

Supplementary Materials

Association between mid-to-late pregnancy gestational weight gain and adverse birth outcomes among women with gestational diabetes mellitus

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Manuscript received 29 January 2026. Initial review completed 09 February 2026. Revision accepted 16 April 2026.

doi: 10.6133/apjcn.202608_35(4).0015

Supplementary Table 1. Sensitivity analyses for the associations between GWG z-score and adverse birth outcomes among women with GDM

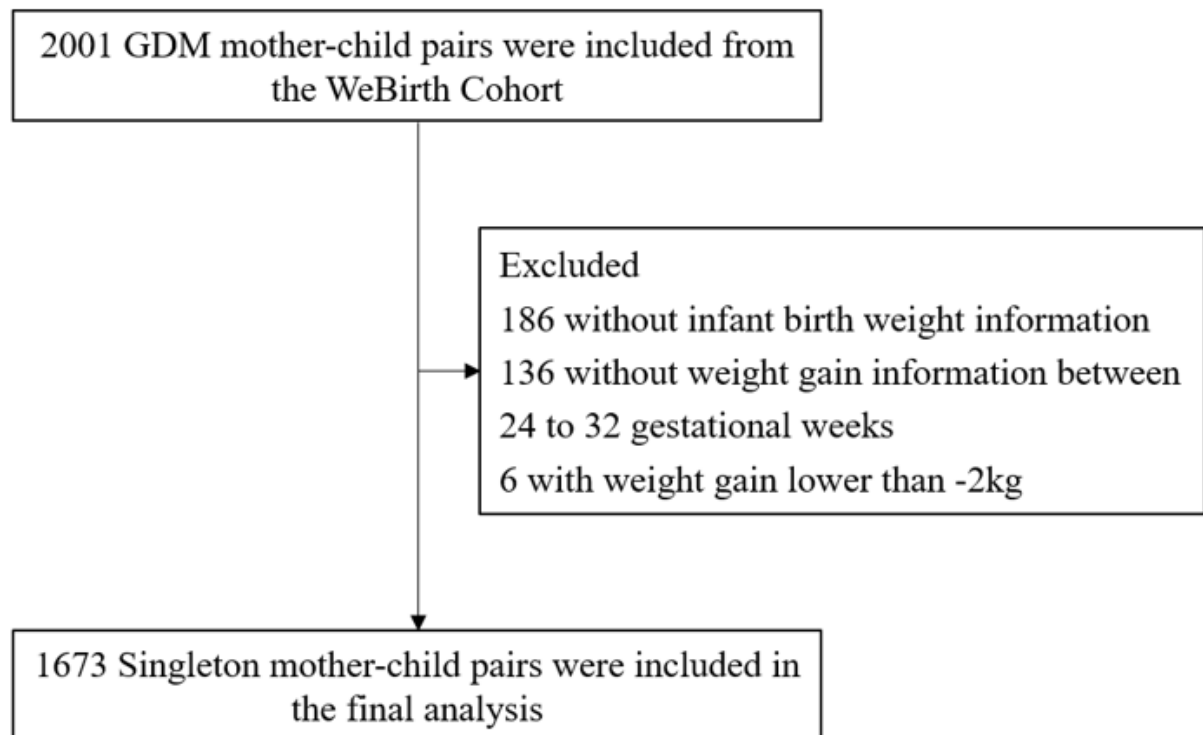
	ORs (95% CI)		
	SGA	LGA	Preterm birth
Sensitivity analysis a	0.55 (0.42, 0.70)	1.48 (1.29, 1.71)	1.01 (0.81, 1.26)
Sensitivity analysis b	0.55 (0.43, 0.71)	1.49 (1.29, 1.72)	1.03 (0.83, 1.28)
Sensitivity analysis c	0.55 (0.43, 0.71)	1.50 (1.31, 1.73)	1.01 (0.81, 1.25)
Sensitivity analysis d	0.55 (0.42, 0.71)	1.51 (1.31, 1.74)	1.05 (0.83, 1.34)

BMI, body mass index; FBG, fasting blood glucose; TC, total cholesterol; TG, triglycerides; LDL-C, low-density lipoprotein cholesterol; HDL-C, high-density lipoprotein cholesterol; GDM, gestational diabetes mellitus; SGA, small for gestational age; LGA, large for gestational age; OR, odds ratio; CI, confidence interval.

ORs and 95% CIs were estimated using logistic regression models adjusted for maternal age, pre-pregnancy BMI, parity, FBG, TC, TG, LDL-C, and HDL-C. Sensitivity analyses included: (a) further adjustment for maternal income and education level; (b) exclusion of women with absolute z-scores ≥ 3 (n = 9); (c) exclusion of women with gestational hypertension (n = 32); and (d) exclusion of infants with complications at birth (n = 61).

Supplementary Table 2. Absolute gestational weight gain corresponding to GWG z-score values at specific gestational weeks

Gestational weeks	OR~1	OR = 1.2 interval		OR = 1.5 interval	
	-0.07	Lower (-0.43)	Upper (0.56)	Lower (-0.84)	Upper (1.17)
24	6.38	6.33	6.46	6.28	6.54
24.14	6.45	6.40	6.52	6.35	6.60
24.29	6.51	6.47	6.59	6.42	6.65
24.43	6.58	6.54	6.65	6.49	6.71
24.57	6.64	6.61	6.71	6.56	6.77
24.71	6.71	6.67	6.77	6.63	6.83
24.86	6.78	6.74	6.84	6.70	6.90
25	6.84	6.81	6.90	6.77	6.96
25.14	6.91	6.87	6.96	6.84	7.02
25.29	6.97	6.94	7.03	6.91	7.08
25.43	7.04	7.01	7.09	6.97	7.14
25.57	7.10	7.07	7.16	7.04	7.21
25.71	7.17	7.14	7.22	7.11	7.27
25.86	7.24	7.21	7.29	7.17	7.34
26	7.30	7.27	7.35	7.24	7.40
26.14	7.37	7.34	7.42	7.30	7.47
26.29	7.43	7.40	7.48	7.37	7.53
26.43	7.50	7.47	7.55	7.43	7.60
26.57	7.56	7.53	7.62	7.50	7.67
26.71	7.63	7.60	7.69	7.56	7.74
26.86	7.69	7.66	7.75	7.62	7.81
27	7.76	7.72	7.82	7.69	7.88
27.14	7.82	7.79	7.89	7.75	7.95
27.29	7.89	7.85	7.96	7.81	8.02
27.43	7.96	7.92	8.02	7.87	8.09
27.57	8.02	7.98	8.09	7.93	8.16
27.71	8.09	8.04	8.16	7.99	8.23
27.86	8.15	8.11	8.23	8.05	8.31
28	8.22	8.17	8.30	8.12	8.38
28.14	8.28	8.23	8.37	8.18	8.45
28.29	8.35	8.30	8.44	8.24	8.52
28.43	8.41	8.36	8.51	8.30	8.59
28.57	8.48	8.42	8.57	8.36	8.67
28.71	8.54	8.48	8.64	8.42	8.74
28.86	8.61	8.55	8.71	8.48	8.81
29	8.67	8.61	8.78	8.54	8.89
29.14	8.74	8.67	8.85	8.60	8.96
29.29	8.80	8.74	8.92	8.66	9.03
29.43	8.87	8.80	8.99	8.72	9.11
29.57	8.93	8.86	9.06	8.78	9.18
29.71	9.00	8.92	9.13	8.84	9.25
29.86	9.06	8.99	9.20	8.90	9.33
30	9.13	9.05	9.27	8.96	9.40
30.14	9.19	9.11	9.34	9.02	9.47
30.29	9.26	9.17	9.41	9.08	9.55
30.43	9.32	9.24	9.47	9.14	9.62
30.57	9.39	9.30	9.54	9.20	9.69
30.71	9.45	9.36	9.61	9.26	9.77
30.86	9.52	9.43	9.68	9.32	9.84
31	9.58	9.49	9.75	9.38	9.91
31.14	9.65	9.55	9.82	9.44	9.99
31.43	9.78	9.68	9.96	9.56	10.13
31.57	9.84	9.74	10.03	9.62	10.21
31.71	9.91	9.80	10.10	9.68	10.28
31.86	9.98	9.86	10.17	9.74	10.35



Supplementary Figure 1. Flowchart of the study cohort. GDM, gestational diabetes mellitus