Supplementary Materials

**Table S1**

*Differences in associations between Parent-Child Conflict, Puberty, and Binge Eating using Twin and Parent Reports on Conflict*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Twin-Reported Parent-Child Conflict** | | | | | | | | | | | | | | | |
|  | **MEBS Binge Eating** | | | | | **Eating in the Absence of Hunger** | | | | | **Emotional Eating** | | | | |
| Variable | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* |
| Intercept | -.01 | .04 | 464.92 | -0.26 | .797 | -.002 | .04 | 448.76 | 0.05 | .958 | .02 | .04 | 453.70 | 0.45 | .652 |
| Conflict | .20 | .03 | 873.80 | 5.95 | **<.001** | .19 | .03 | 858.86 | 5.65 | **<.001** | .15 | .04 | 806.29 | 4.12 | **<.001** |
| Puberty | .09 | .04 | 647.46 | 2.32 | .021 | .20 | .04 | 607.58 | 5.54 | **<.001** | .06 | .04 | 577.23 | 1.52 | .130 |
| Conflict x Puberty | -.01 | .03 | 871.44 | -0.37 | .713 | -.004 | .03 | 865.05 | -0.15 | .882 | -.01 | .03 | 824.31 | -0.23 | .815 |
| **Parent-Reported Parent-Child Conflict** | | | | | | | | | | | | | | | |
|  | **MEBS Binge Eating** | | | | | **Eating in the Absence of Hunger** | | | | | **Emotional Eating** | | | | |
| Variable | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* |
| Intercept | .001 | .04 | 474.25 | 0.03 | .980 | -.001 | .04 | 477.43 | -0.02 | .981 | .002 | .04 | 461.61 | 0.05 | .959 |
| Conflict | .08 | .04 | 708.47 | 2.29 | .022 | .004 | .03 | 689.16 | 0.13 | .897 | .02 | .04 | 623.02 | 0.51 | .607 |
| Puberty | .08 | .04 | 677.21 | 2.26 | .024 | .23 | .04 | 658.13 | 6.46 | **<.001** | .07 | .04 | 593.40 | 1.86 | .064 |
| Conflict x Puberty | .02 | .03 | 808.46 | 0.66 | .508 | .03 | .03 | 784.33 | 1.01 | .313 | .04 | .03 | 695.13 | 1.18 | .240 |
| *Note*. Twin-Reported Parent-Child Conflict = Models using an average of twin’s reports on parent-child conflict with mother and with father; Parent-Reported Parent-Child Conflict = Models using an average of maternal and paternal reports on parent-child conflict; MEBS = Minnesota Eating Behaviors Survey. Models used standardized Z-scores. MEBS Binge Eating and Eating in the Absence of Hunger scores were both log-transformed before analyses to account for positive skew. | | | | | | | | | | | | | | | |

**Table S2**

*Differences in associations between Parent-Child Conflict, Puberty, and Binge Eating across Participants with One vs Both Parent Reports on Conflict*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Only One Parent Report on Conflict** | | | | | | | | | | | | | | | |
|  | **MEBS Binge Eating** | | | | | **Eating in the Absence of Hunger** | | | | | **Emotional Eating** | | | | |
| Variable | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* |
| Intercept | -.01 | .05 | 334.56 | -0.31 | .754 | .01 | .05 | 320.95 | 0.31 | .759 | -.01 | .04 | 318.33 | -0.16 | .874 |
| Conflict | .21 | .04 | 569.69 | 5.07 | **<.001** | .15 | .04 | 548.74 | 3.65 | **<.001** | .12 | .04 | 474.58 | 2.78 | **.006** |
| Puberty | .08 | .04 | 467.16 | 1.92 | .056 | .20 | .04 | 444.98 | 4.68 | **<.001** | .04 | .04 | 396.04 | 0.90 | .370 |
| Conflict x Puberty | -.03 | .04 | 586.22 | -0.72 | .472 | .009 | .04 | 567.07 | 0.24 | .810 | -.01 | .04 | 498.51 | -0.38 | .705 |
| **Both Parent Reports on Conflict** | | | | | | | | | | | | | | | |
|  | **MEBS Binge Eating** | | | | | **Eating in the Absence of Hunger** | | | | | **Emotional Eating** | | | | |
| Variable | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* |
| Intercept | .02 | .07 | 165.43 | 0.36 | .720 | -.03 | .06 | 164.44 | -0.43 | .667 | .01 | .07 | 162.33 | 0.08 | .934 |
| Conflict | .14 | .06 | 262.71 | 2.13 | .034 | .11 | .06 | 251.43 | 1.72 | .088 | .08 | .07 | 253.62 | 1.15 | .251 |
| Puberty | .05 | .06 | 229.16 | .753 | .452 | .19 | .06 | 223.88 | 3.15 | **.002** | .06 | .06 | 218.37 | 0.85 | .394 |
| Conflict x Puberty | -.002 | .06 | 292.42 | -0.03 | .978 | -.02 | .06 | 275.88 | -0.31 | .757 | .04 | .06 | 277.88 | 0.60 | .548 |
| *Note*. MEBS = Minnesota Eating Behaviors Survey. Models used standardized Z-scores. MEBS Binge Eating and Eating in the Absence of Hunger scores were both log-transformed before analyses to account for positive skew. | | | | | | | | | | | | | | | |

**Table S3**

*Prediction of Binge Eating by Age, controlling for BMI*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Parental Care** | | | | | | | | | | | | | | | |
|  | **MEBS Binge Eating** | | | | | **Eating in the Absence of Hunger** | | | | | **Emotional Eating** | | | | |
| Variable | β | *SE* | *df* | *t* | *p* | β | *SE* | df | *t* | *p* | β | *SE* | *df* | *t* | *p* |
| Intercept | .001 | .04 | 518.10 | 0.02 | .983 | -.02 | .04 | 508.03 | -0.59 | .554 | -.02 | .04 | 502.26 | -0.39 | .693 |
| Care | -.14 | .03 | 952.08 | -4.32 | **<.001** | -.10 | .03 | 929.72 | -3.14 | **.002** | -.11 | .03 | 844.62 | -3.10 | **.002** |
| Age | -.01 | .04 | 524.42 | -0.15 | .883 | .16 | .04 | 516.32 | 4.03 | **<.001** | .01 | .04 | 499.54 | 0.23 | .818 |
| BMI | .11 | .04 | 813.02 | 2.95 | **.003** | .06 | .04 | 781.96 | 1.57 | .117 | .01 | .04 | 699.50 | 0.25 | .806 |
| Care x BMI | -.03 | .03 | 965.86 | -1.09 | .277 | -.05 | .03 | 956.07 | -1.54 | .125 | -.01 | .03 | 889.15 | -0.40 | .691 |
| Age x BMI | -.04 | .04 | 733.67 | -0.98 | .327 | .04 | .04 | 701.43 | 1.06 | .289 | .02 | .04 | 637.00 | 0.55 | .580 |
| Care x Age | .03 | .03 | 945.71 | 0.93 | .355 | -.02 | .03 | 908.13 | -0.49 | .622 | -.01 | .04 | 838.78 | -0.31 | .759 |
| **Parental Overprotection** | | | | | | | | | | | | | | | |
|  | **MEBS Binge Eating** | | | | | **Eating in the Absence of Hunger** | | | | | **Emotional Eating** | | | | |
| Variable | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* |
| Intercept | -.01 | .04 | 519.53 | -0.17 | .867 | -.02 | .04 | 509.92 | 0.62 | .537 | -.02 | .04 | 501.05 | -0.44 | .664 |
| Overprotection | .17 | .03 | 961.97 | 5.45 | **<.001** | .12 | .03 | 951.36 | 3.82 | **<.001** | .09 | .03 | 883.90 | 2.81 | **.005** |
| Age | .002 | .04 | 526.92 | 0.06 | .955 | .16 | .04 | 520.05 | 4.13 | **<.001** | .01 | .04 | 498.98 | 0.36 | .717 |
| BMI | .13 | .04 | 796.73 | 3.30 | **.001** | .07 | .04 | 769.92 | 1.82 | .069 | .02 | .04 | 686.11 | 0.45 | .653 |
| Overprotection x BMI | .05 | .04 | 959.75 | 1.43 | .152 | .04 | .04 | 952.69 | 1.22 | .224 | .02 | .04 | 897.05 | 0.49 | .626 |
| Age x BMI | -.03 | .04 | 743.41 | -0.69 | .490 | .06 | .04 | 715.08 | 1.63 | .103 | .03 | .04 | 646.18 | 0.83 | .408 |
| Overprotection x Age | -.03 | .03 | 960.64 | -0.82 | .414 | -.003 | .03 | 946.70 | -0.09 | .931 | .02 | .03 | 882.30 | 0.68 | .495 |
| **Parent-Child Conflict** | | | | | | | | | | | | | | | |
|  | **MEBS Binge Eating** | | | | | **Eating in the Absence of Hunger** | | | | | **Emotional Eating** | | | | |
| Variable | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* | β | *SE* | *df* | *t* | *p* |
| Intercept | -.005 | .04 | 520.29 | -0.12 | .905 | -.04 | .04 | 502.47 | -0.94 | .345 | -.01 | .04 | 492.82 | -0.30 | .766 |
| Conflict | .19 | .03 | 849.20 | 5.57 | **<.001** | .14 | .03 | 814.11 | 4.00 | **<.001** | .12 | .04 | 732.07 | 3.30 | **.001** |
| Age | -.02 | .04 | 526.04 | -0.59 | .556 | .14 | .04 | 509.84 | 3.44 | **.001** | -.01 | .04 | 490.36 | -0.26 | .795 |
| BMI | .09 | .04 | 783.97 | 2.32 | .021 | .05 | .04 | 746.72 | 1.39 | .165 | .01 | .04 | 669.60 | 0.31 | .757 |
| Conflict x BMI | .03 | .03 | 954.71 | 1.01 | .314 | .03 | .03 | 944.39 | 0.92 | .357 | -.03 | .03 | 880.27 | -0.83 | .410 |
| Age x BMI | -.03 | .04 | 756.64 | -0.79 | .432 | .05 | .04 | 717.73 | 1.40 | .163 | .03 | .04 | 650.77 | 0.85 | .393 |
| Conflict x Age | -.02 | .03 | 856.28 | -0.36 | .719 | .03 | .03 | 814.28 | 0.82 | .410 | .01 | .03 | 736.26 | 0.28 | .779 |
| *Note*: MEBS = Minnesota Eating Behaviors Survey. Models used standardized Z-scores. MEBS Binge Eating and Eating in the Absence of Hunger scores were both log-transformed before analyses to account for positive skew. | | | | | | | | | | | | | | | |