

Appendix 1 (as supplied by the authors): Logistic regression analysis of maternal receipt of season influenza and neonatal outcomes among singleton, live born infants

Preterm birth (<37 weeks)

Covariate	Referent Category	Unadjusted OR (95%CI)	Adjusted OR (95% CI)
Vaccine receipt	No vaccine	0.75 (0.60-0.93)	0.75 (0.60-0.94)
Maternal age	Continuous- 1 year change		1.02 (1.00-1.04)
Maternal smoking	Non-smoker		1.54 (1.28-1.85)
Single marital status	Married/common-law		1.29 (1.07-1.55)
Rural residence	Urban residence		1.02 (0.87-1.21)
Multiparous	Nulliparous		0.88 (0.75-1.04)
High risk status	Non- high risk		1.48 (1.25-1.76)

Low birth weight (<2500 grams)

Covariate	Referent Category	Unadjusted OR (95%CI)	Adjusted OR (95% CI)
Vaccine receipt	No vaccine	0.71 (0.54-0.92)	0.73 (0.56-0.95)
Maternal age	Continuous- 1 year change		1.02 (1.00-1.04)
Maternal smoking	Non-smoker		2.59 (2.12-3.16)
Single marital status	Married/common-law		1.16 (0.94-1.44)
Rural residence	Urban residence		1.13 (0.93-1.36)
Multiparous	Nulliparous		0.65 (0.54-0.79)
High risk status	Non- high risk		1.13 (0.92-1.38)

Term low birth weight (> 37 weeks and <2500 grams)

Covariate	Referent Category	Unadjusted OR (95%CI)	Adjusted OR (95% CI)
Vaccine receipt	No vaccine	0.82 (0.54-1.25)	0.85 (0.56-1.29)
Maternal age	Continuous- 1 year change		1.03 (1.00-1.06)
Maternal smoking	Non-smoker		3.15 (2.27-4.37)
Single marital status	Married/common-law		0.99 (0.69-1.40)
Rural residence	Urban residence		1.32 (0.99-1.79)
Multiparous	Nulliparous		0.53 (0.39-0.72)
High risk status	Non- high risk		0.93 (0.66-1.33)

Small for gestational age (> 10th percentile)

Covariate	Referent Category	Unadjusted OR (95%CI)	Adjusted OR (95% CI)
Vaccine receipt	No vaccine	0.93 (0.77-1.12)	0.96 (0.79-1.16)
Maternal age	Continuous- 1 year change		1.01 (1.00-1.02)
Maternal smoking	Non-smoker		2.46 (2.10-2.89)
Single marital status	Married/common-law		1.25 (1.06-1.48)
Rural residence	Urban residence		1.09 (0.94-1.27)
Multiparous	Nulliparous		0.54 (0.46-0.62)
High risk status	Non- high risk		0.95 (0.81-1.13)

Composite neonatal morbidity variable*

Covariate	Referent Category	Unadjusted OR (95%CI)	Adjusted OR (95% CI)
Vaccine receipt	No vaccine	1.10 (0.88-1.38)	1.06 (0.85-1.34)
Maternal age	Continuous- 1 year change		1.01 (0.99-1.03)
Maternal smoking	Non-smoker		1.15 (0.92-1.44)
Single marital status	Married/common-law		1.07 (0.86-1.32)
Rural residence	Urban residence		1.27 (1.06-1.54)
Multiparous	Nulliparous		0.53 (0.44-0.64)
High risk status	Non- high risk		1.40 (1.15-1.70)

*Includes neonatal death, asphyxia, sepsis, low Apgar score at 5 minutes, moderate or severe RDS, IVH, acute necrotizing enterocolitis.