

Table S5. Maternal pre-pregnancy body mass index and gestational weight gain clinical categories and the risks of pregnancy complications^a

	Pregnancy complications (OR (95% CI))						
	Any pregnancy complication	Gestational hypertension	Pre-eclampsia	Gestational diabetes	Preterm birth	Small size for gestational age	Large size for gestational age
Pre-pregnancy body mass index							
Underweight (<18.5 kg/m ²)	1.09 (1.04, 1.15)** n _{cases} /total=3079/9586	0.63 (0.55, 0.73)** n _{cases} /total=216/9416	0.67 (0.57, 0.78)** n _{cases} /total=168/9368	0.62 (0.49, 0.77)** n _{cases} /total=85/10449	1.24 (1.14, 1.35)** n _{cases} /total=599/10455	1.73 (1.64, 1.82)** n _{cases} /total=1900/10382	0.43 (0.39, 0.48)** n _{cases} /total=383/8865
Normal weight (18.5-24.9 kg/m ²)	Reference n _{cases} /total=46774/159983	Reference n _{cases} /total=5066/155612	Reference n _{cases} /total=4100/154646	Reference n _{cases} /total=1857/168117	Reference n _{cases} /total=7852/172123	Reference n _{cases} /total=18185/159778	Reference n _{cases} /total=14674/156267
Overweight (25.0-29.9 kg/m ²)	1.35 (1.32, 1.38)** n _{cases} /total=16817/47825	1.98 (1.88, 2.08)** n _{cases} /total=2531/45509	1.88 (1.79, 1.99)** n _{cases} /total=2202/45180	2.33 (2.16, 2.51)** n _{cases} /total=1156/49203	1.06 (1.01, 1.11)* n _{cases} /total=2433/50852	0.80 (0.78, 0.83)** n _{cases} /total=4074/44476	1.64 (1.59, 1.69)** n _{cases} /total=6837/47239
Obesity (≥ 30.0 kg/m ²)	2.03 (1.97, 2.09)** n _{cases} /total=9330/20834	3.51 (3.31, 3.73)** n _{cases} /total=1687/18863	3.51 (3.31, 3.73)** n _{cases} /total=1621/18797	4.88 (4.49, 5.29)** n _{cases} /total=1020/21148	1.35 (1.27, 1.43)** n _{cases} /total=1322/21992	0.82 (0.78, 0.86)** n _{cases} /total=1694/18134	2.31 (2.22, 2.40)** n _{cases} /total=3929/20369
Obesity grade 1 (30.0-34.9 kg/m ²)	1.88 (1.81, 1.94)** n _{cases} /total=6505/15181	3.16 (2.95, 3.39)** n _{cases} /total=1136/13900	3.05 (2.84, 3.27)** n _{cases} /total=1047/13811	4.20 (3.82, 4.62)** n _{cases} /total=636/15405	1.31 (1.22, 1.41)** n _{cases} /total=936/16006	0.81 (0.76, 0.86)** n _{cases} /total=1235/13363	2.17 (2.08, 2.27)** n _{cases} /total=2725/14853
Obesity grade 2 (35.0-39.9 kg/m ²)	2.37 (2.23, 2.52)** n _{cases} /total=2091/4308	4.38 (3.92, 4.89)** n _{cases} /total=412/3812	4.50 (4.04, 5.01)** n _{cases} /total=410/3810	6.23 (5.43, 7.15)** n _{cases} /total=271/4386	1.41 (1.25, 1.59)** n _{cases} /total=287/4557	0.83 (0.74, 0.92)* n _{cases} /total=345/3662	2.59 (2.40, 2.80)** n _{cases} /total=888/4205
Obesity grade 3 (≥ 40.0 kg/m ²)	3.03 (2.71, 3.38)** n _{cases} /total=734/1345	5.07 (4.20, 6.11)** n _{cases} /total=139/1151	6.09 (5.14, 7.21)** n _{cases} /total=164/1176	8.28 (6.71, 10.21)** n _{cases} /total=113/1357	1.55 (1.26, 1.90)** n _{cases} /total=99/1429	0.90 (0.74, 1.09) n _{cases} /total=114/1109	3.07 (2.71, 3.49)** n _{cases} /total=316/1311
Gestational weight gain							
Inadequate weight gain						1.55 (1.49, 1.60)** n _{cases} /total=6512/40322	0.66 (0.63, 0.70)** n _{cases} /total=2150/35960
Adequate weight gain						Reference n _{cases} /total=7406/66330	Reference n _{cases} /total=5592/64516
Excessive weight gain						0.68 (0.66, 0.71)** n _{cases} /total=5632/70709	1.96 (1.90, 2.03)** n _{cases} /total=11994/77071

^an_{cases}/total represent the number of cases for each pregnancy complication in each clinical category/the population in each clinical category. Values are odds ratios (95% confidence intervals) from multilevel binary logistic regression models that reflect the risk of pregnancy complications per pre-pregnancy body mass index and gestational weight gain clinical category compared with the reference group (normal weight and adequate weight gain). Mothers diagnosed with pre-eclampsia were excluded from the models for gestational hypertension. The reference group for the analyses on pre-eclampsia comprises the mothers without both pre-eclampsia and gestational hypertension. The reference group for the analyses on small and large size for gestational age at birth is appropriate size for gestational age at birth. Models are unadjusted. *P-value<0.05; **P-value<0.001.

