

Adult Relationships in Multiple Contexts and Associations With Adolescent Mental Health

Research on Social Work Practice
2016, Vol. 26(6) 622-629
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DOI: 10.1177/1049731515624967
rsw.sagepub.com



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Abstract

Purpose: Adult relationships provide critical support for adolescents because of their potential to foster positive development and provide protective influences. Few studies examine multiple ecological layers of adult relationships in connection with well-being and depression. This study examines the influence of relationships from multiple contexts for adolescents and their mental health. **Method:** Data from the 2011 California Healthy Kids Survey was used for this analysis; a sample of 7th-, 9th-, and 11th-grade students ($N = 14,931$) was drawn from 6 school districts in Southern California. **Results:** Regression analyses revealed that parent, teacher, and community adult support were all significantly positively associated with well-being and significantly negatively associated with depression. **Discussion:** Social support explained more variance in well-being than in depression, indicating that adult support may be more important for supporting well-being. This study supports the belief that individual categories and combinations of adult support are important.

Keywords

adolescent development, well-being, ecological context

Adult Social Support and Ecological Context

Myriad factors influence the experiences of adolescent youth in their schools and communities. Obstacles to healthy development and academic progress for students include learning difficulties, behavior problems, and mental health issues (Lean & Colucci, 2010, 2013; Richman, Bowen, & Woolley, 2004). These factors all have consequences for academic outcomes, relationships with parents and caregivers, and future success in work and relationships. Adult relationships are particularly important for adolescents because of their ability to be protective and facilitate development or to be a risk factor and potentially lead to increased problems (Astor, De Pedro, Gilreath, Esqueda, & Benbenishty, 2013; Jennings & Greenberg, 2009; Sesma, Mannes, & Scales, 2013; Young & Leadbeater, 2010).

Research on the contextual nature of these relationships is needed. Researchers have suggested increased focus on context (Astor et al., 2013; Jennings & Greenberg, 2009) and the influences of family and nonfamily relationships on adolescent development (Darling, Hamilton, & Shaver, 2003; Yeung & Leadbeater, 2010). For adolescents, then, research about supportive adult relationships needs to include multiple domains of their lives including home, school, and community or other adult relationships (Darling et al., 2003). Put another way, the contextual nature of multiple relationships reflects the idea that

adolescents have more than one relationship in more than one ecological layer at any given time. The purpose of this study is to examine the relationship between adolescents' relationships with adults in various ecological contexts and their mental health.

Particularly important to this study is the belief that adult relationships are critical assets for youth and that these assets include relationships with parents and family, teachers, and other adults (Benson, 2003; Sesma et al., 2013). These assets can be understood as part of a larger framework of risk and protective factors that encompasses both environmental and intrapersonal influences on adolescents' educational and health outcomes (Benson, 2003). Adult relationships can

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be understood as supportive environmental factors that empower youth and provide a sense of value and belonging (Edwards et al., 2007; Jarrett, Sullivan, & Watkins, 2005). Social connections outside the family may also provide positive opportunities or contribute to social isolation within communities (Arthur et al., 2007). Beyond risk and protective factors, these examples of supportive adult relationships emphasize the importance and utility of social support. Social support theory proposes that social support reduces the effects of stressors on health and that support promotes coping and therefore health and well-being (Lakey & Cohen, 2000). The current focus on depression and well-being aligns with social support theory, as we believe adult relationships can restore adolescent health and protect against future stressors.

As relationships with adults comprise needed social support for adolescents, it is also clear that influences come from multiple contexts, including family members, teachers, and adults in the community (Astor et al., 2013; Darling et al., 2003; Sallis, Owen, & Fisher, 2008; Youngblade et al., 2007). Examining adult relationships at multiple ecological layers is therefore important and may help clarify how various categories of support influence a particular individual's mental health. For example, Scales, Benson, Roehlkepartain, Sesma Jr, and van Dulmen (2006) argue that a student's success at school is the result of a "complex interplay" between levels of his or her ecology; caring and supportive relationships, student motivation, and strong social norms and expectations are just some of the ecological levels involved.

Parent Relationships

Parents clearly represent a principal ecological layer of importance and support for children. Beyond the intuitive salience of parents as caregivers, research in multiple areas has relevance for the current examination of adult support. In a study that sought to compare the influences of parents to other groups, Greenberg, Siegel, and Leitch (1983) found that the quality of attachment to parents was more powerful than that of peers in predicting well-being. In another study examining significant influences in their lives, adolescents chose a parent as the most significant relative (Tatar, 1998). Research has also demonstrated that parent support is protective for students experiencing stressful situations (e.g., victimization) and helps protect against emotional problems (Yeung & Leadbeater, 2010). Many examples illustrate the importance of parents in building social capital and helping to build resilience in youth (Furstenburg & Hughes, 1995; Pong, Hao, & Gardner, 2005; Sesma et al., 2013). Finally, there is evidence that parent involvement is an important element of school success for youth (Jeynes, 2007; Smith, Wohlstetter, Kuzin, & De Pedro, 2011; Zellman & Waterman, 1998). It is possible that students perceive involvement as a form of support. That several of these studies examined parents and teachers together stresses the importance of understanding support coming from overlapping spheres of influence.

Teacher Relationships

Supportive school climates can protect against psychological and social risk factors (Bond et al., 2007; Thapa, Cohen, Guffey, & Higgins-D'Alessandro, 2013). In contrast, students who have nonsupportive relationships with peers and teachers have worse outcomes related to substance use, mental health symptoms, and academic outcomes (Bond et al., 2007; Jennings & Greenberg, 2009; Thapa et al., 2013). School is clearly an important ecological layer for students, and teachers are a prominent source of support for students who face many challenges in the course of their academic careers. Jennings and Greenberg (2009) emphasize the importance of teachers as role models who provide support. When students have relationships with adults who are trusting, responsive, and promote social and emotional development, they internalize healthy models of functioning (Jennings & Greenberg, 2009).

Baker (1999) noted that teachers might be particularly important influences in helping students acclimate to a school and provide a pathway for students to access other supportive elements of school climate. In a study seeking to understand how people characterize significant individuals, teachers were often identified as significant nonfamily adults and as role models (Tatar, 1998). Especially for secondary students, the amount of time they spend at schools allows for increased interaction with and support from teachers (Yeung & Leadbeater, 2010). Finally, Murray and Greenberg (2000) examined children's social experiences in schools and concluded that positive connections with teachers may influence children's ability to approach new situations and challenges. The continued study of teacher and adult relationships is needed to examine how contextual factors affect students with various mental health and social emotional needs (Astor et al., 2013).

Community Adult Relationships

While much research about adolescent social experiences focuses on parents and peers, less is known about the unique contributions of unrelated adults (Darling et al., 2003). Darling, Hamilton, and Shaver (2003) go as far as calling unrelated adults "the neglected other" and argue that we need to better understand the ways that adults outside the family impact adolescents. Some have focused on examining the roles of mentors (Darling et al., 2003; Hamilton & Hamilton, 2004), and while these relationships are important, less formal or defined relationships are important as well. Scales et al. (2006) write that more adults need to actively contribute to the positive development of youth in their various communities. These adults and mentors could conceivably include coaches, employers, after school program staff, church leaders, and others.

As adolescents develop, relationships with adults have multiple facets. Support from other adults in the lives of youth helps provide emotional support, alternative role models, and social capital regarding connections for opportunities like jobs or internships (Hamilton & Hamilton, 2004). Relationships with people in the community are also needed for making a

successful transition from adolescence to adulthood and for youth to feel like they can contribute to a larger community (Edwards et al., 2007; Jarrett et al., 2005).

Purpose

There appear to be few studies that examine multiple ecological layers of adult relationships in connection with well-being and depression. As such, this study aspires to add to our knowledge about the influence of multiple relationships from multiple contexts in the lives of adolescents and how this impacts mental health. It is hoped this information can inform efforts to enhance social support for adolescents. In general, our hypothesis is that higher levels of perceived support will result in higher levels of well-being and lower levels of depression.

Method

Sample

This study is a secondary analysis of quantitative data available through the “Building Capacity in Military Connected Schools” Project. The Building Capacity Project is a collaboration between the University of Southern California, the Department of Defense Education Activity, and a consortium of eight school districts in San Diego County. The Building Capacity team uses the California Healthy Kids Survey (CHKS) to monitor progress in consortium schools and developed a Military-Connected Schools Supplemental Module to gather data specific to military-connected students and families. This module is used by schools in the Building Capacity consortium and is available statewide.

The CHKS is administered biennially in schools to 5th-, 7th-, 9th-, and 11th-grade students throughout the state of California (Hanson & Kim, 2007). Students in attendance on the day of administration complete surveys; this information therefore indicates self-reported perceptions of students (Hanson & Kim, 2007). Data for these analyses are from the March 2011 administration of the CHKS. In 2011, the CHKS survey, including the military module, was administered to 14,633 students, which represents a response rate of 86.5% (Gilreath et al., 2013).

The final sample for these analyses included 14,633 middle and high school students in Southern California (see Table 1). A slight majority (51.6%) was female. Students were relatively evenly distributed across grade levels, with approximately one third in 7th-, 9th- and 11th grades. Nearly half of the sample reported being Hispanic, followed by White students, those reporting mixed race, and other. African Americans were the smallest group (2.96%) in the sample.

Measures

The independent variables will include adolescent perceptions of support from three categories of adult relationships: parents/family, teachers, and other adults in the community. Control variables include gender, ethnicity, and grade in school. The

Table 1. Overall Sample Characteristics.

	N	(%)
Gender		
Female	7548	(51.6)
Male	7085	(48.4)
Grade		
7	4673	(31.8)
9	5078	(34.5)
11	4936	(33.5)
Race/ethnicity		
African American	429	(2.96)
Hispanic	7174	(49.5)
White	3972	(27.4)
Mixed race	1679	(11.6)
Other ^a	1250	(8.6)
Mental health	M	(SD)
Well-being	3.44	(0.94)
Depression	2.28	(0.88)
Adult support		
Teacher support	2.95	(0.76)
Community adult support	3.32	(0.85)
My parents come to school	2.33	(1.76)
My Parents help with school workp	2.2	(1.11)

Note. AI = American Indian; PI = Pacific Islander; AN = Alaska Native.

dependent variables are two scales measuring well-being and depression.

Dependent Variables

Well-being. To assess well-being, participants were asked six questions. These questions began: “In the last 30 days, how often did you feel . . .” Specific items included: feel full of energy; happy; proud; good about life; excited; and strong. Possible responses to each of these items were on a 5-point Likert-type scale that included: 1 = *None of the time*; 2 = *A little of the time*; 3 = *Some of the time*; 4 = *Most of the time*; and 5 = *all of the time*. This scale was adapted from the Positive and Negative Affect Schedule—Expanded Form (Watson & Clark, 1999). An overall well-being score was calculated for each respondent by summing up responses to the 6 items and creating an average score. Average scores ranged from 1 to 5, with higher scores indicating higher levels of well-being. Other researchers using the same adapted scale reported an internal reliability of $\alpha = .894$ (Cederbaum et al., 2013; De Pedro, Astor, Gilreath, Benbenishty, & Esqueda, 2014); in the current study, these items had an internal reliability of $\alpha = .894$.

Depression. Participants were also asked six questions to assess depression. These questions began, “In the last 30 days, how often did you feel . . .” Specific items included: like everything feels hard to do; nothing can cheer you up; restless; cannot stay still in one place; nervous; and do not have much hope. Possible responses to these questions were also on a 5-point Likert-type scale and included 1 = *None of the time*; 2 = *A little of the time*; 3 = *Some of the time*; 4 = *Most of the time*; and 5 =

all of the time. Like the well-being scores, an overall depression score was calculated for each respondent by summing the responses to the 6 items and creating an average; these scores ranged from 1 to 5, with higher scores indicate higher levels of depression. These questions were adapted from the Kessler 6 scale (Kessler et al., 2002). Similarly, researchers using this adapted scale report an internal reliability of $\alpha = .848$ (Cederbaum et al., 2013; De Pedro et al., 2014); in this analysis, these items also had an internal reliability of $\alpha = .848$. The depression variable was found to have high positive skew, and so a logarithmic transformation was performed on depression to reduce skewness. In addition, the correlation between well-being and depression was examined, and this yielded a significant ($p = .01$) negative correlation $r = -.159$. This indicates that well-being and depression are likely separate constructs and not opposite ends of a continuum.

Independent Variables

Demographic variables. Demographic independent variables included gender, grade (7th, 9th, and 11th), and race/ethnicity (African American, Hispanic, White, mixed race, and other). All demographic variables were dummy coded for use in the regression model.

Teacher relationships. Participants were asked about their relationships with teachers. This construct included 6 items: At my school, there is a teacher who really cares about me; who tells me when I do a good job; who notices when I'm not there; who wants me to do my best; who listens to me when I have something to say; and who believes I will be a success. Responses to these items were on a 4-point Likert-type scale and included 1 = *Not at all*, 2 = *A little true*, 3 = *Pretty much true*, and 4 = *Very much true*. The internal reliability for these items was $\alpha = .882$. A composite score was calculated for each respondent by summing these items and dividing by six. Responses range from 1 to 4, with higher numbers indicating more perceived support.

Community adult relationships. Participants were also asked about their relationships with adults in the community, outside school. This construct also included 6 items with the same 4-point Likert-type scale as teacher relationships where possible responses included 1 = *Not at all*, 2 = *A little true*, 3 = *Pretty much true*, and 4 = *Very much true*. These items included an adult outside home or school really cares about me; tells me when I do a good job; notices when I am upset about something; believes that I will be a success; always wants me to do my best; I trust an adult outside of home or school. The internal reliability for these items was $\alpha = .936$. Summing these 6 items and dividing by six again calculated a composite score so that responses range from 1 to 4, with higher numbers indicating more perceived support.

Parent relationships. Students' relationships with parents were represented with 2 separate items in the CHKS survey. The first

item, My parents help me with school work, was measured with a 4-item Likert-type scale ranging from: 1 = *Not at all*; 2 = *A little true*; 3 = *Pretty much true*; and 4 = *Very much true*. Higher scores on these items for individuals indicate more perceived support. The second parent support item, My parents come to school to meet the teachers or to attend events, was also measured with the same 4-item Likert-type scale where possible responses included 1 = *Not at all*, 2 = *A little true*, 3 = *Pretty much true*, and 4 = *Very much true*. For both parent support questions, respondents who responded "do not know" were excluded to facilitate multiple regression analysis.

Analysis

SAS version 9.3 was used to run two separate multivariate ordinary least squared (OLS) regression models to examine associations with well-being and depression. Except for demographic variables, all independent and dependent variables were examined for normality. An examination of residuals for normality, independence, and heteroscedasticity revealed no problems needing transformation. Additionally, tests for multicollinearity indicated no significant problems. The independent variables reflect an ecologically based assumption that influences from multiple ecological layers would influence students' mental health (Benbenishty & Astor, 2005; Darling et al., 2003; Drukker, Buka, Kaplan, McKenzie, & Van Os, 2005). Parameter estimates from this model are presented in the Results section.

Results

Mental health for this sample was characterized by well-being and depression. Both scales are self-reported and capture the 30 days prior to filling out the questionnaire. The mean score for well-being was 3.44 of 5 ($SD = .94$); for depression the mean score was 2.28 of 5 ($SD = .88$). Adult support is also self-reported, and three groups of adults are assessed in this article. The mean score for teacher support was 2.95 of 4 ($SD = .76$), and for community adult support the mean was 3.32 of 4 (.85). Students reported a mean score of 2.33 of 4 ($SD = 1.76$) about parents coming to school, and a mean score of 2.2 of 4 ($SD = 1.11$) that their parents help with schoolwork.

Well-Being

The results of the multivariate OLS regressions are presented in Table 2. This model was significant overall, $F(11, 11,727) = 292.43$, $p < .0001$, and explained 21.5% of the variance ($R^2 = .215$) in well-being for students in our sample. Controlling for all other variables, males were positively associated with well-being ($p < .001$). Being in 9th and 11th grades was significantly negatively associated with well-being ($p < .001$). Of the various ethnicities represented in the sample, only Latino students showed a significant, positive association with well-being ($p < .01$). Finally, all of the social support variables

Table 2. Multivariate Results for Model 1: Well-Being.

	<i>b</i>	<i>SE</i>	<i>B</i>
Demographic variables			
Male ^a	0.19***	0.015	0.10
Grade 9 ^b	-0.09***	0.019	-0.045
Grade 11 ^b	-0.09***	0.020	-0.048
Other ^c	0.02	0.029	0.006
African American ^c	0.03	0.047	0.005
Mixed ^c	0.003	0.026	0.001
Latino ^c	0.05**	0.018	0.027
Social support			
Parents help with school work	0.12***	0.008	0.145
Parents come to school	0.08***	0.007	0.101
Teacher support	0.24***	0.011	0.197
Community adult support	0.23***	0.010	0.207
<i>R</i> ²	.215		
<i>F</i>	292.43		

^aFemales are reference category. ^bSeventh-grade students are reference category. ^cWhites are reference category.
p* < .05. *p* < .01. ****p* < .001.

Table 3. Multivariate Results for Model 2: Depression.

	<i>B</i>	<i>SE</i>	<i>B</i>
Demographic variables			
Male ^a	-0.03***	0.003	-0.078
Grade 9 ^b	0.01***	0.004	0.044
Grade 11 ^b	0.02***	0.004	0.070
Other ^c	0.03***	0.006	0.044
African American ^c	-0.0002	0.009	-0.0002
Mixed ^c	0.02**	0.005	0.031
Latino ^c	0.003	0.003	0.010
Social support			
Parents help with school work	-0.01**	0.002	-0.039
Parents come to school	-0.01***	0.001	-0.049
Teacher support	-0.02***	0.002	-0.109
Community adult support	-0.02***	0.002	-0.081
<i>R</i> ²	.053		
<i>F</i>	59.08		

^aFemales are reference category. ^b7th grade students are reference category. ^cWhites are reference category.
p* < .05. *p* < .01. ****p* < .001.

were significant in this model. Parents helping with school work was associated with an increase in well-being (*p* < .001) as was parents coming to school to meet with teachers or attend events (*p* < .001). Teacher support was associated with an increase in well-being (*p* < .001) as was community adult support (*p* < .001).

Depression

The results of the multivariate OLS regressions are presented in Table 3. This model was also significant, *F*(11, 11,691) = 59.08, *p* < .0001, and explained 5.3% (*R*² = .053) of the variance in depression for this sample. Controlling for all other

variables, being male was significantly negatively associated with depression (*p* < .0001). Similar to the results for well-being, being in 9th or 11th grade was significantly positively associated with depression (*p* < .0001 for both). Students reporting Asian American Indian/Pacific Islander/Alaska Native (*p* < .0001) as their race and those reporting mixed race (*p* < .001) were significantly positively associated with depression. Again, all social support variables were significant. Having parents who help with school work was significantly negatively associated with depression (*p* < .001), and having parents who come to school to meet with teachers or for events was also significantly negatively associated with depression (*p* < .0001). Teacher support was significantly negatively associated with depression (*p* < .0001) as was community adult support (*p* < .0001).

Discussion

This study set out to examine how adult relationships in various ecological contexts (home, school, and community) would together influence the mental health of adolescents. Focusing on well-being and depression, our hypothesis was that higher levels of reported social support would result in higher levels of well-being and lower levels of depression. Our findings generally support this hypothesis but also show that the influence of adult support may be more protective for some aspects of mental health than others.

The most important finding in this study is the discrepancy between the variance explained by the social support variables (i.e., parents, teachers, and community adults) for well-being compared to depression. This may indicate that these relationships have a greater potential to bolster and maintain well-being than to alleviate depression. Therefore, continued efforts to strengthen supportive relationship and provide opportunities for their development are important. Scales, Benson, and Roehlkepartain (2011) recently described an emerging area of research focused on “adolescent thriving” rather than risks and challenges. These results offer some support for this endeavor. That adult support explained less variance for depression in this study lends weight to concerns about the presence of mental health issues in schools, including the high prevalence of mental health problems and a significant need for treatment (e.g., Adelman & Taylor, 2006; Lean & Colucci, 2010, 2013). This may also provide a reminder that depression and other mental health concerns require effective and high fidelity treatment in order to properly care for students. Additionally, it is possible that other factors that contribute to adolescent depression are not represented in this study. Further research to understand predictors of depression in adolescents would benefit both our understanding of mental health phenomena and our ability to intervene.

Parent support was significantly positively associated with well-being. Parent support was similarly, negatively associated with depression, indicating that parent support both bolsters well-being and ameliorates depression. This seems to be a confirming finding, as parent support intuitively relates to overall

mental health and highlights the importance of these life-long connections for students. The importance of parenting influences are well established in the literature, including the importance of social support from parents (Sesma et al., 2013; Tatar, 1998; Youngblade et al., 2007). Furstenberg and Hughes (1995) found that emotionally distant relationships with parents were associated with negative outcomes at school.

Teacher support was also found to be associated with both an increase in well-being and a decrease in depression. Similar to parents, this supports the importance of teacher relationships for adolescents and the fact that positive connections can be protective for mental health. This finding supports other studies, which have previously concluded that positive relationships with teachers are an important element of students' mental health (Jennings & Greenberg, 2009; Murray & Greenberg, 2000; Yeung & Leadbeater, 2010; Tatar, 1998). This finding also reflects multiple mentions of students characterizing teachers as important and significant in their lives (Darling et al., 2003; Tatar, 1998).

This study also indicated a positive relationship between community adult support and well-being and a negative association with depression. Like parent and teacher support, this may indicate that relationships with "other" adults are protective for overall mental health, particularly for well-being. The importance of community adult support in this study again adds to prior research indicating the importance of support from adults who represent multiple layers of a student's ecology (Darling et al., 2003; Edwards, Mumford, & Serra-Roldan, 2007; Hamilton & Hamilton, 2004; Scales & Gibbons, 1996; Sesma et al., 2013). This finding may also be important in the context of school climate. While school climate includes relationships with adults and peers (Cohen, McCabe, Michelli, & Pickeral, 2009; De Pedro, 2012), other adults in the community are not necessarily included. These outside relationships may improve mental health outcomes for students in combination with or above school-based influences.

One premise of this study is that adults from multiple ecological layers (i.e. home, school, and community) are collectively important for the mental health of adolescents. Our results indicate that overall, these different adult relationships do have an influence on adolescent mental health. Each of these ecological layers contributed independently to well-being and depression, indicating that the influence of each group is important, perhaps in combination with the overall constellation of supportive relationships.

In the present study, being male was associated with increased well-being. This is consistent with research that girls are more prone to depressive features, especially during adolescence (Kuperminc, Leadbeater, & Blatt, 2001; Steinberg & Morris, 2001). However, Scales and Gibbons (1996) noted that girls were likely to have larger networks of nonparent adult resources and may be closer to those adults than boys.

Compared to students in 7th grade, those in 9th, and 11 grade were associated with less well-being and more depression in this sample. It is possible that the transition to and subsequent demands of high school are significant stressors for

these adolescents; academic and social experiences become more complicated during this time. Some developmental researchers note that depression often increases in adolescents (Cicchetti & Toth, 1998; Steinberg & Morris, 2001). Conversely, others reported that older students have more adult support figures in their lives (Scales & Gibbons, 1996).

The results of this study regarding ethnicity do not lead to clear conclusions. Previous research has found that Latino adolescents have more severe mental health needs (e.g., Umana-Taylor & Updegraff, 2007), and studies often address issues acculturation and discrimination (e.g., Coker et al., 2009). Our results indicated a positive association with well-being for Latino students compared to white students, and a positive association with those students reporting mixed race or Asian/American Indian/Pacific Islander/Alaska Native with depression, indicating potentially worse outcomes for these groups.

There are a few limitations to consider. First, because this study used cross-sectional data, causality cannot be inferred. Second, the independent variables describing parent support available in the data set were qualitatively different than those used for teacher and community adult support. Although using information about the participation of parents is consistent with other studies of student outcomes (Jeynes, 2007; Zellman & Waterman, 1998), it remains that fewer details were available about parent support. Additionally, this study utilized self-report data from student questionnaires. Although the survey used for this study is self-report, prior studies have examined teacher relationships in the context of school climate (De Pedro, Astor, Gilreath, & Benbenishty, 2015). Community adult support and parent support are infrequently, if ever, used in concert with teacher support. Despite this, there is precedent for using these items as a reliable and valid measure. Reports from WestEd dating back to 2003 show that responses about these various categories of support are consistently replicated (see WestEd, 2015 for a range of reports; WestEd Health and Human Development Program, 2009, 2011).

Implications and Future Research

Continued research to strengthen our understanding of student mental health and adult relationships is needed in multiple areas. Future work utilizing longitudinal data or repeated measures would contribute to the understanding of how supportive relationships lead to positive and negative outcomes for youth. This might be particularly important in order to develop a better understanding of specific needs in specific grades. Future studies that could capitalize on consistent measures for all three support groups (i.e., parents, teachers, and adults in the community) would also be useful. It makes sense that these three groups of adults might be important influences for students, and further clarification of distinctive influences might become clear with different data. Additionally, there may be cultural considerations that warrant consideration, especially relating to caregivers at home. It may be that grandparents or other

extended family represent important social support for adolescents in addition or even instead of their parents.

The findings from this study indicate that adult relationships do not influence all aspects of mental health equally. In this sample, adult supportive relationships were more influential on well-being than they were on depression. Cultivation of supportive adult relationships may contribute to the resiliency of students. Social workers in schools and other community-based organizations might consider ways to facilitate or encourage relationships with youth, and even identify youth who lack supportive adult relationships and thus target efforts to facilitate adult relationships or mentors. Despite the fact that there seemed to be less influence on depression in our sample, adult supportive relationships still exerted a positive or protective influence. However, given the high prevalence of mental health issues in schools, and the high need for treatment, social workers and school personnel who suspect depression or other mental health concerns should advocate for assessment and treatment of existing mental health issues.

Authors' Note

This article is dedicated to the life and career of Professor Eileen Gambrill. It was invited and accepted by the Editor.

Declaration of Conflicting Interests

The authors declared no potential conflicts of interest with respect to the research, authorship, and/or publication of this article.

Funding

The authors disclosed receipt of the following financial support for the research, authorship, and/or publication of this article: This work was partially funded by the Department of Defense Education Activity (HE-1254-10-1-0041).

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