



Summer 2015

BORN *Information* BITS – NICU/SCN

This edition of the BITS focuses on helpful hints to improve the quality of the data for the NICU/SCN Encounter and Reporting.

NICU/SCN Encounter

All admissions to a NICU/SCN need to be entered in the BIS **regardless** of the length of stay and it is important that a new encounter is created for each readmission. **Rationale:** The data entered will help you understand neonatal care practices in order to identify data quality initiatives (e.g. strategies to decrease separating mothers and their babies). There is also a need to capture all NICU admissions in the province to monitor change.

Interventions

Enter the interventions for each NICU/SCN admission that take place in your unit! **Do not** enter interventions completed by the Transport Team, another NICU/SCN or from a previous admission/encounter to your NICU/SCN.

Highest Mode of Respiratory Support ...clarifying invasive and non-invasive ventilation

Invasive Ventilation <i>Support <u>via</u> an endotracheal tube</i>	Non-Invasive Ventilation <i>Support <u>without</u> intubation</i>
Invasive high frequency	CPAP
Intermittent positive pressure ventilation	Bi Pap
	NIPPV

How to Enter Non-Invasive and Invasive Ventilation Days?

When the infant receives full day(s) of ventilation support enter the whole number(s).

Highest Mode of Respiratory Support:

Non-Invasive Ventilation Days:

If ventilation support is less than 24 hours, the percentage of the day needs to be calculated by dividing the number of hours by 24. Eight hours = $8/24 = .33$

Admission to NICU and Post Partum Child (PPC) Encounter

Infants who are admitted directly to and discharged from a NICU/SCN **do not** require a PPC encounter; all discharge and screening information is captured in the NICU/SCN encounter.

NICU/SCN Profile on Discharge Report

Gestational Age at Birth: 41 Weeks 5 Days

Birth Weight: 4045 gms Birth Weight Unknown

Admission Temperature (C): 0.0 Admission Head Circumference: 37.0 cm

Admission Weight: 4045 gms

Days of Age on Admission: 0.12 days

[View NICU/SCN Profile on Discharge Report](#)

Proceed Submit Cancel

Provides an infant and maternal discharge summary that can be printed and given to parents to share with their baby's health care provider (HCP) at the first follow up visit.

If additional information, not captured in the BIS, is needed it may be added manually or electronically onto the form.

Field Level Help

"?" will appear when scrolling over any data element. Clicking on any data element will provide a definition for that data element (always in constant development).

NICU/SCN

Admission & Demographics Health Status **Interventions** Screening Discharge/Outcome

Neonatal Interventions: ? / Other interventions in Hospital \ Phototherapy

Neonatal Pain Management: None

SELECT SELECT

? Neonatal Therapies/Interventions indicate only the neonatal therapies and/or interventions that occurred at your organization. Please do not capture any interventions and/or therapies completed by the Transport Teams or by any other NICU/SCN.

Data Dictionary

The online BORN data dictionary includes data elements, definitions and associated pick list values. Go to www.BORNOntario.ca, click on **Data** and scroll to the bottom of the page and click on **Data Dictionary**.

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Data Dictionary
The online BORN data dictionary includes data elements, definitions and associated pick list values available for legacy and BIS data sets.

Data Quality
The BORN data quality framework and associated data quality activities can be found here.

Data Requests
Submit BORN data requests to support performance measurement, quality improvement, health policy work, surveillance, and research here.

Data Quality and Clinical Reports

The data entered is available via the reporting portal. Take advantage of the ready-made opportunities for monitoring quality and benchmarking with comparator groups.

- Messaging
- Data Quality Reports
- **Reporting**
- Acknowledgement
- Administration
- My Profile
- Data Dictionary Search
- Help
- Sign Out

Administrative Reports – Data Quality

Click on a Report Name link to view the report

Report Name	Description	Report Update Timing
Incomplete Infant Record	Incomplete Infant Record	Real time
Incomplete Maternal Record	Incomplete Maternal Record	Real time
Incomplete NICU/SCN Records	Incomplete NICU/SCN Records	Real time
Missing Data Elements - Birth and Postpartum Child	Birth and Postpartum Child Data Elements with Missing Data	Real time
Missing Data Elements - Labour & Birth and Postpartum Mother	Labour, Birth and Postpartum Maternal Data Elements with Missing Data	Real time
Missing Data Elements - NICU/SCN	NICU Data Elements with Missing Data	Real time
Month End Data Acknowledgement - All Organizations	Month End Data Acknowledgement (All Orgs)	Real time
Reconciliation - Maternal Newborn	Reconciliation - Maternal Newborn	Real time
Reconciliation - NICU/SCN	NICU SCN Reconciliation Report	Real time

Incomplete NICU/SCN Records – Provides direction to create and submit encounters that may be missed and to correct discrepancies.

Missing Data Elements – NICU/SCN – Provides opportunity to identify where data elements are missing or coded as unknown are: >30%, 10-30% or 5-10%. Note: *missing/unknown data to be < than 5% to increase confidence in analysis.*

Reconciliation – NICU/SCN – Provides listing of all NICU/SCN records for comparison against other hospital data sources to ensure **100% capture of all admissions.**

Clinical Reports

Click on a Report Name link to view the report

Report Name	Description
NICU/SCN Profile	NICU Profile

Data Downloads Reports

Click on a Report Name link to view the report

Report Name	Description
Encounter List Antenatal General	Encounter List Antenatal General
Encounter List Birth Child	Encounter List Birth Child
Encounter List Birth Mother	Encounter List Birth Mother
Encounter List Labour	Encounter List Labour
Encounter List NICU	Encounter List NICU

NICU/SCN Profile -- Provides the rate of NICU/SCN admissions by gestational age, birth weight, and acuity, as well as NICU/SCN outcomes and the distribution of infant length of stay; includes hospital data and *comparator data* from similar level of care hospitals and birth volume hospitals.

Encounter List NICU -- Spreadsheet view of all the infant records for the NICU/SCN encounter (e.g. Apgar scores, arterial cord blood results). Exporting to excel allows filtering data elements for analysis.

Need more information?

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