

BCPDR Reference Manual Update

Effective 1 April 2014 Discharges

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Objectives



Objectives

- Global changes to the manual
- Deletions to the manual
- Revisions to the manual
- Additions to the manual
- What's in the future?

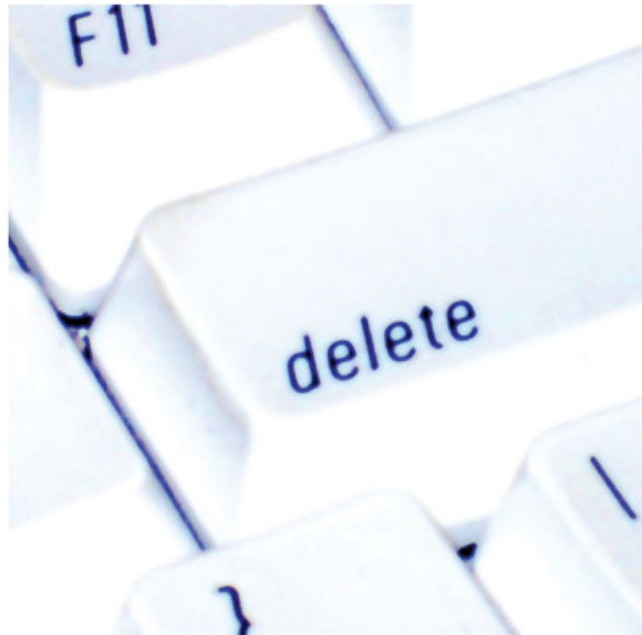
Global Changes to the Manual



Global Changes to the Manual

- Changed print format to easily allow for future changes
- Changes highlighted **Yellow** ; Additions highlighted in **Green**
- Located on website – is designed to be used electronically and is downloadable, searchable, and contains hyperlinks
- Added material and content taken from questions, workshops, and feedback from clients
- Changed some formatting to ensure consistency
- Added explanations, examples and clarifications
- NOT meant to be a completely new manual

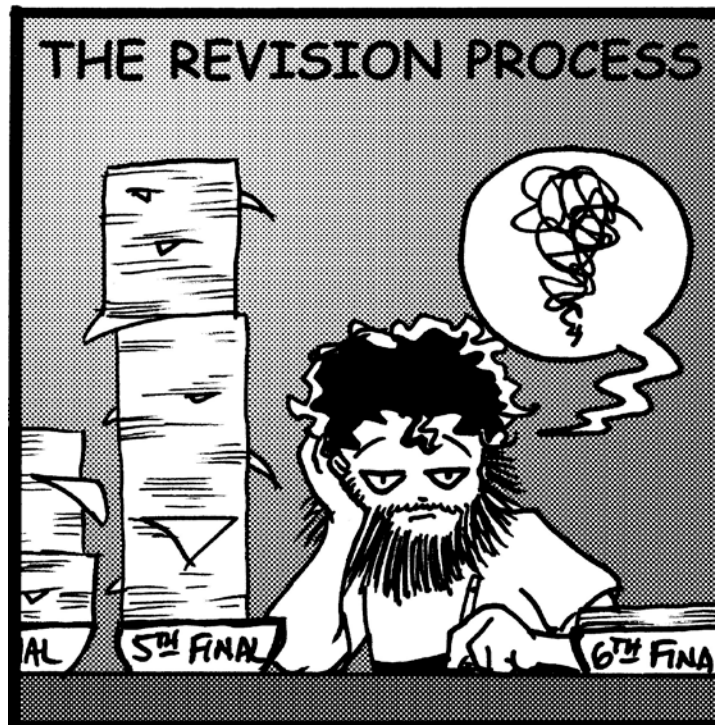
Deletions to the Manual



Deletions to the Manual

- All references to Source Documents
- Whitfield Chart
 - [BC Vital Statistics Birth Weight Growth Charts](#)
- References to the electronic HELP button
- All references to individual CIHI fields
 - Section 9.5 Field Values
 - Appendix 10.7 CIHI Tables
- Instructions & Form on how to utilize Supplementary Institution Field
 - Appendix 10.8.3 Utilization of a Supplementary Institution Field
 - Appendix 10.8.4 Form – Activation of a Supplementary Institution Field

Revisions to the Manual



Revisions to the Manual

- Scope of Database
 - Key change for Postpartum Suite
 - **Now includes:** *Mothers who deliver at home, with the attendance of a **registered** midwife, then admitted*
 - Key change for Baby Transfer/Readmission Suite
 - **Now includes:** *Newborns who are born at home, with the attendance of a **registered** midwife, then admitted*



Revisions to the Manual

- Scope of Database – Midwife Scenarios

Scenario	Special Rules	Time Period	Applicable Suite	Who Completes Suite
Delivers newborn/stillborn at home in BC with registered midwife present	Not admitted to hospital	Not applicable	Mother	PSBC Staff or Victoria General Staff
Newborn/stillborn born at home in BC with registered midwife present	Not admitted to hospital	Not applicable	Baby Newborn	PSBC Staff or Victoria General Staff
Delivers newborn/stillborn at home in BC with registered midwife present	Admitted to hospital	≤ 42 days post delivery	Postpartum	Hospital that mother admitted to
Newborn/stillborn born at home in BC with registered midwife present	Admitted to hospital	≤ 28 days of age	Baby Transfer/Readmission	Hospital that baby admitted to
Delivers newborn/stillborn at home in BC without a registered midwife present	Admitted to hospital	≤ 24 hours of delivery	Mother	Hospital that mother admitted to
Newborn/stillborn born at home in BC without a registered midwife present	Admitted to hospital; first hospital admission for newborn	≤ 24 hours of age	Baby Newborn	Hospital that newborn admitted to
Delivers newborn/stillborn at home in BC without a registered midwife present	Admitted to hospital	>24 hours and ≤ 42 days post delivery	Postpartum	Hospital that mother admitted to
Newborn/stillborn born at home in BC without a registered midwife present	Admitted to hospital/first hospital admission for newborn	>24 hours of age and ≤ 28 days of age	Baby Transfer/Readmission	Hospital that baby admitted to

Revisions to the Manual

- Fields – Mother Suite
 - Spont. Abort & Induced (Therap) Abort – Antenatal Screen
 - Revised Definition
 -prior to 20 completed weeks gestation **and less than 500 grams.**

Revisions to the Manual

- Fields – Mother Suite
 - Labour & Delivery Presentation/Position – Birth Summary Screen
 - Revised Explanation
 - **Presentation Terms** (refers to the fetus's body)
 - » Occiput (head)
 - » Cephalic (head)
 - » Vertex (head)
 - » Breech (buttocks)
 - » Sacral (buttocks)
 - » Transverse (body lying perpendicular)
 - **Position Terms** (refers to the baby's head position)
 - » Anterior
 - » Posterior
 - » Transverse

Revisions to the Manual

- Fields – Mother Suite
 - Cervical Dilation Prior to CS – Birth Summary Screen
 - Revised Definition
 - The last documented measurement of cervical dilation during **active** labour.....

Revisions to the Manual

- Fields – Mother Suite
 - VBAC Attempted – Birth Summary Screen
- Added Examples
 - **Eg: If the mother was booked for a repeat C/S, spontaneous labour occurs, and a C/S is done after the 2nd stage of labour is established. Attempt was made.**

Revisions to the Manual

- Fields – Mother Suite
 - Labour – No Labour – Birth Summary Screen
- Added Note
 - **Note:** If date and time of first stage is not documented and there is no documentation of all three criteria of labour (painful contractions, cervical dilation, and effacement), abstract No Labour.

Revisions to the Manual

- Fields – Mother Suite
 - Labour Augmented & Labour Induced – Birth Summary Screen
- Revised Explanation
 - **When abstracting Induction/Augmentation, use the same logic as when determining Induction/Augmentation for CIHI purposes.**

Revisions to the Manual

- Fields – Mother Suite
 - Perineum/Vagina/Cervix – Birth Summary Screen
- Revised Definition
 -injury during ~~vaginal~~ delivery.

Revisions to the Manual

- Fields – Mother Suite
 - History of Mental Illness – PP Depression – Risks Screen
 - Replaced Definition
 - **Mother experienced postpartum depression after a previous delivery.**

Revisions to the Manual

- Fields – Mother Suite
 - Substance Use – Risks Screen
 - Revised Definition
 - The mother used substances, including illicit drugs, at any time during the current pregnancy **regardless of whether the mother was aware she was pregnant.**
 - Added Note– Methadone
 - **Note: Captured regardless of the reason that the mother was receiving methadone.**
 - Revised Definition – Prescription
 - Care provider ~~lists~~ documents mother's use of a prescription drug as a risk in this pregnancy .

Revisions to the Manual

- Fields – Postpartum Suite
 - Postpartum Infection – Pregnancy/PP Screen
- Revised Definition
 - **Mother admitted within 42 days post delivery with any infection (not necessarily documented as a postpartum infection).**

Revisions to the Manual

- Fields – Baby Newborn Suite
 - Personal Health Number – Baby Newborn Screen
- Revised Explanation
 - Abstract '0' if the PHN is not available, **if the PHN is an out of province number, or if the infant is a stillbirth.**

Revisions to the Manual

- Fields – Baby Newborn Suite
 - Stillbirth – Newborn Record Screen
- Revised Explanation
 - **Vital Statistics Legal** Definition of Stillbirth: The complete expulsion or extraction from its mother after at least 20 weeks pregnancy or after attaining a weight of ≥ 500 grams, of a product of conception in which, after the expulsion or extraction, there is no breathing, beating of heart, pulsation of the umbilical cord or unmistakable movement of voluntary muscle.
- Added Note
 - **This is different from the CIHI definition: Any intrauterine fetal demise or termination occurring at or after 20 completed weeks of gestation in which the fetus shows no signs of life.**
 - **The PDR database may therefore not always match with CIHI.**

Revisions to the Manual

- Fields – Baby Newborn Suite
 - Resuscitation – Newborn Record Screen
- Revised Definition
 - Applies to the initial resuscitation **for the first hour after birth, or immediately prior to transfer to the NICU, whichever comes first.**

Revisions to the Manual

- Fields – Baby Newborn Suite
 - Meconium Present – Newborn Record Screen
- Revised Definition
 - The presence of thick or thin meconium at **any time during the intrapartum period, including** delivery.

Revisions to the Manual

- Fields – Baby Newborn Suite
 - Suction – Newborn Record Screen
- Revised Definition
 - Suctioning during the birth episode, ~~excluding routine suctioning (usually done when meconium is present).~~

Revisions to the Manual

- Fields – Baby Newborn Suite
 - Resuscitation - Oxygen – Newborn Record Screen
- Revised Explanation
 - Includes Continuous Positive Airway Pressure (CPAP) without intubation **as long as oxygen is given with the CPAP. CPAP given on its own (on room air or without simultaneous oxygen administration) during the resuscitation period is not captured by the BCPDR.**

Revisions to the Manual

- Fields – Baby Newborn Suite
 - Newborn Feeding – Breast Milk – Newborn Record Screen
 - Replaced Explanation
 - **Baby was given only breast milk (including expressed breast milk) either orally, or by gavage feed, for the duration of their hospital stay. If water was given with the breast milk, it is not exclusive breast milk. The breast milk may be given by the mother, health care provider, or family member / supporter.**

Revisions to the Manual

- Fields – Baby Newborn Suite & Baby Transfer/Readmission Suite
 - Method of Assisted Ventilation – Baby Chart Screen
 - Added Definition
 - **Applies to the time period following the initial resuscitation (begins one hour after birth or immediately upon arrival to the NICU, whichever comes first).**
 - Added Explanation
 - **Each field is independent of the other(s).**

Revisions to the Manual

- Fields – Baby Newborn Suite & Baby Transfer/Readmission Suite
 - Method of Assisted Ventilation – CPAP Days – Baby Chart Screen
- Revised Explanation
 - Includes Biphasic CPAP, BiPAP, SiPAP, Bubble, and CPAP.
 - If baby receives oxygen via CPAP, also abstract for Oxygen Days.
 - If you are unsure how CPAP is documented at your site, please contact your neonatal care providers.

Revisions to the Manual

- Fields – Baby Newborn Suite & Baby Transfer/Readmission Suite
 - Method of Assisted Ventilation – Oxygen Days – Baby Chart Screen
 - Revised Definition
 - The total of number of days (in whole numbers) the baby received **continuous** oxygen therapy or **nasal prongs**.
 - Revised Explanation
 - 21 or 21% is **usually** considered room air. Anything above this value is classified as oxygen.
 - **Oxygen >21% can be delivered by CPAP, ventilator, oxyhood, incubator, or high flow nasal prongs. Low flow nasal prongs are always considered oxygen.**

Revisions to the Manual

- Fields – Baby Newborn Suite & Baby Transfer/Readmission Suite
 - NICU Days – Level II & Level III – CIHI Data Screen
- Revised Definition
 - The total number of days (in whole numbers) baby ~~was in the Neonatal Intensive Care Unit Level (II) (III)~~ required Level (II) (III) care in the Neonatal Intensive Care Unit.

Revisions to the Manual

- Functions
 - 7.2 Linking & Unlinking Suites
 - Added Explanation
 - It is preferable to link from the Newborn Suite to the Mother Suite to minimize linking errors.
 - Added Note
 - If the Baby Newborn record is sent from an earlier file submission than the Mother record, link the Mother record from the Baby Newborn record.

Revisions to the Manual

- Functions
 - 7.2.2 Linking Previously entered Mother Suite to Baby Transfer/Readmission Suite
 - Added Subtitle
 - **Mother delivered baby at current hospital or within a shared database**

The screenshot shows a software window titled 'Transfer/Read...' with a sidebar on the left containing icons for 'Baby Chart', 'CIHI', and 'Supplementary'. The main area has a menu bar with 'Find', 'New', 'Save', 'Delete', 'Exit', 'Validate', 'Link', and 'Help'. Below the menu bar is a dropdown menu for 'Institution' set to '975 We Care Hospital'. The form contains several input fields: 'Surname' (SMITH), 'Given Name' (JOHN), 'Surname Birth' (SMITH), 'Sex' (M), 'Baby Sequence' (1 of 1), 'Chart Number' (12345), 'Inpatient Number', 'Personal Health #' (0), 'Date of Birth' (01 Nov 2007), 'Admission Date' (06 Nov 2007), 'Time' (0800), 'Discharge Date' (07 Nov 2007), and 'Time' (1200). At the bottom, there are two sections: 'Mother's Linking Details' and 'Baby's Linking Details'. The 'Mother's Linking Details' section has fields for 'Surname' (SMITH), 'Given name' (MARY), 'Personal Health #' (0), and 'Date of Birth' (01 Mar 1970). The 'Baby's Linking Details' section has a 'Birth Hospital' dropdown set to 'We Care Hospital'. At the bottom right, there is a status bar that says 'Suite Complete Baby Linked'.

Mother's Linking Details		Baby's Linking Details	
Surname	Given name	Birth Hospital	
SMITH	MARY	We Care Hospital	
Personal Health #	Date of Birth		
0	01 Mar 1970		

Suite Complete Baby Linked

Revisions to the Manual

- Functions
 - 7.2.2 Linking Previously entered Mother Suite to Baby Transfer/Readmission Suite
 - Added Subtitle
 - **Mother delivered baby at another hospital or not within a shared database**

The screenshot shows a software interface for linking mother and baby records. The interface includes a sidebar with icons for 'Transfer/Read...', 'Baby Chart', 'CHI', and 'Supplementary'. The main area contains a top toolbar with buttons: 'Bind', 'New', 'Save', 'Delete', 'Exit', 'Validate', 'Link', and 'Help'. Below the toolbar is a form with the following fields:

- Institution:** A dropdown menu showing 'S75 - We Care Hospital'.
- Mother's Details:**
 - Surname: SMITH
 - Given Name: JOHN
 - Surname Birth: SMITH
 - Sex: M
 - Baby Sequence: 1 of 1
- Chart Number:** 12345
- Inpatient Number:** (empty)
- Personal Health #:** 0
- Date of Birth:** 01 Nov 2007
- Admission Date:** 06 Nov 2007, **Time:** 0800
- Discharge Date:** 07 Nov 2007, **Time:** 1200

A red box highlights the 'Mother's Linking Details' and 'Baby's Linking Details' sections at the bottom of the form:

- Mother's Linking Details:**
 - Surname: (empty)
 - Given name: (empty)
 - Personal Health#: (empty)
 - Date of Birth: (empty)
- Baby's Linking Details:**
 - Birth Hospital: (empty dropdown)

At the bottom right of the red box, the text 'Suite Complete' is displayed in blue.

Revisions to the Manual

- Functions
 - 7.3 Deleting a Record
 - Replaced Section
 - *This entire section has been rewritten to reflect the difference between Deleting Records Before Exporting and Deleting Records After Exporting. These two subsections have been further divided into Deleting Linked Records and Deleting Unlinked Records.*
 - Key Points
 - *Deleting records **prior** to exporting can be done at any time during data entry*
 - *Deleting records **after** exporting can only be done once you have contacted the PSBC Product Support Team and have completed a 'Record to Delete from the BCPDR' form*
 - *Linked records should be deleted separately from their own suites*
- ❖ *It is highly recommended only one person at your site be responsible for deletions*

Revisions to the Manual

- Functions
 - 7.3.3 Deleting a Record After Exporting
 - Revised form

7.3.3 Deleting a Record After Exporting

If the record to delete had been exported, please complete this form. Once this form is received the record will be deleted from the Provincial Database.

Instructions:

1. Find the record to delete from the applicable suite.
2. Locate the transfer Batch ID at the bottom of the record on the ID/Status bar in each of the Suites.
`mother_id: 12728 transfer_count: 1 transfer_batch_id: 7/25/2013 2:21:11 PM`
3. Complete this form and then delete record.

Record to Delete from the BCPDR

HOSPITAL: _____ INSTITUTION NO.: _____

CHART NUMBER: _____ PHN: _____

DISCHARGE DATE: _____

PATIENT'S SURNAME: _____

PATIENT'S GIVEN NAME: _____

TYPE OF RECORD: ☐ MOTHER ☐ MOTHER POSTPARTUM
☐ BABY NEWBORN ☐ BABY TRANSFER/ READMISSION

REASON FOR DELETION: _____

TRANSFER_BATCH_ID OF RECORD DELETED: _____

TRANSFER_BATCH_ID OF RECORD KEPT: _____

DATE FORM COMPLETED: ____/____/____ PERSON COMPLETING FORM: _____

Form Submission to PSBC:

1. Scan and upload the form by the eHealth Network Gateway (eNG). Notify the PSBC Product Support team of the submission by email, psbc@phsa.ca.
OR
2. Courier form to PSBC at: Perinatal Services BC
West Tower, Suite 350
555 West 12th Avenue
Vancouver, BC V5Z 3X7

Revisions to the Manual

- Reports
 - 9.1 Provincial Reports
- Added Note
 - To identify and explain our Provincial Reports that are available on PSBC's website:
 - » **Annual Indicators for BC Residents and for Place of Delivery**
 - » **Core Surveillance Quarterly Report**
 - » **PSBC Perinatal Health Report**
 - » **Special Reports**
 - » **Facility-level Maternity and Neonatal Indicators**

Revisions to the Manual

- Reports
 - 9.3 Ad Hoc Reports
- Revised Subsection
 - **PSBC no longer provides technical assistance for the use of MS Access.**

Revisions to the Manual

- Reports
 - 9.5.1 Coded Field Values
 - Added Missing Field Name, Screen, Table, Code, & Description for:
 - **Postpartum Urinary Infection**
 - **Postpartum Wound Infection**
 - » **Severity**
 - » **Type**

Revisions to the Manual

- Appendices
 - 10.3 Weight Conversion Chart – Pounds to Kilograms
 - Revised Values
 - Values were **updated April 2014** .

Revisions to the Manual

- Appendices
 - 10.6.3 Labour and Delivery Presentation and Position
 - Added Flowcharts
 - The **Determination of Labour and Delivery Presentation and Position Flowcharts** have been added to this appendix.

Additions to the Manual



Additions to the Manual

- Neonatal Daily Classification (formerly known as NICU Daily Classification)
 - PSBC expanding the scope of Neonatal Daily Classification
 - Includes all newborns born in or admitted to facilities with planned maternity
 - Being rolled out in three (or four if required) phases
 - Phase 1 rollout complete
 - Phase 2 sites notified
 - Rollout to take place in July 2014
 - Phase 3 rollout to take place in the fall 2014
 - Detailed information to be communicated in coming weeks
 - To include Administrative, Clinical & HIM Management

Additions to the Manual

- Appendices
 - 10.1 PSBC Provincial Perinatal Forms Documentation Hierarchy
 - Added Appendix to assist you in locating data fields

SUITE	SCREEN	FIELD NAME	RECOMMENDED SOURCE	ALTERNATIVE SOURCE(S)	ADDITIONAL NOTES
Mother	Antenatal	Group B Strep – Results	Antenatal Record 2 (13)	Triage & Assessment 1 (3) Labour Partogram 1 (1)	
Mother	Antenatal	HBsAg Results	Antenatal Record 2 (13)		
Mother	Antenatal	HBsAg Testing	Antenatal Record 2 (13)		
Mother	Antenatal	HIV Testing	Antenatal Record 2 (13)		
Mother	Antenatal	Induced [Therap] Abort	Antenatal Record 1 (3)		
Mother	Antenatal	IVF	Antenatal Record 1 (5)		
Mother	Antenatal	Last Menstrual Period Date	Antenatal Record 1 (4) Antenatal Record 2 (14)	Triage & Assessment 1 (1)	Menses cycle in Antenatal Record 1 (4) indicates whether periods are regular

For Reference
Purposes Only

Additions to the Manual

- Appendices
 - 10.5.1 Gestational Age Calculation Used by BCPDR Application
 - 10.5.2 Gestational Age Calculation Used by PSBC Surveillance
 - Added Appendices

Additions to the Manual

- Appendices
 - 10.7 Adapted Case Scenarios for Registration of Births and Stillbirths in British Columbia
 - Added Appendix – Snapshot of Appendix

Signs of life detected after birth ²	Birth weight in grams	Gestational age in completed weeks at diagnosis of fetal death	Gestational age in completed weeks at birth / expulsion	Vital statistics registration / PDR abstract requirements ³	DAD abstract requirement
No	≥ 500 g	≥ 20	Unknown	Stillbirth	*
No	≥ 500 g	< 20	≥ 20	Stillbirth	No
No	≥ 500 g	< 20	< 20	Stillbirth	No

Legal requirement – Vital Statistics & PDR Abstract – based on *expulsion* or *extraction*

DAD Abstract requirement – based on *demise* or *termination*

Additions to the Manual

- Appendices
 - 10.8 Newborn Resuscitation & Ventilation
- Added Appendix
 - Definitions – Snapshot of Appendix

TYPE OF VENTILATION	PDR Abstract	
	RESUSCITATION	VENTILATION
Invasive CPAP – no oxygen	Not captured in BCPDR	CPAP Days
Invasive CPAP – with oxygen	Oxygen	CPAP Days plus Oxygen Days
Non-Invasive CPAP – no oxygen	Not captured in BCPDR	CPAP Days
Non-Invasive CPAP – with oxygen	Oxygen	CPAP Days plus Oxygen Days

Additions to the Manual

- Appendices
 - 10.8 Newborn Resuscitation & Ventilation
 - Added Appendix
 - Scenario Table – Snapshot of Appendix

Type of Hospital in which Newborn was Delivered	Oxygen and/or ventilation in first 60 minutes of life OR until admission to NICU			Oxygen and/or ventilation in NICU	
	Newborn Received Oxygen and/or Vented in Delivery Room	Age in Minutes when Oxygen and/or Ventilation was Stopped	Resuscitation Section – Newborn Record Screen Requirements	Newborn Received Oxygen and/or Vented in NICU	Method of Assisted Ventilation – Baby Chart Screen Requirements
Hospital <i>with</i> a NICU	No	N/A	N/A	No	N/A
	No	N/A	N/A	Yes	Abstract appropriate # of days
	Yes	<60 minutes	Abstract Start and Stop Age	No	N/A

Whether the hospital in which the baby was born in has a NICU can determine whether the information is captured in the Resuscitation Section of the Newborn Record Screen, the Method of Assisted Ventilation in the Baby Chart Screen, or both.

Additions to the Manual

- Appendices
 - 10.8 Newborn Resuscitation & Ventilation
 - Added Examples
 - *During analysis it has been evident that the collection of Start Age & Stop Age may not be clear*
 - » **Eg: Baby born at 1206**
 - » **Resusc started at 55 seconds** **Start Age = .92 (55/60)**
 - » **Resusc stop at 3 min 15 sec** **Stop Age = 3.25 (15/60)**

Additions to the Manual

- Examples
 - Infections – Postpartum Infections
- Added Examples
 - Based on clients' feedback we have added examples of when to abstract
 - » **Postpartum Infection – Yes**
 - » **Postpartum Infection – No**
 - » **Postpartum Infection - Unknown**

Additions to the Manual

- Examples
 - Infections – Newborn Infections
- Added Examples
 - Based on clients' feedback we have added examples of when to abstract
 - » **Infection – Yes**
 - » **Infection – No**

What's in the Future?



What's in the Future?

- Evaluation of the rollout of the Reference Manual
- Further development of the Resources for Coders Page
- Development of a new web-based database
- Review of all our PSBC Forms
 - Neonatal Daily Classification will be incorporated into the Newborn Clinical Path

Thank you

- Reference Manual Team
 - Kenny Der
 - Gillian Frosst
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- Reviewers
 - Melanie Baker
 - Susan Barker
 - Cathe Johnson
 - Angie Kinrade
- Communications
 - Lubna Ekramoddoullah
- Knowledge Translation
 - Taslin Velani

Resources

- o Telephone Helpline –
604.877.2121 local 223753
- o Email helpline –
psbc@phsa.ca
- o Perinatal Services BC Website –
www.perinatalservicesbc.ca

Resources - Website

- **Resources for Coders**
 - www.perinatalservicesbc.ca/DataAndSurveillance/DataRegistry/Resources-for-coders
 - **BCPDR Reference Manual – April 2014**
 - **Change Document**
 - **Powerpoint Presentation**
 - **Bulletins**
 - **EDD Calculator**

- **Other Resources**
 - **Forms**
 - **Surveillance Indicators**
 - **Guidelines & Standards**

Thank You!