

Table S1. Associations of duration of full breastfeeding and the risk of overweight/obesity in early childhood among all participants.

Duration	N (%)	OR (95% CI)	aOR (95% CI)
<1 month	3702 (19.3)	Ref.	Ref.
1-2 months	643 (18.7)	0.96 (0.87, 1.05)	0.99 (0.90, 1.09)
3-5 months	2059 (14.0)	0.68 (0.64, 0.72)	0.75 (0.71, 0.80)
≥ 6 months	600 (15.8)	0.78 (0.71, 0.86)	0.85 (0.77, 0.93)

Abbreviation: aOR: adjusted odds ratio; CI: confidence intervals; OR: odds ratio

Adjusted for: maternal age, maternal educational levels, parity, gravidity, gestational diabetes mellitus status, hypertensive disorders of pregnancy, neonatal gender, gestational age at delivery, mode of delivery, early-pregnancy body mass index, weight gain during pregnancy, anthropometric measurements at 9 months.

Table S2. Associations of GDM status and duration of full breastfeeding with the risk of overweight/obesity in early childhood.

GDM	Duration	OR (95% CI)	aOR (95% CI)
No	<1 month	Ref.	Ref.
No	1-2 months	0.96 (0.87, 1.07)	1.04 (0.92, 1.18)
No	3-5 months	0.70 (0.66, 0.75)	0.87 (0.80, 0.94)
No	≥ 6 months	0.80 (0.72, 0.89)	0.83 (0.73, 0.95)
Yes	<1 month	1.10 (1.01, 1.20)	1.11 (1.02, 1.21)
Yes	1-2 months	1.03 (0.85, 1.26)	1.10 (0.87, 1.40)
Yes	3-5 months	0.65 (0.57, 0.73)	0.97 (0.84, 1.12)
Yes	≥ 6 months	0.79 (0.64, 0.98)	0.63 (0.48, 0.83)

Abbreviation: aOR: adjusted odds ratio; CI: confidence intervals; GDM: gestational diabetes mellitus; OR: odds ratio

Adjusted for: maternal age, maternal educational levels, parity, gravidity, hypertensive disorders of pregnancy, neonatal gender, gestational age at delivery, mode of delivery, early-pregnancy body mass index, weight gain during pregnancy, anthropometric measurements at 9 months

Table S3. Associations of size at birth and duration of full breastfeeding with the risk of overweight/obesity in early childhood.

Size at birth	Duration	OR (95% CI)	aOR (95% CI)
SGA	<1 month	0.34 (0.28, 0.42)	0.41 (0.33, 0.50)
SGA	1-2 months	0.36 (0.23, 0.56)	0.44 (0.28, 0.68)
SGA	3-5 months	0.30 (0.24, 0.39)	0.42 (0.33, 0.55)
SGA	≥ 6 months	0.38 (0.25, 0.57)	0.55 (0.36, 0.83)
AGA	<1 month	Ref.	Ref.
AGA	1-2 months	1.00 (0.89, 1.11)	1.01 (0.91, 1.13)
AGA	3-5 months	0.67 (0.63, 0.72)	0.72 (0.67, 0.77)
AGA	≥ 6 months	0.79 (0.71, 0.88)	0.83 (0.74, 0.92)
LGA	<1 month	2.03 (1.86, 2.23)	1.55 (1.41, 1.71)
LGA	1-2 months	1.74 (1.41, 2.14)	1.41 (1.14, 1.73)
LGA	3-5 months	1.37 (1.22, 1.54)	1.12 (0.99, 1.25)
LGA	≥ 6 months	1.53 (1.24, 1.89)	1.17 (0.94, 1.45)

Abbreviation: aOR: adjusted odds ratio; AGA: appropriate for gestational age; CI: confidence intervals; LGA: large for gestational age; OR: odds ratio; SGA: small for gestational age

Adjusted for: maternal age, maternal educational levels, parity, gravidity, gestational diabetes mellitus status, hypertensive disorders of pregnancy, neonatal gender, gestational age at delivery, mode of delivery, early-pregnancy body mass index, weight gain during pregnancy, anthropometric measurements at 9 months

Table S4. Associations of duration of full breastfeeding with the risk of overweight/obesity in early childhood, stratified by GDM status during pregnancy and size at birth.

Duration	N (%)	OR (95% CI)	aOR (95% CI)
Without GDM & SGA			
<1 month	74 (6.3)	Ref.	Ref.
1-2 months	20 (7.6)	1.23 (0.73, 2.05)	1.56 (0.83, 2.92)
3-5 months	62 (7.1)	1.13 (0.80, 1.60)	1.11 (0.72, 1.72)
≥ 6 months	18 (6.6)	1.04 (0.61, 1.77)	0.87 (0.45, 1.70)
Without GDM & AGA			
<1 month	2200 (18.2)	Ref.	Ref.
1-2 months	406 (18.4)	1.01 (0.90, 1.14)	1.06 (0.94, 1.20)
3-5 months	1294 (13.3)	0.69 (0.64, 0.74)	0.75 (0.70, 0.81)
≥ 6 months	377 (15.2)	0.81 (0.72, 0.91)	0.86 (0.77, 0.98)
Without GDM & LGA			
<1 month	640 (31.0)	Ref.	Ref.
1-2 months	92 (26.7)	0.81 (0.63, 1.05)	0.80 (0.61, 1.04)
3-5 months	368 (23.8)	0.69 (0.60, 0.81)	0.66 (0.56, 0.77)
≥ 6 months	100 (26.9)	0.81 (0.64, 1.04)	0.75 (0.58, 0.97)
GDM & SGA			
<1 month	29 (10.0)	Ref.	Ref.
1-2 months	2 (6.2)	0.63 (0.14, 2.82)	0.29 (0.03, 3.12)
3-5 months	3 (2.1)	0.19 (0.06, 0.64)	0.19 (0.04, 0.79)
≥ 6 months	7 (15.9)	1.70 (0.68, 4.23)	1.79 (0.13, 24.60)
GDM & AGA			
<1 month	532 (18.8)	Ref.	Ref.
1-2 months	85 (17.4)	0.92 (0.71, 1.18)	0.88 (0.68, 1.14)
3-5 months	245 (12.3)	0.60 (0.51, 0.71)	0.61 (0.51, 0.72)
≥ 6 months	75 (14.6)	0.73 (0.56, 0.95)	0.69 (0.52, 0.91)
GDM & LGA			
<1 month	227 (32.1)	Ref.	Ref.
1-2 months	38 (31.7)	0.99 (0.65, 1.50)	1.00 (0.65, 1.52)
3-5 months	87 (22.2)	0.61 (0.45, 0.81)	0.62 (0.45, 0.85)
≥ 6 months	23 (21.1)	0.57 (0.35, 0.92)	0.51 (0.31, 0.85)

Abbreviation: aOR: adjusted odds ratio; AGA: appropriate for gestational age; CI: confidence intervals; GDM: gestational diabetes mellitus; LGA: large for gestational age; OR: odds ratio; SGA: small for gestational age. **Adjusted for:** maternal age, maternal educational levels, parity, gravidity, hypertensive disorders of pregnancy, neonatal gender, gestational age at delivery, mode of delivery, early-pregnancy body mass index, weight gain during pregnancy, anthropometric measurements at 9 months