Evidence Table E8. Loss of control of eating: Children – Part 8

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First Author's Last Name  Year | Definition of Weight Related Measure(s) | Weight Related Baseline | Weight Related Outcomes | Definition of Biomarker Outcomes Other Than Weight | Biomarker Outcomes Other Than Weight Baseline | Biomarker Outcomes Other Than Weight Outcomes |
| Boutelle, 20111 | BMI | BMI  G1: 26.17 (SD 3.21)  G2: 28.60 (SD 4.57) | Observed meansPost-treatment BMI  G1: 26.12 (SD 2.95)  G2: 28.98 (SD 4.69)  G2 statistically significant within-group difference on change from baseline: BMI increased 0.34 from BL (t=2.17, p=0.037)  Observed means6m BMI  G1: 26.55 (SD 3.08)  G2: 29.44 (SD 4.79)  G2 statistically significant within-group difference on change from baseline: BMI increased 0.79 from BL (t=3.42, p=0.005)  Observed means12m BMI  G1: 28.09 (SD 4.50)  G2: 30.65 (SD 5.07)  G2 statistically significant within-group difference on change from baseline: BMI increased 1.30 from BL (t=2.86, p=0.014) | NR | NR | NR |

Evidence Table E8. Loss of control of eating: Children – Part 8 (continued)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First Author's Last Name  Year | Definition of Weight Related Measure(s) | Weight Related Baseline | Weight Related Outcomes | Definition of Biomarker Outcomes Other Than Weight | Biomarker Outcomes Other Than Weight Baseline | Biomarker Outcomes Other Than Weight Outcomes |
| Boutelle, 20111  (continued) |  |  | BMI model:  "When we used an unstructured covariance matrix with BMI as an outcome, there was a significant time main effect for G2 (F=6.19, p=0.002) but not for G1 (F=2.65, p=0.065), and there was no significant time-by-condition interaction (F=0.64, p=0.595)."  "When we used an unstructured covariance matrix with BMI z-score as an outcome, there was not a significant time effect for G1 (F=0.87, p=0.466) or for G2 (F=1.00, p=0.405), nor was there a significant time-by-condition interaction (F=0.56, p=0.644)." |  |  |  |

Evidence Table 8. Loss of control of eating: Kids – Part 8 (continued)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First Author's Last Name  Year | Definition of Weight Related Measure(s) | Weight Related Baseline | Weight Related Outcomes | Definition of Biomarker Outcomes Other Than Weight | Biomarker Outcomes Other Than Weight Baseline | Biomarker Outcomes Other Than Weight Outcomes |
| Jones, 20082 | -BMI, mean +/- SD, kg/m2  -BMI z score, mean +/- SD | BMI, mean +/- SD, kg/m2  Baseline  G1: 30.58 +/- 4.9  G2: 30.64 +/- 5.97  BMI z score, mean +/- SD  Baseline  G1: 1.81 +/- 0.47  G2: 1.79 +/- 0.51 | BMI, mean +/- SD, kg/m2  Posttreatment  G1: 28.76 +/- 4.72  G2: 29.99 +/- 5.92  Follow-up  G1: 29.76 +/- 5.34  G2: 31.17 +/- 6.33  P< .001, compared with WLC group  BMI z score, mean +/- SD  Postreatmetn  G1: 1.56 +/- 0.59  G2: 1.68 +/- 0.54  Follow-up  G1: 1.60 +/- 0.62  G2: 1.76 +/- 0.57  P< .001, compared with WLC group | NR | NR | NR |

Evidence Table 8. Loss of control of eating: Kids – Part 8

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First Author's Last Name  Year | Definition of Weight Related Measure(s) | Weight Related Baseline | Weight Related Outcomes | Definition of Biomarker Outcomes Other Than Weight | Biomarker Outcomes Other Than Weight Baseline | Biomarker Outcomes Other Than Weight Outcomes |
| Tanofsky-Kraff, 20103 | BMI (all of the below reported at 1 year follow-up only for girls with baseline LOC eating)  - Score (kg/m^2)  - Z-score  - Percentile  - Percentage with growth ≤ expected, as measured using BMI (between baseline and 1 year follow-up) | Baseline data for all three BMI outcomes for girls with baseline LOC eating | Mean BMI (SD) (kg/m^2):  G1: NR  G2: NR  p = NS  Mean BMI z-score (SD):  G1: NR  G2: NR  p = NS  Mean BMI percentile (SD):  G1: NR  G2: NR  p = NS  BMI growth ≤ expected:  G1: NR  G2: NR  p = NS | NR | NR | NR |

Evidence Table 8. Loss of control of eating: Kids – Part 8

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| First Author's Last Name  Year | Definition of Weight Related Measure(s) | Weight Related Baseline | Weight Related Outcomes | Definition of Biomarker Outcomes Other Than Weight | Biomarker Outcomes Other Than Weight Baseline | Biomarker Outcomes Other Than Weight Outcomes |
| Tanofsky-Kraff, 20144 | BMI gain  BMI z-score  BMI %ile  % nonobese at BL and nonobese at 12m  % obese at BL and nonobese at 12m  % obese at BL and obese at 12m  % nonobese at BL and obese at 12m  Decrease in % of adiposity | BMI  G1: 26.9 (SD 2.6)  G2: 27.1 (SD 2.4)  p=0.63 | BMI gain  G1: NR  G2: NR  Girls in both groups gained less-than-expected BMI throughout the study, F=10.70, p<0.001  G2 had 1.59x (95% CI 0.67, 3.79) greater odds of gaining more-than-expected BMI at 12m relative to G1, p=0.30  BMI z-score  G1: NR  G2: NR  Group-by-interval effect p=0.49  BMI %ile  G1: NR  G2: NR  % nonobese at BL and nonobese at 12m  G1: 54.5%  G2: 53.4%  p=1.00  % obese at BL and nonobese at 12m  G1: 9.1%  G2: 8.6%  p=1.00  % obese at BL and obese at 12m  G1: 34.5%  G2: 27.6%  p=0.54 | NA | NA | NA |

Evidence Table 8. Loss of control of eating: Kids – Part 8

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| First Author's Last Name  Year | | Definition of Weight Related Measure(s) | | Weight Related Baseline | | Weight Related Outcomes | | Definition of Biomarker Outcomes Other Than Weight | | Biomarker Outcomes Other Than Weight Baseline | | Biomarker Outcomes Other Than Weight Outcomes | |
| Tanofsky-Kraff, 20144  (continued) | |  | |  | | % nonobese at BL and obese at 12m  G1: 1.8%  G2: 10.3%  p=0.11  12m Decrease in % of adiposity  G1: NR  G2: NR  No significant group-by-interval effect, F=0.03, p=0.85 | |  | |  | |  | |
| Boutelle, 20111 | NR | | NR | | NR | | NR | | NR | | NR | |
| Jones, 20082 | NR | | NR | | NR | | NR | | NR | | NR | |
| Tanofsky-Kraff, 20103 | NR | | NR | | NR | | NR | | NR | | NR | |
| Tanofsky-Kraff, 20144 | NA | | NA | | NA | | NA | | NA | | NA | |