

## Supplementary Appendix

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to: Smith GCS, Celik E, To M, Khouri O, Nicolaides KH. Cervical length at mid-pregnancy and the risk of primary cesarean delivery. *N Engl J Med* 2008;358:1346-53.

**Web Table. Unadjusted and adjusted odds ratios for cesarean delivery for dystocia in relation to maternal and outcome characteristics.**

Variable	Unadjusted analysis		Analysis adjusted for characteristics of mother and infant	
	Odds ratio (95% CI)	P Value	Odds ratio* (95% CI)	P Value
Quartile of cervical length				
1 (referent)	1.0		1.0	
2	1.21 (1.11-1.33)	<0.001	1.17 (1.06-1.29)	0.001
3	1.55 (1.41-1.71)	<0.001	1.48 (1.34-1.64)	<0.001
4	2.07 (1.89-2.27)	<0.001	1.82 (1.65-2.01)	<0.001
Age				
<20	0.42 (0.36-0.48)	<0.001	0.49 (0.42-0.57)	<0.001
20-24.9	0.65 (0.59-0.72)	<0.001	0.70 (0.63-0.77)	<0.001
25-29.9 (referent)	1.0		1.0	
30-34.9	1.14 (1.05-1.24)	0.001	1.17 (1.07-1.27)	<0.001
35-39.9	1.47 (1.33-1.63)	<0.001	1.48 (1.33-1.65)	<0.001
≥ 40	1.36 (1.06-1.74)	0.02	1.23 (0.95-1.61)	<0.12
Body mass index				
<20	0.66 (0.58-0.76)	<0.001	0.80 (0.70-0.92)	0.001
20-24.9 (referent)	1.0		1.0	
25-29.9	1.57 (1.46-1.69)	<0.001	1.38 (1.28-1.49)	<0.001
30-34.9	2.03 (1.82-2.25)	<0.001	1.66 (1.48-1.86)	<0.001
≥ 35	2.52 (2.19-2.90)	<0.001	1.96 (1.69-2.28)	<0.001
Smoking status				
Non-smoker (referent)	1.0		1.0	
Smoker	0.76 (0.68-0.84)	<0.001	1.07 (0.95-1.20)	0.25
Ethnicity				
White (referent)	1.0		1.0	
Black	1.15 (1.06-1.24)	<0.001	1.59 (1.45-1.75)	<0.001
Other	0.85 (0.75-0.95)	0.005	1.31 (1.15-1.49)	<0.001
Week of delivery				
37	1.09 (0.93-1.27)	0.28	0.91 (0.77-1.07)	0.25
38	0.92 (0.82-1.03)	0.16	0.84 (0.74-0.95)	0.004
39	0.77 (0.70-0.85)	<0.001	0.75 (0.67-0.83)	<0.001
40 (referent)	1.0		1.0	
41	1.45 (1.33-1.58)	<0.001	1.21 (1.11-1.32)	<0.001
≥ 42	2.38 (2.12-2.68)	<0.001	1.47 (1.29-1.69)	<0.001
Onset of labor				
Spontaneous (referent)	1.0		1.0	
Induced	2.91 (2.71-3.12)	<0.001	2.38 (2.20-2.59)	<0.001
Birth weight percentile				
1-3	1.00 (0.83-1.21)	0.98	0.98 (0.80-1.20)	0.83
4-10	0.81 (0.71-0.93)	0.003	0.81 (0.70-0.94)	0.006
11-20	0.78 (0.69-0.88)	<0.001	0.80 (0.71-0.91)	0.001
21-80 (referent)	1.0		1.0	
81-90	1.48 (1.34-1.64)	<0.001	1.41 (1.27-1.57)	<0.001
91-97	1.99 (1.78-2.23)	<0.001	1.93 (1.72-2.17)	<0.001
98-100	3.34 (2.88-3.87)	<0.001	2.96 (2.52-3.47)	<0.001

\*Adjusted for maternal age, body mass index, smoking status, ethnicity, gestational age at birth, induced labor, birth weight percentile and hospital of delivery.  
CI denotes confidence interval.