

Table 3 Relationship between maternal pre-pregnancy BMI category and maternally-reported symptoms and infections during the first year of life

BMI category	RR (95% CI)	P-value	RR (95% CI)	P-value	RR (95% CI)	P-value	RR (95% CI)	P-value	RR (95% CI)	P-value	RR (95% CI)	P-value
	Wheeze		Prolonged cough		LRTI		Croup		Ear infection		Diarrhoea / vomiting	
Adjusting for DAG-identified confounders (Model 1 - maternal age, education, parity, smoking in pregnancy)												
Underweight	0.70 (0.44, 1.11)	0.1	1.09 (0.71, 1.68)	0.7	0.71 (0.38, 1.34)	0.3	1.58 (0.79, 3.15)	0.2	0.83 (0.44, 1.54)	0.5	1.00 (0.74, 1.35)	0.99
Normal	Reference											
Overweight	1.08 (0.98, 1.20)	0.1	1.16 (1.02, 1.32)	0.02	1.12 (0.96, 1.29)	0.1	1.04 (0.80, 1.35)	0.8	0.99 (0.83, 1.18)	0.9	1.17 (1.07, 1.27)	<0.001
Obese	1.19 (1.06, 1.34)	0.003	1.14 (0.97, 1.35)	0.1	1.30 (1.10, 1.53)	0.002	1.07 (0.77, 1.49)	0.7	1.05 (0.85, 1.30)	0.7	1.05(0.93, 1.18)	0.4
p-trend		0.001		0.04		0.001		0.9		0.6		0.04
Adjusting for DAG-identified confounders and paternal BMI (Model 2 – paternal BMI, maternal age, education, parity, smoking in pregnancy)												
Underweight	0.71 (0.44, 1.15)	0.2	0.94 (0.56, 1.55)	0.8	0.79 (0.42, 1.47)	0.5	1.21 (0.53, 2.77)	0.7	0.77 (0.39, 1.52)	0.5	0.97 (0.70, 1.33)	0.8
Normal	Reference											
Overweight	1.11 (0.99, 1.23)	0.06	1.18 (1.03, 1.35)	0.01	1.09 (0.94, 1.28)	0.3	0.96 (0.72, 1.29)	0.8	1.01 (0.84, 1.21)	0.9	1.15 (1.06, 1.26)	0.002
Obese	1.19 (1.05, 1.35)	0.007	1.17 (0.98, 1.38)	0.08	1.23 (1.03, 1.48)	0.02	1.03 (0.72, 1.46)	0.9	0.98 (0.78, 1.24)	0.9	1.00(0.88, 1.14)	0.98
p-trend		0.001		0.02		0.01		0.9		0.9		0.2