



Appendix 5

This appendix was part of the submitted manuscript and has been peer reviewed. It is posted as supplied by the authors.

Appendix to: Hodyl NA, Grzeskowiak LE, Stark MJ, et al. The impact of Aboriginal status, cigarette smoking and smoking cessation on perinatal outcomes in South Australia. *Med J Aust* 2014; 201: 274-278. doi: 10.5694/mja13.11142.

Appendix 5: Odds ratios and adjusted odds ratios for neonatal conditions according to Aboriginal status and smoking in pregnancy, using non-smokers in the matched Aboriginal or non-indigenous population as the reference group. Significant effects are indicated by asterisks *** $p \leq 0.001$.

		Non-smoker	Quit Smoking		Smoke 1-10 cigarettes/day		Smoke 11+ cigarettes/day	
			OR	aOR (95% CI)	OR	aOR (95% CI)	OR	aOR (95% CI)
Very preterm birth (<32 weeks) ¹	Aboriginal	Reference	1.22	1.30 (0.65-2.60)	1.23	1.27 (0.89-1.80)	1.44	1.44 (0.96-2.16)
	Non-indigenous	Reference	0.95	0.89 (0.73-1.07)	1.64***	1.53 (1.37-1.73)***	1.93***	1.77 (1.54-2.04)***
Preterm birth (<37 weeks) ¹	Aboriginal	Reference	1.23	1.31 (0.87-1.99)	1.43***	1.40 (1.14-1.73)***	1.65***	1.51 (1.19-1.93)***
	Non-indigenous	Reference	0.97	0.93 (0.85-1.02)	1.50***	1.48 (1.39-1.57)***	1.92***	1.87 (1.75-2.01)***
IUGR (<3 rd centile) ²	Aboriginal	Reference	1.26	1.33 (0.74-2.39)	2.29***	2.33 (1.77-3.08)***	2.94***	2.81 (2.08-3.80)***
	Non-indigenous	Reference	1.12	1.12 (0.99-1.26)	2.68***	2.65 (2.48-2.83)***	3.42***	3.27 (3.03-3.53)***
SGA (<10 th centile) ²	Aboriginal	Reference	1.19	1.28 (0.86-1.90)	2.44***	2.49 (2.06-3.00)***	2.63***	2.50 (2.03-3.09)***
	Non-indigenous	Reference	1.06	1.06 (0.98-1.14)	2.34***	2.29 (2.20-2.40)***	3.03***	2.87 (2.73-3.02)***
Neonatal Intensive Care ³	Aboriginal	Reference	0.97	1.17 (0.59-2.34)	1.05	1.19 (0.84-1.68)	1.20	1.27 (0.85-1.89)
	Non-indigenous	Reference	0.89	0.85 (0.72-1.01)	1.35	1.35 (1.23-1.52)***	1.57***	1.60 (1.41-1.82)***
Resuscitation ³	Aboriginal	Reference	0.93	0.94 (0.65-1.47)	0.90	0.98 (0.79-1.23)	0.92	0.99 (0.75-1.29)
	Non-indigenous	Reference	1.13***	1.02 (0.95-1.10)	1.23***	1.16 (1.10-1.22)***	1.34***	1.26 (1.18-1.35)***
Oxygen (>4 hours) ³	Aboriginal	Reference	0.89	1.03 (0.62-1.72)	0.97	1.07 (0.83-1.37)	1.04	1.09 (0.82-1.47)
	Non-indigenous	Reference	1.02	0.99 (0.90-1.09)	1.17***	1.21 (1.13-1.30)***	1.38***	1.45 (1.34-1.58)***
Stillbirth ¹	Aboriginal	Reference	0.85	0.61 (0.14-2.63)	0.93	0.92 (0.51-1.65)	0.91	0.87 (0.43-1.76)
	Non-indigenous	Reference	0.98	0.97 (0.73-1.31)	1.43	1.42 (1.17-1.72)***	1.50***	1.48 (1.16-1.88)***
Neonatal Death (<28 days) ⁴	Aboriginal	Reference	0.92	0.93 (0.11-7.56)	1.24	1.19 (0.45-3.16)	1.23	1.37 (0.44-4.29)
	Non-indigenous	Reference	0.78	0.79 (0.47-1.33)	0.97	0.96 (0.67-1.36)	1.28	1.22 (0.82-1.82)
Congenital Abnormalities ¹	Aboriginal	Reference	0.94	1.02 (0.42-2.44)	0.98	1.04 (0.67-1.61)	1.31	1.40 (0.86-2.28)
	Non-indigenous	Reference	0.91	0.89 (0.77-1.03)	1.03	1.02 (0.92-1.13)	1.07	1.04 (0.91-1.19)

Odds ratios adjusted for:

¹ maternal age, parity, SEIFA, year of birth, pre-existing hypertension, pre-existing diabetes, asthma;

² maternal age, SEIFA, year of birth, pre-existing hypertension, pre-existing diabetes, asthma;

³ maternal age, parity, SEIFA, year of birth, pre-existing hypertension, pre-existing diabetes, asthma, method of delivery, hypertensive disorders of pregnancy;

⁴ maternal age, parity, SEIFA, year of birth, pre-existing hypertension, pre-existing diabetes, asthma, hypertensive disorders of pregnancy.