Appendix 3: Adverse neonatal outcomes among 328 387 singleton live births to immigrant women according to the method used to classify infants as small for gestational age (SGA) (< 10th percentile)

Green = infants classified as SGA 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 SGA on both curves

Black = infants classified as not SGA on either curve

Outcome	Not SGA on either curve (n = 274 176)	SGA on Canadian curve only (n = 20 431)	SGA on both curves (n = 33 780)	SGA on Canadian curve only v. not SGA on either curve		SGA on both curves v. not SGA on either curve	
	No. events (rate per 1000)	No. events (rate per 1000)	No. events (rate per 1000)	Crude odds ratio (95% CI)	Adjusted odds ratio (95% CI)*	Crude odds ratio (95% CI)	Adjusted odds ratio (95% CI)*
Neonatal death							
All infants	191 (0.7)	23 (1.1)	343 (10.2)	1.62 (1.05 to 2.49)	1.60 (1.04 to 2.48)	14.72 (12.32 to 17.57)	14.74 (12.32 to 17.64)
Preterm infants born at 23–36 weeks	72 (4.9)	8 (8.9)	278 (77.8)	1.81 (0.87 to 3.77)	1.85 (0.89 to 3.86)	17.07 (13.13 to 22.18)	17.14 (13.16 to 22.32)
Term infants born at 37–41 weeks	119 (0.5)	15 (0.8)	65 (2.2)	1.68 (0.98 to 2.87)	1.56 (0.90 to 2.69)	4.70 (3.47 to 6.36)	4.60 (3.39 to 6.26)
Newborn hospital length of stay ≥ 7 days	6959 (25.4)	683 (33.4)	3239 (95.9)	1.26 (1.17 to 1.35)	1.22 (1.12 to 1.32)	3.71 (3.57 to 3.86)	3.89 (3.72 to 4.06)
Admission to NICU	31 868 (116.2)	2758 (135.0)	8116 (240.3)	1.19 (1.14 to 1.24)	0.99 (0.95 to 1.04)	2.41 (2.34 to 2.47)	2.27 (2.21 to 2.34)
Mechanical ventilation	4907 (17.9)	307 (15.0)	2037 (60.3)	0.84 (0.75 to 0.94)	0.88 (0.78 to 0.98)	3.52 (3.34 to 3.71)	3.37 (3.20 to 3.56)
Intrauterine hypoxia or birth asphyxia	1338 (4.9)	101 (4.9)	293 (8.7)	1.01 (0.83 to 1.24)	0.94 (0.76 to 1.15)	1.78 (1.57 to 2.03)	1.61 (1.42 to 1.84)

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 quintile.