

Association between maternal gestational weight gain and preterm birth according to body mass index and maternal age in Quzhou, China

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Table S1. Prevalence of preterm birth in each GWG category.

	Low GWG					Adequate GWG					Excess GWG					
	N	n	n1	n2	n3	N	n	n1	n2	n3	N	n	n1	n2	n3	
Overall	965	114	83	18	13	2135	150	118	21	11	1174	51	49	2	0	
		(11.8%)	(8.6%)	(1.9%)	(1.3%)		(7.0%)	(5.5%)	(1.0%)	(0.5%)		(4.3%)	(4.2%)	(0.2%)		
Age groups																
<20	13	4	2	0	2	17	4	2	0	2	17	0	0	0	0	
		(30.8%)	(15.4%)		(15.4%)		(23.5%)	(11.8%)		(11.8%)						
20-29	480	49	37	9	3	1158	76	62	9	5	688	20	18	2	0	
		(10.2%)	(7.7%)	(1.9%)	(0.6%)		(6.6%)	(5.4%)	(0.8%)	(0.4%)		(2.9%)	(2.6%)	(0.3%)		
30-34	283	34	22	7	5	626	38	32	5	1	309	17	17	0	0	
		(12.0%)	(7.8%)	(2.5%)	(1.8%)		(6.1%)	(5.1%)	(0.8%)	(0.2%)		(5.5%)	(5.5%)			
>>35	189	27	22	2	3	331	32	22	7	3	160	14	14	0	0	
		(14.3%)	(11.6%)	(1.1%)	(1.6%)		(9.7%)	(6.6%)	(2.1%)	(0.9%)		(8.8%)	(8.8%)			
Educational level																
Primary	35	7	5	0	2	41	5	3	1	1	20	1	1	0	0	
		(20.0%)	(14.3%)		(5.7%)		(12.2%)	(7.3%)	(2.4%)	(2.4%)		(5.0%)	(5.0%)			
Secondary	455	64	44	13	7	1014	71	51	11	9	620	32	31	1	0	
		(14.1%)	(9.7%)	(2.9%)	(1.5%)		(7.0%)	(5.0%)	(1.1%)	(0.9%)		(5.2%)	(5.0%)	(0.2%)		
College	457	41	33	5	3	1037	73	63	9	1	514	17	16	1	0	
		(9.0%)	(7.2%)	(1.1%)	(0.7%)		(7.0%)	(6.1%)	(0.9%)	(0.1%)		(3.3%)	(3.1%)	(0.2%)		
Post-graduate	18	2	1	0	1	43	1	1	0	0	20	1	1	0	0	
		(11.1%)	(5.5%)		(5.5%)		(2.3%)	(2.3%)				(5.0%)	(5.0%)			
Gravidity (before current pregnancy)																
0	263	26	22	2	2	595	47	38	7	2	350	8	6	2	0	
		(9.9%)	(8.4%)	(0.8%)	(0.8%)		(7.9%)	(6.4%)	(1.2%)	(0.3%)		(2.3%)	(1.7%)	(0.6%)		
1-2	481	59	38	13	8	1012	63	46	10	7	561	20	20	0	0	
		(12.3%)	(7.9%)	(2.7%)	(1.7%)		(6.2%)	(4.5%)	(1.0%)	(0.7%)		(3.6%)	(3.6%)			
>>3	221	29	23	3	3	528	40	34	4	2	263	23	23	0	0	
		(13.1%)	(10.4%)	(1.4%)	(1.4%)		(7.6%)	(6.4%)	(0.8%)	(0.4%)		(8.7%)	(8.7%)			
Parity (before current pregnancy)																
Nullipara	409	50	36	8	6	1034	78	64	10	4	646	14	12	2	0	
		(12.2%)	(8.8%)	(2.0%)	(1.5%)		(7.5%)	(6.2%)	(1.0%)	(0.4%)		(2.2%)	(1.9%)	(0.3%)		
Multipara	556	64	47	10	7	1101	72	54	11	7	528	37	37	0	0	
		(11.5%)	(8.5%)	(1.8%)	(1.3%)		(6.5%)	(4.9%)	(1.0%)	(0.6%)		(7.0%)	(7.0%)			
Pre-pregnancy BMI(kg/m²)																

	Number	1st	2nd	3rd	4th	Total	1st	2nd	3rd	4th	Total	1st	2nd	3rd	4th	
Underweight	190	15	10	3	2	371	14	12	1	1	134	6	6	0	0	
		(7.9%)	(5.3%)	(1.6%)	(1.1%)		(3.8%)	(3.2%)	(0.3%)	(0.3%)		(4.5%)	(4.5%)			
Normal	739	93	67	15	11	1609	117	96	15	6	785	28	28	0	0	
		(12.6%)	(9.1%)	(2.0%)	(1.5%)		(7.3%)	(6.0%)	(0.9%)	(0.4%)		(3.6%)	(3.6%)			
Overweight and Obese	36	6	6	0	0	155	19	10	5	4	255	17	15	2	0	
		(16.7%)	(16.7%)				(12.3%)	(6.5%)	(3.2%)	(2.6%)		(6.7%)	(5.9%)	(0.8%)		
Previous history of preterm birth																
Yes	34	8	5	1	2	59	12	8	2	2	26	8	8	0	0	
		(23.5%)	(14.7%)	(2.9%)	(5.9%)		(20.3%)	(13.6%)	(3.4%)	(3.4%)		(30.8%)	(30.8%)			
No	522	56	42	9	5	1042	60	46	9	5	502	29	29	0	0	
		(10.7%)	(8.0%)	(1.7%)	(1.0%)		(5.8%)	(4.4%)	(0.9%)	(0.5%)		(5.8%)	(5.8%)			
Nullipara	409	50	36	8	6	1034	78	64	10	4	646	14	12	2	0	
		(12.2%)	(8.8%)	(2.0%)	(1.5%)		(7.5%)	(6.2%)	(1.0%)	(0.4%)		(2.2%)	(1.9%)	(0.3%)		
Mode of conception																
Nature	946	112	82	18	12	2079	141	112	19	10	1136	48	46	2	0	
		(11.8%)	(8.7%)	(1.9%)	(1.3%)		(6.8%)	(5.4%)	(0.9%)	(0.5%)		(4.2%)	(4.0%)	(0.2%)		
ART	19	2	1	0	1	56	9	6	2	1	38	3	3	0	0	
		(10.5%)	(5.3%)		(5.3%)		(16.1%)	(10.7%)	(3.6%)	(1.8%)		(7.9%)	(7.9%)			
Prenatal care																
none	10	1	0	1	0	11	3	1	0	1	4	0	0	0	0	
		(10.0%)		(10.0%)			(27.2%)	(9.1%)		(9.1%)						
Our hospital	690	66	54	5	7	1599	93	79	10	4	896	40	39	1	0	
		(9.6%)	(7.8%)	(0.7%)	(1.0%)		(5.8%)	(4.9%)	(0.6%)	(0.3%)		(4.5%)	(4.4%)	(0.1%)		
Other hospitals	265	47	29	12	6	525	54	37	11	6	274	11	10	1	0	
		(17.7%)	(10.9%)	(4.5%)	(2.3%)		(10.3%)	(7.0%)	(2.1%)	(1.1%)		(4.0%)	(3.6%)	(0.4%)		
Timing of initiation of prenatal care																
1st-3rd month	861	102	74	16	12	1927	130	103	19	8	1045	47	45	2	0	
		(11.8%)	(8.6%)	(1.9%)	(1.4%)		(6.7%)	(5.3%)	(1.0%)	(0.4%)		(4.5%)	(4.3%)	(0.2%)		
4th-6th month	88	11	9	1	1	185	16	12	2	2	120	3	3	0	0	
		(12.5%)	(10.2%)	(1.1%)	(1.1%)		(8.6%)	(6.5%)	(1.1%)	(1.1%)		(2.5%)	(2.5%)			
7th to final month	6	0	0	0	0	12	1	1	0	0	5	1	1	0	0	
							(8.3%)	(8.3%)				(20.0%)	(20.0%)			
none	10	1	0	1	0	11	3	2	0	1	4	0	0	0	0	
		(10.0%)		(10.0%)			(27.2%)	(9.1%)		(9.1%)						
Pregnancy-induced hypertension																
	17	5	3	1	1	58	11	8	3	0	51	6	5	1	0	
		(29.4%)	(17.6%)	(5.9%)	(5.9%)		(19.0%)	(13.8%)	(5.2%)			(11.8%)	(9.8%)	(2.0%)		

Gestational diabetes mellitus	265	25	17	4	4	428	32	24	7	1	229	13	12	1	0
		(9.4%)	(6.4%)	(16.0%)	(16.0%)		(7.5%)	(5.6%)	(1.6%)	(0.2%)		(5.7%)	(5.2%)	(0.4%)	
Infant Sex															
Male	481	60	43	11	6	1140	96	74	14	8	599	29	28	1	0
		(12.5%)	(8.9%)	(2.3%)	(1.2%)		(8.4%)	(6.5%)	(1.2%)	(0.7%)		(4.8%)	(4.7%)	(0.1%)	
Female	484	54	40	7	7	995	54	44	7	3	575	22	21	1	0
		(11.2%)	(8.3%)	(1.4%)	(1.4%)		(5.4%)	(4.4%)	(0.7%)	(0.3%)		(3.8%)	(3.7%)	(0.1%)	

Data were n/N (%). N means total births records; n means preterm births records; n1 means moderately preterm births records; n2 means very preterm births records; n3 means extremely preterm births records.