

Supplementary Table 1. Characteristics of the study population between the first and second pregnancy

Characteristics	1st pregnancy	2nd pregnancy	T/χ^2	<i>P</i> -value
	Mean $\pm$ SD/ <i>N</i>	Mean $\pm$ SD/ <i>N</i>		
	(%)	(%)		
Age	28.37 $\pm$ 3.22	31.91 $\pm$ 3.40	197.15	<0.001
Age $\geq$ 35 years	193 (3.1%)	1253 (20.2%)	5242.67	<0.001
Pre-pregnancy weight (kg)	57.08 $\pm$ 8.72	58.81 $\pm$ 9.20	−19.66	<0.001
Height (cm)	162.50 $\pm$ 4.86			
Pre-pregnancy BMI	21.58 $\pm$ 3.11	22.25 $\pm$ 3.26	−19.91	<0.001
Pre-pregnancy BMI $\geq$ 28 kg/m ²	183 (3.5%)	280 (5.4%)	3802.25	<0.001
Pre-pregnancy BMI 24–28 kg/m ²	831 (16.0%)	1036 (20.2%)		
Area under the curve of OGTT	13.26 $\pm$ 2.12	13.41 $\pm$ 2.26	5.78	<0.001
FPG $\geq$ 5.6 in OGTT	112 (2.1%)	171 (2.8%)	163.86	<0.001
Two or more abnormal OGTT value	302 (5.5%)	467 (7.5%)	409.55	<0.001
OGTT-fasting	4.53 $\pm$ 0.46	4.56 $\pm$ 0.50	−6.81	<0.001
OGTT-1 h	7.72 $\pm$ 1.58	7.81 $\pm$ 1.67	4.45	<0.001
OGTT-2 h	6.57 $\pm$ 1.25	6.66 $\pm$ 1.31	−4.75	<0.001
Birth weight	3342 $\pm$ 468	3372 $\pm$ 453	5.06	<0.001
Delivered weeks	39.09 $\pm$ 1.55	38.66 $\pm$ 1.42	19.64	<0.001
GDM	1002 (16.2%)	1327 (21.4%)	608.75	<0.001
PTB	293 (4.8%)	319 (5.2%)	155.74	<0.001
Macrosomia	446 (7.3%)	470 (7.6%)	259.37	<0.001

BMI: Body mass index; FPG: Fasting plasma glucose; GDM: Gestational diabetes

mellitus; OGTT: Oral glucose tolerance test; PTB: Preterm birth; SD: Standard deviation.