

Supplementary Table 1 Maternal characteristics by maternal ethnicity

	White British (n=142)	Pakistani (n=324)
GDM treatment, n (%)		
Lifestyle changes advice alone	37 (26.1)	111 (34.3)
Pharmaceutical treatment	105 (73.9)	213 (65.7)
Age at childbirth (years), median (IQR)	30.0 (9.4)	30.8 (7.4)
BMI at booking (kg/m²), median (IQR)	27.9 (10.5)	26.9 (7.1)
BMI category at booking, n (%)		
Underweight (<i>BMI</i> < 18.5 kg/m ²)	2 (1.4)	7 (2.2)
Normal weight (<i>18.5</i> ≤ <i>BMI</i> ≤ <i>24.9</i> kg/m ²)	53 (37.3)	99 (30.6)
Overweight (<i>25.0</i> ≤ <i>BMI</i> ≤ <i>29.9</i> kg/m ²)	29 (20.4)	121 (37.3)
Obese (<i>BMI</i> ≥ <i>30.0</i> kg/m ²)	58 (40.8)	97 (29.9)
Smoking during pregnancy, n (%)		
Yes	39 (27.5)	10 (3.1)
No	103 (72.5)	314 (96.9)
Parity, n (%)		
0	68 (47.9)	94 (29.0)
1	43 (30.3)	63 (19.4)
2	20 (14.1)	62 (19.1)
3+	11 (7.7)	105 (32.4)
Physical activity levels, n (%)		
Inactive	53 (37.3)	254 (78.4)
Moderately inactive	37 (26.1)	41 (12.6)
Moderately active	37 (26.1)	21 (6.5)
Active	15 (10.6)	8 (2.5)
Highest educational qualification, n (%)		
5 GCSE equivalent or less	60 (42.2)	192 (59.3)
A-level equivalent	25 (17.6)	30 (9.3)
Higher than A-level	40 (28.2)	85 (26.2)
Other/Unknown	17 (12.0)	17 (5.2)
Family history of diabetes, n (%)		
Yes	75 (52.8)	221 (68.2)
No	67 (47.2)	103 (31.8)
Mother's employment status, n (%)		
Currently employed	105 (73.9)	65 (20.1)
Previously employed	31 (21.8)	90 (27.8)
Never employed	6 (4.2)	169 (52.2)
Gestational age at OGTT (weeks), median (IQR)	26.3 (1.1)	26.3 (1.1)
Fasting glucose concentrations at OGTT (mmol/L), median (IQR)	4.7 (0.8)	5.1 (0.9)
2h post-load glucose concentrations at OGTT (mmol/L), median (IQR)	8.3 (0.9)	8.6 (1.5)

A-level: UK highest qualification in high school; BMI: body mass index; GCSE: general certificate of secondary education; OGTT: oral glucose tolerance test
Continuous data presented as median and interquartile range (IQR).
Categorical data presented as frequencies and percentages.

Supplementary Table 2 Associations between maternal characteristics and GDM pharmaceutical treatment relative to lifestyle changes advice stratified by maternal ethnicity

	White British (N=142)		Pakistani (N=324)	
	Pharmaceutical treatment		Pharmaceutical treatment	
	<i>Adjusted OR</i> (95% CI)	<i>p</i>	<i>Adjusted OR</i> (95% CI)	<i>p</i>
Mother age at childbirth (years)	1.1 (1.0, 1.2)	0.145	1.1 (1.0, 1.2)	0.008
BMI categories at booking (kg/m²)				
Normal weight	<i>Reference</i>		<i>Reference</i>	
Underweight	1.1 (0.03, 46.8)	0.943	1.2 (0.2, 7.0)	0.798
Overweight	1.0 (0.3, 3.4)	0.954	1.2 (0.6, 2.3)	0.546
Obese	2.1 (0.6, 7.0)	0.215	4.0 (1.8, 8.8)	0.001
Parity				
0	<i>Reference</i>		<i>Reference</i>	
1	0.7 (0.2, 2.3)	0.613	0.5 (0.2, 1.2)	0.157
2	0.6 (0.1, 3.5)	0.611	0.5 (0.2, 1.2)	0.152
3+	0.09 (0.01, 0.8)	0.027	0.6 (0.2, 1.4)	0.208
Highest educational qualification				
5 GCSE equivalent or less	<i>Reference</i>		<i>Reference</i>	
A-level equivalent	0.5 (0.1, 2.1)	0.361	0.8 (0.3, 2.2)	0.678
Higher than A-level	0.7 (0.2, 2.6)	0.577	0.6 (0.3, 1.1)	0.122
Other/Unknown	0.5 (0.1, 2.6)	0.417	1.1 (0.3, 3.8)	0.925
Employment status				
Currently employed	<i>Reference</i>		<i>Reference</i>	
Previously employed	0.5 (0.1, 2.0)	0.328	1.1 (0.4, 2.6)	0.862
Never employed	0.3 (0.02, 3.7)	0.343	0.6 (0.2, 1.3)	0.190
Physical activity levels				
Active	<i>Reference</i>		<i>Reference</i>	
Moderately active	1.3 (0.3, 5.7)	0.737	0.3 (0.05, 2.3)	0.281
Moderately inactive	1.7 (0.4, 7.5)	0.502	1.1 (0.2, 6.6)	0.912
Inactive	3.1 (0.7, 13.5)	0.134	0.9 (0.1, 4.9)	0.883
Smoking during pregnancy	2.1 (0.6, 7.4)	0.247	3.5 (0.4, 33.6)	0.269
Family history of diabetes	2.5 (1.0, 6.7)	0.058	1.0 (0.5, 1.8)	>0.999
Gestational age at OGTT (weeks)	0.9 (0.7, 1.2)	0.605	0.9 (0.8, 1.0)	0.070
Fasting glucose at OGTT (mmol/L)	2.5 (0.9, 6.5)	0.066	1.7 (1.1, 2.4)	0.008
2h post-load glucose at OGTT (mmol/L)	2.3 (1.0, 5.3)	0.039	1.2 (1.0, 1.5)	0.049

BMI: body mass index; CI: confidence interval; OGTT: oral glucose tolerance test