

**Appendix**  
**Maternal Prepregnancy Weight and Children's Behavioral and Emotional Outcomes**  
**Deardorff et al.**

**Appendix Table 1.** Unadjusted Mean Differences in BPI Score Associated With Prepregnancy BMI in NLSYCYA Children

Behavior	Boys		Girls		Full sample	
	Estimate (95% CI)	<i>p</i> -value	Estimate (95% CI)	<i>p</i> -value	Estimate (95% CI)	<i>p</i> -value
<b>Total behavior</b>						
Underweight	4.45 (2.03, 6.87)	<b>&lt;0.001</b>	-0.16 (-2.54, 2.21)	0.893		
Normal weight	Ref		Ref			
Overweight	1.06 (-0.86, 2.97)	0.280	0.82 (-1.05, 2.68)	0.391		
Obese Class I	2.11 (-1.14, 5.37)	0.205	-0.43 (-3.21, 2.36)	0.764		
Obese Class II/III	7.31 (2.30, 12.33)	<b>&lt;0.01</b>	1.61 (-3.58, 6.81)	0.543		
<b>Externalizing behavior</b>						
Underweight	5.31 (2.66, 7.96)	<b>&lt;0.001</b>	0.46 (-2.25, 3.16)	0.740		
Normal weight	Ref		Ref			
Overweight	1.50 (-0.45, 3.44)	0.133	0.84 (-0.96, 2.63)	0.362		
Obese Class I	2.29 (-1.09, 5.66)	0.186	0.65 (-2.27, 3.57)	0.663		
Obese Class II/III	4.86 (0.05, 9.67)	<b>&lt;0.05</b>	-0.08 (-4.46, 4.31)	0.973		
<b>Internalizing behavior</b>						
Underweight					0.66 (-1.05, 2.38)	0.448
Normal weight					Ref	
Overweight					-0.11 (-1.60, 1.37)	0.880
Obese Class I					-0.14 (-2.32, 2.04)	0.902
Obese Class II/III					1.90 (-1.53, 5.33)	0.278

*Note:* Boldface indicates statistical significance ( $p < 0.05$ ). *p*-values for Prepregnancy weight by gender interactions: 0.019 (total behavior);  $< 0.001$  (externalizing behavior); 0.135 (internalizing behavior)

BPI, Behavior Problems Index; NLSYCYA, National Longitudinal Survey of Youth Children/Young Adults

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**Appendix Table 2.** Adjusted Mean Differences in BPI Score Associated With Prepregnancy BMI From Fixed Effects Regression in the NLSYCYA Sibling Subset

Behavior	Boys		Girls		Full sample	
	Estimate (95% CI)	<i>p</i> -value	Estimate (95% CI)	<i>p</i> -value	Estimate (95% CI)	<i>p</i> -value
<b>Total behavior</b>						
Underweight	1.84 (-3.28, 6.96)	0.480	-5.14 (-10.70, 0.42)	0.070		
Normal weight	Ref					
Overweight	1.76 (-2.10, 5.61)	0.370	5.31 (1.31, 9.32)	<b>&lt;0.05</b>		
Obese Class I	0.87 (-5.85, 7.58)	0.799	-5.28 (-11.76, 1.20)	0.110		
Obese Class II/III	10.56 (-1.81, 22.93)	0.094	-5.93 (-12.54, 0.69)	0.079		
<b>Externalizing behavior</b>						
Underweight	3.83 (-2.13, 9.80)	0.207	-4.58 (-11.3, 2.14)	0.181		
Normal weight	Ref					
Overweight	2.45 (-2.06, 6.96)	0.286	3.71 (-1.40, 8.82)	0.153		
Obese Class I	1.77 (-5.06, 8.60)	0.610	-3.92 (-11.57, 3.73)	0.314		
Obese Class II/III	10.74 (-1.77, 23.25)	0.092	-3.39 (-11.56, 4.79)	0.415		
<b>Internalizing behavior</b>						
Underweight					-2.08 (-5.40, 1.24)	0.218
Normal weight	Ref					
Overweight					0.75 (-1.45, 2.95)	0.504
Obese Class I					-1.57 (-5.15, 2.00)	0.386
Obese Class II/III					-3.30 (-8.56, 1.96)	0.217

*Note:* Boldface indicates statistical significance ( $p < 0.05$ ).

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