

Annex 1: risk factors for gestational diabetes mellitus

	Total (n= 803)			Early Test (<24 gestational age) (n= 286)			Standard test (24-28 gestational age) (n= 232)			Late test (>28 gestational age) (n= 285)		
	Controls (n= 511)	GDM (n= 292)	<i>p</i> <i>value</i>	Controls (n= 184)	GDM (n= 102)	<i>p</i> <i>value</i>	Controls (n= 153)	GDM (n= 79)	<i>p</i> <i>value</i>	Controls (n= 174)	GDM (n= 111)	<i>p</i> <i>value</i>
Age >= 30, n (%)	225 (44)	184 (63)	<.001*	83 (45.1)	73 (71.6)	<.001*	71 (46.4)	50 (63.3)	.015	71 (40.8)	61 (55)	.019
Overweight/Obesity, n (%)	401 (78.5)	267 (91.4)	<.001*	151 (82.1)	94 (92.2)	.020*	116 (75.8)	72 (91.1)	.005*	134 (77)	101 (91)	.002*
Family health history of DM, n (%)	341 (66.7)	231 (79.1)	<.001*	124 (67.4)	86 (84.3)	.002*	98 (64.1)	56 (70.9)	.296	119 (68.4)	89 (80.2)	.029*
Obstetric problems, n (%)	148 (29)	111 (38)	.008*	60 (32.6)	49 (48)	.010*	43 (28.1)	31 (39.2)	.085	45 (25.9)	31 (27.9)	.701
Insulin resistance, n (%)	220 (43.1)	155 (53.1)	.019*	82 (44.6)	53 (52)	.230	58 (37.9)	40 (50.6)	.063	80 (46)	62 (55.9)	.208
Weight Gain (>20 kg), n (%)	59 (11.5)	37 (12.7)	.636	27 (14.7)	15 (14.7)	.994	17 (11.1)	9 (11.4)	.949	15 (8.6)	13 (11.7)	.393
Hypertension, n (%)	34 (6.7)	35 (12)	.009*	13 (7.1)	16 (15.8)	.020*	7 (4.6)	10 (12.7)	.025*	14 (8)	9 (8.1)	.985
Hyperlipidemia, n (%)	400 (78.3)	239 (82.1)	.192	101 (54.9)	69 (67.6)	.035*	138 (90.2)	68 (86.1)	.346	161 (92.5)	102 (92.7)	.950
Multiparous, n (%)	173 (33.9)	124 (42.8)	.036*	63 (34.4)	45 (44.1)	.216	58 (37.9)	30 (38.5)	.935	52 (29.9)	49 (44.5)	.012*
Number of risk factors, mean ± SD	3.93 ± 1.62	4.74 ± 1.62	<.001*	3.84 ± 1.71	4.90 ± 1.47	<.001*	3.96 ± 1.56	4.63 ± 1.44	.002*	3.98 ± 1.57	4.66 ± 1.54	<.001*

*Statistically significant. GDM= gestational diabetes mellitus; SD= standard deviation, DM= diabetes mellitus