

# The Association Between Adolescent Relationships and Depression Symptoms



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# Introduction

- In recent years, the percent of adolescents diagnosed with depression has continued to rise starting at 5.4% in 2003, and rising to 13% in 2017 (CDC, 2018).
- Adolescent girls were three times more likely to experience a depressive episode then adolescent boys (CDC, 2018).
- Suicide is the second-leading cause of death amongst people ages 15-24(UCLA, 2023).
- One source of increasing suicide rates stems from unhealthy romantic relationships (Price, et al, 2016).
- In a study done by the National Institute of Health, it
  was found that the lowest quality of relationships had
  double the risk of depression (NIH, 2013).

# **Research Questions**

- Are adolescent romantic relationships associated with having depression symptoms?
- Does the association between adolescent relationships and depression symptoms differ between gender?

# **Methods**

#### Sample

Respondents (n=6504) were drawn from the 1994
 National Longitudinal Study of Adolescent Health
 (ADDHEALTH), a representative survey of adolescents in
 grades 7-12 in the United States.

#### Measures

- Depression symptoms were made using the ADDHEALTH survey questions and range from 0, having no symptoms, to 3 having symptoms constantly.
- Whether or not the participant participated in an adolescent relationship was assed based off the question "have you had a romantic relationship" with 0 indicating they had not, and a 1 indication they had.

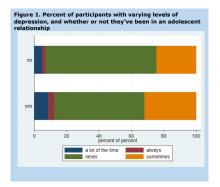
# Results

#### Univariate

- 51.61%% of respondents are female.
- 55.45% of respondents indicated that they had been in a romantic. relationship
- 38.4% of respondents indicated that they had depression symptoms.

#### Bivariate

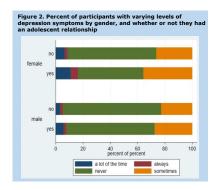
- Chi-Square analyses showed that for all levels of depression symptoms those adolescents that indicated they had been in a romantic relationships were significantly more likely to develop depression (p<.001).</li>
- Those individuals who have had an adolescent relationship are significantly more likely to develop depression symptoms.



 Additionally, a simple regression analysis showed that there was a significant positive association between those who have been in a romantic relationship, and increasing levels of depression (B=.19, P<.001).</li>

#### Multivariate

- Whether or not the participant had sexual intercourse does appear to be a confounding variable.
- After controlling for sexual intercourse those who were in an adolescent romantic relationship were not more likely to develop depression symptoms (B = .04, p=.226).
- When comparing genders, girls were 20% more likely to develop increased depression symptoms (B=.20 P<.001). Figure 2</li>



### Discussion

- · There is no significant association between the development in depression and being in an adolescent relationship.
- Those participants who were female, had been in and adolescent relationship, and had sexual intercourse were most significantly likely to have depression symptoms.
- Given depression when left untreated could lead to suicide, psychiatrists might use this information to provide more services to those in the most effected group.
- Further research is needed to determine whether an adolescent romantic relationship is a direct cause of the depression symptoms.