

## Appendix D - Effects of patient characteristics, use of care and clinical outcomes on PROMs and PREMs

	Mental health		Urinary incontinence		Anal incontinence		HC responsiveness		Continuity of care		Pain relief	
	Suboptimal score		Suboptimal score		Suboptimal score		Suboptimal score		Suboptimal score		Suboptimal score	
	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)	OR	(95% CI)
Vaginal assisted delivery	1.62	(0.70 to 3.76)	1.55	(0.83 to 2.89)	2.88	(0.13 to 6.60)	1.19	(0.63 to 2.24)	0.86	(0.41 to 1.81)	1.25	(0.59 to 2.64)
Cesarean section	1.48	(0.78 to 2.75)	0.66	(0.37 to 1.17)	0.47	(0.19 to 1.18)	1.23	(0.76 to 1.99)	1.16	(0.68 to 1.98)	0.89	(0.50 to 1.61)
Iatrogenic start of labor	0.60	(0.32 to 1.12)	1.06	(0.66 to 1.71)	1.32	(0.64 to 2.73)	1.13	(0.70 to 1.83)	1.44	(0.86 to 2.43)	1.22	(0.68 to 2.19)
Spontaneous preterm	0.84	(0.27 to 2.63)	0.57	(0.18 to 1.82)	1.22	(0.24 to 6.18)	1.39	(0.61 to 3.16)	2.28	(0.93 to 5.59)	<b>8.83 (3.88 to 20.09)***</b>	
Iatrogenic preterm	3.19	(1.39 to 7.30)	1.76	(0.80 to 3.88)	2.13	(0.60 to 7.58)	1.64	(0.83 to 3.25)	0.73	(0.30 to 1.75)	2.59	(1.19 to 5.65)
Maternal length of stay	1.16	(0.97 to 1.37)	0.90	(0.75 to 1.08)	1.12	(0.88 to 1.44)	1.07	(0.93 to 1.24)	1.01	(0.85 to 1.19)	0.95	(0.80 to 1.14)
Neonatal length of stay	1.03	(0.99 to 1.07)	0.97	(0.93 to 1.02)	0.94	(0.86 to 1.02)	1.04	(1.01 to 1.07)	1.00	(0.96 to 1.04)	1.01	(0.98 to 1.05)
Admissions	0.97	(0.56 to 1.69)	1.17	(0.72 to 1.91)	0.19	(0.03 to 1.43)	1.10	(0.70 to 1.73)	0.75	(0.42 to 1.31)	0.83	(0.47 to 1.48)
Visits	1.02	(0.98 to 1.07)	1.00	(0.97 to 1.04)	1.02	(0.96 to 1.09)	0.98	(0.95 to 1.02)	1.01	(0.97 to 1.05)	0.96	(0.92 to 1.00)
Single care center	2.05	(1.06 to 3.96)	1.15	(0.68 to 1.95)	3.29	(1.41 to 7.71)	0.98	(0.59 to 1.63)	0.79	(0.45 to 1.39)	1.06	(0.59 to 1.91)
Maternal indication	2.39	(1.25 to 4.55)	1.47	(0.88 to 2.46)	2.71	(1.24 to 5.94)	1.18	(0.71 to 1.93)	1.56	(0.91 to 2.69)	0.72	(0.39 to 1.33)
Fetal indication	1.28	(0.61 to 2.65)	0.90	(0.48 to 1.70)	0.89	(0.34 to 2.35)	1.02	(0.58 to 1.80)	1.91	(1.04 to 3.50)	1.18	(0.63 to 2.21)
Unknown indication	1.79	(0.81 to 3.97)	1.03	(0.55 to 1.93)	1.19	(0.43 to 3.34)	1.54	(0.85 to 2.81)	1.18	(0.58 to 2.40)	1.58	(0.81 to 3.09)
Age	0.96	(0.91 to 1.02)	<b>1.08 (1.03 to 1.13)**</b>	1.02	(0.95 to 1.09)	1.02	(0.98 to 1.06)	0.97	(0.92 to 1.02)	1.03	(0.98 to 1.08)	
Primipara	0.86	(0.49 to 1.51)	0.79	(0.50 to 1.26)	1.00	(0.48 to 2.06)	1.75	(1.13 to 2.71)	1.50	(0.93 to 2.40)	0.82	(0.49 to 1.36)
Non-Western	2.04	(1.17 to 3.55)	1.46	(0.92 to 2.34)	1.54	(0.75 to 3.18)	1.52	(0.97 to 2.38)	1.13	(0.68 to 1.87)	1.15	(0.67 to 1.97)
Deprived area	2.00	(0.10 to 3.88)	1.09	(0.60 to 2.00)	1.03	(0.40 to 2.67)	1.44	(0.82 to 2.53)	2.16	(1.20 to 3.90)	1.26	(0.63 to 2.51)
Limited social network	1.98	(0.94 to 4.17)	1.52	(0.78 to 2.95)	2.34	(0.94 to 5.82)	1.07	(0.55 to 2.08)	0.90	(0.41 to 1.96)	1.65	(0.79 to 3.42)

OR Odds ratio

CI Confidence interval

\* $P < 0.0056$  \*\* $P < 0.0028$  \*\*\*  $P < 0.0006$  on the basis of Bonferroni correction

## Appendix D - continued

	Health-related QoL	Birth experience	Pain with intercourse	Role confidence	Satisfaction with care
	Scoring better Coef. (95% CI)	Scoring better Coef. (95% CI)	Scoring worse OR (95% CI)	Scoring better OR (95% CI)	Scoring better OR (95% CI)
Vaginal assisted delivery	<b>-2.88 (-4.73 to -1.03)**</b>	<b>-3.06 (-4.84 to -1.27)**</b>	<b>2.20 (1.39 to 3.50)**</b>	0.57 (0.36 to 0.92)	0.64 (0.40 to 1.02)
Cesarean section	-1.38 (-2.84 to 0.07)	<b>-2.67 (-4.07 to 1.27)***</b>	0.95 (0.66 to 1.37)	1.09 (0.75 to 1.58)	0.81 (0.55 to 1.18)
Iatrogenic start of labor	0.51 (-0.84 to 1.86)	-0.10 (-1.41 to 1.20)	0.75 (0.53 to 1.06)	1.04 (0.74 to 1.48)	0.87 (0.62 to 1.23)
Spontaneous preterm	-1.69 (-4.21 to 0.82)	-0.72 (-3.15 to 1.70)	0.81 (0.43 to 1.53)	<b>0.30 (0.16 to 0.57)***</b>	0.78 (0.41 to 1.48)
Iatrogenic preterm	<b>-3.71 (-5.93 to 1.49)**</b>	-1.15 (-3.29 to 0.99)	0.93 (0.54 to 1.62)	<b>0.30 (0.16 to 0.53)***</b>	1.10 (0.62 to 1.96)
Maternal length of stay	-0.53 (-0.98 to -0.09)	-0.52 (-0.95 to -0.09)	1.06 (0.95 to 1.18)	0.87 (0.77 to 0.97)	0.92 (0.82 to 1.04)
Neonatal length of stay	<b>-0.16 (-0.26 to -0.06)**</b>	-0.11 (-0.21 to -0.01)	1.00 (0.98 to 1.03)	0.97 (0.94 to 0.99)	0.99 (0.96 to 1.02)
Admissions	0.75 (0-.66 to 2.16)	-1.15 (-2.52 to 0.21)	1.44 (1.03 to 2.00)	0.82 (0.57 to 1.19)	1.09 (0.74 to 1.59)
Visits	-0.10 (-0.20 to 0.00)	0.10 (0.00 to 0.20)	0.99 (0.96 to 1.01)	1.01 (0.98 to 1.04)	0.98 (0.96 to 1.01)
Single care center	-1.29 (-2.75 to 0.18)	-0.49 (-1.90 to 0.92)	1.12 (0.77 to 1.63)	1.18 (0.80 to 1.73)	0.86 (0.59 to 1.26)
Maternal indication	<b>-2.53 (-3.97 to -1.09)**</b>	-0.80 (-2.19 to 0.60)	1.15 (0.80 to 1.67)	0.73 (0.50 to 1.06)	0.78 (0.53 to 1.14)
Fetal indication	-0.15 (-1.81 to 1.50)	-0.06 (-1.65 to 1.53)	0.94 (0.62 to 1.42)	0.67 (0.44 to 1.03)	0.82 (0.54 to 1.26)
Unknown indication	-1.89 (-3.63 to -0.16)	-0.81 (-2.48 to 0.87)	1.19 (0.77 to 1.85)	0.60 (0.38 to 0.94)	0.87 (0.55 to 1.37)
Age	0.06 (-0.07 to 0.19)	0.01 (-0.11 to 0.14)	1.00 (0.97 to 1.03)	0.99 (0.96 to 1.03)	1.03 (0.99 to 1.06)
Primipara	-0.03 (-1.29 to 1.22)	-1.26 (-2.46 to -0.05)	1.50 (1.09 to 2.05)	<b>0.35 (0.25 to 0.49)***</b>	0.88 (0.64 to 1.22)
Non-Western	-1.13 (-2.50 to 0.23)	-0.88 (-2.19 to 0.43)	1.36 (0.96 to 1.92)	0.91 (0.64 to 1.30)	0.93 (0.65 to 1.32)
Deprived area	-1.03 (-2.77 to 0.71)	<b>-3.17 (-4.85 to -1.49)***</b>	1.54 (0.99 to 2.39)	1.27 (0.80 to 2.01)	0.53 (0.33 to 0.83)
Limited social network	-2.61 (-4.66 to -0.57)	-2.56 (-4.53 to -0.59)	<b>2.13 (1.28 to 3.57)*</b>	0.61 (0.36 to 1.04)	0.48 (0.28 to 0.81)

OR Odds ratio

CI Confidence interval

Coef. Coefficient

\* $P < 0.0056$  \*\* $P < 0.0028$  \*\*\*  $P < 0.0006$  on the basis of Bonferroni correction