

BORN BIS Perinatal Enhancements – April 4, 2018



Where do you want to go?

Maternal Data Elements - Pages 1-3

Child Data Elements - Pages 4-5

NICU/SCN Data Elements - Pages 6-7



MATERNAL Data Elements:

ENCOUNTERS: AG = Antenatal General LBM = Labour Birth Mother PPM = Postpartum Mother

Data Element	Location (Encounter & Tab)	What's Changed?
Maternal Primary Language	Create Patient (Demographics & ID tab)	<p><u>Updated Pick List:</u></p> <ul style="list-style-type: none"> 'Central Khmer' changed to 'Central Khmer (Cambodian)' 'Pushto' changed to 'Pashto' <p><u>Added to Pick List:</u></p> <ul style="list-style-type: none"> 'Khmer' 'Dari'
GTPAL	AG and LBM (history tab)	<p><u>Refined Validation Rule:</u></p> <ul style="list-style-type: none"> GTPAL fields have been clearly defined
# of Previous Term Pregnancies (T) # of Previous Preterm Pregnancies (P) # of Previous Caesarean Sections # of Previous Vaginal Births	AG and LBM (history tab)	<p><u>Renamed Data Elements:</u></p> <ul style="list-style-type: none"> 'Number of Previous Term Births' renamed: 'Number of Previous Term Pregnancies' 'Number of Previous Preterm Births' renamed: 'Number of Previous Preterm Pregnancies' <p><u>Updated Pick List:</u></p> <ul style="list-style-type: none"> 'Number of Previous Caesarean Births' is not limited to six (6) 'Number of Previous Vaginal Births' is now a mandatory field
Mental Health Concerns:	AG and LBM (History tab)	<p><u>Added Validation Rule:</u></p> <ul style="list-style-type: none"> History of Postpartum Depression when G = >1
Conception Type	AG and LBM (Pregnancy tab)	<p><u>Updated Validation Rule:</u></p> <ul style="list-style-type: none"> Single select value except for 'Surrogate'
Medication Exposure in Pregnancy	AG and LBM (Pregnancy tab)	<p><u>Updated Validation Rule:</u></p> <ul style="list-style-type: none"> If 'Type 1' or 'Type 2 Diabetes with Insulin' is selected then Medication Exposure in Pregnancy must = Insulin If 'Hypothyroidism – Managed' is selected then Medication Exposure in Pregnancy is likely to = Thyroid Medication (warning)


 Progesterone taken daily	AG and LBM (Pregnancy tab)	<u>New data element:</u> <ul style="list-style-type: none"> Single select: Yes/No/Unknown
 ASA (aspirin) taken daily	AG and LBM (Pregnancy tab)	<u>New data element:</u> <ul style="list-style-type: none"> Single select: Yes/No/Unknown
Complications of Pregnancy	AG and LBM (Pregnancy tab)	<u>Updated Validation Rule:</u> <ul style="list-style-type: none"> If Fetal, Intrauterine Growth Restriction (IUGR) is an indication for Caesarean Section, then Complication in Pregnancy must = Fetal, IUGR
Diabetes & Pregnancy	AG and LBM (Pregnancy tab)	<u>Updated Validation:</u> <ul style="list-style-type: none"> Refined validation rule re: Maternal Health Conditions (Type 1 and Type 2 Diabetes), Medication Exposure in Pregnancy (Insulin) and Diabetes and Pregnancy
GBS Screening Date	AG and LBM (Pregnancy tab)	<u>Updated Validation Rule:</u> <ul style="list-style-type: none"> GBS screening date cannot be greater than 2 weeks after Estimated Date of Birth
GBS Antibiotics	LBM (Intrapartum tab)	<u>New Warning:</u> <ul style="list-style-type: none"> New warning message between GBS Screening Result and GBS antibiotics
 Time Fully Dilated	LBM (Birth tab)	<u>New Data Element:</u> <ul style="list-style-type: none"> ✓ 'Unknown' is available as a selection
Type of Birth	LBM (Birth tab)	<u>New Warning:</u> <ul style="list-style-type: none"> New warning message when 'Placenta Accreta' is selected in Complications in Pregnancy, and 'Type of Birth' = 'Spontaneous Vaginal' or 'Assisted Vaginal Birth'
All Indications for Caesarean Section	LBM (Birth tab)	<u>Updated Validation Rule:</u> <ul style="list-style-type: none"> If Indication for Caesarean Section = 'Maternal Placenta, Accreta, Increta or Percreta' then Complication in Pregnancy must = 'Placenta Accreta, Increta or Percreta'
Health Care Provider who Caught/ Delivered Baby	LBM (Birth tab)	<u>New Warning:</u> <ul style="list-style-type: none"> When birth location = home, 'Health Care Provider who Caught/Delivered Baby' cannot = Obstetrician, Resident, Surgeon, CNS/NP
Other Care Providers at time of labour and/or birth	LBM (Birth tab)	<u>Renamed pick List value:</u> <ul style="list-style-type: none"> 'CNS/NP' changed to 'Clinical Nurse Specialist/Nurse Practitioner' <u>Added pick List values:</u> <ul style="list-style-type: none"> 'Paediatrician' 'Neonatologist' 'Respiratory Therapist'

Reason for Maternal Transfer To:	LBM (Intrapartum tab)	<u>Removed Pick List values:</u> <ul style="list-style-type: none"> • 'Keeping baby and mother together' • 'Care closer to home' • 'Condition improved'
	LBM (Outcome tab)	<u>Removed Pick List values:</u> <ul style="list-style-type: none"> • 'Care closer to home' • 'Condition improved'
Barrier to Transfer	LBM (Outcome tab)	<u>Added Validation Rule:</u> <ul style="list-style-type: none"> • Data element visible based on hospital level of care
Pregnancy Outcome	PPM (Summary tab)	<u>Added Validation Rule:</u> <ul style="list-style-type: none"> • If a PPM <i>only</i> encounter is created: 'Pregnancy Outcome' will be mandatory
Postpartum Complication	PPM (Summary tab)	<u>Added Pick List values:</u> <ul style="list-style-type: none"> • 'MRSA Positive' • 'Postpartum Haemorrhage Requiring Transfusion'
Postpartum Breastfeeding Support	PPM (Summary tab)	<u>Added Validation Rule:</u> <ul style="list-style-type: none"> • If Pregnancy Outcome is 'Live Birth', then data element 'Postpartum Breastfeeding Support' is mandatory



CHILD Data Elements:

ENCOUNTERS: BC = Birth Child PPC = Postpartum Child

Data Element	Location (Encounter & Tab)	What's Changed?
Presentation Type	BC (Birth tab)	'Presentation type' is now a mandatory field
Forceps/Vacuum	BC (Birth tab)	'Forceps/vacuum' is now a mandatory field
 Delayed Cord Clamping Seconds	BC (Birth tab)	<u>New data element:</u> ✓ Enter actual length of time in minutes and seconds
Reason for Neonatal Transfer	BC (Birth tab) PPC (Discharge summary)	<p><u>Removed Pick List Values:</u></p> <ul style="list-style-type: none"> 'Bed needed for sicker baby' 'Condition improved' 'Lack of physician coverage' 'Lack of RN coverage' 'No bed available' 'Keeping mother and baby together' 'Care closer to home' <p><u>Added Pick List Values:</u></p> <ul style="list-style-type: none"> 'Post Resuscitation' to BC encounter 'Observation 4 hrs or less (no interventions)' to BC and PPC encounters
Infant Early attachment/feeding initiation	BC (Birth tab) PPC (Newborn status tab)	<p><u>Removed Pick List value:</u></p> <ul style="list-style-type: none"> Transfer to NICU/SCN
Bilirubin Measured within 72 hours of Birth	PPC (Discharge summary tab)	<p><u>Renamed Pick List values::</u></p> <ul style="list-style-type: none"> 'Yes – Transcutaneous bilirubin (TCB)' 'Yes – Total Serum Bilirubin (TSB)' 'No – Transferred Out/Discharged' 'No – declined' 'No – reason unknown' 'No – reason other' 'Unknown'

Hyperbilirubinemia treatment	PPC (Discharge summary tab)	<u>Added/updated pick List values:</u> <ul style="list-style-type: none"> • 'Phototherapy' • 'Treatment declined' 		
Newborn Screening Offered	N/A	<u>Removed Data Element:</u> <ul style="list-style-type: none"> • Newborn screening data collection is now managed by Newborn Screening Ontario (NSO) 		
Pain relief measures during first blood sampling by heel prick	PPC (Discharge summary tab)	<table border="0"> <tr> <td data-bbox="639 470 1019 835"> <u>Renamed data element:</u> <ul style="list-style-type: none"> • 'Pain relief measures during newborn screening or serum bilirubin' has been changed to 'Pain relief measures during first blood sampling by heel prick.' </td> <td data-bbox="1019 470 1503 835"> <u>Updated pick List values:</u> <ul style="list-style-type: none"> • 'Breastfeeding' • 'Skin to skin' • 'Sucrose' • 'Other' • 'No pain relief measures' • 'No heel prick sampling' • 'Unknown if pain relief was provided' </td> </tr> </table>	<u>Renamed data element:</u> <ul style="list-style-type: none"> • 'Pain relief measures during newborn screening or serum bilirubin' has been changed to 'Pain relief measures during first blood sampling by heel prick.' 	<u>Updated pick List values:</u> <ul style="list-style-type: none"> • 'Breastfeeding' • 'Skin to skin' • 'Sucrose' • 'Other' • 'No pain relief measures' • 'No heel prick sampling' • 'Unknown if pain relief was provided'
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We welcome your ideas for the 2019 enhancements.


Please use the [Enhancement Request Form](#) (found under the *Help* quick link in the BIS).

All suggestions are reviewed and prioritized based on the needs of hospitals, midwifery practice groups, and regional and provincial stakeholders.



NICU/SCN Child Data Elements

Data Element	Location (tab)	What's Changed?		
 Time of Birth	Admission & Demographics tab	<u>New Data Element:</u> ✓ If Baby is transferred to NICU (same hospital), and BC encounter is submitted, the Data and Time of Birth populates the NICU admission and demographics tab.		
 Gestational Age	Admission & Demographics tab	<u>New Data Element:</u> ✓ Auto-calculated field		
Neonatal Therapies/Interventions	Interventions tab	<u>Added Pick List values:</u> <ul style="list-style-type: none"> • 'Dextrose gel' • 'Glucose monitoring' • 'Naso-gastric tube drainage' • 'Oral Immune Therapy (OIT)' • 'Pre-medication for intubation' • 'Venipuncture' 		
Neonatal Surgery	Interventions tab	<table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 50%;"> <u>Removed Pick List values:</u> <ul style="list-style-type: none"> • 'ROP treatment' • 'Other surgery' </td> <td style="vertical-align: top; width: 50%;"> <u>Renamed Pick List values:</u> <ul style="list-style-type: none"> • 'NEC surgery' changed to 'Necrotizing Enterocolitis (NEC) surgery' • 'PDA ligation' changed to 'Patent Ductus Arteriosus (PDA) ligation' • 'ECMO' changed to 'Extracorporeal Membrane Oxygenation (ECMO)' </td> </tr> </table>	<u>Removed Pick List values:</u> <ul style="list-style-type: none"> • 'ROP treatment' • 'Other surgery' 	<u>Renamed Pick List values:</u> <ul style="list-style-type: none"> • 'NEC surgery' changed to 'Necrotizing Enterocolitis (NEC) surgery' • 'PDA ligation' changed to 'Patent Ductus Arteriosus (PDA) ligation' • 'ECMO' changed to 'Extracorporeal Membrane Oxygenation (ECMO)'
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Bilirubin Measured within 72 hours of Birth	Screening tab	<u>Added/Renamed Pick List values:</u> <ul style="list-style-type: none"> • 'Yes – Transcutaneous bilirubin (TCB)' • 'Yes – Total Serum Bilirubin (TSB)' • 'No – Transferred Out/Discharged' • 'No – declined' • 'No – reason unknown' • 'No – reason other' • 'Unknown' 		
Hyperbilirubinemia requiring treatment	Screening tab	<u>Added/Updated Pick List values:</u> <ul style="list-style-type: none"> • 'Phototherapy' • 'IVIG administration' • 'Exchange transfusion' • 'Treatment declined' 		

Pain relief measures during first blood sampling by heel prick	Screening tab	*Same as above, in PPC
ROP Worst Stage Left/Right Eye	Screening tab	<u>Added Pick List values (to capture data separately for left and right eye):</u> <ul style="list-style-type: none"> • 'Left eye – None' • 'Left eye – Unknown' • 'Right eye – None' • 'Right eye – Unknown'
Neuroimaging Screening Results Left and Right	Screening tab	<u>Added Pick List values:</u> <ul style="list-style-type: none"> • 'Intracranial hemorrhage' • 'Subarachnoid hemorrhage' • 'Subdural hemorrhage'
 Reason for Neonatal Transfer	Discharge & Outcome tab	<u>New Data Element</u> <u>Pick List Values</u> <ul style="list-style-type: none"> • 'Repatriation' • 'Bed needed for sicker baby' • 'Condition improved' • 'Lack of physician coverage' • 'Lack of RN coverage' • 'No bed available' • 'Keeping baby and mother together' • 'Care closer to home' • 'Other' • 'Unknown'