

Appendix 5: Adverse neonatal and obstetric outcomes among 328 387 singleton live births to immigrant women according to the method used to classify infants as large for gestational age (LGA) (≥ 90th percentile)

Green = infants classified as LGA according to the birth-weight curve for newborns of Canadian-born women but not according to the birth-weight curve for newborns of women from their respective world region of origin

Blue = infants classified as LGA on both curves

Black = infants classified as not LGA on either curve

Outcome	Not LGA on either curve (n = 296 421) No. events (rate per 1000)	LGA on world region curve only (n = 14 282) No. events (rate per 1000)	LGA on both curves (n = 17 684) No. events (rate per 1000)	LGA on world region curve only v. not LGA on either curve		LGA on both curves v. not LGA on either curve	
				Crude odds ratio (95% CI)	Adjusted odds ratio (95% CI)*	Crude odds ratio (95% CI)	Adjusted odds ratio (95% CI)*
Neonatal							
Neonatal death < 28 days**	521 (1.8)	10 (0.7)	26 (1.5)	0.40 (0.21 to 0.75)	0.41 (0.22 to 0.77)	0.84 (0.56 to 1.24)	0.83 (0.56 to 1.24)
Newborn hospital length of stay ≥ 7 days	9987 (33.7)	268 (18.8)	626 (35.4)	0.55 (0.49 to 0.62)	0.55 (0.49 to 0.62)	1.05 (0.97 to 1.14)	1.09 (1.01 to 1.19)
NICU admission	37 479 (126.4)	1909 (133.7)	3354 (189.7)	1.07 (1.02 to 1.12)	1.06 (1.01 to 1.11)	1.62 (1.56 to 1.68)	1.77 (1.70 to 1.84)
Mechanical ventilation	6460 (21.8)	263 (18.4)	528 (29.9)	0.84 (0.74 to 0.95)	0.92 (0.81 to 1.05)	1.38 (1.26 to 1.51)	1.38 (1.26 to 1.51)
Birth trauma	3427 (11.6)	241 (16.9)	462 (26.1)	1.47 (1.29 to 1.68)	1.55 (1.36 to 1.77)	2.29 (2.08 to 2.53)	2.59 (2.34 to 2.86)
Obstetric							
Third- or fourth-degree perineal laceration	8928 (30.1)	644 (45.1)	776 (43.9)	1.52 (1.40 to 1.65)	1.63 (1.50 to 1.78)	1.48 (1.37 to 1.59)	1.93 (1.79 to 2.09)
Obstructed labour due to shoulder dystocia	3325 (11.2)	711 (49.8)	1601 (90.5)	4.61 (4.25 to 5.02)	4.71 (4.33 to 5.13)	8.78 (8.25 to 9.33)	8.38 (7.87 to 8.92)
Postpartum hemorrhage	8133 (27.5)	565 (39.6)	854 (48.3)	1.46 (1.34 to 1.59)	1.53 (1.40 to 1.67)	1.80 (1.67 to 1.93)	1.84 (1.71 to 1.98)

Note: CI = confidence interval, NICU = neonatal intensive care unit.

*Adjusted for maternal age, parity, year of delivery, maternal education, marital status, refugee status, knowledge of Canadian languages, duration of residence in Canada, world region of origin and neighborhood income quintiles.

**Neonatal deaths were not separated for preterm and term infants because of very low event rates and counts fewer than 5.