

Appendix 2:

Sensitivity analysis with variance estimates adjusted for clustering maternity units

VARIABLE	aRR	Results from Table 2		Adjusted for clustering by maternity units	
		95% CI	p-value	95% CI	p-value
Parity					
Para 0	1.8	1.3 - 2.5	<0.01	1.3 - 2.3	<0.01
para 3+	1.6	1.0 - 2.5	0.05	1.1 - 2.3	0.03
Ethnic origin / place of birth					
African ¹	2.4	1.2 - 4.6	0.01	1.3 - 4.3	0.01
African Caribbean ¹	2.3	1.3 - 4.1	0.01	1.3 - 3.9	<0.01
Indian ¹	2.1	1.3 - 3.5	<0.01	1.4 - 3.2	<0.01
Pakistani non-UK	3.0	1.9 - 4.8	<0.01	1.7 - 5.3	<0.01
Body Mass Index					
30-34.9	1.4	1.0 - 2.0	0.07	1.0 - 2.0	0.05
35+	1.6	1.1 - 2.4	0.03	1.2 - 2.1	<0.01
Mental health history	1.4	1.0 - 1.9	0.06	1.1 - 1.8	0.02
Pre-existing diabetes	3.9	1.7 - 8.9	<0.01	2.1 - 7.3	<0.01
Antepartum haemorrhage	3.4	2.6 - 4.5	<0.01	2.5 - 4.6	<0.01
Smoking, no FGR					
Mother smoker	2.5	1.7 - 3.6	<0.01	1.4 - 4.2	<0.01
Passive smoker	1.3	0.8 - 2.0	0.28	0.9 - 1.9	0.23
Smoking, with FGR					
Mother smoker	5.7	3.6 - 8.9	<0.01	3.7 - 8.7	<0.01
Passive smoker	10.2	6.6 - 15.8	<0.01	6.6 - 15.9	<0.01
FGR - non-smoking	7.8	5.6 - 10.9	<0.01	5.7 - 10.9	<0.01

aRR: adjusted relative risk; CI: 95% confidence interval;

¹ UK and non-UK ethnic groups combined because of small numbers

FGR= fetal growth restriction (birthweight <10th GROW centile)