

The Impact of Substance Use in Adolescence

on Physical Health in Adulthood



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Introduction

Alcohol consumption during adolescence disrupts brain development, increasing the risk of substance use disorders and poor physical and mental health in adulthood (Nock et al., 2017; Steinfeld & Torregrossa, 2023).

- Engaging in physical activity during adolescence may reduce the negative health effects of substance use, promoting healthier behaviors in adulthood (Huéscar et al., 2011; Simonton et al., 2018).
- Adolescent tobacco use is linked to long-term respiratory, cognitive, and general health

Research Questions

Do adolescents who engage in regular substance use report poorer general health in adulthood compared to those who did not use these substances during adolescence?

Does tracking physical activity in adulthood differ between individuals who smoked regularly during adolescence compared to those who did not?

problems by age 30, emphasizing the need for early prevention (Brook et al., 2004)

Methods

Sample

Respondents (n=4,192) were selected from the U.S. National longitudinal Survey of Adolescent Health (ADDHEALTH), a nationally representative study of adolescents in grades 7th-12th conducted during the 1994-1995 academic school year. Follow-up data was gathered in Wave 5, when participants were in their late thirties and forties, allowing for an analysis of long-term effects.

Measures

- General Health Status: Self-reported health status in adulthood, coded on the scale "poor", "fair", "good", "very good", "excellent" (1-5).
- Physical Activity Tracking: Whether participants track physical activity in adulthood, coded on the scale "No", "Yes" (0-1).
- Regular Smoking: Whether participants smoked regularly during adolescence, coded on the scale "No", "Yes" (0-1).
- Binary Health Status: Combined general health status into binary variable, coded on the scale "poor", "fair" and "excellent", "very good", "good" (0-1).









- Smoking during adolescence significantly affects

