Variable	Included in the multipredictor model?	Source	Components																														
Birth Year	Y	DAD																															
Antenatal parity one or more	Y	Meditech (Montfort electronic chart)																															
Hypertension or preeclampsia	Y	DAD	*Main Diagnosis*	Pre-existing essential hypertension complicating pregnancy, childbirth and the puerperium, delivered, with or without mention of antepartum condition	Unspecified pre-existing hypertension complicating pregnancy, childbirth and the puerperium, delivered, with or without mention of antepartum condition	Pre-eclampsia superimposed on chronic hypertension, delivered, with or without mention of antepartum condition	Gestational [pregnancy-induced] hypertension, delivered, with or without mention of antepartum condition	Mild to moderate pre-eclampsia, delivered, with or without mention of antepartum condition	Severe pre-eclampsia, delivered, with or without mention of antepartum condition	HELLP syndrome, delivered, with or without mention of antepartum condition	Pre-eclampsia, unspecified, delivered, with or without mention of antepartum condition	Pre-eclampsia, unspecified, delivered, with mention of postpartum complication	Eclampsia in pregnancy, delivered, with or without mention of antepartum condition	Unspecified maternal hypertension, delivered, with or without mention of antepartum condition	*Secondary diagnosis*	Pre-existing essential hypertension complicating pregnancy, childbirth and the puerperium, delivered, with mention of postpartum complication	Pre-eclampsia superimposed on chronic hypertension, delivered, with mention of postpartum complication	Gestational [pregnancy-induced] hypertension, delivered, with or without mention of antepartum condition	Gestational [pregnancy-induced] hypertension, delivered, with mention of postpartum complication	Severe pre-eclampsia, delivered, with mention of postpartum complication	HELLP syndrome, delivered, with mention of postpartum complication	Pre-eclampsia, unspecified, delivered, with mention of postpartum complication	Eclampsia in the puerperium, delivered, with mention of postpartum complication	Unspecified maternal hypertension, delivered, with or without mention of antepartum condition	Unspecified maternal hypertension, delivered, with mention of postpartum complication									
Obesity	Y	DAD	Other obesity	Obesity, unspecified																													
Maternal smoking	Y	Meditech (Montfort electronic chart)	any (based on nurse interview: at 1st prenatal visit or at admission-triage)																														
Social issues or perinatal inpatient drug screening	Y	Meditech (Montfort electronic chart)																															
Marital status divorced/single/widowed (vs married or common law)	Y	DAD																															
Pyrexia (maternal)	Y	DAD																															
Induced	Y	DAD	Induction of labour using artifical rupture of membranes	Induction of labour using oral administration of oxytocic agent	Induction of labour using per orifice (intra vaginal) administration of antacids [e.g. misoprostol]	Induction of labour using per orifice (intra cervical/vaginal) administration of oxytocic agent	Induction of labour using percutaneous injection of oxytocic agent	Induction of labour using administration of oxytocic agent, route NEC																										
Mode of birth	Y	DAD																															
Brief postnatal CPAP	Y	DAD	Ventilation, respiratory system NEC non-invasive approach and positive pressure ventilation (e.g. CPAP, BiPAP, IPPV) (Code: 1GZ33CBND)	Ventilation, respiratory system NEC non-invasive approach manual hand assisted (e.g. ambu bag)																													
Newborn cardiorespiratory issue*	Y	DAD	Pericardial effusion (noninflammatory)	Endocardial fibroelastosis	Congenital malformation of aortic and mitral valves, unspecified	Respiratory distress syndrome of newborn	Transient tachypnoea of newborn	Other respiratory distress of newborn	Respiratory distress of newborn, unspecified	Pneumothorax originating in the perinatal period	Pneumomediastinum originating in the perinatal period	Respiratory failure of newborn	Other specified respiratory conditions of newborn	Respiratory condition of newborn, unspecified	Neonatal cardiac failure	Other neonatal cardiac dysrhythmia	Ventricular septal defect	Other specified congenital malformations of heart	Congenital malformation of heart, unspecified													
Laceration	Y	DAD	First degree perineal laceration during delivery, delivered, with or without mention of antepartum condition (variable level = 1)	Second degree perineal laceration during delivery, delivered, with or without mention of antepartum condition (variablelevel =2)	Third degree perineal laceration during delivery, delivered, with or without mention of antepartum condition (variable level = 3)	Fourth degree perineal laceration during delivery, delivered, with or without mention of antepartum condition (variable level = 4)	Perineal laceration during delivery, unspecified, delivered, with or without mention of antepartum condition (variable level unspecified)																									
Postpartum hemorrhage or anemia	Y	DAD	Placenta praevia with haemorrhage, delivered, with or without mention of antepartum condition	Other antepartum haemorrhage, delivered, with or without mention of antepartum condition	Antepartum haemorrhage, unspecified, delivered, with or without mention of antepartum condition	Intrapartum haemorrhage, unspecified, delivered, with or without mention of antepartum condition	Third-stage haemorrhage, delivered, with mention of postpartum complication	Other immediate postpartum haemorrhage, delivered, with mention of postpartum complication	Delayed and secondary postpartum haemorrhage, delivered, with mention of postpartum complication	Anaemia complicating pregnancy, childbirth and the puerperium, delivered, with or without mention of antepartum condition	Anaemia complicating pregnancy, childbirth and the puerperium, delivered, with mention of postpartum complication				Other intrapartum haemorrhage, delivered, with or without mention of antepartum condition	Intrapartum haemorrhage, unspecified, delivered, with or without mention of antepartum condition	Third-stage haemorrhage, delivered, with mention of postpartum complication	Other immediate postpartum haemorrhage, delivered, with mention of postpartum complication	Delayed and secondary postpartum haemorrhage, delivered, with mention of postpartum complication	Haemorrhage and haematoma complicating a procedure, not elsewhere classified	Interventions to uterus (following delivery or abortion), compression using intrauterine balloon									
Maternal obstetrical complication	Y	DAD	Other obstetric injury to pelvic organs, delivered, with or without mention of antepartum condition	Retained placenta without haemorrhage, delivered, with mention of postpartum complication	Retained portions of placenta and membranes, without haemorrhage, delivered, with mention of postpartum complication	Dehiscence (without extension) of old uterine scar before onset of labour, delivered, with or without mention of antepartum condition	Dehiscence of old uterine scar with extension before onset of labour, delivered, with or without mention of antepartum condition	Dehiscence (without extension) of old uterine scar during labour, delivered, with or without mention of antepartum condition	Dehiscence of uterus with extension during labour, delivered, with or without mention of antepartum condition	Other rupture of uterus during labour, delivered, with or without mention of antepartum condition	Repair, bladder using open approach and simple apposition	Interventions to uterus (following delivery or abortion), manual removal of placenta from uterus (e.g. Brandt Andrews maneuver)	Excision partial, uterus and surrounding structures open approach using device NEC	Excision total, uterus and surrounding structures using open approach	Interventions to uterus (following delivery or abortion), dilation and curettage	Interventions to uterus (following delivery or abortion), aspiration and curettage	Interventions to uterus (following delivery or abortion), dilation and evacuation [D&E]															
Immunization_NB	N	Meditech (Montfort electronic chart)																															
Isommunication_NB	N	DAD																															
Injury_NB	N	DAD	Erb's paralysis due to birth injury	Klumpke's paralysis due to birth injury	Other brachial plexus birth injuries	Birth injuries to other parts of peripheral nervous system	Sternomastoid injury due to birth injury	Birth injury to eye	Unspecified injury of head	Other and unspecified injury of brachial plexus																							
Jaundice_NB	N	DAD	Neonatal jaundice due to other specified excessive haemolysis	Neonatal jaundice associated with preterm delivery	Neonatal jaundice from breast milk inhibitor	Neonatal jaundice from other specified causes	Neonatal jaundice, unspecified	Therapy, skin NEC using ultraviolet light (code: 1YZ12ADQ)																									
Malformation_NB	N	DAD	Maxillary and mandibular microgenia	Other specified anomalies (or asymmetry) of jaw-cranial base relationship	Anomaly of jaw-cranial base relationship, unspecified																												
Mouth_anomaly_NB	N	DAD	Maxillary and mandibular microgenia	Other specified anomalies (or asymmetry) of jaw-cranial base relationship	Anomaly of jaw-cranial base relationship, unspecified																												
Neuromuscular_NB	N	DAD	Congenital hypertonia	Congenital hypotonia	Other disorders of muscle tone of newborn	Disorder of muscle tone of newborn, unsoecified																											
Observation_NB	N	DAD																															
Obstruction_NB	N	DAD	Meconium plug syndrome	Other specified intestinal obstruction of newborn	Intestinal obstruction of newborn, unspecified																												
Penis_NB	N	DAD	Hypospadias, balanic	Hypospadias, penile	Other hypospadias	Hypospadias, unspecified	Congenital malformation of male genital organ, unspecified	Epispadias																									
Frenulotomy_NB	N	Meditech (Montfort electronic chart)																															
Interv_other_NB	N	Meditech (Montfort electronic chart)																															
Hep8_andor_vaccine	N	Meditech (Montfort electronic chart)	HEPATITIS B VACCINE - PED - 5 MCG/0.5 ML VIAL	INTRAMUSCULAR	HEPATITIS B VACCINE - PEDIATRIC - 10 MCG/0.5 ML VIAL	INTRAMUSCULAR	HEPATITIS B VACCINE - PEDICATRIC 10 MCG/0.5 ML VIAL	INTRAMUSCULAR	HEPATITIS B VACCINE -PED-5 MCG/0.5 ML VIAL	INTRAMUSCULAR	HEPATITIS B VACCINE, PEDIATRIC 0.5 ML VIAL (ENGERIX-B)	INTRAMUSCULAR		*to the right, Nov1_Neonate_codrs_and_interventions*	Immunization (to prevent) immune disorder NEC by intramuscular (IM) injection of (passive) immunoglobulin	BZZ70HABW		Immunization (to prevent) hepatitis type B by intramuscular (IM) injection of (passive) immunoglobulin	BHE70HABWB		Immunization (to prevent) immune disorder NEC by intramuscular (IM) injection of (passive) immunoglobulin	BZZ70HABW		Chronic viral hepatitis B without delta-agent								
Breech	N	DAD																															
Diabetic_Mother_gestational	N	DAD																															
Alcohol_pregn	N	Meditech (Montfort electronic chart)																															
Mental_Healthgrp	N	DAD	Mental disorders and diseases of the nervous system complicating pregnancy, childbirth and the puerperium, delivered, with or without mention of antepartum condition	Mental disorders and diseases of the nervous system complicating pregnancy, childbirth and the puerperium, delivered, with mention of postpartum complication	Mild mental and behavioural disorders associated with the puerperium, not elsewhere classified	Personal history of alcohol abuse	Personal history of other mental and behavioural disorders	Personal history of self-harm	Mental and behavioural disorders due to use of opioids, harmful use	Mental and behavioural disorders due to use of opioids, dependence syndrome	Mental and behavioural disorders due to use of cannabinoids, harmful use	Mental and behavioural disorders due to use of cannabinoids, unspecified mental and behavioural disorder	Mental and behavioural disorders due to use of sedatives or hypnotics, harmful use	Mental and behavioural disorders due to use of cocaine, harmful use	Schizophrenia, unspecified	Mania without psychotic symptoms	Bipolar affective disorder, unspecified	Depressive episode, unspecified	Recurrent depressive disorder, current episode moderate	Social phobias	Panic disorder [episodic paroxysmal anxiety]	Generalized anxiety disorder	Mixed anxiety and depressive disorder	Anxiety disorder, unspecified	Obsessive-compulsive disorder, unspecified	Post-traumatic stress disorder	Adjustment disorders	Reaction to severe stress, unspecified	Dissociative amnesia	Anorexia nervosa	Bulimia nervosa	Mild mental and behavioural disorders associated with the puerperium, not elsewhere classified	Emotionally unstable personality disorder
**However, a sick baby or even a baby with abnormal vital signs would be admitted to NICU, transferred to a tertiary-care hospital, and/or treated with an IV, which would exclude them from this study. Therefore, the cardiorespiratory problems that would be included in this study should be mild, such as a essentially subclinical small pneumothorax.																																	
**For a more detailed list of diagnoses considered, see supplemental records 1, 2, and 3																																	

Appendix 1, as supplied by the authors. Appendix to: Saginur M, Abdulnour J, Guérin E, et al. Association between newborn hypoglycemia screening and breastfeeding success in an Ottawa, Ontario, hospital: a retrospective cohort study. CMAJ Open 2023. doi: 10.9778/cmajo.20210324. Copyright © 2023 The Author(s) or their employer(s). To receive this resource in an accessible format, please contact us at cmajgroup@cmaj.ca.