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Relationship Quality and Depressive Symptoms Among Adolescents: A Short-Term Multiwave Investigation of Longitudinal, Reciprocal Associations

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Adolescence is marked by an increase in the significance of peer relationships. Peers become increasingly frequent providers of social support and companionship (Furman & Buhrmester, 1992), although parent relationships remain important (Steinberg, 2001). This increase in intimacy and companionship is observed within same-sex friendships as well as other-sex and romantic relationships (Kuttler & La Greca, 2004). The growing importance of peer relationships during adolescence parallels the rise in depression levels. Depression rates increase starting in early adolescence and continue to rise throughout adolescence until they reach rates found among adults (Hankin et al., 1998).

A developmental psychopathology perspective and interpersonal theories of depression emphasize transactional processes between an individual and the social environment. Characteristics and behaviors of depressed individuals elicit problems in their relationships, and in turn these maladaptive relationships lead to the maintenance and exacerbation of depressive symptoms over time (Cicchetti & Schneider-Rosen, 1984; Joiner & Coyne, 1999). Interpersonal theories, which were originally applied to adult depression, provide a foundation for more developmentally based interpersonal models that highlight the way in which continuous transactions between youth and their social environment over time contribute to increases in depression (Rudolph, Flynn, & Abaied, 2008). The quality of peer relationships is one important aspect of adolescents’ social environment. However, little is known about potential bidirectional, transactional associations between poor relationship quality and depressive symptoms over time among adolescents.

Having close relationships with peers is important for adolescent development, yet a dark side of relationships (e.g., conflict, antagonism, criticism) can coexist along with positive aspects of close friendships in adolescence (Berndt, 2004). Close friendships can have significant costs when friendship quality is poor, including internalizing problems, loneliness, and depressive symptoms (Nangle, Erdley, Newman, Mason, & Carpenter, 2003; Rubin, Wojlawowicz, Rose-Krasnor, Booth-LaForce, & Burgess, 2006). Several studies show a concurrent association between poor relationship quality with peers and depressive symptoms among youth (e.g., Borelli & Prinstein, 2006; Brendgen, Vitaro, Turgeon, & Poulin, 2002; Good- dier, Wright, & Altham, 1990; Oldenberg & Kerns, 1997;
between children with high levels of depressive symptoms and both familiar and unfamiliar peers are characterized by increased conflict and negative affect, and decreased collaboration and mutuality, compared to children with low levels of depressive symptoms (Altmann & Gotlib, 1988; Rudolph, Hammen, & Burge, 1994). Moreover, unfamiliar peers interacting with clinically depressed adolescents perceive these individuals to be less interested in establishing a friendship and to be a less desirable potential friend than nondepressed adolescents (Connolly, Geller, Marton, & Kutch, 1992).

Few prospective studies have investigated associations between depressive symptoms and later relationship quality among youth. The research on interpersonal stress generation suggests that depressive symptoms may longitudinally predict increases in interpersonal stressors (Daley et al., 1997; Hankin, Mermelstein, & Roesch, 2007; Rudolph, 2002; Rudolph, Flynn, Aibaied, Groot, & Thompson, 2009). However, interpersonal stressors are broader in scope than measures assessing relationship quality specifically, and the two are not interchangeable.

Only two studies have tested longitudinal associations between relationship quality and depressive symptoms. One study showed that low positive qualities in same-sex friendships did not predict depressive symptoms 11 months later among sixth- to eighth-grade boys and girls who exhibited low excessive reassurance seeking; however, low positive qualities interacted with high excessive reassurance seeking to predict depressive symptoms among girls (Priststein, Borelli, Cheah, Simon, & Aikins, 2005). In the second study, low positive qualities did not predict increases in depressive symptoms, or the onset of a major depressive disorder, 2 years later (Stice, Ragan, & Randall, 2004). However, this study is limited by a girls-only sample and an examination of only positive, but not negative, peer relationship qualities. Thus, no previous study has examined whether both negative and positive relationship qualities as main effects longitudinally predict depressive symptoms among adolescents.

The opposite direction in the transactional association, in which initial depression predicts worsening of relationship quality, is also plausible. Symptoms, behaviors, and characteristics associated with depression may interfere with adaptive interpersonal functioning and over time lead to decreases in the quality of relationships (Gotlib & Hammen, 1992; Rudolph et al., 2008; Windle, 1994). Cross-sectional studies show that depressed youth, compared to nondepressed youth, elicit more negative interactions with peers. For example, observational research shows that social interactions between children with high levels of depressive symptoms and both familiar and unfamiliar peers are characterized by increased conflict and negative affect, and decreased collaboration and mutuality, compared to children with low levels of depressive symptoms (Altmann & Gotlib, 1988; Rudolph, Hammen, & Burge, 1994). Moreover, unfamiliar peers interacting with clinically depressed adolescents perceive these individuals to be less interested in establishing a friendship and to be a less desirable potential friend than nondepressed adolescents (Connolly, Geller, Marton, & Kutch, 1992).

Few prospective studies have investigated associations between depressive symptoms and later relationship quality among youth. The research on interpersonal stress generation suggests that depressive symptoms may longitudinally predict increases in interpersonal stressors (Daley et al., 1997; Hankin, Mermelstein, & Roesch, 2007; Rudolph, 2002; Rudolph, Flynn, Aibaied, Groot, & Thompson, 2009). However, again stress is not equivalent to measures designed to assess relationship quality specifically. Only three studies have examined prospective associations between depressive symptoms and later relationship quality. One study showed that chronic depressive symptoms among youth from third through fifth grade predicted increases in negative qualities among sixth-grade boys but not girls (Rudolph, Ladd, & Dinella, 2007). Prinstein et al. (2005) found that depressive symptoms were associated with self-reported negative qualities 11 months later for both boys and girls in sixth to eighth grade. Last, both clinical depression and depressive symptoms predicted decreases in positive relationship qualities 2 years later in sample of female adolescents (Stice et al., 2004). Thus, there is support for the longitudinal association between initial depression and later poor relationship quality among adolescents, but little is known about whether this finding applies to both male and female adolescents.

In sum, there is a concurrent link between depressive symptoms and peer relationship quality, but few longitudinal studies have examined potential bidirectional and transactional associations. It is unknown whether relationship quality predicts depressive symptoms, depressive symptoms predict relationship quality, or if these associations are concurrent only. The purpose of the current study was to test a developmentally based interpersonal model of depression in which there are transactions between depressed youth and relationship quality over time and these transactions for boys and girls.

**METHOD**

Participants

Participants were part of a short-term longitudinal study of youth who were recruited from five Chicago area
schools. There were 467 students in the appropriate grades (6th–10th) on the day in which research personnel first visited the schools, and all students were invited to participate. Parents of 390 youth (83.5%) provided active consent; all 390 youth were willing to participate and assented to be in the study. There were 356 youth (91%) who completed the baseline questionnaire. The 34 students who were willing to participate but did not complete the baseline visit were sick or absent from school and were unable to reschedule. For this study, we examined data from 350 youth who provided complete data at baseline. Rates of participation varied slightly at each follow-up assessment: Time 2 (T2; N = 303; 86%) and Time 3 (T3; N = 308; 88%). Attrition analyses showed that youth who participated at baseline but not at other time points were not significantly different on demographic characteristics (i.e., age, gender, ethnicity, or any initial symptom or relationship quality scores) compared to those participants who were present at all time points. Missing data were imputed using Expectation Maximization procedures. The age range at baseline was 11 to 17 years (M = 14.5; Mdn = 15, SD = 1.40); 9% were in 6th grade, 9% in 7th grade, 9% in 8th grade, 27% in 9th grade, and 46% in 10th grade. There were 57% female; 53% were White, 21% were African American, 13% were Latino, 6% were Asian or Pacific Islander, and 7% were biracial or multiracial. The rationale for studying 6th to 10th graders is that this is when depressive symptoms increase and youth begin to place increasing emphasis on peer relationships. Thus, this may be an optimal age window for studying longitudinal relations among relationship quality and depressive symptoms.

Procedures

Permission to conduct this investigation was provided by the school districts and their Institutional Review Boards, school principals, the individual classroom teachers, and university Institutional Review Board. Graduate students in clinical psychology and one college graduate in psychology visited classrooms in the schools and briefly described the study to youth. Letters describing the study were sent home to parents. Students who agreed to participate returned active parental consent and signed their own informed assent form after having the opportunity to ask any questions about the study. Youth completed a battery of questionnaires during class time. They were debriefed at the end of the study. Youth completed questionnaires at three time points with approximately 5 weeks in between each time point. The assessments in this study took place during a single academic year, and there was no obvious developmental transition (e.g., change of grade) for most youth. Youth were compensated $10 for their participation at each wave of the study.

**Measures**

*Children’s Depression Inventory (CDI; Kovacs, 1992).* The CDI is a self-report measure that assesses depressive symptoms in children and adolescents using 27 items. Each item is rated on a scale from 0 to 2, with the total score ranging from 0 to 54. The CDI has been shown to have good reliability (test–retest and internal consistency) and good convergent validity in youth (Klein, Dougherty, & Olino, 2005; Smucker, Craighead, Craighead, & Green, 1986). Studies investigating discriminant validity show that the CDI is moderately correlated with anxiety measures, suggesting that the CDI may be tapping into nonspecific negative affect (Klein et al., 2005). Internal consistency in this sample was α = .90 at Time 1, α = .91 at Time 2, and α = .91 at Time 3. Test–retest reliability was also high in this sample (see Table 1).

**Network of Relationships Inventory (NRI, Furman & Burhmester, 1985).** The original NRI is a 30-item

<p>| TABLE 1 | Means, Standard Deviations and Correlations Among Primary Variables |</p>
<table>
<thead>
<tr>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Depressive Symptoms T1</td>
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<td>—</td>
<td>—</td>
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<tr>
<td>2. Negative Qualities T1</td>
<td>.16**</td>
<td>—</td>
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<td>—</td>
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<td>3. Positive Qualities T1</td>
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<tr>
<td>4. Depressive Symptoms T2</td>
<td>.74**</td>
<td>.13*</td>
<td>.04</td>
<td>—</td>
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<td>—</td>
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<td>—</td>
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<tr>
<td>5. Negative Qualities T2</td>
<td>.26**</td>
<td>.23**</td>
<td>.04</td>
<td>.34**</td>
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<td>6. Positive Qualities T2</td>
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<td>7. Depressive Symptoms T3</td>
<td>.67**</td>
<td>.15**</td>
<td>.01</td>
<td>.69**</td>
<td>.20**</td>
<td>.11*</td>
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<td>8. Negative Qualities T3</td>
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<td>.18**</td>
<td>.01</td>
<td>.24**</td>
<td>.32*</td>
<td>.01</td>
<td>.36*</td>
<td>—</td>
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<tr>
<td>9. Positive Qualities T3</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
<td>—</td>
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<tr>
<td>M</td>
<td>12.81</td>
<td>5.36</td>
<td>9.12</td>
<td>12.05</td>
<td>5.11</td>
<td>8.92</td>
<td>12.26</td>
<td>5.26</td>
</tr>
<tr>
<td>SD</td>
<td>8.64</td>
<td>1.29</td>
<td>2.25</td>
<td>9.19</td>
<td>1.03</td>
<td>1.59</td>
<td>9.28</td>
<td>.97</td>
</tr>
</tbody>
</table>

*p ≤ .05, **p ≤ .01.
self-report measure that assesses relationship quality in children and adolescents. A 13-item short form was used in the present study (Furman & Buhrmester, 2009; Lee, Hankin, & Mermelstein, 2010). Participants responded to all 13 items for several different types of relationships and answered questions about only one person for each relationship type. For this study, only responses for same-sex friend, other-sex friend, and romantic partner were used. The NRI has a factor structure of two factors for each relationship: positive and negative relationship quality (Furman, 1996). Internal reliability for the positive relationship quality factor in this sample was $\alpha = .84$ at Time 1, $\alpha = .82$ at Time 2, and $\alpha = .82$ at Time 3. Internal reliability for the negative relationship quality factor was $\alpha = .86$, .84, and .84, at Time 1, Time 2, and Time 3 respectively. The short form has 7 items assessing positive qualities (e.g., “How much do you play around and have fun with this person?” “How much does this person help you figure out or fix things?”) and 6 items assessing negative qualities (e.g., “How much do you and this person disagree and quarrel?” “How much do you and this person get upset with or mad at each other?”). Responses for each item are on a 5-point scale (little to none, somewhat, very much, extremely much, and the most). Items comprising the positive qualities factor were averaged for each relationship type, as were the items comprising the negative qualities factor. When testing cross-lagged models in SEM, it is best to compare competing models to test several assumptions about the directions of effects (Anderson, 1987). We compared each full cross-lagged model to two other models in a series of steps to determine whether the inclusion of bidirectional cross-lagged effects resulted in a significant improvement in the model above and beyond concurrent associations, construct stability, and unidirectional cross-lagged effects (see Figure 1).

RESULTS

Descriptive statistics and correlations of the main variables are presented in Table 1. Crossed-lagged effects structural equation models (SEM) using AMOS 16.0 (Arbuckle, 2007) were used to test transactional associations between depressive symptoms and relationship quality over time. Separate models were fitted for negative qualities and positive qualities of relationships. When testing cross-lagged models in SEM, it is best to compare competing models to test several assumptions about the directions of effects (Anderson, 1987). We compared each full cross-lagged model to two other models in a series of steps to determine whether the inclusion of bidirectional cross-lagged effects resulted in a significant improvement in the model above and beyond concurrent associations, construct stability, and unidirectional cross-lagged effects (see Figure 1).

First, we fitted a baseline model including only autoregressive effects and stability paths for the CDI and NRI. No cross-lagged paths were included in this baseline model. Errors were allowed to covary for measures occurring at the same time point. Second, we compared a unidirectional model, with paths from CDI to NRI, to the baseline model. Finally, we compared the full bidirectional model, including paths from NRI to CDI, to the unidirectional model. Chi-square difference tests were used to compare competing models. A multigroup comparison approach was used to test whether the best-fitting model for each aspect of relationship quality (positive and negative) was moderated by age or gender. A median split was used to create groups to test age as a moderator. For these multigroup analyses, we compared a model in which all paths were freed across groups (the unconstrained model) to the constrained model in which cross-lagged paths were constrained across groups. Chi-square difference tests revealed that neither age nor gender moderated associations for either model. Therefore, the following analyses are presented for the overall sample.

Table 2 shows fit statistics for these models. To determine whether the autoregressive paths should be constrained or allowed to vary for the negative qualities model, CDI and NRI paths from T1 to T2 and from T2 to T3 were constrained and compared to an unconstrained model. The model in which autoregressive paths were constrained provided a much worse fit to the data than the unconstrained model, $\Delta \chi^2(2) = 32.70$, $p < .001$. However, there was no significant difference between a model in which only NRI autoregressive paths were constrained and an unconstrained model, $\Delta \chi^2(1) = 3.06$, $p = .08$, suggesting that the NRI autoregressive paths were consistent across waves. Thus, only NRI autoregressive paths were constrained for baseline and all subsequent models. As Table 2 shows, the
unidirectional model fit significantly better than the baseline model, \( \Delta \chi^2(2) = 27.65, p < .001 \). However, the bidirectional model did not significantly fit better than the unidirectional model, \( \Delta \chi^2(2) = 2.17, p = .34 \). Thus, the unidirectional model with paths from CDI to NRI was the most parsimonious model. These unidirectional paths from CDI to later NRI were consistent across time as a constrained unidirectional path model did not differ from an unconstrained model, \( \Delta \chi^2(1) = 1.61, p = .20 \). Table 3 shows the final model with positive and significant unidirectional paths from CDI to NRI.

We used the same sequence of steps to determine the best model for positive relationship qualities. Table 2 shows fit statistics for primary models. The model in which autoregressive paths were constrained provided a much worse fit to the data than the unconstrained model, \( \Delta \chi^2(2) = 41.17, p < .001 \). Therefore, all autoregressive paths were allowed to vary for baseline and all subsequent models. Table 2 shows that the unidirectional model fit significantly better than the baseline model, \( \Delta \chi^2(2) = 15.51, p < .001 \). The bidirectional model for positive qualities did not provide a significantly better fit than the unidirectional model, \( \Delta \chi^2(2) = .01, p > .99 \), again suggesting that the unidirectional model is the most parsimonious model. The unidirectional paths were consistent across waves as the chi-square for the unconstrained model and a model in which unidirectional paths from CDI to NRI were not significantly different, \( \Delta \chi^2(1) = .20, p = .65 \). Table 3 shows that the path coefficients from CDI to NRI positive qualities were negative and significant.

### DISCUSSION

The few prior studies investigating relations between adolescent peer relationships and depressive symptoms were generally limited by cross-sectional designs (e.g., La Greca & Harrison, 2005), gender specific samples (e.g., girls only; Stice et al., 2004), or imprecise measures of relationship quality (e.g., measures of interpersonal stress; Hankin et al., 2007). As a result, knowledge of longitudinal associations between relationship quality and depressive symptoms during adolescence has been lacking. Results from this study show that depressive symptoms prospectively predict decreases in relationship quality with peers. Specifically, depressive symptoms predicted both increases in negative qualities and decreases in positive qualities over time in this multi-wave prospective design. However, poor relationship quality, whether low positive qualities or high negative qualities, did not predict prospective changes in depressive symptoms. These findings advance knowledge on the longitudinal direction of effects between depressive symptoms and relationship quality.

The results showing that depressive symptoms were associated with poor relationship quality over time

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### TABLE 2

<table>
<thead>
<tr>
<th>Model</th>
<th>( \chi^2 )</th>
<th>DF</th>
<th>CFI</th>
<th>RMSEA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline Model (Unconstrained)</td>
<td>30.13**</td>
<td>6</td>
<td>.97</td>
<td>.11</td>
</tr>
<tr>
<td>Baseline Model (Constrained)</td>
<td>33.19**</td>
<td>7</td>
<td>.96</td>
<td>.10</td>
</tr>
<tr>
<td>Unidirectional Model (Unconstrained)</td>
<td>5.54</td>
<td>5</td>
<td>1.00</td>
<td>.02</td>
</tr>
<tr>
<td>Bidirectional Model</td>
<td>3.37</td>
<td>3</td>
<td>1.00</td>
<td>.02</td>
</tr>
<tr>
<td>Final Model – Unidirectional</td>
<td>7.15</td>
<td>6</td>
<td>.99</td>
<td>.02</td>
</tr>
</tbody>
</table>

Note: CFI = comparative fit index; RMSEA = root mean square error of approximation.

*p ≤ .05, ***p ≤ .001.

---

### TABLE 3

<table>
<thead>
<tr>
<th>Paths</th>
<th>Negative Qualities</th>
<th>Positive Qualities</th>
</tr>
</thead>
<tbody>
<tr>
<td>Autoregressive and Stability Paths</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDI: Time 1 to Time 2</td>
<td>.74***</td>
<td>.74***</td>
</tr>
<tr>
<td>CDI: Time 2 to Time 3</td>
<td>.43***</td>
<td>.44***</td>
</tr>
<tr>
<td>CDI: Time 1 to Time 3</td>
<td>.36***</td>
<td>.34***</td>
</tr>
<tr>
<td>NRI: Time 1 to Time 2</td>
<td>.24**</td>
<td>.28**</td>
</tr>
<tr>
<td>NRI: Time 2 to Time 3</td>
<td>.20***</td>
<td>.38**</td>
</tr>
<tr>
<td>NRI: Time 1 to Time 3</td>
<td>.10*</td>
<td>.03</td>
</tr>
<tr>
<td>Unidirectional Cross-Lagged Paths</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CDI Time 1 to NRI Time 2</td>
<td>.18b***</td>
<td>-.13***</td>
</tr>
<tr>
<td>CDI Time 2 to NRI Time 3</td>
<td>.20***</td>
<td>-.14***</td>
</tr>
</tbody>
</table>

Note: Superscripts indicate paths were constrained. NRI = Network of Relationships Inventory; CDI = Children’s Depression Inventory.

*p ≤ 05. ***p ≤ .001.
was a robust finding that was observed at all time points as well as for both negative and positive relationship qualities. Furthermore, this finding held for both boys and girls, as well as for both early and middle adolescents. These results are consistent with prior research and theory proposing that characteristics and behaviors associated with depression disrupt interpersonal functioning (Gotlib & Hammen, 1992; Joiner & Coyne 1999; Rudolph et al., 2008). The findings specifically suggest that depressive symptoms interfere with the formation of high-quality peer relationships, such that dysphoric adolescents’ relationships have fewer positive aspects (e.g., intimacy, support) and more negative aspects (e.g., conflict and antagonism). Rudolph et al. (2007) found that depressive symptoms predicted poor relationship quality for girls, but not boys, among third to sixth graders. It is possible that among older adolescents, depressive symptoms are just as disruptive for establishing good quality relationships for boys and girls because peers grow in importance for both genders during adolescence (Buhrmester, 1990).

Findings from this study also consistently indicated that poor relationship quality alone did not predict increases in depressive symptoms. Two other studies have also shown that a lack of positive qualities is not associated with increases in depressive symptoms among adolescents (Prinstein et al., 2005; Stice et al., 2004). This study is the first to also suggest that negative qualities do not predict depressive symptoms. However, poor relationship qualities can predict increases in depressive symptoms when moderated by other risk factors. For example, Prinstein and colleagues (2005) showed that low positive qualities interacted with excessive reassurance seeking to predict increases in depressive symptoms. Given the consistent lack of support for the main effect of poor relationship quality predicting future depressive symptoms, greater traction in understanding ontogeny of adolescent depression is likely with future research focusing on risk factors moderating the association between relationship quality and later depression as well as the mechanisms through which relationship quality may amplify the effects of these vulnerabilities.

Despite several strengths (e.g., multiwave design, examination of both positive and negative relationship qualities), future research is needed to address limitations. First, self-report methods assessed depressive symptoms and relationship quality, and the mono-method, mono-informant design can inflate associations. Future studies should investigate hypotheses with peer-reports of relationship quality and observational methods. Second, the CDI was originally developed to assess depressive symptoms in youth and is the most commonly used measure of youth depression (Klein et al., 2005). However, it correlates moderately with general anxiety symptoms and it may be a better measure of broad negative affect rather than depressive symptoms per se (Klein et al., 2005). Broad negative affect underlies both depression and anxiety (Clark & Watson, 1991). An informative question for future research is to determine whether depressive symptoms as opposed to broad negative affect are specifically harmful to relationship quality. Third, we only examined broad factors of positive and negative relationship qualities using a short form of the NRI. It would be interesting to examine whether associations vary with different scales on these factors, such as conflict, criticism, intimacy, and support. Relatedly, the NRI used in this study measured quality of peer relationships (same-sex, opposite-sex, romantic) and did not assess how much youth valued each type of relationship or whether adolescents were currently in romantic relationships or platonic friendships. Fourth, future research should explore different time prospective follow-up intervals as it is unknown what the optimal time is for studying longitudinal associations between relationship quality and depressive symptoms. Short time frames, such as used in this study, may be ideal to capture effects and reduce recall problems or memory bias, but it is possible that poor relationship quality only predicts depressive symptoms over longer periods. Finally, effect sizes were relatively small, although this may be reasonable given that we controlled for stability in both depressive symptoms and relationship quality over time. Still, larger effects may be observed if these limitations are improved.

Implications for Research, Policy, and Practice

These findings have potential clinical implications for the assessment, prevention, and treatment of depression among adolescents. Mental health professionals should be aware that behaviors, characteristics, and symptoms associated with depressive symptoms can interfere with the formation of high-quality peer relationships. Use of empirically supported interventions, such as manualized cognitive-behavioral treatments for youth that include a social skills component (e.g., Stark, 1990), or treatments that exclusively target interpersonal issues such as Interpersonal Psychotherapy (Mufson, Dorta, Moreau, & Weissman, 2004), may be particularly effective when treating adolescent depression. This study also showed how depressive symptoms were associated with the quality of a combination of several different types of peer relationships (same-sex friendships, other-sex friendships, and romantic relationships), which suggests that it will be important to consider the role of interpersonal functioning not only in platonic friendships but also in romantic relationships. Finally, clinical interventions for adolescent depression will benefit from future
research that thoroughly explores mediating mechanisms that can account for the associations between depressive symptoms and later decreases in relationship quality. For example, depressive symptoms, such as anhedonia, irritability, and negative affect, might lead to social withdrawal or generate more stress in relationships, which in turn may lead to decreases in relationship quality over time. In conclusion, findings from this study are an important step toward understanding and alleviating the effects of depression during the adolescent period.

REFERENCES


