Supplemental Table 1. Lifetime psychiatric diagnoses predicting and moderating treatment outcomes

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Any Psychiatric Comorbidity | | | | | | | | | |
|  | Any Comorbidity | | | No Comorbidity | | | DX | DX\*time | DX\*treat | DX\*time\*treat |
|  | M ± SD | | | M ± SD | | | *p* | *p* | *p* | *p* |
| Binge-eating frequency | 7.75 | ± | 0.31 | 6.20 | ± | 0.48 | 0.02 | 0.55 | 0.62 | 0.34 |
| Eating-disorder (global) psychopathology | 3.07 | ± | 0.08 | 2.71 | ± | 0.10 | <.0001 | 0.76 | 0.48 | 0.79 |
| Body mass index | -1.67% | ± | 0.33% | -1.74% | ± | 0.41% | 0.86 | 0.28 | 0.28 | 0.77 |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Mood Disorder Comorbidity | | | | | | | | | |
|  | Mood Disorder | | | No Mood Disorder | | | DX | DX\*time | DX\*treat | DX\*time\*treat |
|  | M ± SD | | | M ± SD | | | *p* | *p* | *p* | *p* |
| Binge-eating frequency | 7.92 | ± | 0.36 | 6.73 | ± | 0.37 | 0.02 | 0.22 | 0.51 | 0.04 |
| Eating-disorder (global) psychopathology | 3.14 | ± | 0.08 | 2.78 | ± | 0.09 | <.0001 | 0.41 | 0.15 | 0.57 |
| Body mass index | -1.54% | ± | 0.36% | -1.85% | ± | 0.36% | 0.33 | 0.33 | 0.76 | 0.88 |
|  |  |  |  |  |  |  |  |  |  |  |
|  | Anxiety Disorder Comorbidity | | | | | | | | | |
|  | Anxiety Disorder | | | No Anxiety Disorder | | | DX | DX\*time | DX\*treat | DX\*time\*treat |
|  | M ± SD | | | M ± SD | | | *p* | *p* | *p* | *p* |
| Binge-eating frequency | 7.54 | ± | 0.45 | 7.25 | ± | 0.33 | 0.70 | 0.96 | 0.59 | 0.66 |
| Eating-disorder (global) psychopathology | 3.14 | ± | 0.09 | 2.88 | ± | 0.08 | 0.001 | 0.83 | 0.28 | 0.65 |
| Body mass index | -1.36% | ± | 0.28% | -1.56% | ± | 0.19% | 0.56 | 0.63 | 0.63 | 0.14 |

*Note*. Non-transformed means and standard deviations are reported for ease of interpretations; means and standard deviations are across timepoints and significant differences are indicated by *p*DX<.01. Models used log-transformation for binge-eating episode frequency to meet the assumption of normality. DX=psychiatric comorbidity predicts amount of change; DX\*time=psychiatric comorbidity predicts rate of change; DX\*treat=psychiatric comorbidity moderates amount of change; DX\*time\*treat=psychiatric comorbidity moderates rate of change. BDI=Beck Depression Inventory.

Supplemental Table 2. Lifetime psychiatric comorbidities predicting and moderating remission from binge eating and 5% weight loss at post treatment

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Any Psychiatric Comorbidity | | | | | |
|  | *Any Comorbidity* | | *No Comorbidity* | | DX | DX\*treat |
|  | n | % | n | % | *p* | *p* |
| Binge eating remission (imputed) | 163 | 36.71% | 80 | 45.20% | 0.09 | 0.75 |
| Binge eating remission (available) | 163 | 42.45% | 80 | 47.62% | 0.32 | 0.83 |
| 5% weight loss (imputed) | 106 | 23.87% | 42 | 23.73% | 0.58 | 0.45 |
| 5% weight loss (available) | 106 | 28.04% | 42 | 27.10% | 0.73 | 0.40 |
|  |  |  |  |  |  |  |
|  | Mood Disorder Comorbidity | | | | | |
|  | *Mood Disorder* | | *No Mood Disorder* | | DX | DX\*treat |
|  | n | % | n | % | *p* | *p* |
| Binge eating remission (imputed) | 109 | 35.05% | 131 | 43.09% | 0.09 | 0.62 |
| Binge eating remission (available) | 109 | 40.67% | 131 | 47.12% | 0.19 | 0.72 |
| 5% weight loss (imputed) | 69 | 22.19% | 77 | 25.33% | 0.41 | 0.66 |
| 5% weight loss (available) | 69 | 25.75% | 77 | 29.62% | 0.36 | 0.74 |
|  |  |  |  |  |  |  |
|  | Anxiety Disorder Comorbidity | | | | | |
|  | *Anxiety Disorder* | | *No Anxiety Disorder* | | DX | DX\*treat |
|  | n | % | n | % | *p* | *p* |
| Binge eating remission (imputed) | 81 | 40.30% | 162 | 38.66% | 0.73 | 0.32 |
| Binge eating remission (available) | 81 | 46.55% | 162 | 42.97% | 0.47 | 0.32 |
| 5% weight loss (imputed) | 42 | 20.90% | 105 | 25.06% | 0.56 | 0.70 |
| 5% weight loss (available) | 42 | 24.56% | 105 | 29.09% | 0.60 | 0.78 |

Note. n and % reflect the number of participants experiencing remission or 5% weight loss with or without each psychiatric comorbidity. DX=psychiatric comorbidity predicts amount of change; DX\*treat=psychiatric comorbidity moderates amount of change