

Supplementary Table 1-Unadjusted associations of prenatal, perinatal, and early childhood factors with metabolic phenotypes of obesity (group of MHNW as the reference)

	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	0.93 (0.65, 1.34)	0.704	0.86 (0.31, 2.39)	0.770	0.39 (0.05, 2.83)	0.348
Maternal education						
High School or less	1		1		1	
College	1.30 (0.96, 1.76)	0.092	0.66 (0.35, 1.25)	0.200	0.94 (0.37, 2.44)	0.905
Above college	1.37 (0.94, 1.99)	0.104	0.30 (0.10, 0.96)	0.041	0.36 (0.07, 1.90)	0.230
Annual family income (RMB)						
<10,000	1		1		1	
10,000-20,000	0.94 (0.76, 1.18)	0.609	0.95 (0.52, 1.74)	0.874	1.49 (0.60, 3.74)	0.392
≥20,000	0.88 (0.69, 1.12)	0.299	1.03 (0.54, 1.95)	0.937	1.48 (0.56, 3.93)	0.429
Prepregnancy BMI (kg/m²)						
<18.5	0.90 (0.66, 1.22)	0.499	0.99 (0.28, 3.44)	0.984	0.55 (0.07, 4.35)	0.570
18~23	1		1		1	
23~27.5	1.13 (0.92, 1.38)	0.262	3.68 (1.94, 6.98)	<0.001	3.64 (1.60, 8.28)	0.002
≥27.5	1.30 (0.94, 1.80)	0.110	11.30 (5.77, 22.13)	<0.001	9.01 (3.67, 22.09)	<0.001
Gestational weight gain						
Inadequate	0.91 (0.74, 1.12)	0.386	0.77 (0.40, 1.49)	0.433	0.40 (0.14, 1.12)	0.081
Appropriate	1		1		1	
Excessive	1.07 (0.86, 1.34)	0.544	2.41 (1.38, 4.20)	0.002	2.19 (1.08, 4.45)	0.029
Maternal history of gestational diabetes mellitus						
Without	1		1		1	

With	1.09 (0.78, 1.54)	0.609	1.11 (0.44, 2.80)	0.823	2.63 (1.09, 6.37)	0.032
Gravidity						
1	1		1		1	
≥2	1.09 (0.91, 1.32)	0.363	2.01 (1.24, 3.26)	0.005	1.15 (0.58, 2.28)	0.684
Delivery mode						
Vaginal delivery	1		1		1	
Cesarean delivery	0.92 (0.78, 1.10)	0.369	1.55 (0.96, 2.51)	0.075	1.43 (0.75, 2.71)	0.278
Gestational age						
Preterm	1.24 (0.78, 1.96)	0.364	0.86 (0.21, 3.59)	0.840	3.41 (1.18, 9.83)	0.023
Full-term	1		1		1	
Paternal education						
High School or less	1		1		1	
College	1.13 (0.85, 1.49)	0.400	0.68 (0.36, 1.28)	0.231	1.00 (0.39, 2.61)	0.994
Above college	1.19 (0.84, 1.69)	0.321	0.45 (0.17, 1.23)	0.119	0.91 (0.26, 3.17)	0.878
Family history of metabolic disturbances						
Without	1		1		1	
With	0.94 (0.79, 1.12)	0.461	1.05 (0.66, 1.69)	0.837	1.04 (0.55, 1.95)	0.916
Child sex						
Male	0.84 (0.71, 1.00)	0.047	1.35 (0.85, 2.16)	0.208	1.27 (0.68, 2.38)	0.452
Female	1		1		1	
Birth weight (g)						
<2500	1.07 (0.60, 1.89)	0.828	0.75 (0.10, 5.53)	0.777	2.66 (0.62, 11.43)	0.189
2500~3999	1		1		1	
≥4000	0.92 (0.67, 1.27)	0.612	3.72 (2.16, 6.4)	<0.001	2.78 (1.26, 6.13)	0.012
Breastfeeding duration (month)						
<6	1		1		1	

≥ 6	0.98 (0.82, 1.16)	0.777	0.93 (0.58, 1.5)	0.769	0.49 (0.26, 0.92)	0.027
----------	-------------------	-------	------------------	-------	-------------------	-------
