

Supplementary Table 3-Adjusted associations of prenatal, perinatal, and early childhood factors with metabolic phenotypes of obesity (group of MHNW as the reference), according to the criterion as UA ≥ 5.5 mg/dL (327 μ mol/L) to define the high UA levels*

	MUNW		MHO		MUO	
	OR (95%CI)	<i>P</i>	OR (95%CI)	<i>P</i>	OR (95%CI)	<i>P</i>
Maternal age at delivery (year)						
<35	1		1		1	
≥35	0.87 (0.60, 1.25)	0.444	0.35 (0.09, 1.38)	0.134	0.59 (0.13, 2.65)	0.495
Maternal education						
High School or less	1		1		1	
Undergraduate	1.28 (0.91, 1.81)	0.156	0.74 (0.30, 1.82)	0.513	1.09 (0.34, 3.51)	0.882
Graduate or above	1.40 (0.90, 2.19)	0.139	0.42 (0.10, 1.85)	0.252	0.37 (0.05, 2.56)	0.315
Annual family income (RMB)						
<10,000	1		1		1	
10,000-20,000	0.88 (0.71, 1.10)	0.251	1.14 (0.56, 2.28)	0.723	1.82 (0.74, 4.49)	0.195
≥20,000	0.78 (0.61, 1.00)	0.049	1.58 (0.74, 3.38)	0.240	2.09 (0.79, 5.55)	0.139
Prepregnancy BMI (kg/m²)						
<18.5	0.90 (0.67, 1.21)	0.490	1.42 (0.38, 5.27)	0.602	0.58 (0.07, 4.63)	0.609
18~23	1		1		1	
23~27.5	1.12 (0.90, 1.40)	0.296	3.84 (1.77, 8.35)	0.001	2.10 (0.92, 4.79)	0.077
≥27.5	1.31 (0.93, 1.84)	0.117	11.22 (4.86, 25.88)	<0.001	4.35 (1.62, 11.66)	0.004
Gestational weight gain						
Inadequate	0.95 (0.77, 1.16)	0.612	1.20 (0.55, 2.64)	0.643	0.58 (0.21, 1.61)	0.296
Appropriate	1		1		1	
Excessive	1.03 (1.03, 1.29)	0.816	1.49 (0.77, 2.90)	0.236	1.86 (0.89, 3.89)	0.099
Maternal history of gestational diabetes mellitus						

Without	1		1		1	
With	1.01 (0.72, 1.42)	0.964	0.42 (0.12, 1.48)	0.179	2.21 (0.91, 5.36)	0.080
Gravidity						
1	1		1		1	
≥2	1.14 (0.95, 1.38)	0.169	1.88 (1.07, 3.32)	0.030	0.93 (0.46, 1.88)	0.847
Delivery mode						
Vaginal delivery	1		1		1	
Cesarean delivery	0.93 (0.78, 1.10)	0.382	0.93 (0.52, 1.64)	0.791	1.26 (0.64, 2.48)	0.508
Gestational age						
Preterm	1.11 (0.65, 1.91)	0.697	0.68 (0.12, 3.90)	0.662	2.31 (0.58, 9.16)	0.234
Full-term	1		1		1	
Paternal education						
High School or less	1		1		1	
Undergraduate	1.05 (0.76, 1.43)	0.782	1.23 (0.50, 3.02)	0.647	1.00 (0.34, 2.93)	0.998
Graduate or above	1.12 (0.74, 1.69)	0.590	1.14 (0.31, 4.25)	0.842	1.19 (0.28, 5.10)	0.817
Family history of metabolic disturbances						
Without	1		1		1	
With	0.94 (0.79, 1.12)	0.491	0.87 (0.50, 1.53)	0.633	0.60 (0.31, 1.17)	0.131
Child sex						
Male	0.91 (0.77, 1.08)	0.294	1.09 (0.64, 1.87)	0.753	1.53 (0.80, 2.94)	0.203
Female	1		1		1	
Birth weight (g)						
<2500	1.20 (0.63, 2.28)	0.590	1.23 (0.12, 12.27)	0.858	1.37 (0.20, 9.37)	0.750
2500~3999	1		1		1	
≥4000	0.92 (0.77, 1.26)	0.598	2.89 (1.52, 5.52)	0.001	1.39 (0.59, 3.30)	0.456

Breastfeeding duration (month)						
<6	1		1		1	
≥6	0.98 (0.82, 1.17)	0.826	0.89 (0.52, 1.52)	0.659	0.63 (0.33, 1.19)	0.153

*2118 (70.2%), 781 (25.9%), 69 (2.3%), and 47 (1.6%) children were classified as MHNW, MUNW, MHO, and MUO, respectively.