

Supplement Table 1. Demographic, anthropometric, and laboratory characteristics by birth weight category

Birth weight	<2500	2500-2999	3000-3999	≥4000	Trend test
	n=146	n=1067	n=2462	n=62	p value
	Mean ± SD	Mean ± SD	Mean ± SD	Mean ± SD	
Height (cm)	167.8 ± 5.2	169.2 ± 5.4	171.4 ± 5.5	174.7 ± 6.6	<0.01
Weight (kg)	57.8 ± 7.7	59.1 ± 8.0	61.3 ± 8.6	65.6 ± 8.6	<0.01
BMI (kg/m ²)	20.5 ± 2.2	20.6 ± 2.6	20.8 ± 2.6	21.5 ± 2.3	<0.01
SBP (mm Hg)	114.6 ± 11.1	116.0 ± 13.5	114.9 ± 12.9	113.7 ± 14.0	0.52
DBP (mm Hg)	62.0 ± 8.5	63.9 ± 9.8	63.5 ± 9.1	62.5 ± 8.5	0.80
Mean BP(mm Hg)	79.6 ± 8.4	81.3 ± 10.1	80.6 ± 9.5	79.6 ± 9.8	0.90
Creatinine (mg/dL)	0.79 ± 0.11	0.79 ± 0.11	0.79 ± 0.10	0.78 ± 0.09	0.39
eGFR (mL/min)	96.2 ± 14.1	98.5 ± 14.7	101.5 ± 14.9	107.6 ± 17.2	<0.01
Total cholesterol (mg/dL)	167.3 ± 29.1	168.2 ± 26.7	168.0 ± 27.3	168.0 ± 25.4	0.89
Triglyceride (mg/dL)*	57.5 (42.3-77.8)	54.0 (40.0-75.0)	52.0 (38.0-73.0)	47.5 (38.5-74.8)	0.36
High density lipoprotein (mg/dL)	63.3 ± 12.9	63.5 ± 12.4	64.1 ± 12.9	63.9 ± 13.4	0.69
Uric acid (mg/dL)	6.0 ± 1.1	6.1 ± 1.2	5.9 ± 1.1	5.7 ± 1.1	0.04
Glucose (mg/dL)	86.6 ± 7.3	86.6 ± 7.8	86.3 ± 8.2	86.4 ± 7.6	0.79
Gestational age (weeks)	37.0 ± 2.0	38.7 ± 1.5	39.4 ± 1.3	40.1 ± 0.9	<0.01

Note. BMI, body mass index; SBP, systolic blood pressure; DBP, diastolic blood pressure; eGFR, estimated glomerular filtration rate. Values are expressed as mean ± SD.

* TG value are expressed as median(IQR).

Trend test : a trend test with a linear contrast between birth weight category.

Supplement Table 2. Simple and multiple linear regression analyses of factors associated with eGFR

	simple liner regression analysis				multiple liner regression analysis		
	Coeff	95%CI	p value	R2	Coeff	95%CI	p value
Current weight (1kg)	0.05	-0.01 to 0.10	0.10	0.00073	0.12	0.06 to 0.18	<0.01
Birth weight (1kg)	5.24	4.01 to 6.48	<0.01	0.018	3.45	2.16 to 4.74	<0.01
Total cholesterol (1mg/dL)	-0.04	-0.06 to -0.02	<0.01	0.0045	-0.05	-0.06 to -0.03	<0.01
Triglyceride (1mg/dL)	-0.02	-0.03 to -0.005	<0.01	0.0020			
HDL (1mg/dL)	0.03	-0.005 to 0.07	0.09	0.00076	0.06	0.02 to 0.10	<0.01
Glucose (1mg/dL)	0.12	0.06 to 0.19	<0.01	0.0043	0.11	0.04 to 0.17	<0.01
Uric acid (1mg/dL)	-2.15	-2.57 to -1.73	<0.01	0.027	-2.13	-2.57 to -1.70	<0.01
Mean BP (1mmHg)	-0.03	-0.08 to 0.02	0.24	0.00037			

Abbreviations: CI, confidence interval; Coeff, β coefficient; HDL, high-density lipoprotein; BP, blood pressure.

Multiple linear regression analysis was adjusted for age, year, BW, and metabolic parameters. The results are the final selected model.