

September 4, 2024

Below is a list of new data elements being added to the BORN Ontario Information System to collect RSV protection program information as of November 2024.

This information will be able to be collected from existing antenatal, labour/delivery, postpartum, and NICU BIS encounters by birth hospitals, birthing centres, and midwifery practice groups using all 3 modes of data collection used today (manual entry, Upload (data flat files), or direct HL7 v2 ORU messages from the EMR.)

Data Element and Pick List	Rules and Notes
Adult Data:	*See legend at end for acronyms
Prenatal RSV vaccine administered? Options: Y, N, U (yes, no, unknown)	In AG, MPG, and LBM encounters, Pregnancy tab. <i>Optional value</i>
Prenatal RSV product: 'Abrysvo'	This will be prepopulated to "Abrysvo" in the BIS manual user interface. The Drug Identification Number (DIN) for Abrysvo will be used as the pick list value code: 02544040 "Other, specify" and "unknown" will be available as options, beyond the Abrysvo default. <i>BORN will continue to monitor for any changes in available products and add DINs as appropriate.</i>
Prenatal RSV product: Other, specify	In AG, MPG, and LBM encounters, Pregnancy tab. Only visible if prenatal RSV product = "Other, specify". <i>Optional</i>
Date of prenatal RSV administration	In AG, MPG, and LBM encounters, Pregnancy tab. Only visible if prenatal RSV vaccine administered = "yes". <i>Optional</i>
Date of prenatal RSV administration unknown	Checkbox, <i>Optional</i>

Infant Data:	*See legend at end for acronyms
Infant RSV mAb administered? Options: Y, N, U (yes, no, unknown)	In PPC and NICU encounters. Mandatory for encounters with DOB after November 2024 (Exact date, TBD).
Date of RSV mAb administration	In PPC and NICU encounters. Mandatory only for encounters with DOB after November 2024 (Exact date, TBD) and only if RSV mAb administered = yes.
Date of infant RSV mAb administration unknown	In PPC and NICU encounters. Checkbox <i>Optional</i>
Infant RSV mAb product: 'Beyfortus', 'Other', 'Unknown'	PPC and NICU encounters. Prepopulates to "Beyfortus" in the BIS manual user interface. The Drug Identification Numbers (DIN) for Beyfortus will be available as the pick list value code for Upload and ORU 02537206 (50 mg); and 02537214 (100 mg) Includes "Other" and "Unknown" as drop downs but still default to Beyfortus. <i>BORN will continue to monitor for any changes in available products and add DINs as appropriate</i>

Infant Data:	*See legend at end for acronyms
<p>Reason RSV mAb (Nirsevimab/Beyfortus) not given</p> <ul style="list-style-type: none"> • Infant born out of season • Parents/guardian declined • Received prenatal RSV vaccine >2 weeks before birth and infant NOT high-risk • No supply available • Not offered before discharge from care/missed opportunity • Midwives not authorized to administer • Confirmed RSV infection • Other, specify _____ • Unknown 	<p>PPC and NICU encounters.</p> <p>Only visible if infant RSV mAb administered = N.</p>
<p>Is infant high-risk for RSV (requiring second season dose)?</p> <ul style="list-style-type: none"> • No • Yes – Suspected or Confirmed Down Syndrome/Trisomy 21 • Yes - Chronic lung disease of prematurity (CLD), including bronchopulmonary dysplasia/chronic lung disease • Yes - Hemodynamically significant congenital heart disease (CHD) and/or moderate to severe pulmonary hypertension • Yes - Cystic Fibrosis with respiratory involvement and/or growth delay • Yes - Severe immunodeficiency • Yes - Neuromuscular disease impairing clearing of respiratory secretions • Yes - Severe congenital airway anomalies impairing the clearing of respiratory secretions • Yes - Other Reason for second/subsequent dose, (immune status, risk of aspiration, hypotonic, etc.) specify _____ • Unknown 	<p>PPC and NICU encounters.</p> <p><i>Optional.</i></p> <p>We recognize that most of these values are not reasonably diagnosed in the early newborn phase, but aligned pick list values with all eligible high-risk criteria from Ministry of Health guidance on Beyfortus.</p>

Legend

- Antenatal General (AG) encounter
- Labour-Birth-Mother (LBM) encounter
- Post-partum Child (PPC) encounter
- Neonatal Intensive Care Unit (NICU) encounter