Associations Between Mental Health and Attendance Among 6th Grade Students

Amanda Yeazel, Ashley Ruebling

University of Illinois at Urbana-Champaign

Abstract

Maintaining mental health and attending school regularly are important during early adolescence. This period is particularly critical for developmental processes, including the development of a sense of responsibility and other social skills. Recent reviews have indicated there is a positive relationship between anxiety and attendance problems in students. Thus, it is important for researchers to look at how negative mental health symptoms (depression, anxiety, hyperactivity, and attention problems) are associated with various types of school absences (excused, unexcused, and tardies). The hypothesis was there would be a positive relationship between poor mental health and increased absences among early adolescents. Participants included 316 sixth grade students from an urban area in Illinois, who participated in a survey that examined both mental health and attendance rates. Linear regression analyses were conducted in SPSS software to examine the relationship between mental health and types of absences. Results indicated students had high levels of negative mental health symptoms; 27.3% of students displayed clinical levels of depression. Students also exhibited high rates of absences. On average, students missed 3.45 days of unexcused absences. Regression analyses indicated higher levels of hyperactivity symptoms were associated with more unexcused absences ($B = .44, p = .01$) and tardies ($B = .87, p < .001$). Attention problems were also associated with more tardies ($B = .76, p < .001$). No other significant relationships were found. This school and other urban middle schools can use these findings to support student’s specific mental health needs to increase attendance.

Keywords: Mental Health, Attendance, Middle School
**INTRODUCTION**

**Concern Between Mental Health & Attendance**
- Maintaining good mental health and attending school is seemingly important during early adolescence. Previous researchers have found children who have difficulties attending school may be at greater risk for developing poor social skills and developing mental health issues (Dube & Orpinas, 2009).

**Mental Health Prevalence**
An alarming number of children are diagnosed with behavioral and mental health problems:
- 7.1% of children ages 3-17 were diagnosed with anxiety (Ghandour et al., 2018)
- 3.2% of children ages 3-17 were diagnosed with depression (Ghandour et al., 2018)
- 9.4% of children ages 2-17 were diagnosed with attention deficit hyperactivity disorder (ADHD) (Danielson et al., 2018)
- These numbers do not account for the number of children who have not been diagnosed or who display high or at-risk symptoms for these mental health and behavioral difficulties

**Previous Research**
Several studies have found there is a significant association between poor mental health (i.e., anxiety, depression, ADHD) and attendance problems within schools (Finnin et al., 2019; Gombb et al., 2006; Guevara et al., 2013; McCarthy et al., 2018).

However, to our knowledge, no studies have looked at these mental health symptoms in relation to various attendance problems among middle school students.

**CURRENT STUDY**

Our study furthers this area of research to examine what associations exist between negative mental health and behavioral health symptoms (anxiety, depression, hyperactivity, and attention problems) and attendance problems (excused and unexcused absences and truancy) among a sample of sixth grade students.

**Hypothesis:**

It was hypothesized there would be a positive relationship between poor mental health and attendance problems among a sample of early adolescents in the sixth grade.

In other words, more mental and behavioral health concerns would be associated with more attendance problems.

**METHOD**

**Participants:** 316 sixth grade students from a middle school in an urban area in central Illinois participated in the study. Demographics included:

- **Gender:** Male, Female, Other
- **Race:** African American, Multiracial, Hispanic or Latino/a, Asian or Pacific Islander, American Indian, Other

**Procedure:** Students completed assessments on tablets. An institutional review board approved all study procedures, including obtaining passive parental consent and active student assent.

**Data Analysis:** Linear regressions were conducted using SPSS software to examine the relationship between mental and behavioral health (i.e., depression, anxiety, attention, and hyperactivity problems; independent variables) and attendance outcomes (i.e., unexcused, and excused absences, truancy; dependent variables).

<table>
<thead>
<tr>
<th>Dependent Variable</th>
<th>B</th>
<th>p-value</th>
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<tbody>
<tr>
<td>Anxiety</td>
<td>.078</td>
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<tr>
<td>Unexcused Absences</td>
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<td>Tardies</td>
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<td>Hyperactivity</td>
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<td>Tardies</td>
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<td>Attention Problems</td>
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* p < .05
References


