

S5 Table. Associations of maternal pre-pregnancy BMI clinical categories with the risk of childhood overweight/obesity, additionally adjusted for gestational-age-adjusted birth weight

	Early childhood 2.0-5.0 years	Mid childhood 5.0-10.0 years	Late childhood 10-18.0 years
	Overweight/obesity OR (95% CI)	Overweight/obesity OR (95% CI)	Overweight/obesity OR (95% CI)
Maternal pre-pregnancy BMI			
Underweight (<18.5 kg/m ²)	0.60 (0.49, 0.72) n _{cases/total} =126/3,162	0.46 (0.42, 0.51) n _{cases/total} =401/4,485	0.45 (0.36, 0.56) n _{cases/total} =93/877
Normal weight (18.5-24.9 kg/m ²)	Reference n _{cases/total} =3,092/57,293	Reference n _{cases/total} =13,870/82,438	Reference n _{cases/total} =2,505/13,497
Overweight (25.0-29.9 kg/m ²)	1.61 (1.50, 1.72) n _{cases/total} =1,476/17,013	1.86 (1.80, 1.93) n _{cases/total} =6,556/23,359	2.25 (2.05, 2.46) n _{cases/total} =968/2,799
Obesity (≥ 30.0 kg/m ²)	2.29 (2.11, 2.49) n _{cases/total} =864/7,058	2.98 (2.84, 3.12) n _{cases/total} =3,612/9,248	4.42 (3.86, 5.07) n _{cases/total} =528/1,000
Obesity class I (30.0-34.9 kg/m ²)	2.23 (2.03, 2.45) n _{cases/total} =613/5,142	2.77 (2.62, 2.92) n _{cases/total} =2,552/6,874	4.02 (3.44, 4.71) n _{cases/total} =363/726
Obesity class II (35.0-39.9 kg/m ²)	2.40 (2.05, 2.82) n _{cases/total} =190/1,489	3.37 (3.06, 3.72) n _{cases/total} =782/1,836	5.82 (4.38, 7.74) n _{cases/total} =129/215
Obesity class III (≥ 40.0 kg/m ²)	2.69 (2.04, 3.55) n _{cases/total} =61/427	4.85 (4.07, 5.77) n _{cases/total} =278/538	5.35 (3.13, 9.13) n _{cases/total} =36/59

Values are odds ratios (95% confidence intervals) from multilevel binary logistic regression models that reflect the risk of childhood overweight in early childhood (2.0-5.0 years), mid childhood (5.0-10.0 years) and late childhood (10.0-18.0 years) in children of mothers in the different pre-pregnancy BMI groups, as compared with the reference group (normal weight). The models are adjusted for maternal age, education level, ethnicity, parity, smoking during pregnancy, and gestational-age-adjusted birth weight.