

Appendix Table 3. Maternal baseline characteristics with respect to pre-pregnancy status of FSG and BMI

	Pre-pregnancy status of FSG and BMI								Total (N=634030)
	Group 1 (N=124288)	Group 2 (N=405190)	Group 3 (N=61389)	Group 4 (N=12395)	Group 5 (N=5515)	Group 6 (N=19824)	Group 7 (N=4329)	Group 8 (N=1100)	
Region (N, %)									
Pearl river delta	58938(47.4)	182281(45.0)	22600(36.8)	4509(36.4)	2210(40.1)	7755(39.1)	1414(32.7)	388(35.3)	280095(44.2)
Non-Pearl River delta	65350(52.6)	222909 (55.0)	38789(63.2)	7886(63.6)	3305(59.9)	12069(60.9)	2915(67.3)	712(64.7)	353935(55.8)
Migrant population (N, %)									
Yes	11500(9.3)	42388(10.5)	5823(9.5)	1134(9.2)	567(10.3)	2382(12.0)	447(10.3)	109(9.9)	64350(10.2)
No	112788(90.8)	362802(89.5)	55566(90.5)	11261 (90.6)	4948(89.7)	17442(88.0)	3882(89.7)	991(90.1)	569680(89.8)
Age at baseline (N, %)									
19~24 years	50280(40.5)	137994(34.1)	16255(26.5)	3261(26.3)	2270(41.2)	6485(32.7)	1007(23.3)	243(22.1)	217795(34.4)
25~29 years	59279(47.7)	181096(44.7)	24968(40.7)	4999(40.3)	2572(46.6)	8930(45.1)	1800(42.6)	420(38.2)	284064(44.8)
30~34 years	11984(9.6)	61285(15.1)	13021(21.2)	2674(21.6)	543(9.9)	3083(15.6)	955(22.1)	264(24.0)	93809(14.8)
35~39 years	2505(2.0)	21527(5.4)	5946(9.7)	1213(9.8)	114(2.1)	1113(5.6)	462(10.7)	146(13.3)	33026(5.2)
40~50 years	240(0.2)	3288(0.8)	1199(2.0)	248(2.0)	16(0.3)	213(1.1)	105(2.4)	27(2.5)	5336(0.8)
Education (N, %)									
Primary school or below	2382(1.9)	8753(2.2)	1860(3.0)	463(3.7)	131(2.4)	489(2.5)	129(3.0)	54(4.9)	14261(2.3)
Junior high school	48780(39.3)	168656(41.6)	28842(47.0)	6198(50.0)	2295(41.6)	8607(43.4)	2038(47.1)	526(47.8)	265942(41.9)
Senior high school	33220(26.7)	108346(26.7)	15521(25.3)	3122(25.2)	1423(25.8)	4951(25.0)	1099(25.4)	291(26.5)	167973(26.5)
College or above	39906(32.1)	119435(29.5)	15166(24.7)	2612(21.1)	1666(30.2)	5777(29.1)	1063(24.6)	229(20.8)	185854(29.3)
Occupation (N, %)									
Farmer	41226(33.2)	137439(33.9)	22302(36.3)	4750(38.3)	1926(34.9)	7024(35.4)	1603(37.0)	440(40.0)	216710(34.2)
Worker	36191(29.1)	121315(29.9)	19684(32.1)	4073(32.9)	1656(30.0)	5781(29.2)	1389(32.1)	355(32.3)	190444(30.0)
Servicer	16955(13.6)	56179(13.9)	7684(12.5)	1506(12.2)	716(13.0)	2663(13.4)	520(12.0)	120(10.9)	86343(13.6)
Others	29916(24.1)	90257(22.3)	11719(19.1)	2066(16.7)	1217(22.1)	4356(21.9)	817(18.9)	185(16.8)	140533(22.2)
Ethnicity (N, %)									
Han	123572(99.4)	402429(99.3)	60966(99.3)	12306(99.3)	5483(99.4)	19672(99.3)	4290(99.1)	1094(99.5)	629812(99.3)
Other	716(0.6)	2761(0.7)	423(0.7)	89(0.7)	32(0.6)	152(0.8)	39(0.9)	6(0.6)	4218(0.7)
History of pregnancy and adverse pregnancy outcomes (N, %)									
History of preterm	283(0.2)	1181(0.3)	274(0.5)	54(0.4)	10(0.2)	41(0.2)	12(0.3)	3(0.3)	1858(0.3)
History of miscarriage	3040(2.5)	11227(2.8)	2289(3.7)	492(4.0)	107(1.9)	455(2.3)	136(3.1)	39(3.6)	17785(2.8)
History of induced abortion	14464(11.6)	49531(12.2)	9199(14.9)	1882(15.2)	539(9.8)	2163(10.9)	599(13.8)	175(15.9)	78472(12.4)
History of stillbirth	743(0.6)	3259(0.8)	770(1.3)	183(1.5)	19(0.3)	118(0.6)	42(1.0)	28(2.6)	5162(0.8)
History of birth defect	214(0.17)	1061(0.3)	274(0.45)	62(0.5)	0(0)	30(0.2)	6(0.1)	2(0.2)	1649(0.3)
First pregnancy [#]	91815(73.9)	264473(65.3)	29569(48.2)	5745(46.4)	4294(77.9)	13782(69.5)	2281(52.7)	545(50.0)	412504(65.1)
Primipara [†]	102846(82.8)	294234(72.6)	33776(55.0)	6640(53.6)	4726(85.7)	15189(76.6)	2593(59.9)	631(57.4)	460635(72.6)
Lifestyle before pregnancy (N, %)									
Active smoke [#]	353(0.3)	859(0.2)	188(0.3)	52(0.4)	12(0.2)	45(0.2)	16(0.4)	5(0.5)	1530(0.2)
Passive smoke [#]	23439(18.9)	69220(17.1)	9016(14.7)	1706(13.8)	906(16.4)	2988(15.1)	645(14.9)	170(15.5)	108090(17.1)
Alcohol [#]	7462(6.0)	26041(6.4)	3372(5.5)	564(4.6)	259(4.7)	1196(6.0)	229(5.3)	67(6.1)	39190(6.2)
Husband smoke [#]	36514(29.4)	106104(26.2)	17319(28.2)	3698(29.8)	1686(30.6)	5520(27.9)	1319(30.5)	364(33.1)	172524(27.2)
Lifestyle during early pregnancy (N, %)									
Active smoke [#]	795(0.6)	2506(0.6)	385(0.6)	66(0.5)	36(0.7)	153(0.8)	36(0.8)	17(1.6)	3994(0.6)
Alcohol [#]	1428(1.2)	4867(1.2)	685(1.1)	133(1.1)	64(1.2)	253(1.3)	58(1.3)	19(1.7)	7507(1.2)
Husband smoke [#]	25993(20.9)	82212(20.3)	12899(21.0)	2662(21.5)	1098(19.9)	3994(20.2)	849(19.6)	281(25.6)	129988(20.5)

BMI: body mass index; FSG: fasting serum glucose. Pre-pregnancy status of FSG and BMI are defined as follows: Group 1: Underweight (BMI<18.5) plus normoglycaemia (FSG<6.1mmol/L); Group 2: Normal weight (18.5-24.0) plus normoglycaemia; Group 3: Overweight (27.9≥BMI≥24) plus normoglycaemia; Group 4: Obesity (BMI≥28) plus normoglycaemia; Group 5: Underweight plus IFG (7.0 mmol/L >FSG≥6.1

mmol/L); Group 6: normal weight plus IFG; Group 7: Overweight plus IFG; Group 8: Obesity plus IFG.

*Denominators provided as missing data existed.