

The Association Between Adolescent Grade Skipping/Retention and Self-Perceived Success During Adulthood



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Introduction

- High academic performance in high school is associated with higher-paying jobs with more advancement opportunities during adulthood (Tentama, 2019).
- Students that skip grades in high school display significantly better academic achievement into adulthood compared to their peers (Park et al., 2013).
- Students that are held back a grade are significantly more likely to drop out of high school. (Jimerson 2001)
- Academic performance and teacher-perceived achievement is positively associated with self-perceived achievement and happiness in adolescents (Chen 2009).
- However, an association between grade skipping/retention and success, especially self-perceived success, during adulthood has yet to be drawn.

Research Questions

- Is skipping or being held back a grade in high school associated with higher self-perceived success as an adult?
- Does the association between grade skipping/retention during adolescence and self-perceived success during adulthood differ for individuals based on their sex?

Methods

Sample

Respondents (n=4035) were drawn from the U.S.
 National Longitudinal Survey of Adolescent Health (Add Health), a nationally representative sample of adolescents in Grades 7-12 who began the survey during the 1994-95 school year for Wave I and were surveyed again during adulthood in 2016-18 for Wave V.

Measures

- Participants were asked if they "had ever skipped a grade" or "ever been held back a grade" in the education module of Wave I.
- Life satisfaction was assessed by asking participants to rank themselves on a hypothetical ladder representing where people stand in the US.
 - The top of the ladder represents people who have the highest income, education, and most respected jobs.
- Participants self-reported their sex.

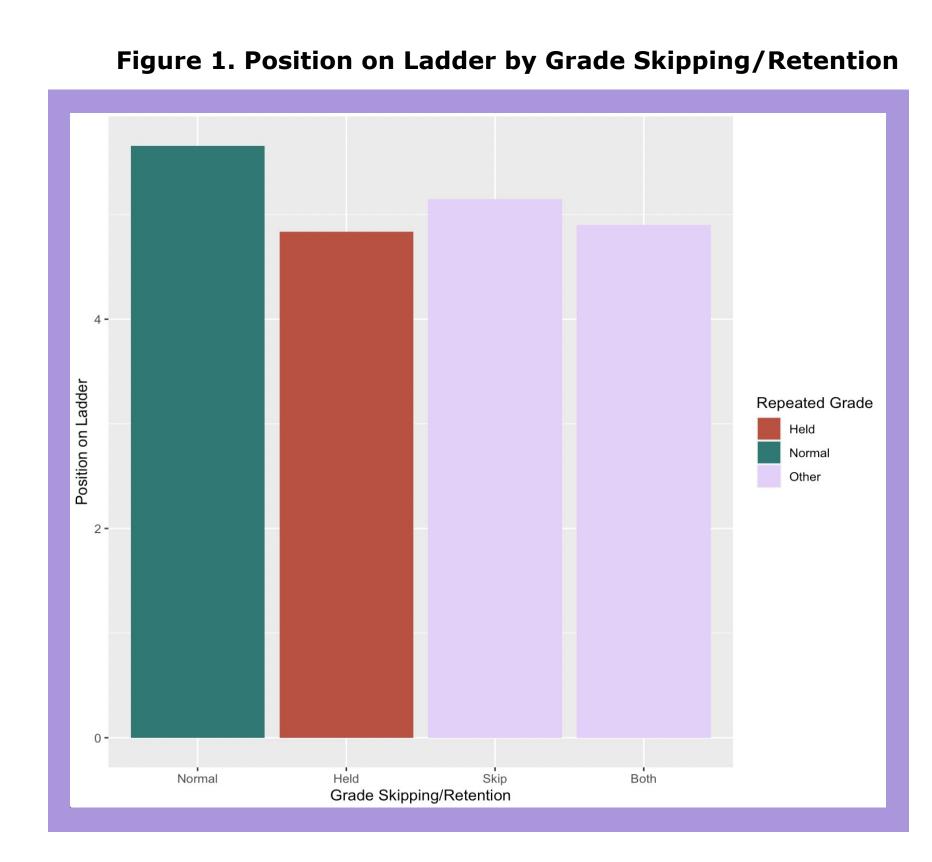
Results

Univariate

- 1.4% of participants had skipped a grade
- 17.0% of participants had been held back a grade
- Participants tend to rank themselves in the middle of the ladder on average, with step 5 being the most frequent response.

Bivariate

- ANOVA analysis showed that grade skipping and retention were significantly associated with participant's ranking of themselves on a ladder of self-perceived success (F(3,4031)=36.66, p<0.0001) (Figure 1).
- Post-hoc analysis on the individual subsets revealed that grade retention remained significantly and negatively associated with participants' ranking on the ladder. However, grade skipping was found to be not associated with ladder position.



Multivariate

- Multiple regression analysis reveals that that grade retention is still significantly associated with participant's ranking of themselves on a ladder of self-perceived success after controlling for sex (B=-0.70, p<0.0001) (Figure 2).
- Sex was found to be not significantly associated with participants' ranking on ladder after controlling for grade retention. (B=-0.12, p>0.05)
- The interaction between sex and participants' ranking on ladder was not found to be significantly associated with grade retention.



Figure 2 Position on Ladder by Grade Skinning/Petention for Both Seves

Discussion

- Individuals that were held back a grade in high school tend to self-report lower levels of financial and career success as an adult.
- The sex of the individual that was held back for a grade during adolescence may not affect their perception of their own success as an adult.
- Notably, the measure for success during adulthood in this study was self-reported by participants and may not reflect actual financial success as accurately as measures such as income.
- Further research is needed to determine how grade skipping and retention in high school is associated with an individual's self-perception and career achievement during adulthood and hence what measures should be adopted to improve education for students.