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Expectations Are More Predictive of Behavior Than Behavioral Intentions: Evidence From Two Prospective Studies

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Expectations Are More Predictive of Behavior Than Behavioral Intentions: Evidence From Two Prospective Studies

**Background.** Understanding the gap between people’s behavioral intentions and their subsequent behavior is a key problem for behavioral scientists, but little attention has been paid to how behavioral intentions are operationalized.

**Purpose.** Test the distinction between asking people what they intend to do, as opposed to what they expect they will do.

**Methods.** Two studies were conducted in the domains of alcohol consumption \((N = 152)\) and weight loss \((N = 141)\). Participants completed questionnaires assessing their behavioral intentions, expectations and self-efficacy at baseline; alcohol consumption/weight were assessed at both baseline and follow-up.

**Results.** In Study 1, expectations were more predictive of alcohol consumption than behavioral intentions, controlling for baseline alcohol consumption and self-efficacy. In Study 2, changes in expectations were more predictive of weight loss than changes in behavioral intentions, controlling for baseline weight and self-efficacy.

**Conclusion.** The findings support a potentially important distinction between behavioral intentions and expectations.

KEY WORDS: behavioral intention, expectation, obesity, alcohol.
Expectations Are More Predictive of Behavior Than Behavioral Intentions: Evidence From Two Prospective Studies

Behavioral intentions – an aim or a plan and an index of how hard people are willing to try to perform a particular behavior (1) - is a key concept in the psychology of behavior change, yet people’s reported behavioral intentions are not always closely aligned with their subsequent actions (2). One explanation for this gap between people’s stated intentions and their subsequent behavior centers on whether people are asked what they intend to do (e.g., “I intend to do x”), as opposed to what they expect they will do (e.g., “How likely is it that you will do x?” [3]). The rationale behind this distinction is that although someone may have a strong intention to change their behavior, they think it unlikely that they will actually do so (e.g., because of the barriers that stand in their way).

The evidence to date suggests that people’s expectations are often more accurate than their behavioral intentions. For example, Rothschild and Wolfers (4) showed that, among 77 polls where voters’ intentions and expectations diverged, expectations correctly forecasted the outcome in 60 (78%) of the polls. Accordingly, expectations have been found to be more predictive of behavior than intentions, confirming the importance of this distinction (5).

Despite this, measures of behavioral intention and expectation are routinely conflated, perhaps because theorists and researchers have assumed that self-efficacy (“confidence in one’s own ability”) bridges the gap between behavioral intentions and behavior by tapping the factors that may facilitate or inhibit performance of a behavior (1). According to Warshaw and Davis (3), the reason why expectations might be more predictive of behavior than behavioral intentions is that expectations tap into perceptions of facilitators and inhibitors (3). If this is the case, then measuring behavioral intention and self-efficacy together should be as predictive as expectations. However, Armitage and Conner’s (2) meta-analysis showed that self-efficacy explained more additional variance in behavior (2%) when
measures of expectation were used than when measures of behavioral intention were used (1%). The implication is that self-efficacy does not explain differences in the predictive validity of behavioral intentions versus expectations. As noted above, measures of behavioral intention and expectation are routinely conflated and, in the period since Armitage and Conner’s (2) meta-analysis, we were able to locate just one study (10) that examined the distinction between behavioral intention and expectation, and controlled for self-efficacy.

McConnon et al. (10) tested the hypothesis that expectations would be more predictive of weight loss than behavioral intentions, but reported null findings. However, the items that McConnon et al. (10) used to measure behavioral intention and expectation were framed in terms of “preventing weight gain in the next six months,” yet the study examined only weight at the eight-week follow-up, meaning that Ajzen’s (1) principle of compatibility was breached.

The aim of the present research was – 25 years after Sheppard et al.’s (5) meta-analysis – to see whether the distinction between behavioral intention and expectation is still relevant when self-efficacy is statistically controlled. If expectations do tap into perceptions of facilitators and inhibitors, then measuring behavioral intention and self-efficacy together should be as predictive as expectations (3). However, Armitage and Conner’s (2) meta-analysis suggests that expectations may be tapping more than just facilitators and inhibitors.

**Study 1**

Excess alcohol consumption exerts significant economic and social costs on society. For example, despite high-profile public health campaigns and legal restrictions designed to reduce alcohol consumption, alcohol-related admissions to English hospitals increased from 510,800 in 2002-03 to 1,057,000 in 2009-10 (11). Thus, Study 1 was designed to identify predictors of alcohol consumption that would be amenable to change.
It was hypothesized that, controlling for past drinking behavior and self-efficacy, expectations would be the dominant predictor of subsequent alcohol consumption compared to behavioral intention.

Method

Design

A prospective correlational study with two waves of data collection: Baseline (Thursday) and follow-up (the following Monday). Demographic variables, alcohol consumption, behavioral intention, expectation and self-efficacy were measured at baseline, with a repeat measure of alcohol consumption taken at follow-up.

Participants and Procedure

The participants in the study were a convenience sample of 152 University students (42 males; 110 females) recruited via lectures. Each participant completed anonymous questionnaires about drinking alcohol on a Sunday privately on two occasions: The first questionnaire was completed on the Thursday prior to the Sunday and the second questionnaire was completed on the following Monday. Based upon a personal code we were able to match 152 baseline and follow-up responses and analysis was based on these individuals. In asking about a specific day, only three days in the future, we hoped to maximize the chance of having a strong predictive effect. In measuring behavior the day after it had occurred we hoped to minimize bias due to poor recall. Ethical approval was gained from the appropriate internal review board.

Measures

The measures were assessed on 7-point scales scored -3 to +3 for the measures of behavioral intention and expectation and +1 to +7 for the self-efficacy items. The items used to measure behavioral intention and expectation were based on Armitage and Conner (2).
Behavioral intention with respect to “drinking alcohol next Sunday” was assessed by presenting participants with the item: “I intend to drink alcohol next Sunday definitely do not- definitely do.” Expectation was assessed with the item: “How likely is it that you will drink alcohol next Sunday? unlikely-likely.” Self-efficacy was assessed with five items: “Whether I drink alcohol next Sunday is entirely up to me strongly disagree-strongly agree;” “I am confident that I could avoid drinking alcohol next Sunday if I wanted to strongly agree-strongly disagree;” “How much control do you think you have over drinking alcohol next Sunday no control-complete control;” “I would like to avoid drinking alcohol next Sunday but don’t know if I can strongly agree-strongly disagree;” and “For me, drinking alcohol next Sunday will be difficult-easy.” Cronbach’s α for the scale indicated a lack of internal reliability (α = .45) and so the five items were treated independently in the subsequent analyses.

Alcohol consumption was measured at both baseline and follow-up using an adapted timeline follow-back procedure (12). Participants were asked at both baseline and follow-up to describe the quantity and types of alcohol they had drunk on the preceding Sunday, which were subsequently converted into standard units (8 grams ethanol = 1 unit) of alcohol.

**Results**

The means, standard deviations and intercorrelations between the key variables are presented in Table 1. Evidence for discriminant validity between behavioral intention and expectation is provided by the intercorrelation at baseline, $r = .68$, which is significantly weaker than unity (i.e., by more than twice the standard error, $SE = .05$). Both behavioral intention and expectation were significantly correlated with subsequent alcohol consumption, but the correlation between subsequent alcohol consumption and expectation was stronger, $r = .41$, $p < .01$, than that between subsequent alcohol consumption and behavioral intention, $r = .22$, $p < .01$; a difference that was statistically significant (95%CI = 0.07, 0.31, $p < .05$, [13]).
Follow-up alcohol consumption was regressed on behavioral intention, expectation, self-efficacy, and past alcohol consumption (Table 2). Together, these variables accounted for 26% of the variance in subsequent alcohol consumption, $F(8, 143) = 6.41, p < .01$. Prior alcohol consumption and expectation were the only significant predictors of subsequent alcohol consumption, with expectation being the stronger predictor.

In order to test whether expectation mediated the effects of prior alcohol consumption on subsequent alcohol consumption, bootstrapping procedures for testing multiple potential mediators were used (14). The analyses presented here are based on 10,000 resamples of random subsets of data. Thus, the independent variable was prior alcohol consumption; the mediators were behavioral intention, expectation and self-efficacy; the dependent variable was subsequent alcohol consumption. The confidence intervals associated with behavioral intention and self-efficacy both contained zero meaning that these variables did not significantly mediate the effects of prior alcohol consumption on subsequent alcohol consumption. However, the confidence intervals associated with the indirect effect of expectation did not contain zero (95% CI = .02, .12). Thus, the effect of prior alcohol consumption on subsequent alcohol consumption was significantly ($p < .05$) mediated by expectation.

**Discussion**

The key findings from Study 1 were that expectation was more predictive of subsequent alcohol consumption than was behavioral intention, and that expectation significantly mediated the effect of past behavior on future behavior. This is potentially important because controlling for baseline alcohol consumption in this way means that any variable that explains additional variance in subsequent alcohol consumption provides some evidence for cause-and-effect relations (15), and it is notable that expectations were more closely related to subsequent behavior than was behavioral intention.
From a public health perspective, it is plausible that challenging people’s expectations (as opposed to their behavioral intentions or self-efficacy) might be an effective means of bringing about changes in alcohol consumption. At least, targeted resources designed to reduce alcohol consumption among people who expect they will drink in the future might be a valuable strategy worthy of further research attention.

However, Study 1 suffered from several limitations. First, the internal reliability of the self-efficacy measure was poor. Given that self-efficacy should compensate for the lack of consideration of potential barriers (3), it would be valuable to replicate the study with an improved measure of self-efficacy. Second, Study 1 was conducted in a single domain (alcohol consumption), limited to a student sample, had a relatively short follow-up (Thursday-Monday), and a self-reported outcome measure. Study 2 was therefore designed to address these limitations.

**Study 2**

Study 2 was designed to extend Study 1 by examining the distinction between behavioral intention and expectation: (a) in a non-student, treatment-seeking sample; (b) using 6-month follow-up; and (c) employing superior measures, namely, an improved self-efficacy measure and an objective outcome measure (weight).

Initial weight loss is relatively common among overweight/obese people in weight loss programs, but the majority (c. 80%, [16]) do not sustain these initial changes in weight. Identifying modifiable predictors of sustained weight loss is therefore important in enhancing the effectiveness of weight loss programs. Teixeira et al.’s (17) systematic review of the predictors of weight control identified “self-motivation” as a potential target.

Recently, McConnon et al. (10) tested the hypothesis that expectations would be more predictive of weight loss, but reported null findings. As noted above, the measures in McConnon et al.’s (10) study breached Ajzen’s (1) principle of compatibility, which we
sought to address in the present study, along with an examination of longer-term behavior change. In addition, we sought to extend McConnon et al.’s (10) work by considering changes in behavioral intentions and expectations as a result of initial weight loss to see whether these changes are predictive of sustained weight loss. Taking account of possible changes in “self-motivation” is important because effective regulation of behavior is contingent on ongoing assessments of feedback (18). Given that people’s expectations are likely to be more responsive to initial weight loss than people’s intentions, initial changes in expectation should be more predictive of sustained weight loss (3). Our review of the literature revealed no previous studies examining changes in participants’ expectations in relation to weight loss.

Most of the research into tackling the overweight/obesity problem has been conducted in the US and Europe, yet this volume of research does not reflect the distribution of excess weight globally. The present research was conducted in Kuwait, where 80% of adults are overweight ([19]; cf. 38% in England [20]). To date, no studies have examined psychological predictors of sustained weight loss anywhere in the Middle East.

In the present study it was hypothesized that, controlling for initial weight loss (the dominant predictor of sustained weight loss [21]) and self-efficacy: (a) expectations will be better predictors of sustained weight loss than behavioral intentions, and (b) changes in expectations will mediate the effects of initial weight loss on sustained weight loss.

Method

Design

This was a prospective correlational study with three waves of data collection: Baseline, four-week follow-up and six-month follow-up, the latter two of which map on to the standard definitions of “initial” and “sustained” weight loss, respectively (21, 22). Demographic variables, dieting history, height, weight, intention, expectation and self-
efficacy were measured at baseline, with repeat measures of intention, expectation and self-efficacy taken at four-week follow-up. Weight was extracted from clinic records at the four-week and six-month follow-ups.

**Participants and Procedure**

Receptionists at private weight loss clinics in Kuwait City invited new registrants with body mass indices >25 to participate in the research. No incentive was offered for participation and, of the 273 people who were approached initially, 141 (51.6%) agreed to participate in the study. The baseline sample consisted of 123 women and 18 men aged between 20 and 65 ($M = 32.1$ years, $SD = 12.41$). Fourteen (9.9%) participants had no formal qualifications and 44.0% ($n = 62$) had degree-level qualifications. The clinics provided weekly one-to-one sessions with a dietician who focused on realistic goal setting and personalized feedback to support very low calorie diets and moderate physical activity.

Ninety-eight (69.5%) people from the baseline sample were successfully contacted again at four-week follow-up and 90 (63.8%) people from the baseline sample consented to provide six-month follow-up data. MANOVAs revealed no significant differences in baseline variables between those who remained in the study and those who withdrew at either four-weeks, $F(6, 91) = 0.27, p = .95, \eta^2_p = .02$, or six-months, $F(6, 83) = 0.82, p = .55, \eta^2_p = .05$. All data were analyzed according to intention-to-treat, with the last observations being carried forward where data was missing. The patterns of findings remained the same without analyzing according to intention-to-treat, excepting that the effect sizes were larger than those reported here. The University Research Ethics Committee gave approval for the research.

**Measures**

The measures of behavioral intention and expectation were identical to those used in Study 1 and were assessed on 7-point unipolar (+1 to +7) scales. The measure of self-efficacy was different and was designed to overcome the lack of internal reliability identified
Expectations versus behavioral intentions

in Study 1. All items were forward and backward translated between Arabic and English prior to administration. Consistent with Study 1, the items used to measure behavioral intention and expectation were based on Armitage and Conner (2). Thus, behavioral intention was measured using, “I intend to lose weight definitely do not-definitely do;” and expectation was: “How likely is it that you will lose weight? very unlikely-very likely.” The self-efficacy measure was adapted from Armitage (23): “How confident are you that you will be able to lose weight? not very confident-very confident;” “My losing weight is/would be…difficult-easy;” and “I believe I have the ability to lose weight definitely do not-definitely do.” Cronbach’s α indicated good internal reliability at baseline, α = .71 and four-week follow-up, α = .76. Residualized change scores were used to capture changes in weight and motivation over time. Initial weight loss was computed by regressing four-week weight on baseline weight and sustained weight loss was computed by regressing six-month weight on baseline weight.

Results

The means, standard deviations and intercorrelations between the key variables are presented in Table 3. As one would anticipate from new registrants at weight loss clinics, intention to lose weight was extremely positive, with mean values greater than six on 7-point scales. Expectation and self-efficacy scores were also positive, but were significantly lower than intention, \( F_{baseline}(2, 137) = 107.40, p < .001, \eta_p^2 = .61; \) \( F_{4 \text{ week follow-up}}(2, 137) = 74.61, p < .001, \eta_p^2 = .52. \) Further evidence for discriminant validity between intention and expectation is provided by the modest intercorrelations at baseline and 4-week follow-up (\( rs < .24, \) Table 3). Change in expectations between baseline and four-week follow-up were significantly correlated with sustained weight loss, \( r = -.32, p < .001, \) as were changes in self-efficacy, \( r = -.29, p < .001, \) but change in behavioral intention was not, \( r = -.12, p = .15. \)
Predictors of initial weight loss were identified by regressing four-week weight loss on behavioral intention, expectation and self-efficacy (controlling for baseline weight). However, none of the variables emerged as significant predictors of initial weight loss (Table 4).

The effects of initial weight loss, behavioral intention, expectation and self-efficacy on sustained weight loss (i.e., at six months) were also tested using multiple regression (Table 4). Sustained weight loss was regressed on initial weight loss and measures of intention, expectation and self-efficacy in three separate analyses. The first and second analyses focused on the predictive validity of baseline and four-week measures of behavioral intention, expectation and self-efficacy on sustained weight loss, respectively. In both analyses, only initial weight loss significantly predicted sustained weight loss.

The third analysis regressed sustained weight loss on the changes in intention, expectation and self-efficacy that occurred during the first four weeks of the study (Table 4). Together, these variables accounted for 56% of the variance in sustained weight loss, $F(4,136) = 42.55, p < .001$. Greater initial weight loss was strongly and significantly associated with sustained weight loss, importantly change in expectation was also significantly associated with sustained weight loss.

In order to test whether the changes in expectations mediated the effects of initial weight loss on subsequent weight loss, bootstrapping procedures for testing multiple potential mediators were used (14). The analyses presented here are based on 10,000 resamples of random subsets of data. Thus, the independent variable was initial weight loss (baseline to four weeks); the mediators were changes in each of intention, expectations and self-efficacy; the dependent variable was sustained weight loss. The confidence intervals associated with changes in intention and self-efficacy all contained zero meaning that these variables did not significantly mediate the effects of initial weight loss on subsequent weight loss. However,
the confidence intervals associated with the indirect effect of expectation did not contain zero (95% CI = .02, .12). Thus, the effect of initial weight loss on sustained weight loss was significantly ($p < .05$) mediated by initial increases in expectation.

**Discussion**

This is the first study to have examined predictors of sustained weight loss in either Kuwait or the Middle East more broadly. Consistent with research conducted in the West, greater initial weight loss was the dominant predictor of sustained weight loss (17). Moreover, we were able to extend the findings of Study 1 by showing that changes in expectations were predictive of subsequent weight loss. It is notable that neither self-efficacy, behavioral intention nor expectation were predictive of initial weight loss, meaning that adjustments to weight loss expectations play a larger role in sustaining weight loss over a period of six months. The implication is that directly managing people’s expectations in relation to their experience of (lack of) weight loss may be a valuable adjunct to weight management programs that is worthy of exploration in future research.

However, Study 2 suffered from several limitations. First, the sample consisted mostly of women under the age of 45, meaning that caution should be adopted before generalizing the findings too broadly. Second, given that no studies have examined psychological predictors of sustained weight loss anywhere in the Middle East, it is plausible that cultural context may have influenced the pattern of findings. More specifically, Kuwait is a predominantly Muslim country, but without cross-cultural research, it is impossible to determine whether cultural differences exist and how these might be manifest in the present patterns of findings.

**General Discussion**

Measures of behavioral intention and expectation have most commonly been used to form a single “intention” scale (2), but the present research supports Warshaw and
colleagues’ contention that intentions and expectations are distinct and that expectations are more predictive of behavior than intentions (3, 5). The implication is that greater attention should be paid to people’s expectations (as opposed to behavioral intentions) and that attempts to change behavior might be targeted at asking people to explore their expectations. Future research could usefully explore further distinctions, for example the roles of likelihood and desires (24) in predicting behavior and behavior change, in addition to the distinction between behavioral intentions and expectations in predicting behavior and behavior change examined in the present research.

A key question is why expectations are more predictive than behavioral intentions. According to Warshaw and Davis (3), this is because intentions tap people’s motivation to act in a certain way without taking into account potential barriers, yet expectations do take potential barriers into account. However, consistent with Armitage and Conner’s (2) meta-analysis, self-efficacy seemed not to plug this gap – expectations were more predictive of behavior than intentions even when self-efficacy was statistically controlled.

The implication is that asking people about their expectations captures more than a consideration of the potential barriers, and one possible explanation is that asking people about their expectations elicits more reflective processing than asking them about their intentions. Rothschild (25) found that prediction markets were better able to forecast electoral outcomes than were aggregated polls of voter intentions, and Rothschild and Wolfers (4) argue, “that much of the accuracy of prediction markets could be obtained simply by polling voters on their expectations, rather than intentions” (p. 2). Given that prediction markets involve monetary gambles by traders, the implication is that these decisions were made on the basis of reflective processing, and it is plausible that simply asking about expectations might similarly elicit more reflective processing than asking about behavioral intentions. Note that prompting this reflective mode of processing might be preferred to
relying on reactive processing (26) in situations where people are being asked to monitor their own progress towards a goal (18). It would be valuable to test this hypothesis in laboratory-based studies.

From a more applied perspective, it would be valuable to explore the ways in which expectations interact with the realistic goal setting and personalized feedback that characterized the treatment described in Study 2 (18). Of particular relevance to future interventions is the finding that changes in expectation partially mediated the effects of initial weight loss and it would be valuable to examine the effects of explicitly addressing people’s expectations following initial changes in behavior to effect greater sustained behavior change. Relatedly, it would be valuable to identify predictors of changes in people’s expectations with a view to developing interventions that effectively manage people’s expectations or to identifying groups of individuals at whom resources should be targeted.

Although the present research takes the literature on behavior change forward in some important respects, it is instructive to consider some potential limitations. First, consistent with the broader literature (2), our measures of intention and expectation were single-item scales. Although this minimized the burden on participants, this leaves our measures vulnerable to a lack of reliability. However, lack of reliability would only undermine the strength of the associations between expectations and behavior change yet this does not appear to be the case in the present research. Nevertheless, it would be valuable to use multiple item measures in future research (10). Second, all the participants were from minority populations (i.e., students, clients in private clinics), meaning that it would be valuable to replicate the work in more representative samples of people who are attempting to change their behavior.

In conclusion, the present research demonstrates a potentially important distinction between behavioral intentions and expectations. In particular, it points to the greater power
of expectations compared to behavioural intentions in predicting behavior even after controlling for the effects of past behavior and self-efficacy. Further research is required to develop interventions that explicitly bolster people’s expectations and establish cause-and-effect relations between changes in expectations and sustained behavior change.
References


Footnotes

1 Note that some researchers also make a distinction between “self-efficacy” and “perceived control over behavior” (6, 7). For example, using factor analysis and a panel of experts, Tavousi et al. (8) were able to distinguish internal influences on perceived control (e.g., confidence in one’s own ability or “self-efficacy”) and external influences on perceived control (e.g., environmental barriers) in relation to substance use among young adolescents (see also 6, 7, 9). However, we were unable to support such a distinction in Study 1 and so we focused on self-efficacy, given that self-efficacy is consistently more predictive of behavior than perceived control over behavior (6, 7).
Table 1

Zero-Order Correlations Between Alcohol Consumption and Psychosocial Predictors (Study 1)

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<th>5</th>
<th>6</th>
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<th>8</th>
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*p < .05. **p < .01.
Table 2

*Predictors of Alcohol Consumption (Study 1)*

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Table 3

Zero-Order Correlations Between Weight Change and Psychosocial Predictors (Study 2)

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<th>4</th>
<th>5</th>
<th>M</th>
<th>SD</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Weight Loss (kg): Baseline to 6-Month Follow-Up</td>
<td>--</td>
<td>.74**</td>
<td>-.14</td>
<td>-.25**</td>
<td>-.24**</td>
<td>-5.2</td>
<td>7.57</td>
</tr>
<tr>
<td>2. Weight Loss (kg): Baseline to 4-Week Follow-Up</td>
<td>--</td>
<td>--</td>
<td>-.24**</td>
<td>-.26**</td>
<td>-.37**</td>
<td>-3.4</td>
<td>3.52</td>
</tr>
<tr>
<td>3. Intention</td>
<td>-.10</td>
<td>-.19*</td>
<td>--</td>
<td>.24**</td>
<td>.12</td>
<td>6.8</td>
<td>0.62</td>
</tr>
<tr>
<td>4. Expectation</td>
<td>.01</td>
<td>-.04</td>
<td>.15</td>
<td>--</td>
<td>.55**</td>
<td>5.9</td>
<td>1.29</td>
</tr>
<tr>
<td>5. Self-efficacy</td>
<td>-.02</td>
<td>-.06</td>
<td>.01</td>
<td>.47**</td>
<td>--</td>
<td>5.4</td>
<td>1.38</td>
</tr>
<tr>
<td>M</td>
<td>--</td>
<td>--</td>
<td>6.8</td>
<td>5.8</td>
<td>4.8</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>SD</td>
<td>--</td>
<td>--</td>
<td>0.63</td>
<td>1.42</td>
<td>1.51</td>
<td>--</td>
<td>--</td>
</tr>
</tbody>
</table>

Note. Baseline intercorrelations and descriptive statistics are presented below the diagonal; 4-week follow-up intercorrelations and descriptive statistics are presented above the diagonal. The correlations associated with “weight loss” are based on standardized residuals; the descriptive statistics associated with “weight loss” are raw scores expressed in kg because residuals have Means of 0.00 and Standard Deviations of 1.00. The data have been analyzed according to intention to treat, with the last observation carried forward; weight change between baseline and 6-month follow-up for people who remained in the study was $M = -7.72, SD = 8.34$.

*p < .05. **p < .01.
Table 4

Predictors of Weight Loss (Study 2)

<table>
<thead>
<tr>
<th>Variable</th>
<th>B</th>
<th>SE B</th>
<th>β</th>
<th>p</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Predicting Initial Weight Loss (to 4 weeks)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseline Intention</td>
<td>-.28</td>
<td>.15</td>
<td>-.17</td>
<td>.06</td>
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<tr>
<td>Baseline Expectation</td>
<td>.01</td>
<td>.07</td>
<td>.01</td>
<td>.99</td>
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<tr>
<td>Baseline Self-Efficacy</td>
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<td>.06</td>
<td>-.05</td>
<td>.63</td>
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<tr>
<td>Baseline Weight</td>
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<td>.01</td>
<td>.01</td>
<td>.89</td>
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<tr>
<td><strong>Predicting Sustained Weight Loss (to 6 months)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseline Intention</td>
<td>.06</td>
<td>.10</td>
<td>.03</td>
<td>.57</td>
</tr>
<tr>
<td>Baseline Expectation</td>
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<td>.05</td>
<td>.03</td>
<td>.69</td>
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<tr>
<td>Baseline Self-Efficacy</td>
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<td>.04</td>
<td>.01</td>
<td>.86</td>
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<td>Initial Weight Loss</td>
<td>.75</td>
<td>.06</td>
<td>.74</td>
<td>&lt; .01</td>
</tr>
<tr>
<td><strong>Predicting Sustained Weight Loss (to 6 months)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4-Week Intention</td>
<td>.11</td>
<td>.11</td>
<td>.06</td>
<td>.32</td>
</tr>
<tr>
<td>4-Week Expectation</td>
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<td>.06</td>
<td>-.12</td>
<td>.08</td>
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<tr>
<td>4-Week Self-Efficacy</td>
<td>.07</td>
<td>.05</td>
<td>.10</td>
<td>.16</td>
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<tr>
<td>Initial Weight Loss</td>
<td>.76</td>
<td>.06</td>
<td>.75</td>
<td>&lt; .01</td>
</tr>
<tr>
<td><strong>Predicting Sustained Weight Loss (to 6 months)</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Change in Intention</td>
<td>.01</td>
<td>.06</td>
<td>.01</td>
<td>.87</td>
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<tr>
<td>Change in Expectation</td>
<td>-.17</td>
<td>.07</td>
<td>-.17</td>
<td>.02</td>
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<tr>
<td>Change in Self-Efficacy</td>
<td>.13</td>
<td>.07</td>
<td>.13</td>
<td>.08</td>
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<tr>
<td>Initial Weight Loss</td>
<td>.75</td>
<td>.07</td>
<td>.74</td>
<td>&lt; .01</td>
</tr>
</tbody>
</table>

*Note.* The dependent variables are residualized change scores; the independent variables predicting sustained weight loss are also residualized change scores.