

When Low Self-Esteem Encourages Behaviors That Risk Rejection to Increase Interdependence: The Role of Relational Self-Construal

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Increasing interdependence in an intimate relationship requires engaging in behaviors that risk rejection, such as expressing affection and asking for support. Who takes such risks and who avoids them? Although several theoretical perspectives suggest that self-esteem plays a crucial role in shaping such behaviors, they can be used to make competing predictions regarding the direction of this effect. Six studies reconcile these contrasting predictions by demonstrating that the effects of self-esteem on behaviors that risk rejection to increase interdependence depend on relational self-construal—that is, the extent to which people define themselves by their close relationships. In Studies 1 and 2, participants were given the opportunity to disclose negative personal information (Study 1) and feelings of intimacy (Study 2) to their dating partners. In Study 3, married couples reported the extent to which they confided in one another. In Study 4, we manipulated self-esteem and relational self-construal, and participants reported their willingness to engage in behaviors that increase interdependence. In Studies 5 and 6, we manipulated the salience of interpersonal risk, and participants reported their willingness to engage in behaviors that risk rejection to increase interdependence. In all 6 studies, self-esteem was positively associated with behaviors that can increase interdependence among people low in relational self-construal but negatively associated with those behaviors among people high in relational self-construal. Accordingly, theoretical descriptions of the role of self-esteem in relationships will be most complete to the extent that they consider the degree to which people define themselves by their close relationships.

Keywords: self-esteem, relational self-construal, interdependence, intimacy, romantic relationships

Developing and maintaining intimacy in a close relationship requires engaging in behaviors that increase interdependence. For example, partners in close relationships regularly disclose their intimate thoughts and feelings to one another, express affection for one another, request and provide support to one another, and forgive one another. Indeed, engaging in such behaviors tends to increase the closeness, intimacy, and satisfaction that intimates feel in their relationships (e.g., Collins, & Miller, 1994; Laurenceau, Barrett, & Pietromonaco, 1998; Pasch & Bradbury, 1998; Reis & Shaver, 1988; Tsang, McCullough, & Fincham, 2006).

Nevertheless, there is a risky side to these behaviors—they provide the partner with an opportunity to behave in an undesirable or rejecting manner. For example, partners may be critical of self-disclosures, not reciprocate expressions of affection, ignore requests for support, and continue to transgress after being forgiven. These responses can be quite painful, leaving intimates feeling hurt and unsatisfied (e.g., Gable, Reis, Impett, & Asher, 2004; Luchies, Finkel, McNulty, & Kumashiro, 2010; Maisel &

Gable, 2009). Consequently, many behaviors that increase interdependence present individuals with a dilemma—the need to choose between risking rejection by engaging in these behaviors to meet their connection goals and risking a less fulfilling relationship by avoiding these behaviors to meet their self-protection goals.

Who takes the risks necessary to increase interdependence in their relationships and who avoids them? Various theoretical perspectives suggest that self-esteem plays a crucial role in shaping such behaviors. However, these perspectives can be used to make competing predictions regarding the direction of this influence. The overarching goal of the current research is to reconcile these contrasting predictions by considering individuals' levels of relational self-construal—i.e., the extent to which they define themselves by their close relationships (Cross, Bacon, & Morris, 2000). To this end, the remainder of this introduction is organized into four sections. The first section reviews theoretical and empirical work that suggests low self-esteem individuals (LSEs) should be more motivated than high self-esteem individuals (HSEs) to *avoid* behaviors that risk rejection to increase interdependence. The second section, in contrast, reviews theoretical and empirical work that can be used to argue that LSEs should be more motivated than HSEs to *engage in* behaviors that risk rejection to increase interdependence. The third section attempts to reconcile these two perspectives by describing theoretical and empirical evidence consistent with the possibility that whether self-esteem promotes or

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undermines behaviors that risk rejection to increase interdependence depends on individuals' levels of relational self-construal. Finally, the fourth section describes two observational studies of dating couples, one survey study of newlyweds, and three experimental studies of individuals in dating relationships that tested this possibility.

Low Self-Esteem May Discourage Behaviors That Increase Interdependence

Murray and colleagues' (2006) risk-regulation model provides one perspective for considering the role of self-esteem in individuals' decisions to engage in or avoid behaviors that risk rejection to increase interdependence. According to that model, whether people engage in or avoid behaviors that can increase interdependence depends on their appraisal of the likelihood that those behaviors will result in rejection; people protect themselves from the emotional pain of rejection by engaging in behaviors that increase interdependence when rejection appears relatively unlikely and avoiding such behaviors when rejection seems relatively likely. With respect to self-esteem, the risk-regulation model specifically posits that LSEs should be more likely than HSEs to expect rejection from their partners and thus be more motivated than HSEs to prioritize their self-protection goals over their connection goals by avoiding behaviors that risk rejection to increase interdependence (see, Murray, Holmes, & Collins, 2006; Murray, Holmes, MacDonald, & Ellsworth, 1998).

Existing research provides support for both ideas (e.g., Baldwin & Sinclair, 1996; Bellavia & Murray, 2003; Cavallo, Fitzsimons, & Holmes, 2009; Gaucher, et al., in press; Leary, Tambor, Terdal, & Downs, 1995; Murray, Holmes, & Griffin, 2000; Murray, Holmes, Griffin, Bellavia, & Rose, 2001; Murray et al., 1998; Murray, Leder, et al., 2009; Murray, Rose, Bellavia, Holmes, & Kusche, 2002; Murray et al., 2005). Regarding the idea that LSEs are more likely to anticipate rejection, Leary and colleagues (1995, Study 5) demonstrated that LSEs reported feeling more excluded than did HSEs. Likewise, Bellavia and Murray (2003) demonstrated that LSEs were more likely than HSEs to report feeling rejected when they imagined their romantic partner was in bad mood for an unknown reason. Regarding the idea that LSEs should be more likely than HSEs to avoid behaviors that risk rejection to increase interdependence, Murray, Leder, et al. (2009) demonstrated that, compared to HSEs, LSEs made fewer efforts to (a) increase their partner's investment in the relationship and (b) satisfy their partner's needs when rejection was salient. Similarly, Gaucher and colleagues (in press) demonstrated that LSEs were less likely than HSEs to disclose their true feelings to a friend, unless they were led to feel secure in that friend's regard, suggesting that LSEs' expectations of rejection motivate them to avoid behaviors that risk rejection to promote interdependence.

Low Self-Esteem May Encourage Behaviors That Increase Interdependence

Yet, another theoretical perspective can be used to argue that LSEs may be more motivated than HSEs to engage in behaviors that increase interdependence. According to Leary and colleagues' sociometer theory (e.g., Leary et al., 1995), the function of self-esteem is to help people monitor their relational value. Whereas

high self-esteem indicates that one has been accepted and will likely continue to be accepted by others, low self-esteem indicates that one's social standing is in jeopardy. In this way, sociometer theory is similar to the risk-regulation model—both theories suggest LSEs should be more likely to anticipate rejection. Nevertheless, sociometer theory differs from the risk-regulation model in that, whereas the risk-regulation model emphasizes the implications of low self-esteem for individuals' self-protection goals, sociometer theory emphasizes the implications of low self-esteem for individuals' connection goals. Specifically, sociometer theory states that, given individuals' basic need for connection (Baumeister & Leary, 1995), the negative emotions that result from anticipating rejection "motivate behaviors that help to maintain or enhance one's relational value" (Leary & MacDonald, 2003, p. 402). Given that LSEs are more likely to anticipate rejection than are HSEs, LSEs may thus be more motivated than HSEs to engage in behaviors that increase interdependence.

Several lines of research provide support for this possibility (Heaven, 1986; Janis, 1954; Murray, Aloni, et al., 2009; Romer, 1981; Santee & Maslach, 1982; Wolfe, Lennox, & Cutler, 1986). For example, several studies (e.g., Heaven, 1986; Janis, 1954; Murray, Aloni, et al., 2009; Romer, 1981; Wolfe, Lennox, & Cutler, 1986) demonstrate that LSEs are more likely to conform to social norms than are HSEs. Likewise, compared to HSEs, LSEs report being less likely to express disagreement with others (Santee & Maslach, 1982). Finally, LSEs are more likely to respond to exchange norms by engaging in behaviors that increase interdependence, such as making themselves indispensable to their partners and narrowing their partner's social networks (Murray, Aloni, et al., 2009).

The Moderating Role of Relational Self-Construal

Nevertheless, although sociometer theory posits that LSEs should be more motivated than HSEs to engage in behaviors that increase their relational value, research has yet to demonstrate that they will actually engage in behaviors that risk rejection to meet this goal. In fact, the growing body of research in support of the risk-regulation model suggests otherwise. Yet, that work has ignored an important individual difference variable that may be crucial to understanding whether LSEs will prioritize the self-protection goals emphasized by the risk-regulation model or the goal to increase their relational value emphasized by sociometer theory. Specifically, people vary in the extent to which they define themselves by their close relationships, an individual difference known as relational self-construal (Cross et al., 2000). Whereas people who are low in relational self-construal tend to define themselves by their independent qualities, people who are high in relational self-construal tend to define themselves by their close relationships. Not surprisingly, people who are high in relational self-construal tend to place more value on connection and interdependence than do individuals low in relational self-construal (see Gore, Cross, & Morris, 2006). Accordingly, whether LSEs prioritize their self-protection goals or their goal to increase their relational value may depend on their levels of relational self-construal.

An expectancy-value approach (e.g., Atkinson, 1957; Feather, 1982) can help elucidate this potential interaction. According to expectancy-value theory, people decide whether or not to engage

in a particular behavior by considering not only the likelihood that the behavior will produce a particular outcome but also the value they place on that outcome. Accordingly, intimates should decide whether or not to engage in behaviors that can increase interdependence by considering not only their perceptions of the likelihood that such behaviors will lead to acceptance versus rejection, which is partially determined by self-esteem, but also the value they place on interdependence, which should be partially determined by relational self-construal (for a similar discussion, see Anthony, Wood, & Holmes, 2007). Specifically, given that LSEs who are relatively low in relational self-construal should place a relatively lower value on increasing their relational value than LSEs who are higher in relational self-construal, they should prioritize their self-protection goals over their connection goals. Given that those self-protection goals should be stronger than the self-protection goals of equivalent HSEs, as suggested by the risk-regulation model, LSEs who are low in relational self-construal should be less likely than equivalent HSEs to engage in behaviors that risk rejection to increase interdependence. But given that LSEs who are high in relational self-construal should place a relatively higher value on increasing their relational value than LSEs who are lower in relational self-construal, they may prioritize that goal over their self-protection goals. Given that this relationship-enhancing goal should be stronger than that of equivalent HSEs, as suggested by sociometer theory, LSEs who are high in relational self-construal should be more likely than equivalent HSEs to engage in behaviors that increase interdependence—even if they risk rejection. Put another way, the risk regulation model posits that LSEs have stronger self-protection goals than HSEs, sociometer theory can be used to argue that LSEs also have stronger goals to increase their relational value than HSEs, and relational self-construal should function to determine which of these goals gets prioritized and thus whether LSEs are more or less likely than HSEs to engage in behaviors that risk rejection to increase interdependence.

Some empirical evidence is consistent with this predicted interaction. For example, people diagnosed with dependent personality disorder tend to have low self-esteem (Overholser, 1992) and tend to consider their close relationships to be very important—that is, may have high relational self-construal (Pincus & Gurtman, 1995). Consistent with the idea that this combination of low self-esteem and high relational self-construal should predict a greater likelihood of engaging in behaviors that increase intimacy, individuals with dependent personality disorder often engage in behaviors intended to increase intimacy (American Psychiatric Association, 2000), such as complying with requests (e.g., Lowe, Edmundson, & Widiger, 2009), asking for assistance (Shilkret & Masling, 1981), seeking more physical contact with a partner (Hollender, Luborsky, & Harvey, 1970; Sroufe, Fox, & Pancake, 1983), and avoiding physical distance with a partner (Birtchnell, 1988). Similarly, research on Lee's (1973) love styles demonstrates that individuals high in mania, the love style characterized by an intense preoccupation with relationships—that is, high relational self-construal, also tend to have low self-esteem (Mallandain & Davies, 1994) and, compared to individuals low in mania, report investing more in their relationships (Morrow, Clark, & Brock, 1995) and feeling more emotionally dependent on their partners (Langhinrichsen-Rohling, Palarea, Cohen, & Rohling, 2000). Fi-

nally, research on ostracism (e.g., Williams & Sommer, 1997) demonstrates that women, who tend to be relatively higher than men in relational self-construal (Cross & Madson, 1997), respond to threats to self-esteem by cooperating, whereas men, who tend to be relatively lower in relational self-construal than women, respond to threats to self-esteem by withdrawing.

Nevertheless, these findings provide only indirect support for the role of relational self-construal in moderating the link between self-esteem and behaviors that risk rejection to increase interdependence. Although the people in these studies had traits that tend to be correlated with self-esteem and relational self-construal, none of the studies actually measured self-esteem or relational self-construal, and many of the behaviors examined (e.g., cooperation) do not necessarily risk rejection. Thus, it remains unclear whether relational self-construal actually moderates the effects of self-esteem on the emotionally risky behaviors required to promote interdependence in a close relationship.

Overview of the Current Studies

We conducted six studies to test this possibility. In the first three studies, we assessed participants' self-esteem, relational self-construal, and their willingness to engage in behaviors that risk rejection to increase interdependence in their relationships. We operationalized such behaviors differently across those three studies. In Study 1, we observed whether or not participants in dating relationships chose to disclose their weaknesses to their partners. In Study 2, we observed whether or not participants in dating relationships chose to disclose to their partner high levels of affection that we led them to believe they felt for their partner. In Study 3, married couples reported on their naturally occurring tendencies to confide in one another. In the last three studies, we used experimental methods to rule out alternative explanations and ensure the effects that emerged in the first three studies replicated under conditions of risk. In Study 4, we crossed manipulations of self-esteem and relational self-construal and subsequently assessed participants' resultant desires to engage in behaviors that risk rejection to increase interdependence in their relationships. In Studies 5 and 6, we assessed participants' self-esteem and relational self-construal, manipulated the salience of rejection, and subsequently assessed participants' willingness to engage in behaviors that risk rejection to increase interdependence. In all studies, we predicted that the effects of low self-esteem on behaviors that risk rejection to increase interdependence would depend on relational self-construal, such that low self-esteem would be negatively associated with the likelihood of engaging in these behaviors among individuals low in relational self-construal but positively associated with the likelihood of engaging in these behaviors among individuals high in relational self-construal. In other words, we expected relational self-construal to function to increase the probability that LSEs will engage in behaviors that risk rejection to increase interdependence. Given these predictions were driven by the expectation that relational self-construal determines whether LSEs prioritize their relatively high self-protection goals or their relatively high goal to increase their relational value, we did not expect relational self-construal to be associated with such behaviors among HSEs.

Study 1

Study 1 was a laboratory study of dating couples. First, participants were separated and reported on their self-esteem and relational self-construal. Next, in an ostensibly unrelated study, they were (a) told that they would take a personality test and be given feedback about the negative aspects of their personality, (b) told that sharing such information with a partner is beneficial for relationships, and then (c) asked if they wanted to share the feedback with their partner. We chose to have intimates disclose negative aspects of their personality because intimates frequently perceive that such disclosures are risky (Nelson-Jones & Strong, 1976), yet disclosures of vulnerabilities often increase intimacy in close relationships (Rubin, Hill, Peplau, & Dunkel-Schetter, 1980). Based on our theoretical analysis, we predicted that intimates' levels of relational self-construal would moderate the association between their self-esteem and whether or not they disclosed the information to their partners. Specifically, we predicted that low self-esteem would be associated with a lower likelihood of disclosure among those low in relational self-construal but a higher likelihood of disclosure among those high in relational self-construal, and that relational self-construal would increase the probability of disclosure among LSEs, but not HSEs.

Method

Participants. Participants were 61 undergraduate dating couples at a large university in the southeastern United States. Seven individuals were removed from analyses because they identified that their decision to disclose information was the outcome variable.¹ The remaining 113 participants had a mean age of 18.64 years ($SD = 3.61$). All participants had been involved in the romantic relationship for at least 3 months ($M = 15.71$, $SD = 13.73$). One hundred (90%) identified as White or Caucasian, three (3%) identified as Black or African American, two (2%) identified as Asian American, two (2%) identified as Hispanic or Latino(a), one (1%) identified as American Indian, and five (5%) identified as another race/ethnicity or as two or more races/ethnicities.

Procedure. Primary participants received partial course credit for participating with their romantic partner. Upon arriving at the laboratory, members of the couple were split into two rooms where they gave informed consent and remained for the entire session. All participants were told that they would be participating in two different studies. They were then told that the first study involved filling out several questionnaires and were then left alone to complete the questionnaires (described in the next section). After completing the questionnaires, participants were told that the first study was over, that the goal of that study had been to examine partner similarity and relationship satisfaction, and that this goal was the reason they had been instructed to bring their partner. Participants were informed that the purpose of the second study did not involve romantic relationships and that their partners would be completing a different task. All participants were then told that the goal of the second study was to examine how people respond to negative feedback and thus they would be taking a personality test and would be given feedback about their personality flaws. Offhandedly, the researcher told participants that sharing information about personality flaws tends to benefit close relationships and that the researcher could provide their partner with a summary of their personality flaws if they signed a release

form. Whether or not participants signed the form served as the dependent variable. To reduce the chance that participants would sign the form due to various social pressures, (a) participants were told that their partners would not know of participants' option to provide the information if they decided not to reveal it, and (b) the experimenter left the room before participants had the opportunity to sign the form. After 5 min, the experimenter reentered the room, recorded whether or not participants signed the release form, informed them that the study was over, debriefed them, probed for suspicion, and then thanked them for participating.

Measures.

Self-esteem. Self-esteem was assessed with the Rosenberg (1965) self-esteem scale. This measure requires individuals to report agreement with 10 items that assess self-esteem using a 4-point Likert response scale from 1 (*strongly disagree*) to 4 (*strongly agree*). Appropriate items were reversed, and all items were summed. Internal consistency was adequate. (Coefficient alpha was .89.)

Relational self-construal. Relational self-construal was assessed with the Relational-Interdependent Self-Construal Scale (Cross et al., 2000). This measure requires individuals to report agreement with 11 items that assess the extent to which they define themselves by their close relationships (e.g., "My close relationships are an important reflection of who I am," "In general, my close relationships are an important part of my self-image") using a 7-point Likert response scale from 1 (*strongly disagree*) to 7 (*strongly agree*). Appropriate items were reversed, and all items were summed. Internal consistency was adequate. (Coefficient alpha was .84.)

Results

Descriptive statistics and preliminary analyses. Descriptive statistics are reported in Table 1. As the table reveals, men and women reported self-esteem and relational self-construal scores that were above the midpoint, suggesting that these intimates had relatively high self-esteem and considered their relationships to be an important part of their identity, on average. Consistent with prior research (e.g., Cross & Madson, 1997), a paired-samples t test revealed that women reported greater relational self-construal than did men, $t(52) = -2.56$, $p = .01$. Men and women did not differ in their levels of self-esteem, however, $t(52) = .81$, $p = .42$. Thirty-nine (70%) men and 45 (79%) women chose to reveal their personality flaws to their partners. Men and women did not differ regarding their choice to reveal this information, $t(111) = 1.17$, $p = .25$.

Correlations among the independent variables are also presented in Table 1. Among men, relational self-construal was positively associated with self-esteem and with the decision to disclose their personality flaws. Interestingly, among women, self-esteem was negatively associated with the decision to disclose their personality

¹ The predicted Self-Esteem \times Relational Self-Construal interaction was significant even when these seven people were included, $t(115) = -2.64$, $p = .01$.

Table 1
Descriptive Statistics and Correlations Among Variables in Study 1

Variable	1	2	3	M	SD
1. Self-esteem	.01	.23	-.32*	32.02	4.88
2. Relational self-construal	.30*	.32*	-.10	61.85	7.75
3. Self-disclosure	.20	.38**	.09	79%	
M	32.79	58.00	70%		
SD	4.79	8.90			

Note. Descriptive statistics and correlations are presented above the diagonal for women and below the diagonal for men; correlations between men and women appear on the diagonal.

* $p < .05$. ** $p < .01$.

flaws. Finally, men and women’s relational self-construal scores were positively associated with one another.

Did relational self-construal moderate the association between self-esteem and the disclosure of personality flaws? To examine whether relational self-construal moderated the association between self-esteem and the decision to disclose one’s personality flaws to the partner, we estimated a two-level model using the HLM 6.08 computer program (Bryk, Raudenbush, & Congdon, 2004). In the first level of the model, the decision to reveal personality flaws (1 = yes, 0 = no) was regressed onto mean-centered self-esteem scores, mean-centered relational self-construal scores, the Self-Esteem \times Relational Self-Construal interaction, and a dummy-code of participant sex. Because the dependent variable was binary, we specified a Bernoulli outcome distribution. The non-independence of couples’ data was controlled in the second level of the model that allowed for a randomly varying intercept.

Results are presented in Table 2. As can be seen there, neither self-esteem nor relational self-construal was associated with the disclosure of personality flaws to the partner, on average. Nevertheless, as predicted, the Self-Esteem \times Relational Self-Construal interaction was significantly negatively associated with disclosure. The significant interaction is plotted in Figure 1. Tests of the simple slopes revealed that self-esteem was negatively associated with disclosure among people who were one standard deviation above the mean on relational self-construal, $t(108) = -3.07, p < .01$, but trended toward being positively associated with disclosure among people who were one standard deviation below the mean on

Table 2
Effects of Self-Esteem, Relational Self-Construal, and Their Interaction on Willingness to Disclose Personality Flaws in Study 1

Predictor	Self-disclosure	
	B	Effect size r
Sex	0.29	.06
Self-esteem (SE)	-0.10	.15
Relational self-construal (RSC)	0.06	.14
SE \times RSC	-0.02**	.28

Note. For the t test, $df = 108$.

** $p < .01$.

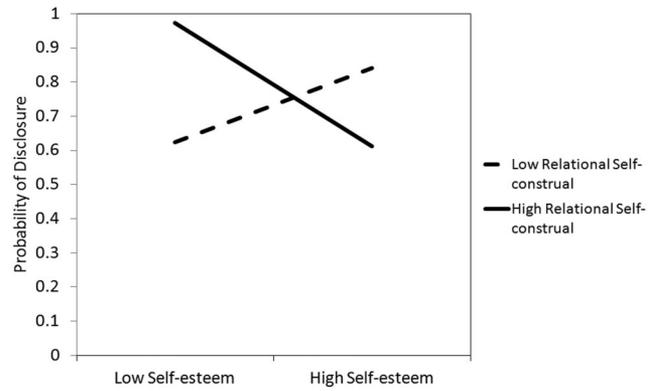


Figure 1. Interactive effects of self-esteem and relational self-construal on probability of disclosing personality flaws in Study 1.

relational self-construal, $t(108) = 1.34, p = .18$. This pattern supports our prediction that relational self-construal functions to determine whether LSEs are more or less likely than HSEs to engage in behaviors that risk rejection to increase interdependence. Relational self-construal was positively associated with disclosure among people who were one standard deviation below the mean on self-esteem, $t(108) = 2.88, p = .01$, but not associated with disclosure among people who were one standard deviation above the mean on self-esteem, $t(108) = -1.44, p = .15$. This pattern supports our prediction that relational self-construal would increase the probability that LSEs, but not HSEs, would engage in behaviors that risk rejection to increase interdependence. Notably, subsequent analyses indicated the interaction was not moderated by participant sex, $t(107) = -.47, p = .64$, and remained significant when participant sex was dropped from the model, $t(109) = -3.02, p < .01$.

Discussion

Study 1 provides preliminary evidence that self-esteem interacts with relational self-construal to predict behaviors that risk rejection to increase interdependence. Specifically, LSEs who were high in relational self-construal were more likely than equivalent HSEs to disclose their personality flaws to their partners, whereas LSEs who were relatively low in relational self-construal trended toward being less likely than equivalent HSEs to disclose their personality flaws.

Nevertheless, it remains possible that self-esteem and relational self-construal differentially interact to predict disclosing positive and negative information (see Critelli & Neumann, 1978). To ensure that the interactive effects of self-esteem and relational self-construal that emerged in Study 1 were not unique to negative self-disclosures, we conducted a second study to examine whether the same interactive pattern emerged to predict self-disclosure of positive information—a desire for intimacy.

Study 2

Study 2 was a laboratory study of dating couples that was similar to Study 1. First, participants were photographed, and then participants completed a bogus associative priming task

that involved those photographs (to set up the dependent variable). Next, they reported on their self-esteem and relational self-construal. Finally, they were given false feedback based on the bogus associative priming task that they desired a high level of intimacy with their partner and were given the option to share their desires for intimacy with their partner. Although disclosing feelings of intimacy is an important way for intimates to increase interdependence (Surra, 1987), it is risky because it can lead to feelings of rejection if such feelings are not reciprocated. Based on our theoretical analysis and the results from Study 1, we predicted that intimates' levels of relational self-construal would moderate the effects of their self-esteem on whether or not they disclosed their high desire for intimacy to their partner. Specifically, we predicted that low self-esteem would be associated with a lower likelihood of disclosing their strong desire for intimacy among those low in relational self-construal but with a higher likelihood of disclosing that desire among those high in relational self-construal, and that relational self-construal would increase the probability of disclosure among LSEs, but not HSEs.

Method

Participants. Participants were 38 undergraduate dating couples at a large university in the southeastern United States who had a mean age of 18.68 years ($SD = 2.36$). All participants had been involved in a romantic relationship for at least 3 months ($M = 13.18$, $SD = 11.50$). Seventy-one participants (93%) identified as White or Caucasian, four (5%) identified as Black or African American, and one (1%) identified as Asian American.

Procedure. Primary participants received partial course credit for participating with their romantic partner. Upon arriving at the laboratory, researchers photographed each member of the couple and then separated them into two rooms where they gave informed consent and remained for the entire session. All participants were then informed that they would first engage in a computer task—actually an associative priming procedure (see Olson & Fazio, 2003) designed to set-up the false feedback that they desired a high amount of intimacy with their partner. For this task, participants were asked to indicate as quickly as possible whether 96 words (e.g., awesome, terrible), presented one at a time, were positive or negative using one of two keys on the computer keyboard. Before each word appeared, participants were briefly exposed (300 ms) to pictures of themselves, their partner, and four random opposite-sex others. Pictures were presented one at a time and in random order. Following the computer task, participants were instructed to complete various questionnaires, including the same self-esteem and relational self-construal questionnaires used in Study 1. After completing the questionnaires, participants were told that the computer task they had completed was a new psychological measure that assesses unconscious feelings of intimacy people desire with their partners. Consistent with the logic of the associative priming task, they were told that people who desire a lot of intimacy identify positive words faster and negative words slower after seeing their partner's face whereas people who desire less intimacy identify positive words slower and negative words faster after seeing their partner's face. All participants were then given false feedback that they scored in the 89th percentile on the measure, indicating that they desired a high level of intimacy with their

partner. Similar to Study 1, the research assistant offhandedly told participants that sharing such information with the partner can benefit relationships and then offered them the opportunity to share a printout of the results with their partner by signing a release form. Whether or not they did so served as the dependent variable. As in Study 1, the research assistant (a) informed participants that the partner was involved in an unrelated task and would not learn of their option to provide the information if they decided not to reveal it and (b) left the room before participants indicated their response. After 5 min, the research assistant then reentered the room and recorded whether or not participants signed the form, debriefed them, and thanked for their participation.

Measures.

Self-esteem. Self-esteem was again assessed with the Rosenberg (1965) self-esteem scale. Internal consistency was high. (Coefficient alpha was .90.)

Relational self-construal. Relational self-construal was again assessed with the Relational-Interdependent Self-Construal Scale (Cross et al., 2000). Internal consistency was adequate. (Coefficient alpha was .81.)

Results

Descriptive statistics and preliminary analyses. Descriptive statistics are reported in Table 3. As in Study 1, men and women reported self-esteem and relational self-construal scores that were above the midpoint, suggesting that these intimates had relatively high self-esteem and considered their relationships to be an important part of their identity, on average. Also as in Study 1, a paired-samples t test revealed that women reported higher levels of relational self-construal than did men, $t(37) = -3.51$, $p < .01$. Men trended toward reporting higher levels of self-esteem than did women, $t(37) = 1.69$, $p = .10$. Twenty-nine (76%) men and twenty-five (66%) women chose to disclose their ostensibly high desires for intimacy to their partners. Men and women did not differ in their choice to reveal this information, $t(74) = -1.02$, $p = .32$.

Correlations among the independent variables are also presented in Table 3. Among both men and women, relational self-construal was positively associated with the disclosure of feelings of intimacy. Among men, self-esteem trended toward being negatively associated with the disclosure of feelings of intimacy. The primary

Table 3
Descriptive Statistics and Correlations Among Variables in Study 2

Variable	1	2	3	<i>M</i>	<i>SD</i>
1. Self-esteem	.05	.03	.03	31.26	4.95
2. Relational self-construal	-.02	.14	.49**	64.47	7.78
3. Self-disclosure	-.28 [†]	.64**	-.01	66%	
<i>M</i>	33.13	58.21	76%		
<i>SD</i>	4.94	8.94			

Note. Descriptive statistics and correlations are presented above the diagonal for women and below the diagonal for men; correlations between men and women appear on the diagonal.

[†] $p < .10$. ** $p < .01$.

analyses examined whether the association between self-esteem and disclosure varied across levels of relational self-construal.

Did relational self-construal moderate the association between self-esteem and willingness to reveal feelings of intimacy? To examine whether relational self-construal moderated the association between self-esteem and the disclosure of desired intimacy, we used the same analysis strategy described in Study 1. Results are presented in Table 4. As can be seen there, relational self-construal was positively associated with the disclosure of feelings of intimacy. However, this main effect was qualified by a significant Self-Esteem \times Relational Self-Construal interaction. The significant interaction is plotted in Figure 2. Tests of the simple slopes revealed that self-esteem was negatively associated with disclosure among people who were one standard deviation above the mean on relational self-construal, $t(71) = -3.17, p < .01$, but was positively associated with disclosure among people who were one standard deviation below the mean on relational self-construal, $t(71) = 4.10, p < .01$. This pattern supports our prediction that relational self-construal functions to determine whether LSEs are more or less likely than HSEs to engage in behaviors that risk rejection to increase interdependence. Relational self-construal was positively associated with disclosure among people who were one standard deviation below the mean on self-esteem, $t(71) = 4.17, p < .01$, but was not associated with disclosure among people who were one standard deviation above the mean on self-esteem, $t(71) = 0.05, p = .96$. This pattern supports our prediction that relational self-construal would increase the probability that LSEs, but not HSEs, would engage in behaviors that risk rejection to increase interdependence. Notably, subsequent analyses indicated the interaction was not moderated by participant sex, $t(70) = 0.44, p = .66$, and remained significant when participant sex was dropped from the model, $t(72) = -3.26, p < .01$.

Discussion

Study 2 provides further evidence that self-esteem interacts with relational self-construal to predict behaviors that risk rejection to increase interdependence in intimate relationships. Specifically, as predicted, LSEs who were high in relational self-construal were more likely than equivalent HSEs to disclose their high feelings of intimacy to their partners, whereas LSEs who were relatively low in relational self-construal were less likely than equivalent HSEs to

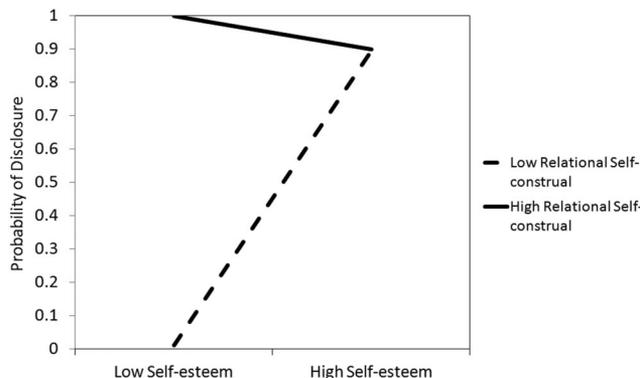


Figure 2. Interactive effects of self-esteem and relational self-construal on probability of disclosing feelings of intimacy in Study 2.

disclose their high feelings of intimacy. Taken together, these two studies provide fairly compelling evidence for our prediction.

Study 3

Study 3 attempted to extend these findings in two important ways. First, Study 3 used recently married couples' self-reports of self-esteem, relational self-construal, and self-disclosure to examine whether the effects that emerged on intimates' behavior in Studies 1 and 2 extended to reports of the behaviors they engage in during naturally occurring interactions in marriages. As noted earlier, although self-disclosure tends to increase interdependence between partners (e.g., Collins & Miller, 1994; Laurenceau, Barrett, & Pietromonaco, 1998; Reis & Shaver, 1988), it is risky because such disclosures can be met with an unfavorable response (e.g., Gable, Reis, Impett, & Asher, 2004). Second, Study 3 controlled for attachment anxiety and attachment avoidance, each of which may account for the interactive effects of self-esteem and relational self-construal on behaviors that risk rejection to increase interdependence. Specifically, people who are high in attachment anxiety tend to have low self-esteem and value closeness (i.e., may be high in relational self-construal; e.g., Feeney & Noller, 1990) and tend to be particularly likely to engage in behaviors intended to increase interdependence (e.g., Shaver & Mikulincer, 2002). People who are high in attachment avoidance also tend to have low self-esteem but value independence (i.e., may be low in relational self-construal; e.g., Feeney & Noller, 1990) and tend to avoid behaviors that increase interdependence. Accordingly, attachment anxiety may account for the positive effect of self-esteem among people who are high in relational self-construal and attachment avoidance may account for the negative effect of self-esteem among people who are low in relational self-construal. Study 3 assessed and controlled for participants' reports of their attachment anxiety and avoidance to rule out these alternative interpretations. Once again, we predicted that intimates' levels of relational self-construal would moderate the effects of self-esteem on self-disclosure, such that low self-esteem would be negatively associated with self-disclosure among those low in relational self-construal but positively associated with self-disclosure among those high in relational self-construal, and that relational self-construal would be positively associated with self-disclosure among LSEs, but not among HSEs.

Table 4
Effects of Self-Esteem, Relational Self-Construal, and Their Interaction on Willingness to Disclose Feelings of Intimacy in Study 2

Predictor	Self disclosure	
	B	Effect size <i>r</i>
Sex	-2.94**	.31
Self-esteem (SE)	0.09	.17
Relational self-construal (RSC)	0.33**	.41
SE \times RSC	-0.06**	.43

Note. For the *t* test, *df* = 71.
** *p* < .01.

Method

Participants. Participants were 89 couples who had completed the fourth wave of data collection in a broader study of 135 newlywed couples. Data from this fourth wave were used here because it was first to assess all relevant variables. The couples not included in the current analyses (a) had divorced ($n = 12$, 9%), (b) had dropped from the study ($n = 7$, 5%), (c) had been widowed ($n = 1$, 1%), or (d) did not complete all measures during the fourth phase of data collection ($n = 26$, 19%).

At baseline, participants were recruited through advertisements placed in community newspapers and bridal shops and through invitations sent to eligible couples who had applied for marriage licenses in counties near the study location. Couples who responded were screened in a telephone interview to ensure that they met the following eligibility criteria: (a) they had been married for less than 6 months, (b) neither partner had been previously married, (c) they were at least 18 years of age, (d) they spoke English and had completed at least 10 years of education (to ensure comprehension of the questionnaires), and (e) they did not yet have children (because a larger aim of the study was to examine the transition to parenthood).

At their baseline assessment, the husbands examined here were on average 26.06 years old ($SD = 4.17$) and had received 16.85 years ($SD = 2.53$) of education. Ninety percent were Caucasian, and 74% were Christian. Sixty-nine percent were employed full time and 30% were full-time students. The wives examined here were 24.11 years old ($SD = 3.43$) at baseline and had received 19.91 years ($SD = 2.29$) of education. Ninety-five percent were Caucasian and 83% were Christian. Fifty-three percent were employed full time, and 28% were full-time students. Participants who did not complete the fourth wave of data collection were not different from those that did complete it on any of these variables, except that husbands who completed the fourth wave had received more education than did the husbands who did not complete the fourth wave, $t(134) = 3.90$, $p < .01$.

Procedure. At the fourth wave of data collection, couples were mailed a packet of questionnaires to complete at home and return by mail. This packet included measures of self-esteem, relational self-construal, self-disclosure, and attachment insecurity, as well as a letter instructing couples to complete all questionnaires

independently of one another. Couples received \$50 for participating in this phase of data collection.

Measures.

Self-esteem. Self-esteem was again assessed with the Rosenberg (1965) self-esteem scale. Internal consistency was adequate. (Coefficient alpha was .90 for husbands and was .89 for wives.)

Relational self-construal. Relational self-construal was again assessed with the Relational-Interdependent Self-Construal Scale (Cross et al., 2000). Internal consistency was adequate. (Coefficient alpha was .87 for husbands and was .89 for wives.)

Self-disclosure. Self-disclosure was assessed with one face-valid item from the Marital Adjustment Test (Locke & Wallace, 1959) that assessed the extent to which they self-disclosed to their partner using a 4-point Likert response scale ranging from 1 (*almost never*) to 4 (*in everything*).

Romantic attachment. Attachment anxiety and attachment avoidance were assessed with the Experiences in Close Relationships scale (ECR; Brennan, Clark, & Shaver, 1998). The attachment anxiety subscale requires individuals to report agreement with 18 items using a 7-point Likert response scale from 1 (*strongly disagree*) to 7 (*strongly agree*). The attachment avoidance subscale requires individuals to report agreement with 18 items using a 7-point Likert response scale from 1 (*strongly disagree*) to 7 (*strongly agree*). Appropriate items were reversed, and all items were summed. Internal consistency was adequate. (Coefficient alpha for attachment anxiety was .94 for husbands and was .94 for wives and for attachment avoidance was .95 for husbands and .93 for wives.)

Results

Descriptive statistics and preliminary analyses. Descriptive statistics are presented in Table 5. As the table reveals, as in Studies 1 and 2, husbands and wives reported self-esteem and relational self-construal scores that were above the midpoint, suggesting that these spouses had relatively high self-esteem and considered their relationships to be an important part of their identity, on average. Paired samples t tests revealed that husbands reported greater attachment avoidance than did wives, $t(81) = 2.71$, $p = .01$, and that wives reported greater tendencies to confide in their partner than did husbands, $t(82) = -2.16$, $p = .03$. However, husbands and wives did not differ in their reports of

Table 5
Descriptive Statistics and Correlations Among Variables in Study 3

Variable	1	2	3	4	5	<i>M</i>	<i>SD</i>
1. Self-esteem	.19 [†]	.03	.03	-.51**	-.30**	34.66	5.02
2. Relational self-construal	.09	.13	-.01	-.11	-.06	57.03	10.75
3. Self-disclosure	.18	.14	.25*	-.23*	-.46**	3.45	0.55
4. Attachment anxiety	-.50**	-.05	-.20	.37**	.54**	37.55	20.31
5. Attachment avoidance	-.44*	-.45**	-.39**	.62**	.45**	32.43	14.12
<i>M</i>	34.16	57.01	3.29	35.05	37.70		
<i>SD</i>	5.73	10.97	.62	19.53	18.84		

Note. Descriptive statistics and correlations are presented above the diagonal for wives and below the diagonal for husbands; correlations between husbands and wives appear on the diagonal.

[†] $p < .10$. * $p < .05$. ** $p < .01$.

self-esteem, $t(82) = -.82, p = .42$, relational self-construal, $t(82) = -.04, p = .97$, or attachment anxiety, $t(81) = -1.02, p = .31$.

Correlations among the independent variables are also presented in Table 5. Among both husbands and wives, self-esteem was negatively associated with both attachment anxiety and attachment avoidance. Further, among both husbands and wives, attachment avoidance was negatively associated with self-disclosure and positively associated with attachment anxiety. Among husbands, but not wives, relational self-construal was negatively associated with attachment avoidance. Among wives, but not husbands, attachment anxiety was negatively associated with self-disclosure. Self-esteem was unrelated to self-disclosure among both husbands and wives. Finally, husbands' and wives' reports of self-disclosure, attachment anxiety, and attachment avoidance were correlated with one another.

Did relational self-construal moderate the association between self-esteem and self-disclosure? To examine whether relational self-construal moderated the association between self-esteem and self-disclosure, we again estimated a two-level model using the HLM 6.08 computer program. Specifically, self-disclosure scores were regressed onto mean-centered self-esteem scores, mean-centered relational self-construal scores, the Self-Esteem \times Relational Self-Construal interaction, a dummy-code of participant sex, and mean-centered attachment anxiety and attachment avoidance scores. The non-independence of husbands' and wives' reports was controlled in the second level of the model that allowed for a randomly varying intercept.

Results are presented in Table 6. As can be seen there, attachment avoidance was negatively associated with self-disclosure. Further, as predicted, the Self-Esteem \times Relational Self-Construal interaction was significantly associated with self-disclosure. The significant interaction is plotted in Figure 3. Tests of the simple slopes revealed that self-esteem was marginally negatively associated with self-disclosure among people who were one standard deviation above the mean on relational self-construal, $t(156) = -1.83, p = .07$, but was marginally positively associated with self-disclosure among people who were one standard deviation below the mean on relational self-construal, $t(156) = 1.70, p = .09$. This pattern supports our prediction that relational self-construal functions to determine whether LSEs are more or less likely than HSEs to engage in behaviors that risk rejection to increase interdependence. Relational self-construal was not associated with self-disclosure among people who were one standard

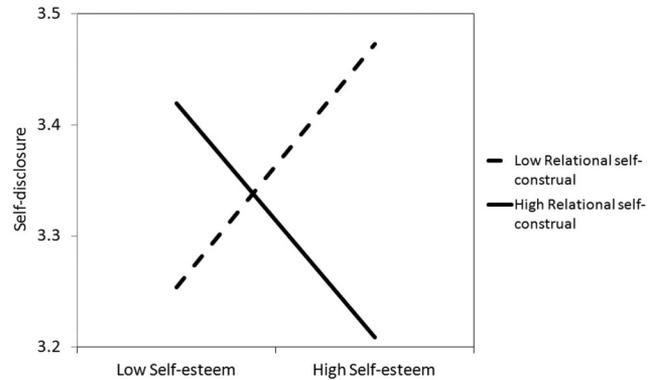


Figure 3. Interactive effects of self-esteem and relational self-construal on self-disclosure in Study 3.

deviation below the mean on self-esteem, $t(156) = 1.29, p = .20$, but was negatively associated with self-disclosure among people who were one standard deviation above the mean on self-esteem, $t(156) = -2.24, p = .03$. This pattern contrasts our prediction that relational self-construal would increase the probability that LSEs, but not HSEs, would engage in behaviors that risk rejection to increase interdependence. Notably, subsequent analyses indicated the interaction was not moderated by participants' sex, $t(155) = 0.06, p = .95$, and remained significant when participant sex and both types of attachment insecurity were dropped from the model, $t(161) = -3.13, p < .01$. Also notably, subsequent analyses indicated that the Self-Esteem \times Relational Self-Construal interaction remained marginally significant when controlling for the Self-Esteem \times Attachment Anxiety and Self-Esteem \times Attachment Avoidance interactions, $t(154) = -1.93, p = .06$.

Discussion

Study 3 extended the effects of Studies 1 and 2 in several ways. First, Study 3 demonstrates that, in addition to interacting to predict self-disclosure in an artificial lab setting, self-esteem and relational self-construal interact to predict a single-item measure of the extent to which spouses confide in one another in marriage, a naturally occurring behavior that can risk rejection to increase interdependence. Specifically, self-esteem was marginally negatively associated with reports of the tendency to confide in the partner among spouses who were relatively high in relational self-construal but marginally positively associated with reports of the tendency to confide in the partner among spouses who were relatively low in relational self-construal. Unexpectedly, however, relational self-construal was not associated with self-disclosure among LSEs but was negatively associated with self-disclosure among HSEs. This interactive effect emerged independent of a strong correlate of both self-esteem and behaviors that increase interdependence—attachment insecurity. Further, although the single-item measure could be construed as a liability in the absence of Studies 1 and 2, the fact that this one-item measure replicated the results of those studies is impressive.

Table 6
Effects of Self-Esteem, Relational Self-Construal, and Their Interaction on Self-Disclosure in Study 3

Predictor	Self-disclosure	
	B	Effect size <i>r</i>
Sex	0.06	.07
Attachment anxiety	0.02	.03
Attachment avoidance	-0.27**	.38
Self-esteem (SE)	0.00	.00
Relational self-construal (RSC)	-0.03	.05
SE \times RSC	-0.20**	.22

Note. For the *t* test, *df* = 156.

** $p < .01$.

Study 4

In Study 4, we sought to extend the effects of self-esteem and relational self-construal to behaviors other than self-disclosure and to demonstrate the causal nature of these effects. Specifically, we experimentally manipulated self-esteem and relational self-construal and measured intimates' willingness to risk rejection by engaging in various behaviors that increase interdependence. We also again measured and controlled for attachment anxiety and avoidance. Once again, we predicted that intimates' levels of relational self-construal would moderate the effects of their self-esteem on their willingness to engage in behaviors that increase interdependence, such that low self-esteem would predict less willingness to engage in such behaviors among those low in relational self-construal but more willingness to engage in such behaviors among those high in relational self-construal. Once again, we also expected that relational self-construal would increase the probability that LSEs, but not HSEs, would be willing to increase interdependence.

Method

Participants. Participants were 182 undergraduate students (91 men, 90 women, 1 did not report sex) at a large university in the southeastern United States. Participants had a mean age of 19.78 years ($SD = 2.71$). All participants were required to have been involved in a romantic relationship for at least 3 months to participate in the study. One hundred and fifty (82%) identified as White or Caucasian, 15 (8%) identified as Black or African American, six (3%) identified as Asian American, three (2%) identified as Hispanic or Latino(a), one (1%) identified as Native Hawaiian or Other Pacific Islander, and seven (4%) identified as another race/ethnicity, two or more races/ethnicities, or did not report race/ethnicity.

Procedure. Participants received partial course credit for completing the study online at surveymonkey.com. First, participants completed measures of romantic attachment and the Big Five Personality Inventory (Goldberg, 1999), which was intended to set up the manipulation of self-esteem. Next, to manipulate participants' *relational self-construal*, half of the participants were randomly assigned to read a story that primed relational self-construal, and half were randomly assigned to read a story that primed independent self-construal (Trafimow, Triandis, & Goto, 1991). Specifically, all participants read a story about a military general who is trying to decide who to promote. Those randomly assigned to the relational self-construal condition read a version of the story in which the general eventually decides to promote a warrior who is a member of his family. In contrast, those randomly assigned to the independent self-construal condition read a version of the story where the general eventually decides to promote a warrior who is best qualified for the position. Prior research demonstrates that reading each version of the story successfully makes relational and individual aspects of the self more cognitively accessible (Trafimow et al., 1991, Study 2). Next, participants were told that the computer had scored the results of Big Five Personality Inventory and that they would be seeing those results. To manipulate participants' *self-esteem*, half of the participants were randomly assigned to receive positive feedback about their relational appeal, and half were randomly assigned to receive

negative feedback about their relational appeal. Specifically, participants randomly assigned to experience high self-esteem were told,

Based on the results from the questionnaires, we have determined that you are the kind of person who is rarely rejected by other people. For example, friends would rather spend time with you than with others, romantic partners choose to be with you easily, and you may receive a lot of approval from your family.

In contrast, participants randomly assigned to experience low self-esteem were told:

Based on the results from the questionnaires, we have determined that you are the kind of person who is often rejected by other people. For example, friends would rather spend time with others than with you, romantic partners may break up with you easily, and you may receive a lot of disapproval from your family.

Next, we refreshed the self-construal prime by having participants read a story about going on a trip downtown and count the pronouns in it (Gardner, Gabriel, & Lee, 1999). Participants originally assigned to the relational self-construal condition read a version of a story that contained mostly plural pronouns (e.g., "We," "our"), whereas those who were in the independent self-construal condition read a version of the story that contained mostly singular pronouns (e.g., "I," "me"). Finally, participants completed self-esteem and relational self-construal manipulation checks and a measure of their willingness to engage in behaviors that increase interdependence in their relationship.

Measures.

Self-construal manipulation check. To determine whether our self-construal manipulation led participants to experience higher versus lower levels of relational self-construal, we administered one item from the Relational-Interdependent Self-Construal Scale (i.e., "In general, my close relationships are an important part of my self-image"; Cross et al., 2000).

Self-esteem manipulation check. To determine whether our manipulation of self-esteem led participants to experience higher versus lower levels of self-esteem, we administered one item from the Rosenberg (1965) self-esteem scale that assessed the extent to which participants felt satisfied with themselves.

Behaviors that risk rejection to increase interdependence. We developed a measure that assessed participants' willingness to engage in various behaviors that can risk rejection to increase interdependence in their current relationship. This measure required individuals to report their agreement with 33 behaviors that tend to strengthen close relationships (Stafford & Canary, 1991), yet may be met with rejection, such as expressing affection (e.g., "Show your love to a partner"), making sacrifices (e.g., "Give up activities you enjoy to strengthen your relationship"), self-disclosure (e.g., "Discuss with your partner problems you might have with him or her"), seeking support (e.g., "Request help from your partner"), and providing support (e.g., "Cheer up your partner when he or she is down") using a 5-point Likert response scale from 1 (*not at all willing*) to 5 (*very willing*). All items were summed. Internal consistency was high. (Coefficient alpha was .97.)

Romantic attachment. Attachment anxiety and attachment avoidance were again assessed with the ECR (Brennan et al.,

1998). Internal consistency was high. (Coefficient alpha for attachment anxiety was .94 and for attachment avoidance was .95.)

Results

Descriptive statistics and preliminary analyses. Descriptive statistics and correlations are presented in Table 7. As the table reveals, participants reported being relatively willing to engage in behaviors that increase interdependence. Furthermore, participants reported attachment anxiety and avoidance scores that were below the midpoint, suggesting that most participants experienced relatively secure attachment. Willingness to engage in behaviors that increase interdependence was positively associated with our manipulation of relational self-construal, negatively associated with attachment avoidance, and marginally negatively associated with attachment anxiety.

Manipulation checks. Confirming the effectiveness of our two manipulations, participants in the high self-esteem condition ($M = 3.30, SD = 0.69$) reported greater self-esteem than did the participants in the low self-esteem condition ($M = 2.73, SD = 1.01$), $t(179) = 4.48, p < .01$, and participants in the relational self-construal condition ($M = 5.37, SD = 1.41$) reported greater relational self-construal than did participants in the independent self-construal condition ($M = 4.63, SD = 1.96$), $t(179) = 2.96, p < .01$.

Did relational self-construal moderate the association between self-esteem and willingness to increase interdependence?

To examine whether relational self-construal moderated the association between self-esteem and willingness to engage in behaviors that increase interdependence, we regressed willingness scores onto a dummy-code of the self-esteem manipulation, a dummy-code of the relational self-construal manipulation, the Self-Esteem \times Relational Self-Construal interaction, mean-centered attachment anxiety and avoidance scores, and a dummy-code of participant sex. Results are presented in Table 8. As in Study 3, attachment avoidance was negatively associated with participants' reports of their willingness to engage in behaviors that increase interdependence. Further, the relational self-construal and self-esteem manipulations were positively associated with willingness to engage in behaviors that increase interdependence. However, as predicted, these main effects were qualified by a significant Self-Esteem \times Relational Self-Construal interaction. The significant interaction is plotted in Figure 4. Consistent with the findings of Studies 1–3, leading participants to feel high levels of self-esteem predicted a

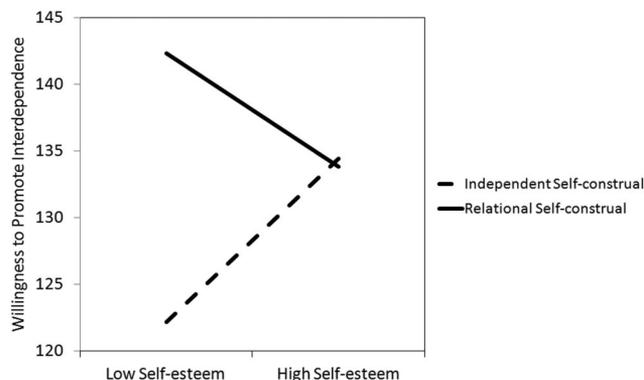


Figure 4. Interactive effects of self-esteem and relational self-construal on willingness to promote interdependence in Study 4.

decreased willingness to engage in behaviors that increase interdependence among those exposed to the relational self-construal manipulation, $t(174) = -1.97, p = .05$, but an increased willingness to engage in such behaviors among those exposed to the independent self-construal manipulation, $t(174) = 2.53, p = .01$. This pattern supports our prediction that relational self-construal functions to determine whether LSEs are more or less likely than HSEs to engage in behaviors that risk rejection to increase interdependence. Leading participants to have higher levels of relational self-construal predicted increased willingness to engage in behaviors that increase interdependence among those who were led to feel low levels of self-esteem, $t(174) = 4.39, p < .01$, but did not affect willingness to engage in such behaviors among those who were led to feel high levels of self-esteem, $t(174) = -0.13, p = .90$. This pattern is consistent with the prediction that relational self-construal would increase the probability that LSEs, but not HSEs, would engage in behaviors that risk rejection to increase interdependence. Notably, subsequent analyses indicated the interaction was not moderated by participants' sex, $t(171) = 0.50, p = .62$, and remained significant when participant sex and both forms of attachment insecurity were removed from the model, $t(177) = -2.60, p = .01$. Furthermore, subsequent analyses indicated that the Self-Esteem \times Relational Self-Construal interaction remained significant when controlling for the Self-Esteem \times Attachment

Table 7
Descriptive Statistics and Correlations Among Variables in Study 4

Variable	1	2	3	4	5
1. Self-esteem	—				
2. Relational self-construal	.05	—			
3. Interdependence behaviors	.03	.21**	—		
4. Attachment anxiety	-.01	.05	-.14†	—	
5. Attachment avoidance	-.02	.00	-.30**	.51	—
<i>M</i>			129.86	45.51	48.82
<i>SD</i>			23.34	19.26	20.89

† $p < .10$. ** $p < .01$.

Table 8
Effects of Self-Esteem, Relational Self-Construal, and Their Interaction on Willingness to Promote Interdependence in Study 4

Predictor	Willingness to promote interdependence	
	<i>B</i>	Effect size <i>r</i>
Sex	-2.47	.06
Attachment anxiety	0.01	.01
Attachment avoidance	-0.37**	.30
Self-esteem (SE)	12.26*	.19
Relational self-construal (RSC)	20.13**	.32
SE \times RSC	-20.73**	.23

Note. For the *t* test, $df = 174$.
* $p < .05$. ** $p < .01$.

Anxiety and Self-Esteem \times Attachment Avoidance interactions, $t(172) = -3.28, p < .01$.

Discussion

Study 4 substantially extended the effects of Studies 1–3 in several ways. First, whereas Studies 1–3 demonstrated that the interaction between self-esteem and relational self-construal was associated with behaviors that risk rejection to increase interdependence, Study 4 provided evidence for the causal effects of this interaction. Second, whereas Studies 1–3 demonstrated evidence that relational self-construal moderates the association between self-esteem and self-disclosure, Study 4 demonstrated that relational self-construal moderates the effect of self-esteem on intimates' willingness to engage in other behaviors that risk rejection to increase interdependence, such as sacrificing for a partner and seeking support from the partner.

Nevertheless, the consistent evidence provided by Studies 1–4 is limited in two important ways. First, it remains possible that these effects are limited to situations in which the risk of rejection is relatively low. Indeed, other research has demonstrated that LSEs frequently engage in behaviors that increase interdependence in situations that pose a relatively low risk of rejection (e.g., Murray, Derrick, Leder, & Holmes, 2008); (a) participants in Studies 1 and 2 were specifically told that their disclosures may benefit their relationships, and (b) participants in Studies 3 and 4 may have believed the behaviors we assessed posed little risk of rejection. Second, Studies 1–4 did not examine whether indicators of relationship quality might moderate the association between self-esteem and behaviors that increase interdependence. In particular, it remains possible that variables that capture the importance of participants' current relationship, such as relationship satisfaction, commitment, intimacy, or closeness either account for the observed results or similarly moderate the effects of self-esteem on behaviors that risk rejection to increase interdependence. Study 5 addressed both remaining issues.

Study 5

In Study 5, we followed procedures used by Murray and colleagues (2008) to experimentally manipulate the salience of rejection in order to determine whether the interactive effects of self-esteem and relational self-construal on behaviors that can increase interdependence emerge even when the risk of rejection is salient. Specifically, after reporting self-esteem and relational self-construal, but before reporting their willingness to engage in behaviors that can increase interdependence, participants described either an episode of rejection or an innocuous event. Additionally, we measured several other variables, that is, relationship satisfaction, commitment, intimacy, and closeness, and examined whether those variables also moderated the effect of self-esteem on behaviors that risk rejection to increase interdependence. Notably, we assessed such behaviors using the same measures used by Murray and colleagues (2008), in an attempt to replicate the positive main effects of self-esteem that they observed on these measures. We expected participants' relational self-construal and self-esteem to interact to predict their willingness to engage in behaviors that increase interdependence in the same manner observed in Studies 1–4, even when the risk of rejection was salient.

Method

Participants. Participants were 196 undergraduate students (59 men, 137 women) at a large university in the southeastern United States. Participants had a mean age of 19.38 years ($SD = 2.77$). All participants were required to have been involved in a romantic relationship for at least 3 months to participate in the study. One hundred and seventy (82%) identified as White or Caucasian, 13 (6%) identified as Black or African American, five (2%) identified as Asian American, three (1%) identified as Hispanic or Latino(a), and five (2%) identified as another race/ethnicity or two or more races/ethnicities.

Procedure. Participants received partial course credit for completing the study online at surveymonkey.com. First, participants completed measures of self-esteem, relational self-construal, relationship satisfaction, commitment, intimacy, closeness, and romantic attachment. Next, we manipulated the salience of interpersonal risk by randomly assigning half of the participants to describe a time when they were hurt or rejected by a significant other and half to describe their commute to school. Murray and colleagues (2008) demonstrated that this manipulation indeed leads participants to feel more versus less vulnerable to interpersonal rejection. Finally, participants completed a manipulation check and the same measures of willingness to engage in behaviors that can increase interdependence used by Murray and colleagues (2008).

Measures.

Risk manipulation check. A measure of fear of disclosure served as an indirect measure of the success of our manipulation. This measure required individuals to report agreement with seven items that assess their fear of disclosure (e.g., "I feel uncomfortable expressing my true feelings to my partner," "I might be afraid to confide my innermost feelings to my partner") using a 7-point Likert response scale from 1 (*strongly disagree*) to 7 (*strongly agree*). All items were summed, and higher scores indicate greater fear of disclosure. Internal consistency was adequate. (Coefficient alpha was .85.)

Self-esteem. Self-esteem was again assessed with the Rosenberg (1965) self-esteem scale. Internal consistency was high. (Coefficient alpha was .93.)

Relational self-construal. Relational self-construal was again assessed with the Relational-Interdependent Self-Construal Scale (Cross et al., 2000). Internal consistency was high. (Coefficient alpha was .91.)

Willingness to increase interdependence. Participants' willingness to increase interdependence was assessed with Murray and colleagues' (2008) interdependent situations and activities scales. These measures require individuals to report their willingness to put themselves in 17 situations of interdependence (e.g., ask the partner to "give me advice about problems") using a 7-point Likert response scale from 1 (*not at all willing*) to 7 (*very willing*) and to prioritize 15 interdependent activities (e.g., "making my partner happy") using a 7-point Likert response scale from 1 (*not at all actively*) to 7 (*extremely actively*). Following Murray et al. (2008), we reversed all appropriate items and summed all items to create one index of intimates' willingness to engage in behaviors that enhance interdependence. Internal consistency was high. (Coefficient alpha was .92.)

Romantic attachment. Attachment anxiety and attachment avoidance were again assessed with the ECR (Brennan et al., 1998). Internal consistency was high. (Coefficient alpha for attachment anxiety was .93 and for attachment avoidance was .93.)

Alternative moderators. To identify whether relationship satisfaction, commitment, intimacy, and closeness also moderated the effects of self-esteem on behaviors that increase interdependence, participants also completed a version of the Quality Marriage Index (Norton, 1983) that was modified to ask about the “relationship” rather than the marriage (Coefficient alpha was .86.), Rusbult and colleagues’ commitment scale (Rusbult, Kumashiro, Kubacka, & Finkel, 2009; Coefficient alpha was .95.), the Personal Assessment of Intimacy in Relationships (Schaefer & Olson, 1981; Coefficient alpha was .94.), and the Relationship Closeness Inventory (Berscheid, Snyder, & Omoto, 1989; Coefficient alpha was .84.).

Results

Descriptive statistics and preliminary analyses. Descriptive statistics are presented in Table 9. As the table reveals, participants reported being relatively willing to engage in behaviors that increase interdependence. Furthermore, participants reported self-esteem and relational self-construal scores that were above the midpoint, suggesting that most participants had relatively high self-esteem and considered their relationships to be an important part of their identity, on average. Notably, women ($M = 59.68, SD = 11.07$) reported considerably higher relational self-construal scores than did men ($M = 53.21, SD = 14.93$), $t(194) = -3.37, p < .01$. Participants reported attachment anxiety and avoidance scores that were below the midpoint, suggesting that most participants experienced relatively secure attachment. Finally, participants reported relationship satisfaction, commitment, and intimacy scores that were above the midpoint, suggesting that most participants believed that their relationships were relatively high in quality, yet relationship closeness scores that were slightly below the midpoint.

Correlations among the independent variables are also presented in Table 9. Importantly, replicating prior work (e.g., Gaucher, et al., in press; Murray et al., 1998; Murray, Leder, et al., 2009; Murray et al., 2002), self-esteem was positively associated with willingness to engage in behaviors that increase interdependence.

Nevertheless, this main effect was moderated by participant sex, $t(192) = -2.10, p = .04$, such that self-esteem was positively associated with willingness to engage in behaviors that increase interdependence among men, $t(192) = 4.04, p < .01$, but only trended toward predicting such behaviors among women, $t(192) = 1.46, p = .11$. Willingness to engage in behaviors that increase interdependence was also positively associated with relational self-construal and negatively associated with attachment anxiety and avoidance. Furthermore, self-esteem was positively associated with relational self-construal, relationship satisfaction, and intimacy and negatively associated with attachment anxiety and avoidance and relationship closeness. Finally, relational self-construal was positively associated with relationship satisfaction, commitment, and intimacy, and negatively associated with attachment avoidance.

Manipulation check. Participants who were primed with rejection ($M = 17.41, SD = 8.00$) were marginally more afraid of disclosure than were participants who were not primed with rejection ($M = 15.25, SD = 8.45$), $t(195) = 1.83, p = .07$, providing some support for the effectiveness of our manipulation.

Did relational self-construal moderate the association between self-esteem and willingness to increase interdependence?

We first attempted to replicate the results of Studies 1–4 by regressing willingness to increase interdependence scores onto mean-centered self-esteem scores, mean-centered relational self-construal scores, the Self-Esteem \times Relational Self-Construal interaction, mean-centered attachment anxiety and avoidance scores, and a dummy-code of participant sex. Results are presented in Table 10. As in Studies 3 and 4, attachment avoidance was negatively associated with participants’ reports of their willingness to engage in behaviors that increase interdependence in their relationship. Additionally, attachment anxiety was also negatively associated with participants’ reports of their willingness to increase interdependence. Further, relational self-construal was positively associated with willingness to increase interdependence. Controlling for these effects, consistent with the findings of Studies 1–4, the Self-Esteem \times Relational Self-Construal interaction was significant. Subsequent analyses indicated the interaction remained significant when participant sex and both forms of attachment insecurity were dropped from the model, $t(193) = -4.69, p < .01$. Furthermore, subsequent analyses indicated that the Self-Esteem \times

Table 9
Descriptive Statistics and Correlations Among Variables in Study 5

Variable	1	2	3	4	5	6	7	8	9
1. Self-esteem	—								
2. Relational self-construal	.21**	—							
3. Interdependence-promotion	.26**	.51**	—						
4. Attachment anxiety	-.42**	-.09	-.30**	—					
5. Attachment avoidance	-.32**	-.39**	-.53**	.52**	—				
6. Relationship satisfaction	.21**	.31**	.38**	-.54**	-.59**	—			
7. Relationship commitment	.10	.44**	.52**	-.22**	-.58**	.51**	—		
8. Relationship intimacy	.29**	.37**	.44**	-.46**	-.66**	.66**	.56**	—	
9. Relationship closeness	-.19**	-.02	.16*	-.10	-.14	.14*	.33**	-.01	—
<i>M</i>	31.85	57.93	154.65	42.58	42.43	37.51	87.87	142.66	105.36
<i>SD</i>	6.18	12.64	26.62	20.13	19.50	6.54	23.57	21.92	20.36

* $p < .05$. ** $p < .01$.

Table 10
Effects of Self-Esteem, Relational Self-Construal, and Their Interaction on Willingness to Promote Interdependence in Study 5

Predictor	Willingness to promote interdependence	
	<i>B</i>	Effect size <i>r</i>
Sex	4.75	.11
Attachment anxiety	-0.18*	.15
Attachment avoidance	-0.47**	.32
Self-esteem (SE)	-0.13	.04
Relational self-construal (RSC)	0.51**	.28
SE × RSC	-0.07**	.41

Note. For the *t* test, *df* = 189.

* *p* < .05. ** *p* < .01.

Relational Self-Construal interaction remained significant when controlling for the Self-Esteem × Attachment Anxiety and Self-Esteem × Attachment Avoidance interactions, $t(187) = -5.63$, $p < .01$. However, unlike Studies 1–4, a test of the Self-Esteem × Relational Self-Construal × Participant Sex interaction indicated that this effect differed for men and women, $t(186) = 4.30$, $p < .01$. Among men, the Self-Esteem × Relational Self-Construal interaction significantly predicted willingness to increase interdependence, $t(53) = -5.93$, $p < .01$; among women, however, it did not, $t(131) = 0.70$, $p = .49$.

The significant interaction that emerged among men is plotted in Figure 5. Tests of the simple slopes revealed that self-esteem was negatively associated with willingness to engage in behaviors that increase interdependence among men who were one standard deviation above the mean on relational self-construal, $t(53) = -2.57$, $p = .01$, but positively associated with willingness to engage in such behaviors among men who were one standard deviation below the mean on relational self-construal, $t(53) = 2.40$, $p = .02$. This pattern supports our prediction that relational self-construal functions to determine whether LSEs are more or less likely than HSEs to engage in behaviors that risk rejection to increase interdependence. Relational self-construal was positively associated with willingness to engage in behaviors that increase interdependence among men who were one standard deviation below the mean on self-esteem, $t(53) = 5.73$, $p < .01$, but not associated with willingness to engage in such behaviors among men who were one standard deviation above the mean on self-esteem, $t(53) = -0.05$, $p = .96$. This pattern supports our prediction that relational self-construal would increase the probability that LSEs, but not HSEs, would engage in behaviors that risk rejection to increase interdependence.

We also more closely examined the non-interactive effects of self-esteem and relational self-construal that emerged among women. Relational self-construal was positively associated with willingness to increase interdependence, $t(131) = 3.01$, $p < .01$. Further, consistent with the pattern that emerged among people high in relational self-construal in Studies 1–4, self-esteem was negatively associated with willingness to increase interdependence, $t(131) = -2.45$, $p = .02$. In other words, once relational construal was controlled, LSE women demonstrated a greater willingness to engage in behaviors that increased interdependence

than did HSE women, regardless of their level of relational self-construal.

Did interpersonal risk moderate the effects of self-esteem, relational self-construal, and/or their interaction on willingness to increase interdependence? To examine whether the salience of interpersonal risk moderated these effects, we regressed willingness to increase interdependence onto mean-centered self-esteem scores, mean-centered relational self-construal scores, a dummy-code of the interpersonal risk manipulation, the Self-Esteem × Interpersonal Risk interaction, the Relational Self-Construal × Interpersonal Risk interaction, the Self-Esteem × Relational Self-Construal interaction, the crucial Self-Esteem × Relational Self-Construal × Interpersonal Risk interaction, mean-centered attachment anxiety and avoidance scores, and a dummy-code of participant sex. The crucial Self-Esteem × Relational Self-Construal × Interpersonal Risk interaction was not significant, $t(185) = -0.05$, $p = .96$, indicating that the interactive effect of self-esteem and relational self-construal on intimates' willingness to increase interdependence did not depend on the salience of interpersonal risk. Given that the Self-Esteem × Relational Self-Construal interaction was only significant among men, we also examined whether the interpersonal risk manipulation moderated the Self-Esteem × Relational Self-Construal × Participant Sex interaction. It did not, $t(184) = 0.49$, $p = .63$. Further, the interpersonal risk manipulation also did not moderate the simple Self-Esteem × Relational Self-Construal interaction that was significant among men, $t(49) = 0.01$, $p = .99$. In fact, the simple Self-Esteem × Relational Self-Construal interaction was significant among men who were primed with rejection, $t(27) = -2.91$, $p = .01$, and among men who were not primed with rejection, $t(20) = -5.39$, $p < .01$. Further, the interpersonal risk manipulation did not moderate the simple Self-Esteem × Relational Self-Construal interaction that was not significant among women, $t(127) = 0.73$, $p = .47$, or the simple negative main effect of self-esteem that was significant among women, $t(127) = -0.73$, $p = .47$. In other words, regardless of whether rejection was salient, self-esteem was positively associated with willingness to risk interdependence among men who were low in relational construal and negatively associated with willingness to risk interdependence among men who were high in

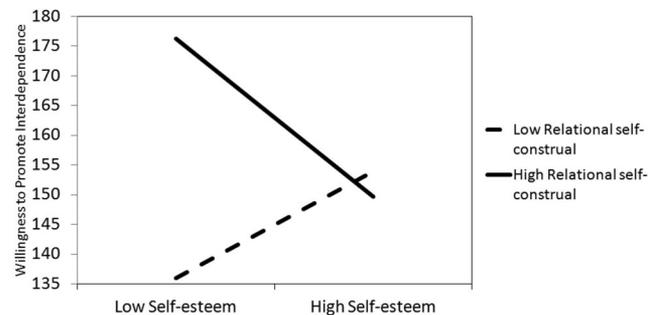


Figure 5. Interactive effects of self-esteem and relational self-construal on men's willingness to promote interdependence in Study 5.

relational construal and among women regardless of relational self-construal.

Did other variables moderate the association between self-esteem and willingness to increase interdependence? Finally, we conducted a series of subsequent analyses to examine whether several indicators of relationship quality accounted for the interactive effects of relational self-construal and self-esteem or themselves uniquely moderated the association between self-esteem and intimates' willingness to engage in behaviors that increase interdependence. Specifically, we conducted four additional analyses that each tested one of four alternative moderators: relationship satisfaction, commitment, intimacy, and closeness. In each analysis, we regressed willingness to increase interdependence onto mean-centered self-esteem scores, mean-centered relational self-construal scores, the Self-Esteem \times Relational Self-Construal interaction, a mean-centered alternative moderator score (e.g., satisfaction), the Self-Esteem \times Alternative Moderator interaction, mean-centered attachment anxiety and avoidance scores, and a dummy-code of participant sex. The interactive effects of each potential moderator are reported in Table 11. Whereas the Self-Esteem \times Relational Self-Construal remained significant in every analysis (all ps , $< .01$), none of these other variables moderated the effects of self-esteem on willingness to increase interdependence.

Discussion

The goal of Study 5 was to examine whether the interactive effects of self-esteem and relational self-construal on people's willingness to increase interdependence depend on the salience of interpersonal risk. Although a different interactive pattern emerged for men and women in this particular study, neither pattern depended on the salience of interpersonal risk. For men, as in Studies 1–4, self-esteem was positively associated with willingness to risk rejection to increase interdependence among men low in relational self-construal but negatively associated with such willingness among men high in relational self-construal, regardless of the salience of rejection. Among women, self-esteem was negatively associated with the willingness to risk rejection to increase interdependence regardless of relational self-construal and the salience of rejection. Notably, women had a relatively high mean level of relational self-construal and a relative narrow range of variability in Study 5, which may have restricted the range necessary to detect the interaction that emerged in Studies 1–4.

It is important to note that, replicating prior research (e.g., Gaucher, et al., in press; Murray et al., 1998; Murray, Leder, et al. 2009; Murray et al., 2002), the bivariate association between self-esteem and willingness to engage in behaviors that increase interdependence was positive, although the strength of that effect did differ for men and women and only trended toward significance among women. However, once relational self-construal and its interaction with self-esteem were included in the model, this positive association between self-esteem and willingness to engage in behaviors that increase interdependence emerged only among men low in relational self-construal. Among men who were high in relational self-construal and among women regardless of relational self-construal, self-esteem was negatively associated with willingness to engage in behaviors that increase interdependence. These effects did not depend on the salience of risk.

Nevertheless, Study 5 is limited in two important ways. Specifically, although Study 5 assessed behaviors that carry the risk of rejection and made the risk of such rejection salient to half the participants, (a) it did not examine behaviors in which the risk of rejection is particularly high (e.g., expressing a desire to live with a highly valued partner, expressing a desire to be married to a highly valued partner) and (b) the manipulation was only marginally successful according to what may not have been an ideal manipulation check. Study 6 addressed these issues.

Study 6

Given the potential weakness of the manipulation used in Study 5, in Study 6 we used a different manipulation, one successfully used by Murray, Aloni, et al. (2009), to experimentally manipulate the salience of rejection. Given our goal of assessing the interactive effects of self-esteem and relational self-construal on behaviors that have a higher risk of rejection than those assessed in Studies 1–5, following this manipulation, we assessed their willingness to risk rejection by engaging in behaviors that promote interdependence using a newly developed measure that assessed behaviors that seemed particularly risky, as well as the outcome measures that were used in Studies 4 and 5. Once again, we expected participants' relational self-construal and self-esteem to interact to predict their willingness to engage in behaviors that risk rejection to increase interdependence in the same manner as observed in Studies 1–4 and among men in Study 5, even when the risk of rejection was salient.

Method

Participants. Participants were 277 individuals (95 men, 182 women) who were recruited using the Mechanical Turk service on amazon.com (MTurk). Participants had a mean age of 29.66 years ($SD = 10.40$). All participants were required to have been involved in a romantic relationship for at least 3 months to participate in the study. One hundred and ninety-eight (72%) identified as White or Caucasian, 13 (5%) identified as Black or African American, 26 (9%) identified as Asian American, 27 (10%) identified as Hispanic or Latino(a), and 13 (5%) identified as another race/ethnicity or two or more races/ethnicities.

Procedure. Participants received 30 cents for completing the study online at surveymonkey.com. First, participants completed measures of self-esteem, relational self-construal, and romantic

Table 11
Effects of Self-Esteem \times Alternative Moderator Interactions on Willingness to Promote Interdependence in Study 5

Predictor	Willingness to promote interdependence	
	<i>B</i>	Effect size <i>r</i>
Self-Esteem \times Satisfaction	0.01	.01
Self-Esteem \times Commitment	0.02	.11
Self-Esteem \times Intimacy	0.01	.08
Self-Esteem \times Closeness	0.01	.10

Note. For the *t* test, $df = 187$.

attachment. Next, participants were told that the computer had scored the results of these measures and that they would be seeing those results. All participants were told that they “possess some qualities that partners find very desirable.” To manipulate the salience of interpersonal risk, half of the participants were randomly assigned to the *risk condition* and told: “Nevertheless, people may be unlikely to desire you because these qualities are quite common and readily available on the dating market.” The other half of the participants were randomly assigned to the *assurance condition* and told: “Indeed, people should be particularly likely to desire you because these qualities are quite rare and not readily available on the dating market.” Finally, participants completed a manipulation check and three unique measures of their willingness to increase interdependence.

Measures.

Risk manipulation check. We administered two measures to assess the success of our manipulation. The first manipulation check was the fear of disclosure scale that was used in Study 5. Internal consistency was adequate. (Coefficient alpha was .84.) The second manipulation check was a more direct, single-item (“How risky is it to try to get closer to your partner?”) that assessed participants’ global beliefs about the riskiness of behaviors that promote interdependence using a 7-point Likert response scale from 1 (*not risky*) to 7 (*extremely risky*).

Self-esteem. Self-esteem was again assessed with the Rosenberg (1965) self-esteem scale. Internal consistency was high. (Coefficient alpha was .93.)

Relational self-construal. Relational self-construal was again assessed with the Relational-Interdependent Self-Construal Scale (Cross et al., 2000). Internal consistency was high. (Coefficient alpha was .91.)

Willingness to increase interdependence. Participants’ willingness to risk rejection to increase interdependence was assessed with three scales. First, we again used the *interdependence behaviors* measure from Study 4. Internal consistency was high. (Coefficient alpha was .96.) Second, we again used Murray and colleagues’ (2008) interdependent situations and activities scales that was used in Study 5 to create one index of intimates’ *willingness to promote interdependence*. Internal consistency was high. (Coefficient alpha was .92.) Finally, we developed a measure that assessed participants’ willingness to engage in various behaviors meant to increase interdependence that seemed particularly risky. This measure required individuals to report on the likelihood that

they would engage in each of seven risky behaviors (“tell a highly valued partner you would like to be married to him/her,” “tell a highly valued partner you would like to move in together,” “talk about your vulnerabilities with your partner,” “have dinner with your partner and his/her parents,” “give your partner a hug ‘out of the blue,’” “talk about the future of your relationship,” and “disclose your most intimate thoughts”), using a 7-point Likert response scale from 1 (*not at all willing*) to 7 (*very willing*). All items were summed. Internal consistency was adequate. (Coefficient alpha was .84.)

Romantic attachment. Attachment anxiety and attachment avoidance were again assessed with the ECR (Brennan et al., 1998). Internal consistency was high. (Coefficient alphas for attachment anxiety was .94 and for attachment avoidance was .94.)

Results

Descriptive statistics and preliminary analyses. Descriptive statistics are presented in Table 12. As the table reveals, participants reported being relatively willing to engage in behaviors that increase interdependence. Furthermore, participants reported self-esteem and relational self-construal scores that were above the midpoint, suggesting that most participants had relatively high self-esteem and considered their relationships to be an important part of their identity, on average. Women’s self-construal scores ($M = 56.58, SD = 11.83$) were not significantly higher than those reported by men ($M = 54.97, SD = 12.09$), $t(275) = -1.07, p = .29$. Finally, participants reported attachment anxiety and avoidance scores that were below the midpoint, suggesting that most participants experienced relatively secure attachment.

Correlations among the independent variables are also presented in Table 12. Importantly, consistent with what was found in Study 5 and other research (e.g., Gaucher, et al., in press; Murray et al., 1998; Murray, Leder, et al., 2009; Murray et al., 2002), self-esteem was positively associated with all three behavioral measures. Further, unlike in Study 5, this effect did not differ for men and women: for willingness to engage in interdependence behaviors, $t(273) = 1.04, p = .30$, for willingness to promote interdependence, $t(273) = 1.43, p = .15$, for the newly developed willingness to risk rejection measure, $t(273) = .95, p = .34$. Self-esteem was also positively associated with relational self-construal and negatively associated with attachment anxiety and avoidance. Relational self-construal was positively associated with all three be-

Table 12
Descriptive Statistics and Correlations Among Variables in Study 6

Variable	1	2	3	4	5	6	7
1. Self-esteem	—						
2. Relational self-construal	.21**	—					
3. Interdependence-behaviors	.26**	.42**	—				
4. Interdependence-promotion	.17**	.42**	.79**	—			
5. Risk rejection	.28**	.39**	.80**	.70**	—		
6. Attachment anxiety	-.48**	-.16**	-.25**	-.18**	-.31**	—	
7. Attachment avoidance	-.42**	-.50**	-.60**	-.59**	-.62**	.51**	—
<i>M</i>	30.25	56.02	140.29	157.90	29.23	47.42	43.57
<i>SD</i>	6.22	11.92	19.66	27.00	5.00	22.18	18.56

** $p < .01$.

havioral measures and negatively associated with attachment anxiety and avoidance. Both attachment anxiety and avoidance were negatively associated with all three behavioral measures. Finally, all three behavioral measures were positively associated with one another.

Manipulation checks. As in Study 5, participants who were primed with rejection ($M = 16.22$, $SD = 8.62$) were marginally more afraid of disclosure than were participants who were not primed with rejection ($M = 14.58$, $SD = 7.58$), $t(275) = 1.68$, $p = .09$, providing some support for the effectiveness of our manipulation. However, providing stronger evidence for the effectiveness of the manipulation, the more direct manipulation check item revealed that participants who were primed with rejection ($M = 2.25$, $SD = 1.66$) believed that it was riskier to get close to a partner than did participants who were not primed with rejection according to traditional significance values ($M = 1.88$, $SD = 1.26$), $t(275) = 2.12$, $p = .04$.

Did relational self-construal moderate the association between self-esteem and willingness to increase interdependence?

We first attempted to replicate the results of Studies 1–5 by separately regressing each of the three willingness to increase interdependence scores onto mean-centered self-esteem scores, mean-centered relational self-construal scores, the Self-Esteem \times Relational Self-Construal interaction, mean-centered attachment anxiety and avoidance scores, and a dummy-code of participant sex. Results appear in Table 13. The results of the analysis predicting participants' reports of their willingness to engage in interdependence behaviors are presented in the left two columns of Table 13. Attachment avoidance was negatively associated with participants' willingness to engage in interdependence behaviors. Controlling for this effect, as was found in Study 4 and consistent with the findings of Studies 1–5, the Self-Esteem \times Relational Self-Construal interaction was significant. This significant interaction is plotted in Panel A of Figure 6. Consistent with predictions, tests of the simple slopes revealed that self-esteem was negatively associated with willingness to engage in interdependence behaviors among intimates who were one standard deviation above the mean on relational self-construal, $t(270) = -3.21$, $p < .01$, but positively associated with willingness to engage in interdependence behaviors among intimates who were one standard deviation below the mean on relational self-construal, $t(270) = 4.73$, $p < .01$. Also consistent with predictions, relational self-construal was positively associated with willingness to engage in interdependence behaviors among

intimates who were one standard deviation below the mean on self-esteem, $t(270) = 6.14$, $p < .01$. Unexpectedly, however, relational self-construal was negatively associated with willingness to engage in interdependence behaviors among intimates who were one standard deviation above the mean on self-esteem, $t(270) = -2.01$, $p = .05$. Notably, subsequent analyses indicated the interaction was not moderated by participants' sex, $t(267) = -0.71$, $p = .48$, and remained significant when participant sex and both forms of attachment insecurity were removed from the model, $t(273) = -4.66$, $p < .01$. Furthermore, subsequent analyses indicated that the Self-Esteem \times Relational Self-Construal interaction remained significant when controlling for the Self-Esteem \times Attachment Anxiety and Self-Esteem \times Attachment Avoidance interactions, $t(268) = -7.47$, $p < .01$.

The results predicting participants' reports of their willingness to promote interdependence are presented in the middle two columns of Table 13. Participants' willingness to promote interdependence was negatively associated with attachment avoidance but was positively associated with attachment anxiety. Controlling for this effect, as was found in Study 5 and consistent with the findings of Studies 1–4, the Self-Esteem \times Relational Self-Construal interaction was significant. The significant interaction that emerged is plotted in Panel B of Figure 6. Consistent with predictions, tests of the simple slopes revealed that self-esteem was negatively associated with willingness to promote interdependence among intimates who were one standard deviation above the mean on relational self-construal, $t(270) = -4.49$, $p < .01$, but positively associated with willingness to promote interdependence among intimates who were one standard deviation below the mean on relational self-construal, $t(270) = 3.44$, $p < .01$. Also consistent with predictions, relational self-construal was positively associated with willingness to engage in interdependence behaviors among intimates who were one standard deviation below the mean on self-esteem, $t(270) = 6.01$, $p < .01$. Unexpectedly, however, but consistent with what was found for the willingness to engage in interdependence behaviors measure described in the previous section, relational self-construal was negatively associated with willingness to engage in interdependence behaviors among intimates who were one standard deviation above the mean on self-esteem, $t(270) = -2.02$, $p = .05$. Notably, subsequent analyses indicated the interaction was not moderated by participants' sex, $t(267) = -1.22$, $p = .22$, and remained significant when participant sex and both forms of attachment insecurity were removed from the model,

Table 13
Effects of Self-Esteem, Relational Self-Construal, and Their Interaction on Willingness to Increase Interdependence in Study 6

Predictor	Interdependence behaviors		Interdependence promotion		Risk rejection	
	<i>B</i>	Effect size <i>r</i>	<i>B</i>	Effect size <i>r</i>	<i>B</i>	Effect size <i>r</i>
Sex	2.59	.09	3.78	.09	0.68	.09
Attachment anxiety	0.05	.06	0.15*	.13	-0.00	.00
Attachment avoidance	-0.57**	.49	-0.88**	.53	-0.15**	.49
Self-esteem (SE)	0.19	.07	-0.10	.03	0.04	.06
Relational self-construal (RSC)	0.21*	.15	0.28*	.15	0.04	.10
SE \times RSC	-0.07**	.38	-0.09**	.38	-0.02**	.32

Note. For the *t* test, *df* = 260.

* $p < .05$. ** $p < .01$.

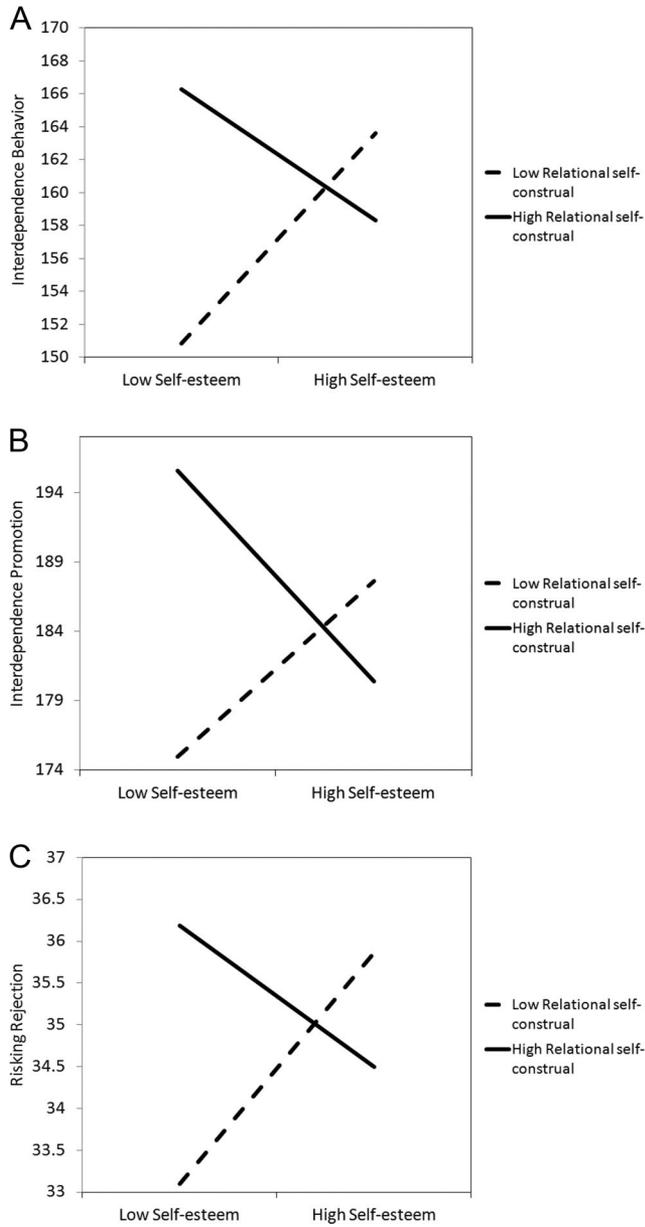


Figure 6. Interactive effects of self-esteem and relational self-construal on willingness to increase interdependence in Study 6.

$t(273) = -5.51, p < .01$. Furthermore, subsequent analyses indicated that the Self-Esteem \times Relational Self-Construal interaction remained significant when controlling for the Self-Esteem \times Attachment Anxiety and Self-Esteem \times Attachment Avoidance interactions, $t(268) = -7.16, p < .01$.

Finally, the results predicting participants' reports on the newly developed willingness to *risk rejection* measure are presented in the right two columns of Table 13. Attachment avoidance was negatively associated with participants' willingness to risk rejection. Controlling for this effect, consistent the findings of Studies 1–5, the Self-Esteem \times Relational Self-Construal interaction was significant. The significant interaction that emerged is plotted in

Panel C of Figure 6. Consistent with predictions, tests of the simple slopes revealed that self-esteem was negatively associated with willingness to risk rejection among intimates who were one standard deviation above the mean on relational self-construal, $t(270) = -2.65, p = .01$, but positively associated with willingness to risk rejection among intimates who were one standard deviation below the mean on relational self-construal, $t(270) = 3.99, p < .01$. Also consistent with predictions, relational self-construal was positively associated with willingness to risk rejection among intimates who were one standard deviation below the mean on self-esteem, $t(270) = 4.79, p < .01$. Unexpectedly, however, relational self-construal was negatively associated with willingness to risk rejection among intimates who were one standard deviation above the mean on self-esteem, $t(270) = -2.00, p = .05$. Notably, subsequent analyses indicated the interaction was not moderated by participants' sex, $t(267) = 0.93, p = .36$, and remained significant when participant sex and both forms of attachment insecurity were removed from the model, $t(273) = -4.66, p < .01$. Furthermore, subsequent analyses indicated that the Self-Esteem \times Relational Self-Construal interaction remained significant when controlling for the Self-Esteem \times Attachment Anxiety and Self-Esteem \times Attachment Avoidance interactions, $t(268) = -6.05, p < .01$.

Did interpersonal risk moderate the effects of self-esteem, relational self-construal, and/or their interaction on willingness to increase interdependence? To examine whether the salience of interpersonal risk moderated these effects, we separately regressed each of the three willingness to increase interdependence scores onto mean-centered self-esteem scores, mean-centered relational self-construal scores, a dummy-code of the interpersonal risk manipulation, the Self-Esteem \times Interpersonal Risk interaction, the Relational Self-Construal \times Interpersonal Risk interaction, the Self-Esteem \times Relational Self-Construal interaction, the crucial Self-Esteem \times Relational Self-Construal \times Interpersonal Risk interaction, mean-centered attachment anxiety and avoidance scores, and a dummy-code of participant sex. The crucial Self-Esteem \times Relational Self-Construal \times Interpersonal Risk interaction did not predict intimates' willingness to engage in interdependence behaviors, $t(266) = -0.66, p = .51$, and the simple Self-Esteem \times Relational Self-Construal interaction was significant among intimates who were primed with rejection, $t(266) = -5.61, p = .01$, and among intimates who were not primed with rejection, $t(266) = -3.30, p < .01$. The Self-Esteem \times Relational Self-Construal \times Interpersonal Risk interaction marginally predicted intimates' willingness to promote interdependence, $t(266) = -1.69, p = .09$; however, the simple Self-Esteem \times Relational Self-Construal interaction was significant and negative among intimates who were primed with rejection, $t(266) = -6.11, p < .01$, and significant and negative, but marginally weaker, among intimates who were not primed with rejection, $t(266) = -2.40, p = .02$. In other words, not only was the Self-Esteem \times Relational Self-Construal interaction significant when risk was made salient and when it was not made salient, the marginal interaction was in the direction opposite of what would have been expected if relational self-construal only moderated the effects of self-esteem on behaviors that increase interdependence in safe situations. Finally, the Self-Esteem \times Relational Self-Construal \times Interpersonal Risk interaction did not predict intimates' reports on the newly developed willingness to risk rejection measure, $t(266) =$

-0.25 , $p = .80$, and the simple Self-Esteem \times Relational Self-Construal interaction was significant among intimates who were primed with rejection, $t(266) = -4.35$, $p < .01$, and among intimates who were not primed with rejection, $t(266) = -2.88$, $p < .01$. In sum, the interactive effect of self-esteem and relational self-construal on intimates' willingness to increase interdependence did not depend on the salience of interpersonal risk.

Discussion

The goal of Study 6 was to provide stronger evidence that the interactive effects of self-esteem and relational self-construal on people's willingness to risk rejection to increase interdependence did not depend on the salience of interpersonal risk. Study 6 provided such evidence in two ways. First, the results emerged using a measure of particularly risky behaviors, such as expressing a desire to move in with a highly valued partner and a desire to marry a highly valued partner. Second, the results were not moderated by a different manipulation of the salience of interpersonal risk that was confirmed by a more traditional manipulation check. As in Study 5, despite once again replicating the positive main effect of self-esteem on behaviors that increase interdependence that has been observed in previous research, self-esteem was once again positively associated with willingness to increase interdependence among intimates low in relational self-construal but negatively associated with willingness to increase interdependence among intimates high in relational self-construal, regardless of the salience of rejection. Unlike Study 5, however, these effects were not limited to men.

Meta-Analyses of Studies 1–6

Several minor inconsistencies emerged across the six studies. For instance, as just noted, the interactive effects of self-esteem and relational self-construal differed across men and women in Study 5. Additionally, several predicted simple effects were not quite significant in several studies. Specifically, both simple effects of self-esteem on the extent to which spouses confided in their partners were only marginally significant in Study 3, the simple effect of self-esteem on self-disclosure among people low in relational self-construal did not reach significance in Study 1, and the predicted positive effect of relational self-construal among LSEs did not reach significance in Study 3. Finally, an unpredicted negative simple effect of relational self-construal among HSEs emerged in Studies 3 and 6. To determine whether these inconsistencies reflected sampling error across studies or meaningful effects, we conducted five meta-analyses across Studies 1–6, one for each of the four simple effects and one for the Participant Sex \times Self-Esteem \times Relational Self-Construal interaction.

Method

For each of the five meta-analyses, we first obtained the effect size for each study. To test the simple effects of self-esteem on behaviors that risk rejection to increase interdependence among people high and low in relational self-construal, we used the β of the simple effects of self-esteem among those high and low in relational self-construal that emerged in each study as a measure of the effect size for each study. To test the simple effects of rela-

tional self-construal on risky behaviors that enhance interdependence among people high and low in self-esteem, we used the β of the simple effects of relational self-construal among those high and low in self-esteem that emerged in each study as a measure of the effect size for each study. To test the gender effects, we used the β of the Participant Sex \times Self-Esteem \times Relational Self-Construal interactions that emerged in each study as a measure of the effect size for each study. We used participants' reports on the newly developed willingness to risk rejection measure as the outcome variable for Study 6 because those obtained effects were the most conservative test of the hypotheses.

Next, we weighted each effect size by the inverse of its variance. For each meta-analysis, we then computed the mean effect size across the six studies by dividing the sum of the six weighted effect sizes by the sum of their variance weights and computed the standard error of that mean effect size by taking the square root of the inverse of those summed variance weights. Finally, we obtained a z statistic by dividing that mean effect size by that standard error.

Results

Results are reported in Table 14. Consistent with predictions, self-esteem was negatively associated with behaviors that risk rejection to increase interdependence among people who were relatively high in relational self-construal but positively associated with behaviors that risk rejection to increase interdependence among people who were relatively low in relational self-construal. Also consistent with predictions, relational self-construal was positively associated with behaviors that risk rejection to increase interdependence among people who were relatively low in self-esteem but was not associated with behaviors that risk rejection to increase interdependence among people who were relatively high in self-esteem. Finally, the interactive effects of self-esteem and relational self-construal did not differ across men and women, suggesting that the sex effect that emerged in Study 5 was an anomaly.

General Discussion

Study Rationale and Summary of Results

How does self-esteem affect people's willingness to take the risks that are necessary to develop and maintain intimacy in their close relationships? The risk-regulation model (Murray et al., 2006) suggests that LSEs' fear of rejection may prevent them from

Table 14
Meta-Analyses of the Simple Effects and Sex Effects From Studies 1–6

Predictor	z	p
Self-esteem (SE)		
High in RSC	-5.40	$<.01$
Low in RSC	7.19	$<.01$
Relational self-construal (RSC)		
High in SE	-0.99	$=.32$
Low in SE	11.41	$<.01$
Sex	1.14	$=.25$

engaging in such behaviors. Sociometer theory (Leary et al., 1995), in contrast, can be used to argue that LSEs should be more likely to take such risks, because it suggests that LSEs are more motivated to increase their relational value than are HSEs. The six studies described here provide evidence that whether LSEs prioritize their increased self-protection or connection goals depends on their levels of relational self-construal. In Studies 1 and 2, the direction in which self-esteem predicted observations of whether or not participants disclosed their personality flaws (Study 1) or feelings of intimacy (Study 2) to their romantic partner depended on their levels of relational self-construal. In Study 3, the direction in which recently married spouses' self-esteem predicted their self-reported tendencies to confide in their partners depended on their levels of relational self-construal. In Study 4, the direction in which manipulations of self-esteem causally influenced intimates' willingness to engage in behaviors that risk rejection to increase interdependence depended on manipulations of relational self-construal. In Studies 5 and 6, the direction in which self-esteem predicted intimates' willingness to engage in behaviors that risk rejection to increase interdependence depended on their levels of relational self-construal, even among those who were primed by the threat of interpersonal risk. According to meta-analyses of all six studies, low self-esteem was positively associated with engaging in behaviors that risk rejection to increase interdependence among intimates high in relational self-construal but negatively associated with engaging in those behaviors among intimates low in relational self-construal. Demonstrating just how robust this interactive pattern is, it emerged across different samples (dating and married couples), different measures of behaviors that increase interdependence (self-disclosure of personality flaws, desires for intimacy, as well as measures that collapsed across various other behaviors), different measurement procedures (observations and self-reports), different degrees of risk, and studies using different methodologies (correlational and experimental).

Theoretical Implications

The current findings have important theoretical implications. First, they highlight the importance of an additional factor that contributes to the decision to engage in behaviors that risk rejection to increase interdependence—relational self-construal. Murray and colleagues' (2006) risk regulation model posits that self-esteem plays an important role in this process, such that LSEs are more likely to expect rejection than are HSEs and thus are motivated to avoid behaviors that risk rejection to increase interdependence in order to protect themselves from such rejection. Nevertheless, sociometer theory (Leary et al., 1995) can be used to argue that LSEs should also be particularly motivated to increase interdependence. How do LSEs reconcile these competing motives? The six studies described here suggest that they consider the relative importance of relationships to their identity. According to all six studies, the implications of self-esteem for behaviors that risk rejection to increase interdependence depend on the extent to which individuals define themselves by their close relationships. Whereas LSEs who are high in relational self-construal prioritize their connection goals and are thus more willing to engage in behaviors that risk rejection to increase interdependence than are equivalent HSEs, LSEs who are low in relational self-construal

prioritize their self-protection goals and are thus less willing to engage in such behaviors than are equivalent HSEs.

To be clear, however, the current findings do not imply that Murray and colleagues' (e.g., 2006, 2001, 1998; Murray, Leder, et al., 2009; Murray et al., 2002, 2005) consistent finding that LSEs avoid behaviors that increase interdependence is limited to individuals who do not care about their relationships. Relational self-construal does not capture a tendency to care about relationships; rather, it captures a tendency to *define* oneself by relationships. Indeed, relational self-construal was only moderately correlated with variables such as closeness, intimacy, and commitment, and these variables did not moderate the effects of self-esteem. Further, the tendency for LSEs to avoid behaviors that increase interdependence is not unique to individuals who do not define themselves by their relationships. Although it was only the LSEs who were one standard deviation below the mean on relational self-construal who avoided such behaviors in these studies, such individuals were still above the midpoint of the relational self-construal scale; that is, even LSEs who defined themselves by their relationships at levels low enough to prioritize their self-protection goals still defined themselves by their relationships to some extent. In sum, these results suggest that LSEs who are especially high in their tendencies to define themselves by their relationships may be particularly motivated to pursue their connection goals by engaging in behaviors that increase interdependence despite their fears of rejection.

Second, these findings highlight the importance of relational self-construal to developing a complete understanding of relationships. Whether individuals were high or low in relational self-construal determined not only the magnitude but also the direction of the influence of self-esteem on relationship behavior. Further, this effect of relational self-construal emerged independent of attachment insecurity, relationship satisfaction, commitment, intimacy, and closeness, highlighting the unique importance of relational self-construal above and beyond factors indicative of the importance of a particular relationship. The extent to which close relationships are an important part of the self-concept may play a role in other interpersonal processes as well. For example, relational self-construal may determine how individuals react to conflict. Specifically, individuals high in relational self-construal may view a partner's criticism as a threat to their relationship, be motivated to protect the relationship, and consequently engage in constructive attempts to resolve their relationship problems. In contrast, individuals low in relational self-construal may view such criticism as a threat to their individual qualities, be motivated to protect these aspects of themselves, and consequently engage in defensive behaviors that protect their self-esteem. This possibility is consistent with research on the demand/withdraw pattern routinely observed in marital relationships (e.g., Christensen & Heavey, 1990; Heavey, Layne, & Christensen, 1993), which demonstrates that women, who tend to be relatively higher in relational self-construal, respond to conflict by demanding relational changes, whereas men, who tend to be relatively lower in relational self-construal, respond to conflict by withdrawing.

Third, these findings also highlight the importance of expectancy-value theory to understanding interpersonal processes. According to expectancy-value theory, whether or not intimates decide to engage in behaviors should depend on both their expectations that such behaviors will lead to a particular outcome and the value they place on that outcome. Indeed, the results from the

current studies suggest such an approach can be used to understand the interactive roles of self-esteem and relational construal in determining whether or not people engage in behaviors that risk rejection to increase interdependence. Such an approach may also prove valuable for identifying when people will engage in other important interpersonal behaviors. For example, such an approach suggests intimates should be particularly likely to provide support to their partner when they value their partner's well-being and expect that they will be able to benefit their partner. Likewise, intimates should only work to resolve their relationship problems when they value resolving those problems and expect they will be able to resolve them. Such an analysis emphasizes the importance of relationship self-efficacy to these and other important interpersonal processes, a relatively understudied predictor of interpersonal processes and outcomes (see Baker & McNulty, 2010; Cui, Fincham, & Pasley, 2008).

Finally, the current studies join a growing body of research demonstrating that various psychological processes are not inherently beneficial or harmful; rather, their implications often depend on other intrapersonal perceptions, traits, and motivations (e.g., Baker & McNulty, 2011; Finkel, Campbell, Buffardi, Kumashiro, Rusbult, 2009; Finkel et al., 2012; Gardner, Gabriel, & Hochschild, 2002; Slotter et al., 2012). For example, research by Gardner and colleagues (2002) demonstrates that the implications of social comparison for self-esteem depend on levels on relational self-construal. Whereas comparing oneself to a successful other led to increases in self-esteem after being primed with relational self-construal, it led to decreases in self-esteem after being primed with independent self-construal. Likewise, a growing body of research demonstrates that whether rejection leads people to distance themselves or affiliate with others depends on their social motivations and perceptions (e.g., Lucas, Knowles, Gardner, Molden, & Jefferis, 2010; Maner, DeWall, Baumeister, & Schaller, 2007). For example, Maner and colleagues (2007) demonstrated that rejection promotes affiliation when people are relatively low in fear of rejection but not when they are relatively high in fear of rejection. Social psychological theories may benefit not only to the extent that researchers continue examining the main effects of various psychological processes but also to the extent to which other intrapersonal perceptions, traits, and motivations limit and even reverse those effects (see McNulty & Fincham, 2012).

Directions for Future Research

The current research also suggests at least two potentially fruitful avenues for future research. First, although the current research demonstrated that self-esteem and relational self-construal interact to predict whether or not people will risk rejection by behaving in ways that increase interdependence, it did not examine the *effectiveness* of those attempts for actually increasing interdependence. Specifically, although LSEs who were high in relational self-construal were particularly likely to engage in behaviors that tend to increase interdependence, it remains possible that they engage in such behaviors too frequently (e.g., repeatedly expressing affection), too strongly (e.g., inappropriate amounts of disclosure), or ineffectively (e.g., vague expressions of affection) and, consequently, harm their relationships. Consistent with this possibility, people with dependent personality disorder and people high in the mania love style, both of whom report low self-esteem and con-

sider their relationships to be very important, often engage in inappropriate amounts of behaviors that tend to increase interdependence, such as self-disclosure (e.g., Woll, 1989). Future research may benefit from examining the implications of self-esteem and/or relational self-construal for the *quality* of behaviors meant to increase interdependence.

Second, these studies also raise questions about how self-esteem and relational self-construal affect the complex motivational and cognitive processes that lead to the decision to promote interdependence in relationships. Specifically, Murray and colleagues (2008) have proposed that the decision to engage in behaviors that promote intimacy is affected by not only automatic connectedness goals but also a secondary executive system that assesses the likelihood of rejection and inhibits behaviors that are considered too risky. Further, by manipulating participants' executive control (Studies 5 and 6), they have demonstrated that although LSEs have similar levels of automatic connectedness goals as HSEs, LSEs' executive system prevents them from promoting intimacy. In light of such findings, the current findings raise questions regarding the role of relational self-construal in these controlled and automatic processes. Do LSEs who are high in relational self-construal assess the likelihood of rejection as being lower, do they still assess a high likelihood of rejection but believe they can reduce the risk by promoting interdependence, or, as we suggested in our theoretical rationale, do they simply prioritize increasing interdependence over self-protection? Future research may benefit by addressing these and other questions regarding the specific processes through which self-esteem and relational self-construal interact to predict the decision to risk rejection to promote interdependence.

Study Strengths and Limitations

Several strengths of the current studies enhance our confidence in the results reported here. First, the overall interactive effect replicated across six independent samples with conceptually similar but empirically distinct outcome measures, reducing the likelihood that the results were unique to sample or operationalization of the dependent variables. Moreover, Studies 1 and 2 demonstrated the effects using observations, rather than self-reports, of two different behaviors that risk rejection to increase interdependence—sharing positive and negative information about the self (see Laurenceau et al., 1998). Second, the results replicated across individuals in both married and dating relationships, helping to ensure that the results obtained were not unique to individuals in certain types of romantic relationships (see Russell, Baker, & McNulty, *in press*). Third, Study 4 experimentally manipulated self-esteem and relational self-construal, enhancing our confidence in the interactive role of these variables in causing behaviors that risk rejection to increase interdependence. Fourth, analyses in Studies 3–6 controlled for romantic attachment, a correlate of both self-esteem and behaviors that risk rejection to increase interdependence, ensuring that the results reported here were independent of insecure attachment. Fifth, Study 5 ruled out four other potential moderators (i.e., relationship satisfaction, commitment, intimacy, and closeness).

Nevertheless, several factors limit the conclusions that can be drawn from these results until they can be replicated and extended. First, the couples examined were primarily White. Although we are not aware of any theoretical reasons that self-esteem and

relational self-construal should differentially interact to predict behaviors that risk rejection to increase interdependence in non-White intimates, generalizations to other samples should be made with caution. Second, none of these studies examined the effects of self-esteem and relational self-construal on close, non-romantic types of relationships such as friendships or familial relationships. Although we are also not aware of any reasons to expect that the effects that emerged here should differ across different types of close relationships, future research may benefit by examining these effects in other types of relationships. Finally, although Studies 1 and 2 directly observed whether intimates disclosed their weaknesses or feelings of intimacy, none of these studies directly observed relationship behavior outside of a laboratory setting.

Conclusion

High self-esteem is frequently advocated and promoted. For example, bestselling books such as Nathaniel Branden's (1984) *Honoring the Self* and (1995) *The Six Pillars of Self-Esteem* claim (a) that low self-esteem is the cause of numerous psychological disorders, as well as under-achievement, substance abuse, domestic abuse, sexual disorders, suicide, and aggression, (b) that "there is no greater barrier to romantic happiness than the fear that [one is] undeserving of love" (Branden, 1995, pp. 7–8), and thus (c) that people should increase feelings of self-worth. The six studies described here, in contrast, join a recent growing body of research (e.g., Baker & McNulty, 2011; Baumeister, Campbell, Krueger, & Vohs, 2003) that challenges the idea that high self-esteem is universally beneficial, suggesting instead that whether self-esteem promotes or undermines behaviors that risk rejection to increase interdependence and thus possibly the quality of their relationships may depend on the context in which self-esteem is held.

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Correction to Baker and McNulty (2013)

In the article “When Low Self-Esteem Encourages Behaviors That Risk Rejection to Increase Interdependence: The Role of Relational Self-Control,” by Levi R. Baker and James K. McNulty (*Journal of Personality and Social Psychology*, Advance online publication, April 15, 2013. doi:10.1037/a0032137), the title of the article is incorrect. The title should have been “When Low Self-Esteem Encourages Behaviors That Risk Rejection to Increase Interdependence: The Role of Relational Self-Construal.” All versions of this article have been corrected.

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