Can Seeking Happiness Make People Happy? Paradoxical Effects of Valuing Happiness

Iris B. Mauss
University of Denver

Maya Tamir
Boston College and Hebrew University

Craig L. Anderson
University of California, Berkeley

Nicole S. Savino
University of Denver

Happiness is a key ingredient of well-being. It is thus reasonable to expect that valuing happiness will have beneficial outcomes. We argue that this may not always be the case. Instead, valuing happiness could be self-defeating, because the more people value happiness, the more likely they will feel disappointed. This should apply particularly in positive situations, in which people have every reason to be happy. Two studies support this hypothesis. In Study 1, female participants who valued happiness more (vs. less) reported lower happiness when under conditions of low, but not high, life stress. In Study 2, compared to a control group, female participants who were experimentally induced to value happiness reacted less positively to a happy, but not a sad, emotion induction. This effect was mediated by participants’ disappointment at their own feelings. Paradoxically, therefore, valuing happiness may lead people to be less happy just when happiness is within reach.

Keywords: happiness, goal pursuit, emotion regulation, well-being

Those only are happy who have their minds fixed on some object other than their own happiness. – Mill, 1873, p. 100

Happiness is a crucial ingredient of human well-being and health (Duckworth, Steen, & Seligman, 2005; Fredrickson, 1998; Lyubomirsky, King, & Diener, 2005) and, therefore, people generally value happiness (Diener, 2000; Myers, 2000). Indeed, in an acknowledgment of its value, the pursuit of happiness was identified as an “inalienable right” in the United States Declaration of Independence. However, there is substantial variation in the extent to which people value happiness (Eid & Diener, 2001). Whereas some view it as a nice thing to have every now and then, others see it as the sine qua non of their existence. The current investigation examines how such differences in valuing happiness affect people’s actual happiness and well-being. We based our operationalization of happiness on a prominent definition in the present cultural context, namely individuals’ emotional state (cf. Diener, 2000; Kahneman, Diener, & Schwarz, 1999).

At first glance, valuing happiness should lead to positive outcomes, because it is assumed that the more one values happiness, the happier one will be. Models of goal pursuit (e.g., Mischel, Cantor, & Feldman, 1996) generally back up this intuition. According to such models, people’s values determine what they want to achieve, which, in turn, will lead them to work toward that goal. This can be illustrated with an example from another domain: A person who highly values academic excellence will want to achieve high grades and, thus, study harder. All else being equal, valuing academic excellence will result in better grades. Applying this logic, valuing happiness should result in greater happiness.

At a second glance, however, a particular feature of goal pursuit may lead to possible negative outcomes of valuing happiness. People’s values determine not only what they want to achieve, but also the standards against which they evaluate their achievements (Carver & Scheier, 1981). The person who highly values academic achievement and wants to achieve high grades is bound to be disappointed at times when he falls short of his high standards. In the case of academic achievement, this may not matter for the goal at hand—someone can feel disappointed, but still achieve high grades. However, in the case of happiness, this feature of goal pursuit may lead to paradoxical effects, because the outcome of one’s evaluation (i.e., disappointment and discontent) is incompatible with one’s goal (i.e., happiness) (cf. Schonlau, Ariely, & Loewenstein, 2003). This reasoning leads to a counterintuitive hypothesis: People who highly value happiness set happiness standards that are difficult to obtain, leading them to feel disappointed about how they feel, paradoxically decreasing their happiness the more they want it.

Disappointment at one’s achievements should be most likely in situations that seem conducive to high achievement. For instance, people who value academic achievement are more likely to feel disappointed if they get a low grade at an easy class, compared to...
disappointment. We further expected this effect to be mediated by feelings of happiness. We hypothesized that making participants value happiness more would lead them to feel happy as well as an explicit, measure of mood. We anticipated this effect to be mediated by feelings of happiness. We hypothesized that a negative emotion induction. Our experimental manipulation was measuring participants' emotional reactions to either a positive or negative situation. We further expected this effect to be mediated by feelings of disappointment.

Little empirical research, to date, has directly tested these ideas. However, an experiment described in a chapter by Schooler and colleagues (2003) provides data consistent with the notion that the pursuit of happiness may cause decreased happiness. This study found that participants who were told to "try to make yourself feel as happy as possible" while they listened to a piece of hedonically ambiguous music reported feeling less positive mood, compared to a no-instruction control group. Although these findings offer relevant insight, they are difficult to fully judge because they are reported as part of a chapter. In addition, the study design calls for several extensions. First, the manipulation of happiness goals was explicit, raising questions about experimental demand. Second, mood was measured only explicitly and with self-reports, which raises additional questions about experimental demand and validity of such measures as the sole index of emotional state (cf. Mauss & Robinson, 2009). Third, in this study, emotional context was not manipulated. Because the model we described above leads one to predict paradoxical effects of valuing happiness in positive, but not negative, emotional contexts, research is needed that examines valuing happiness in multiple emotional contexts.

In sum, very little research has directly examined the idea that valuing happiness can negatively influence happiness. Therefore, the present research was aimed to examine this idea while addressing key limitations of existing research. Our approach was additionally guided by the wish to arrive at insights about longer term well-being correlates as well as shorter term causal effects of valuing happiness. Therefore we obtained converging evidence from a correlational and an experimental study (cf. Cronbach, 1957).

In a first study, we examined whether individual differences in valuing happiness are related to happiness and well-being. We hypothesized that the more people value happiness, the lower their happiness and well-being would be in relatively positive contexts (i.e., lower life stress), but not in relatively negative contexts (i.e., higher life stress). In a second study, we examined the causal effects of valuing happiness by experimentally manipulating it and measuring participants' emotional reactions to either a positive or a negative emotion induction. Our experimental manipulation was tailored to be relatively implicit, to ascertain that values, rather than perceived experimental demand, were manipulated. We additionally reduced experimental demand by obtaining an implicit, as well as an explicit, measure of mood. We hypothesized that making participants value happiness more would lead them to feel less happy in response to a relatively positive context (a happiness induction), but not a relatively negative context (a sadness induction). We further expected this effect to be mediated by feelings of disappointment.

Study 1

Study 1 tested whether the degree to which individuals value happiness is associated with happiness and well-being. To do so, we recruited adult female participants from the community. To assess a range of indices of happiness and well-being, we measured trait hedonic balance (i.e., ratio of positive to negative mood), subjective well-being, psychological well-being, and depression symptoms. To examine the moderating effect of context, we assessed levels of life stress that participants had experienced in the past 18 months. We predicted that valuing happiness would be associated with lower trait hedonic balance, subjective well-being, and psychological well-being, and greater depression symptoms under conditions of low, but not high, stress.

Method

Participants and procedure. Fifty-nine female participants (mean age = 37.6 years, SD = 12.3) were recruited from the Denver metro area through postings in online bulletins or in public areas, such as laundromats and local hospitals. To ensure sufficient variance in levels of stress, participants were recruited to have experienced a stressful life event (SLE) within 6 months prior to the session. SLEs were defined to participants as events with a distinct onset (i.e., a relatively acute, instead of a chronic, stressor) that had a significant negative impact on their lives. Examples were provided to clarify what we meant (e.g., divorce, injury to self, injury or death of a close family member, sudden unemployment, and exposure to crime). In addition, all participants were screened during an initial phone call to ensure that they met selection criteria. Because a pilot study showed no gender effects on happiness values (see below) and to minimize error variance in associations between well-being and stress levels (and thus isolate effects of happiness values), only women were recruited. Participants' self-reported ethnic background was 81% European American, 4% Asian American, 4% Hispanic American, 6% African American, and 5% either mixed-race or other. Participants reported a range of family income levels (ranging from less than $10,000/year to more than $50,000/year) and educational backgrounds (ranging from partial completion of high school to graduate degree). Participants completed all surveys online at home and received $15.

Measures.

Valuing happiness. Various measures exist that assess values and processes related to happiness, including values regarding specific emotions in specific situations (Matsumoto, 1990; Timmers, Fischer, & Manstead, 2003) and ideal affective states (Tsai, Knutson, & Fung, 2006). However, none of these scales captures the construct we set out to examine: valuing happiness to a potentially extreme degree. We thus developed a measure that would capture such values. Because our scale needed to correspond to the present, western cultural context, we equated happiness to a prominent definition in this context: an individual's positive hedonic state. We generated items by examining existing scales of emotion-related values (e.g., affect valuation, Tsai et al., 2006; emotion control values, Mauss, Butler, Roberts, & Chu, 2010) and by asking members of our research teams to describe their values regarding happiness. A process of validity and reliability checks yielded seven items, each rated on a 7-point Likert
scale from 1 (strongly disagree) to 7 (strongly agree).\textsuperscript{1} A pilot test ($N = 292$; 50% male; mean age = 39.8 years, $SD = 11.8$) indicated adequate internal consistency ($\alpha = .76$) and no gender differences, $t(290) = .77, p = .38$. An exploratory factor analysis supported that a one-factor solution was the most appropriate, with a first initial factor producing an Eigenvalue of 2.9 and explaining 41% of the variance. All seven items loaded positively on this factor, with all coefficients above .54. This factor was followed by one factor with an Eigenvalue of 1.2 that explained an additional 17% of the variance. Because the Eigenvalue of this factor was barely above 1 and because factor loadings on this factor were lower and did not yield a conceptually cohesive second factor, the one-factor solution was most appropriate.

Life stress. Stress was measured using the Life Experiences Survey (LES; Sarason, Johnson, & Siegel, 1978). The LES consists of 45 items assessing a range of potentially stressful events (e.g., death of a family member). Participants indicated for each item if a particular event had occurred in the past 18 months and the impact of that event ($+3 = extremely negative; -3 = extremely positive$). Like others (e.g., Herrington, Matheny, Curlette, McCarthy, & Penick, 2005), we only used the negative impact of events because positive events are less reliable predictors of well-being (e.g., Vinokur & Selzer, 1975). We summed impact ratings across all events to arrive at one cumulative stress score. Stress scores ranged from 0 to 39 ($M = 10.9, SD = 9.5$). To decrease the impact of two outliers ($>2 SD$s from the mean), we winsorized them to the 90th percentile (22.5). Stress was not related to age, ethnicity, family income, education, or valuing happiness ($ps > .13$).

Happiness and well-being. Trait hedonic balance was assessed as the ratio of positive over negative affect from the two 10-item subscales of the Positive and Negative Affect Schedule (Watson, Clark, & Tellegen, 1988). Subjective well-being was measured with the 5-item Satisfaction with Life Scale (Diener, Emmons, Larsen, & Griffin, 1985). Psychological well-being was assessed with the 18-item Scales for Psychological Well-Being (Ryff & Keyes, 1995). Depression symptoms were measured with the 22-item Inventory to Diagnose Depression (Zimmerman & Coryell, 1986). One item concerning suicidality was omitted from this scale due to Institutional Review Board concerns. All four measures were normally distributed according to tests of kurtosis and skewness. Scale descriptives and internal consistency coefficients are provided in rows 2 and 3 of Table 1.

### Results

A multivariate analysis of variance (MANOVA) with hedonic balance, psychological well-being, satisfaction with life, and depression symptoms as dependent variables and valuing happiness, stress level, and the valuing happiness by stress interaction as mean-centered, continuous predictor variables indicated significant effects of valuing happiness, $F(4, 49) = 4.9, p < .01, \eta^2_p = .29$, stress level, $F(4, 49) = 3.7, p < .01, \eta^2_p = .23$, and the valuing happiness by stress interaction, $F(4, 49) = 2.6, p < .05, \eta^2_p = .17$. Stress level was associated with lower hedonic balance, lower psychological well-being, less satisfaction with life, and higher levels of depression symptoms\textsuperscript{2} (see Table 1, row 4). Valuing happiness was associated with lower hedonic balance, lower psychological well-being, less satisfaction with life, and higher levels of depression symptoms (see Table 1, row 5). As expected, each of these main effects of valuing happiness was qualified by stress level, as indicated by significant interactions between valuing happiness and stress level (see Table 1, row 6). As illustrated in Figure 1 and summarized in Table 1, rows 7 and 8, simple slopes analyses (Aiken & West, 1991) indicated that at lower, but not higher, life stress, the more participants valued happiness, the lower their hedonic balance, psychological well-being, and satisfaction with life, and the higher their depression symptoms.\textsuperscript{3}

### Discussion

Results of Study 1 suggest that valuing happiness is not necessarily linked to greater happiness. In fact, under certain conditions, the opposite is true. Under conditions of low (but not high) life stress, the more people valued happiness, the lower were their hedonic balance, psychological well-being, and life satisfaction, and the higher their depression symptoms.

This pattern of associations was found across four distinct domains, including hedonic balance, subjective well-being, psychological well-being, and depression symptoms. Although these domains covary (absolute intercorrelations ranged from .67 to .82 in the present study), they are conceptually distinct (e.g., Ryff & Keyes, 1995; Ryff et al., 2006). Thus, the paradoxical effects of valuing happiness may not be constrained to hedonic well-being and are relatively reliable.

Although these findings are consistent with the hypothesis that valuing happiness can lead to less happiness, Study 1 is correlational and thus open to alternative interpretations. Most notably, associations between valuing happiness and well-being might be due to third variables or effects of well-being. For instance, being unhappy may lead people to value happiness to a greater extent. The fact that we found relationships between valuing happiness and outcomes only under conditions of low stress makes this interpretation less plausible, because it is difficult to explain why feeling unhappy would lead people to value happiness only when they experience low levels of life stress. Nonetheless, to bolster causal interpretations, an experimental manipulation of happiness values was necessary. Study 2 was designed to provide such a manipulation.

\textsuperscript{1} The seven items were as follows. 1. How happy I am at any given moment says a lot about how worthwhile my life is. 2. If I don’t feel happy, maybe there is something wrong with me. 3. I value things in life only to the extent that they influence my personal happiness. 4. I would like to be happier than I generally am. 5. Feeling happy is extremely important to me. 6. I am concerned about my happiness even when I feel happy. 7. To have a meaningful life, I need to feel happy most of the time.

\textsuperscript{2} Because variance of depression symptoms was greater in the higher than the lower stress group (at ± 1 SD of stress), we log-transformed depression symptoms, which yielded equal variances. All results were equivalent with log-transformed and nontransformed data. Therefore, figures and means present nontransformed scores.

\textsuperscript{3} Lack of effects in the group of highly stressed women were likely not due to floor effects, as Levene tests confirmed that there were equal variances across lower and higher stress groups.
Table 1

Study 1 Results

<table>
<thead>
<tr>
<th>Means (SDs)</th>
<th>Hedonic balance</th>
<th>Subjective well-being</th>
<th>Psychological well-being</th>
<th>Depression symptoms</th>
</tr>
</thead>
<tbody>
<tr>
<td>α</td>
<td>1.88 (.94)</td>
<td>3.92 (1.57)</td>
<td>4.53 (.80)</td>
<td>17.0 (10.9)</td>
</tr>
<tr>
<td>Standardized βs of main effects of stress</td>
<td>.92</td>
<td>.90</td>
<td>.87</td>
<td>.85</td>
</tr>
<tr>
<td>Standardized βs of main effects of valuing happiness</td>
<td>-.60***</td>
<td>-.55***</td>
<td>-.57***</td>
<td>.30*</td>
</tr>
<tr>
<td>Standardized βs of interactions between valuing happiness and stress</td>
<td>-.39**</td>
<td>-.33**</td>
<td>-.43***</td>
<td>.50**</td>
</tr>
</tbody>
</table>

Simple slopes analyses: Standardized βs of effects of valuing happiness at each level of stress

Low stress | -.75*** | -.60** | -.76*** | .59** |
High stress | .05 | -.03 | -.09 | -.13 |

Note. Rows 2 and 3: Descriptives and α of Trait Hedonic Balance, Subjective Well-being, Psychological Well-being, and Depression Symptoms; Row 4: Main Effects of Stress Level on Trait Hedonic Balance, Subjective Well-being, Psychological Well-being, and Depression Symptoms; Row 5: Main Effects of Valuing Happiness; Row 6: Interaction Between Hedonic Balance and Stress Level. Rows 7 and 8: Summary of Simple Slopes Analyses Decomposing the Interactions. N = 59.

*p < .05. **p < .01. ***p < .001.

Study 2

In Study 2, we examined the causal effects of happiness values. To do so, we experimentally manipulated the extent to which people valued happiness and assessed emotional reactions to a relatively positive and a relatively negative laboratory context. Compared to a control group, we expected participants who were led to value happiness to feel less happy in the positive, but not the negative, context. We further predicted that the effect of the experimental manipulation would be mediated by participants’ disappointment at their emotional reactions. To lead participants to value happiness while minimizing experimental demand, we used a fake newspaper article extolling the importance of happiness (cf. Hong, Chiu, Dweck, Lin, & Wan, 1999). This manipulation was geared to closely match the values we measured in Study 1. To manipulate emotional context in a standardized fashion (an important feature to rule out potential confounds such as positive emotional reactivity or the generation of particular emotional contexts by particular individuals), we used film clips pretested to induce happiness or sadness. Crossing these two factors (valuing happiness vs. experimental control and happy vs. sad context) resulted in four experimental groups: valuing happiness/happy emotion induction, valuing happiness/sad emotion induction, experimental control/happy emotion induction, and experimental control/sad emotion induction. Finally, to further minimize concerns about experimental demand, we used an implicit, as well as an explicit, measure of emotional experiences.

Method

Participants. Seventy women (mean age = 21.1 years, SD = 2.2) participated in exchange for course credit or $20. Participants’ self-reported ethnic background was 57.7% European American, 7.0% Asian American, 11.3% Hispanic American, 8.5% African American, 1.4% Pacific-Islander, 1.4% mixed, and 12.7% other or refused to report.

During the funneled debriefing (cf. Bargh & Chartrand, 2000), one participant (from the valuing happiness/sad film-clip group) expressed strong suspicion about the nature of the faux newspaper article manipulation and was excluded from analyses, leaving 69 participants.

Procedure. To minimize experimental demand, participants were told they were in a study about “TV programming.” Then, to neutralize and equate emotional states across participants, they watched a 2-min affectively neutral film clip. Participants were then randomly assigned to either a “valuing happiness” or a control manipulation. Participants in the “valuing happiness” condition were told the following:

“People who report higher than normal levels of happiness experience benefits in their social relationships, professional success, and overall health and well-being. That is, happiness not only feels good, it also carries important benefits: the happier people can make themselves feel from moment to moment, the more likely they are to be successful, healthy, and popular (. . .). In fact, recent research shows that people who are able to achieve the greatest amount of happiness (. . .) can experience long-term beneficial outcomes. (. . .).”

Participants in the control condition read the same paragraph, except that all references to happiness were replaced by “making accurate judgments.”

After participants underwent the valuing happiness manipulation, they were randomly assigned to watch either a happy or a sad 2-min film clip, pretested to primarily evoke the target emotion. The happy film clip showed a popular female figure skater win-

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4 To ensure that the experimental manipulation was effective, we ran a pilot study in which 40 participants were randomly assigned to either the experimental or the control manipulation and then completed the happiness values scale used in Study 1. Supporting the effectiveness of our manipulation, an ANOVA revealed that participants in the experimental condition valued happiness more than those in the control condition (Ms [SDs] = 4.6 [0.85] and 4.0 [0.75], respectively), F(1, 38) = 5.27, p = .03, η² = .12.

To ensure that the experimental manipulation itself did not lead to differences in mood, we ran another pilot study in which 37 participants were randomly assigned to either the experimental or the control manipulation and then watched a 2-min emotionally neutral film clip. They then rated their mood, using the same measure used in Study 2. Supporting that the manipulation paragraphs per se did not lead to differences in mood, an ANOVA revealed that participants in the two conditions did not differ from one another in terms of hedonic balance (Ms [SDs] = 3.3 [1.83] and 3.5 [2.29], respectively), F(1, 35) = .04, p = .84, η² = .001. The randomization check from Study 2 confirmed these results.
ning a gold medal, the audience’s enthusiastic reaction, and her celebrating with her coach. The sad film clip showed a happy couple in love spending a night out dancing, the wife’s sudden death, and ends with the husband arriving to an empty home (cf. Rottenberg, Ray, & Gross, 2007). After watching the film clip, participants completed an implicit measure of their emotional state, in which they rated how much they liked each of two abstract polygons (α = .67), provided in one random order. Positive feelings tend to be associated with more positive judgments (e.g., Mayer & Hanson, 1995), and thus greater liking of the polygons indicates more positive mood.

To explicitly measure emotional state, participants then rated on a 1 (none) to 9 (extremely) scale the maximal extent to which, during the film clip, they had experienced two positive emotions (joy and happiness; α = .96) and seven negative emotions (anxiety, sadness, shame, worry, nervousness, frustration, and tension; α = .90). As in Study 1, we formed an index of hedonic balance by taking the ratio of positive to negative emotion. The correlation between the implicit and the explicit measures was positive but modest (r = .29, p = .01), indicating that the two measures were not redundant with one another.

To ascertain the effectiveness of the happiness values manipulation, participants then rated to what extent they had “tried to feel more positive during the previous film clip” on a 1 (none) to 9 (extremely) Likert scale. To assess a key mediator, participants rated to what extent they had “felt disappointed during the previous film clip” and “should have enjoyed the film clip more” on a 1 (none) to 9 (extremely) Likert scale (α = .68). All measures were normally distributed according to tests of kurtosis and skewness.

Results

Randomization check. After watching the neutral film clip and before the experimental manipulation, the four experimental groups did not differ from one another in terms of hedonic balance, implicit mood, attempts to feel more positively, and disappointment, as indicated by four ANOVAs with values condition and film-clip valence as independent variables, \( F(1, 65) < .79, p > .40 \).

Manipulation check: Emotional film clips. The film clips induced the intended emotions, as indicated by hedonic balance in the control group, which was greater for the happy than for the sad film clip, groupwise \( t(33) = 8.96, p < .001 \), greater for the happy than for the neutral film clip, pairwise \( t(16) = 2.24, p = .04 \), and lower for the sad than for the neutral film clip, pairwise \( t(17) = 5.97, p < .001 \) (Means [SDs] happy film clip: 5.8 [2.3]; sad film clip: 0.9 [0.6]; neutral film clip: 4.4 [2.1]).

Manipulation check: Effectiveness of the valuing happiness manipulation. An ANOVA with values condition and film valence condition as independent variables indicated that the values manipulation worked as intended. Participants in the valuing happiness condition indicated that they tried harder than those in the control condition to feel positively, \( F(1, 65) = 16.79, p < .001 \), \( \eta^2 = .21 \) (Means [SDs] valuing happiness group: 4.7 [1.9], control group: 2.6 [2.3]). There were no effects involving film-clip valence on participants’ attempts to feel more positively, \( F(1, 65) < 1.26, p > .27 \).

Effects of valuing happiness on explicitly measured emotion. We predicted that leading participants to value happiness (compared to the control group) would lead them to experience more negative hedonic balance in a happy, but not a sad, emotional context. Consistent with this hypothesis, an ANOVA with happiness values condition and film valence condition as independent variables and explicitly measured emotion as a dependent variable indicated a significant Happiness Values × Film Valence interac-
tion, $F(1, 65) = 5.65, p = .02, \eta^2_p = .08$ (see Figure 2). Follow-up $t$ tests indicated that participants who were led to value happiness exhibited more negative hedonic balance than participants in the control condition during the happy film clip, $t(33) = 2.46, p = .02, \eta^2_p = .15$, but not the sad film clip, $t(32) = -.83, p = .41$.

Effects of valuing happiness on implicitly measured emotion. We ran a similar analysis to the one used for explicitly measured emotion, using implicitly measured emotion as the dependent variable. As predicted, we found a significant Happiness Values × Film Valence interaction, $F(1, 65) = 5.47, p = .02, \eta^2_p = .08$ (see Figure 3). Follow-up $t$ tests indicated that participants who were led to value happiness more were in a less positive emotional state than participants in the control condition after the happy film clip, $t(33) = 2.65, p = .01, \eta^2_p = .18$, but not after the sad clip, $t(32) = -.42, p = .68$.

Disappointment as a mediator. To test whether effects of the values manipulation were mediated by disappointment, we followed procedures suggested by Baron and Kenny (1986). Because our sample was relatively small, a bootstrapping method was used to test the indirect effect (cf. Preacher & Hayes, 2004). As discussed above, the happiness values manipulation affected emotional reactions to the happy film clip. The happiness values manipulation also affected disappointment during the happy film clip, $t(33) = -2.06, p = .05, \eta^2_p = .11$, such that participants led to value happiness more were more disappointed about their emotional state than participants in the control condition ($M$s [SDs] = 3.06 [2.55] and 1.71 [1.08] in the happiness values and control groups, respectively). Disappointment, in turn, was negatively associated with explicitly measured emotion (hedonic balance), standardized $\beta = -.61, p < .001$. When both happiness values condition and disappointment were included as predictors of hedonic balance, the effect of happiness values condition was no longer significant, $p = .19$, indicating full mediation. Last, bootstrapping tests with 5,000 resamples estimated the indirect effect for hedonic balance as $-.33, SE = .22, 95\% CI$ (bias corrected) = $- .83$ to $-.02$.

Disappointment about emotional state was only marginally correlated with implicitly measured emotion, standardized $\beta = -.30, p = .08$, and thus we did not further test for mediation.

Figure 2. Study 2: Mean hedonic balance (explicitly measured positive/negative emotion ratings) as a function of experimental condition (control vs. valuing happiness) and emotional context (happy vs. sad film). Error bars are standard error of the mean (SEM).

Discussion

Using an experimental manipulation, Study 2 demonstrates that valuing happiness can lead to less happiness, precisely in a situation that should give rise to it, namely a happy emotion induction. Supporting the reliability of this finding, this pattern was obtained using both an explicit and an implicit measure of emotion. These findings are consistent with the idea that valuing happiness leads to less happiness by setting people up for disappointment. Indeed, the effects of valuing happiness on emotional reactions were fully mediated by participants’ disappointment about their feelings.

Interestingly, mediation by disappointment was only obtained when using the explicit, but not the implicit, measure of emotion, because the implicit measure of emotion was only marginally related to disappointment. Indeed, the correlation between implicit mood and disappointment was significantly smaller than the correlation between explicit mood and disappointment (Steiger’s $Z = 3.16, p < .01$). There are at least two plausible explanations for this dissociation. First, it may be that disappointment (as measured with self-reports) shares less method variance with the implicit than with the explicit measure (Greenwald & Banaji, 1995). Second, it may be that valuing happiness influences implicit and explicit aspects of mood via two different pathways (Greenwald & Banaji, 1995; Nosek, 2007). Whereas explicit aspects of mood may be influenced more via disappointment, implicit aspects of mood may be influenced by a different process. For example, disappointment may mediate effects on explicitly measured mood, whereas less declaratory processes, such as self-monitoring, may mediate effects on implicitly measured mood. This may be because disappointment takes its effects when it becomes conscious and

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5 Because variances differed between the four groups, we log-transformed hedonic balance, which yielded equal variances. All results were equivalent with log-transformed and nontransformed data. Therefore, figures and means present nontransformed scores.

6 A Levene test confirmed that variances were equal across the happy and the sad emotion induction conditions, suggesting that null effects in the sad film condition were not due to floor effects.
PARADOXICAL EFFECTS OF VALUING HAPPINESS

People’s values influence self-regulation in two ways. First, the more people value a particular outcome, the more effort they exert to attain it (e.g., Emmons, 1991). Second, the more people value a particular outcome, the higher the standards they apply when evaluating the outcomes of self-regulation (Carver & Scheier, 1981) and, so, the more likely they are to feel disappointed at their progress. When goals are not emotional (e.g., academic), goal achievement can be independent from how people feel about their achievement (i.e., one can be disappointed and yet achieve high grades). However, this is not the case when goals are emotional in nature (e.g., to feel happy). In this case, high values may adversely affect goal achievement by influencing how people feel about their achievements (i.e., the disappointment one feels undermines one’s happiness). In these cases, values can lead to paradoxical effects. In line with this logic, the present studies demonstrate that the more people value happiness, the less happy they are in positive situations, because they feel disappointed at their feelings.

This reasoning suggests two more general hypotheses. First, paradoxical effects should occur when people pursue any emotion-regulatory goal, because in this case, goals and how people feel about their progress toward their goals both involve feelings, and hence, may be in conflict with one another. Second, all else being equal, paradoxical effects should be less likely to occur when people pursue non-emotion-regulatory goals, because then goals and how people feel about their progress toward their goals are not in conflict with one another. Future research should examine these hypotheses.

One might argue that simply wanting to be happy or simply becoming aware of one’s happiness could impair happiness (Deci, Koestner, & Ryan, 1999; Schooler et al., 2003; Schooler & Mauss, 2010; Wegner, 1994). However, our findings suggest that the paradoxical effects of valuing happiness are not due to pursuing happiness as a goal or awareness of it, but rather to how people evaluate their progress toward this goal. In Study 2, leading participants to value happiness more increased their attempts to feel more positively, regardless of film-clip valence. Yet, only participants who also watched a happy film clip felt disappointed and ended up feeling less happy. This suggests that attempts to feel happier or greater awareness of one’s happiness by themselves do not necessarily lead to less happiness. Rather, it appears to be the negative evaluation of one’s self-regulatory attempts that impairs happiness, and this is most likely in contexts perceived to be conducive to happiness.

Implications for Happiness Research and Interventions

Happiness is generally highly valued (Eid & Diener, 2001). In fact, one might accuse modern-day Westerners to be obsessed with happiness, considering the ever-growing number of psychological and popular-science books examining happiness and how people can increase it (e.g., Diener & Biswas-Diener, 2008; Eid & Larsen, 2008; Gilbert, 2006; Lyubomirsky, 2008; Seligman & Csikszentmihalyi, 2000; Shimoff & Kline, 2009). Thus, the finding that highly valuing happiness is associated with negative outcomes has important implications.

The present findings suggest that further encouraging a mindset to maximize happiness (as some “self-help” books do) may be counterproductive, in that it might increase the extent to which people value happiness, making them more vulnerable to paradoxical effects. Conversely, it may be advantageous to encourage people to follow John Stuart Mill’s suggestion not to have their mind fixed on their personal happiness. Indeed, decreased valuing of happiness might be one of the active ingredients of acceptance of negative emotional experiences (Roemer, Salters, Raffa, & Orsillo, 2005; Shallcross, Troy, Boland, & Mauss, 2010) and of acceptance-based therapies (Hayes, Strosahl, & Wilson, 1999), which aim to enhance clients’ acceptance of the full range of emotions, including negative ones.
Importantly, the present findings do not suggest that valuing happiness is always self-defeating. Valuing happiness could lead to greater happiness if people are given the right tools to pursue it (e.g., emotion-regulatory abilities; cf. Gilbert, 2006; Lyubomirsky, 2008; Troy, Wilhelm, Shallcross, & Mauss, 2010), or if they define happiness more broadly than their personal emotional state, as the present operationalization of happiness encouraged them to do. Valuing other types of happiness (e.g., those based on social engagement; Fredrickson, Cohn, Coffey, Pek, & Finkel, 2008; Keltner, 2009; Kesebir & Diener, 2008; Konow & Earley, 2008; Ryff & Singer, 2008) might circumvent the paradoxical effects described here, because in this case, one’s happiness goals would be dissociated from how one feels about one’s progress toward them.

Our findings raise the interesting question of whether happiness values might systematically affect cultural groups. For instance, Americans value happiness highly, in international comparison (Eid & Diener, 2001). All else being equal, do these high values for happiness impair the happiness of Americans, compared to members of other cultures? A study of the effects of happiness values on well-being across nations is yet to be undertaken. However, our findings offer an intriguing explanation for the vexing paradox that, even in the face of objectively positive life circumstances, nations generally do not become happier (Easterlin, 1973).

It is conceivable that only the most extreme levels of happiness values lead to negative consequences for individuals’ happiness (cf. Oishi, Diener, & Lucas, 2007). To examine this possibility, we tested nonlinear relationships between happiness values and outcomes in Study 1. There was no evidence for nonlinear relationships, suggesting that it is not just at its extremes that valuing happiness affects people’s well-being. Nonetheless, the happiness values scale in Study 1 and the experimental manipulation of happiness values in Study 2 target relatively extreme cases (e.g., “Feeling happy is extremely important to me”). Future research should explore at what point valuing happiness becomes harmful.

**Limitations and Conclusion**

As with any research, ours is not without limitations. First, the present research was conducted exclusively with female participants living in the United States. Study 1 extends generalizability of the present effects by providing a community sample of women with a large range of ages, in addition to the college sample examined in Study 2. Also, pilot testing suggested no gender effects in happiness values. Nonetheless, given that cultures differ in their values regarding emotions and in how they define happiness (Eid & Diener, 2001; Frijda & Mesquita, 1995; Tsai et al., 2006), it will be important to examine whether the current findings generalize to men and other cultural contexts.

A second limitation concerns our mediational findings. In Study 2, we found that disappointment about one’s feelings mediated the effects of valuing happiness on emotional reactions to the films. Although encouraging, this finding needs to be interpreted cautiously. Given our cross-sectional approach, the mediation findings can only hint at mechanism. Future studies that manipulate disappointment or use longitudinal designs will provide more conclusive evidence. In addition, it will be important to explore other mediators—of the experimental effects as well as of the individual differences in valuing happiness, including experiential avoidance, self-monitoring, materialism, extrinsic motivation, and social belonging (cf. Lyubomirsky & Lepper, 1999; Schooler et al., 2003; Shallcross et al., 2010; Van Boven & Gilovich, 2003). The fact that Study 2 showed that disappointment acted as a mediator does not preclude other mediators to be at work as well.

Our findings point at important directions for future research, exploring a fascinating paradox. Although happiness is regarded as one of the most basic, rational human pursuits, valuing happiness—as many people do—can backfire.

**References**


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