consistent with literature stating that NU is an important factor^{1, 2}
- Inconsistent with literature on the importance of parental monitoring³
- When examining NU and PPM simultaneously, higher NU may be more predictive of substance use than PPM
- Higher NU may be predictive of substance use despite parental efforts to monitor the child's engagement in risky behavior

METHODS

- Participants:**
- 183 adolescents in a residential facility
 - Ages 16-19 years ($M = 16.72$ years)
 - 81.9% male ••• 59.0% White, 28.4% Black
 - 68.9% use alcohol ••• 61.2% use marijuana
- Measures:**
- UPPS-P Impulsive Behavior Scale⁴
 - Alabama Parenting Questionnaire (APQ)⁵
 - Youth Risk Behavior Survey (YRBS)⁶
- Procedures:**
- Data collected as part of larger study
 - Participants completed surveys via Qualtrics

RESULTS

- Sex and race considered as covariates using nonparametric tests
 - Two separate ordinal logistic regression models, with alcohol and marijuana use frequency as outcome variables
 - NU and PPM entered as predictor variables
 - Significant difference in alcohol use frequency across racial groups ($\chi^2(6) = 16.50, p < .05$)
- Alcohol Model:**
- Overall model was significant ($\chi^2(3) = 13.31, p < .01$)
 - NU was only significant predictor ($\chi^2(1) = 5.891, p < .05$)
- Marijuana Model:**
- Overall model was significant ($\chi^2(1) = 20.78, p < .001$)
 - NU was only significant predictor ($\chi^2(1) = 18.511, p < .001$)

IMPLICATIONS

- Can use objective measures of impulsivity (specifically focusing on NU) to assess for the likelihood of problematic substance use
- Target NU in substance use treatment and prevention efforts for adolescents by discussing negative emotions and building skills for coping with those emotions
- Future studies may examine the relationship between NU, PPM, and other risk-taking behaviors (e.g., risky sexual behavior, illegal activity) among adolescents

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