

Appendix 2 (as supplied by the authors): Definitions of the outcome measures and codes used within the administrative health databases

Outcome	Method used to identify the outcome, including use of International Statistical Classification of Diseases and Related Health Problems, 10th Revision, Canadian Edition (ICD-10-CA) codes, Canadian Classification of Health Interventions (CCI) codes and/or Canadian Institute for Health Information (CIHI) diagnostic codes
Infant	
Neonatal death	Death < 28 days after birth
Prolonged newborn hospital stay	Length of stay (LOS) in the index birth hospitalization ≥ 7 days, excluding readmissions
Neonatal admission to the intensive care unit	Special CIHI variable: special care unit (SCU = 50) from April 1, 2002 to March 31, 2008 Special Care Unit (SCU = 50–53) from April 1, 2008 to March 31, 2012
Assisted mechanical ventilation	CCI codes: 1GZ31CAEP, 1GZ31CAND, 1GZ31CAPK, 1GZ31CRND, 1GZ31GPND, 1GZ31JAGX, 1GZ31JAMD, 1GZ31JANC, 1GZ31JAPK
Intrauterine hypoxia or birth asphyxia	ICD-10-CA codes: P20, P21
Birth trauma	ICD-10-CA codes: P10-P15
Obstetric	
Third- or fourth-degree perineal laceration	ICD-10-CA codes: O702, O703
Obstructed labour due to shoulder dystocia	ICD-10-CA code: O660
Postpartum hemorrhage	ICD-10-CA codes: O720, O721, O722