

Article title: The Mediating Effects of Home Environment on the Relationship between Maternal BMI and Childhood Obesity: Findings from the ECHO-wide Cohort

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Direct, indirect, and total effects (standardised and unstandardised) of maternal pre-pregnancy BMI (continuous) on BMI z-score, mediated through home environment domains (infant-toddler home observation of measurement of environment subscales and total infant-toddler home observation of measurement of environment z-score).

IT-HOME ^a Mediator	Direct effect (maternal pre-pregnancy body mass index on BMI z-score)		Indirect effect (via mediators)		Total effect (maternal pre-pregnancy body mass index on BMI z-score)	
	Unstandardised β	Standardised β	Unstandardised β	Standardised β	Unstandardised β	Standardised β
Acceptance	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.14 to 0.30), $p < 0.001^*$	$\beta = 0.00$ (95% CI: -0.00 to 0.00), $p = 0.514$	$\beta = 0.00$ (95% CI: -0.00 to 0.01), $p = 0.514$	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.14 to 0.30), $p < 0.001^*$
Learning Materials	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.13 to 0.30), $p < 0.001^*$	$\beta = -0.00$ (95% CI: -0.00 to 0.00), $p = 0.989$	$\beta = -0.00$ (95% CI: -0.01 to 0.01), $p = 0.989$	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.13 to 0.30), $p < 0.001^*$
Parental Responsivity	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.13 to 0.30), $p < 0.001^*$	$\beta = -0.00$ (95% CI: -0.00 to 0.00), $p = 0.793$	$\beta = -0.00$ (95% CI: -0.00 to 0.00), $p = 0.793$	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.13 to 0.30), $p < 0.001^*$
Organisation	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.14 to 0.30), $p < 0.001^*$	$\beta = 0.00$ (95% CI: -0.00 to 0.00), $p = 0.991$	$\beta = 0.00$ (95% CI: -0.00 to 0.00), $p = 0.991$	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.14 to 0.30), $p < 0.001^*$
Variety	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.13 to 0.30), $p < 0.001^*$	$\beta = 0.00$ (95% CI: -0.00 to 0.00), $p = 0.935$	$\beta = 0.00$ (95% CI: -0.00 to 0.00), $p = 0.935$	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.13 to 0.30), $p < 0.001^*$
Parental involvement	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.21$ (95% CI: 0.13 to 0.30), $p < 0.001^*$	$\beta = 0.00$ (95% CI: -0.00 to 0.00), $p = 0.593$	$\beta = 0.00$ (95% CI: -0.01 to 0.01), $p = 0.593$	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.13 to 0.30), $p < 0.001^*$
Total IT- HOME^a z- score	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.21$ (95% CI: 0.13 to 0.29), $p < 0.001^*$	$\beta = 0.00$ (95% CI: -0.00 to 0.00), $p = 0.340$	$\beta = 0.00$ (95% CI: -0.00 to 0.01), $p = 0.340$	$\beta = 0.03$ (95% CI: 0.02 to 0.04), $p < 0.001^*$	$\beta = 0.22$ (95% CI: 0.13 to 0.30), $p < 0.001^*$

* $p < 0.001$

^aInfant-toddler home observation of measurement of environment

Models adjusted for maternal marital status, maternal education, maternal age at birth of the child, parity and maternal race; mediator: IT-HOME domains

Results are reported to two decimal places

