

Appendix 1: Proportion of cesarean and vaginal deliveries attended by regular-care and on-call obstetricians

Outcome	Obstetrician type; % of deliveries		Crude OR (95% CI)	Adjusted* OR (95% CI)	p value
	Regular care n = 21 779	On call n = 6553			
<b>Cesarean section†</b>					
All indications	11.4	11.9	1.05 (0.96-1.14)	1.13 (1.03-1.24)	< 0.01
Dystocia	7.4	7.2	0.97 (0.87-1.08)	1.10 (0.98-1.24)	0.10
Nonreassuring fetal heart tracing	1.9	3.1	1.70 (1.44-2.02)	1.73 (1.45-2.07)	< 0.001
Failed vaginal birth after cesarean section	0.6	0.8	1.22 (0.88-1.68)	1.31 (0.92-1.86)	0.14
Other	1.5	0.8	0.52 (0.38-0.69)	0.44 (0.33-0.59)	< 0.001
<b>Vaginal delivery‡</b>					
Instrumental delivery	11.3	11.0	0.97 (0.88-1.07)	0.96 (0.87-1.06)	0.40
Forceps	6.4	6.7	1.06 (0.94-1.19)	1.02 (0.90-1.15)	0.80
Vacuum	5.3	4.8	0.90 (0.79-1.03)	0.92 (0.80-1.06)	0.27
Episiotomy	42.9	38.5	0.83 (0.79-0.87)	0.77 (0.72-0.82)	< 0.001
Third- or fourth-degree tear	6.4	7.9	1.25 (1.12-1.40)	1.21 (1.07-1.36)	< 0.01

Note: OR = odds ratio, CI = confidence interval.

\*Adjusted for maternal age, parity, body mass index  $\geq 30$  kg/m<sup>2</sup>, smoking, previous cesarean section, pre-existing and gestational diabetes, pre-eclampsia, induction of labour, use of oxytocin, use of epidural analgesia, gestational age, birth weight and first or second 5 years of the study period.

†Percentage of all deliveries.

‡Percentage of vaginal deliveries only.