

**Supplementary Table 1. Comparison of baseline characteristics between mothers without and with neonatal data**

Characteristic	Mothers with neonatal data		Total (N=401)	P-value
	No (N=251)	Yes (N=150)		
Age (yr)	31.44±4.23 (20.0–41.0) <sup>a)</sup>	31.65±4.51 (20.0–41.0)	31.52±4.33 (20.0–41.0)	0.634
Weight (kg)	73.33±12.9 (48.0–140.0) <sup>a)</sup>	75.45±12.9 (47.00–117.20)	74.13±12.9 (47.00–140.00)	0.114
Weight category				0.466
Overweight	15 (6.10)	12 (8.00)	27 (6.82)	
Normal weight	231 (93.90)	138 (92.00)	369 (93.18)	
Height (cm)	160.41±6.53 (149.00–175.00) <sup>a)</sup>	161.14±6.65 (150.00–175.00) <sup>b)</sup>	160.68±6.58 (149.00–175.00)	0.284
BMI (kg/m <sup>2</sup> )	28.51±4.7 (16.20–50.20) <sup>a)</sup>	29.00±4.66 (18.00–42.70) <sup>b)</sup>	28.69±4.72 (16.20–50.20)	0.324
Elevated blood pressure				0.145
Yes	±11 (4.47)	12 (8.00)	23 (5.81)	
No	235 (95.53)	138 (92.00)	373 (94.19)	
GA (wk)	37.37±0.91 (28.00–40.10)	37.35±0.71 (35.00–41.00)	37.36±0.84 (28.00–40.10)	0.784
Parity				0.470
Primiparous	110 (44.90)	72 (48.65)	182 (46.31)	
Multiparous	135 (55.10)	76 (51.35)	211 (53.69)	
Birth mode				0.432
Vaginal	12 (50.00)	60 (58.82)	72 (57.14)	
Caesarean section	12 (50.00)	42 (41.18)	54 (42.86)	
Family history of DM				0.003
Yes	26 (10.57)	32 (21.33)	58 (14.65)	
No	220 (89.43)	118 (78.67)	338 (85.35)	
Ethnic group				0.165
Yoruba	160 (65.04)	90 (60.81)	250 (63.45)	
Igbos	78 (31.71)	47 (31.76)	125 (31.73)	
Others	8 (3.25)	11 (7.43)	19 (4.82)	
FSI (mU/L)	6.10 (3.40–9.85) (0.10–59.40) <sup>c)</sup>	6.20 (3.20–10.50) (0.20–36.00)	6.10 (3.30–10.0) (0.10–59.40)	0.85
Hyperinsulinaemia				0.989
Yes	15 (6.07%)	9 (6.04)	24 (6.06)	
No	232 (93.93%)	140 (93.96)	372 (93.94)	
FSG (mg/dL)	78.12±7.94 (56.10–124.00) <sup>c)</sup>	78.39±8.01 (56.00–101.00)	78.22±7.96 (56.00–124.00)	0.738
FSG category				0.06
Hyperglycaemia	9 (3.64)	12 (8.00)	21 (5.29)	
Normal	238 (96.36)	138 (92.00)	376 (94.71)	
HOMA-IR	1.16 (0.63–1.95) (0.02–11.73) <sup>c)</sup>	1.15 (0.64–2.01) (0.03–6.70) <sup>b)</sup>	1.15 (0.63–1.96) (0.02–11.73)	0.84
HOMA-IR class				0.743
Elevated HOMA-IR	61 (24.70)	39 (26.17)	100 (25.25)	
Normal HOMA-IR	186 (75.30)	110 (73.83)	296 (74.75)	
SEC				0.817
High	27 (10.98)	18 (12.08)	45 (11.39)	
Middle	218 (88.62)	131 (87.92)	349 (88.36)	
Low	1 (0.41)	0 (0)	1 (0.25)	

Values are presented as mean±standard deviation (range), median (interquartile range) (range), or number (%).

SEC derived from education and occupation of both parents using Ibadin & Akpede scale.

BMI, body mass index; GA, gestational age; DM, diabetes mellitus; FSI, fasting serum insulin; FSG, fasting serum glucose; HOMA-IR, homeostatic model assessment of insulin resistance; SEC, socioeconomic status.

Missing values: <sup>a)</sup>5 missing values; <sup>b)</sup>1 missing; <sup>c)</sup>4 missing.

Definitions: overweight= weight at recruitment ≥95 kg, elevated blood pressure= systolic blood pressure at recruitment ≥140 mmHg and/or diastolic pressure ≥90 mmHg; hyperinsulinaemia= FSI >20 μU/mL; hyperglycaemia= FSG >91 mg/dL; elevated HOMA-IR =HOMA-IR >1.96 (>75th centile).