

# Perinatal Forms Guideline 5B A Guide for Completion of the BRITISH COLUMBIA NEWBORN RESUSCITATION AND STABILIZATION RECORD

June, 2010

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**Perinatal Services BC**  
F502-4500 Oak Street  
Vancouver, BC Canada V6H 3N1  
Tel: (604) 875-3737  
[www.perinatalservicesbc.ca](http://www.perinatalservicesbc.ca)



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## Introduction

Perinatal Services BC's (formerly the BC Perinatal Health Program) BC Newborn Resuscitation and Stabilization Record, PSBC 1583B rev. 2010/05 is a tool developed for the summary of the extensive newborn care provided during the resuscitation/stabilization period, and is consistent with NRP guidelines. It is a tool to facilitate the communication and continuity of care between facilities and providers of care. This form is intended to be used at the time of birth to document resuscitation requiring the use of oxygen or positive pressure ventilation in the delivery setting, but can be used in any setting where a neonate requires resuscitation and stabilization. This Resuscitation and Stabilization Record is also used in some centres to capture an infant's deteriorating status, where poor outcomes are anticipated.

Any documentation done on separate pieces of scrap paper should be attached to the form to ensure no information is missed. Copies of the completed forms should be maintained and logged for Quality Assurance purposes.

Specific fields in the newborn record are collected as part of a comprehensive database for the British Columbia Perinatal Database Registry (BCPDR), which includes data collection from the entire suite of Provincial Perinatal Forms. The mandate of Perinatal Services BC includes the collection and analysis of perinatal data to evaluate provincial perinatal outcomes, and to improve health care initiatives.

**Items collected in the database are identified with an asterisk (\*).**

## Glossary

HR – heart rate

BP – blood pressure

lpm – litres per minute

PPV – positive pressure ventilation

CPAP – continuous positive airway pressure

PRESSURE – pressures of PIP/PEEP; peak inspiratory pressure (PIP), peak end expiratory pressure (PEEP)

ETT – endotracheal tube

LMA – laryngeal mask airway

EPI – epinephrine

VOL EXP – volume expander

## 1.0 Time

Item	Description
ACTUAL TIME/AGE (in minutes)	<ul style="list-style-type: none"> <li>Either actual time on wall clock OR age in minutes from Apgar timer (sufficient to use either one or the other)</li> </ul>

## 2.0 Assessment

Item	Description
APGAR SCORE *– If Apgar <7 at 5min	<ul style="list-style-type: none"> <li>Scores are based on a value of 0-2 for Heart rate, Respiratory effort, Muscle tone, Response to stimuli, and Colour</li> <li>As per NRP recommendations, Apgar scores that are less than 7 at 5 minutes of age, should continue to be assigned every 5 minutes, up to 20 minutes of age (Kattwinkel, p1-14)</li> </ul>
TEMP* (Ax or Skin probe)	<ul style="list-style-type: none"> <li>Indicate whether the temperature is monitored by axilla or skin probe; either by circling the chosen method or, if alternating, by writing a superscript A or S respectively</li> </ul>
BP	<ul style="list-style-type: none"> <li>Enter as systole over diastole, with the mean blood pressure in the next column</li> </ul>

## 3.0 Interventions

Item	Description
OXYGEN* - Free flow O <sub>2</sub> “✓”	<ul style="list-style-type: none"> <li>Indicate with a checkmark when free flow oxygen is administered</li> </ul>
% or lpm	<ul style="list-style-type: none"> <li>Record amount of oxygen delivered as percentage or in litres per minute</li> </ul>
PPV* or CPAP*	<ul style="list-style-type: none"> <li>For Positive Pressure Ventilation (PPV) record ventilation in the RATE column and PIP slash PEEP in the PRESSURE column</li> <li>For Continuous Positive Airway Pressure (CPAP) record the pressure after the slash in the PRESSURE column</li> </ul>
LMA*	<ul style="list-style-type: none"> <li>The only appropriate size of laryngeal mask airway for a newborn is size 1</li> <li>Indicate either ETT or LMA by circling it and placing a ‘check’ in that column</li> </ul>
ETT* size	<ul style="list-style-type: none"> <li>Appropriate sized endotracheal tubes are as follows and should be recorded:               <ul style="list-style-type: none"> <li>2.5mm ETT (≤ 1kg)</li> <li>3.0mm ETT (1 &lt; 3kg)</li> <li>3.5mm ETT (3 ≤ 4kg)</li> <li>4.0mm ETT (&gt; 4kg)</li> </ul> </li> </ul>
CARDIAC COMPRESS* “✓”	<ul style="list-style-type: none"> <li>Indicate cardiac compressions with a checkmark</li> </ul>
MED or VOL. EXPANDER*	<ul style="list-style-type: none"> <li>Indicate the name of the drug or volume expander used for resuscitation</li> </ul>

### 3.0 Interventions *cont.*

Item	Description
NALOXONE*	<ul style="list-style-type: none"><li>Naloxone is indicated only in the presence of respiratory depression after positive-pressure ventilation has restored normal heart rate and colour, and when the mother has received narcotic analgesia within the past 4 hours (Kattwinkel, p 7-10)</li></ul>

### 4.0 Additional Comments

Item	Description
NOTES*	<ul style="list-style-type: none"><li>Record important information that occurred during resuscitation and stabilization not captured in the previous sections, including who performed invasive interventions, response to interventions and MECONIUM* management</li><li>Type of suctioning* (oropharyngeal or tracheal) and type/ amount of secretions</li><li>Procedures or diagnostic tests completed and results (if reported)</li><li>Point-of-care blood glucose testing</li><li>SURFACTANT* administration</li><li>ANTIBIOTIC* administration</li><li>Infant's condition post resuscitation</li><li>Transfer for post resuscitation/stabilization and ongoing care</li></ul>
<b>SIGNATURES</b>	<ul style="list-style-type: none"><li>Please note a signature at the bottom of the form indicates having read and concurred with all procedures and events documented</li></ul>
<b>CLOCK RECONCILIATION</b>	<ul style="list-style-type: none"><li>Note possible discrepancies between room clock and Apgar timer by recording the times displayed on each</li></ul>

### References

1. Kattwinkel, J. (2006). Textbook of Neonatal Resuscitation (5th Ed.). American Academy of Pediatrics, Evanston, Illinois.

#### Obtaining copies of the BC Newborn Resuscitation and Stabilization Record

- For sites wishing to order forms or to obtain ordering information, refer to the PSBC website link <http://www.perinatalervicesbc.ca/forms.htm>
- Contact Perinatal Services BC (PSBC) at 604.875.3737 regarding any feedback or questions about the perinatal forms

## Revision Committee

### Members of the Newborn Record Revision Committee:

Perinatal Services BC would like to acknowledge the committee who revised the BC Newborn Resuscitation and Stabilization Record. Committee members included:

Wilma Arruda	Pediatrician, Nanaimo
Vera Berard	Registered Midwife, MABC Representative
Debbie Cain	RRT Clinical Education Coordinator, BC Children's Hospital
Barbara Campbell	Clinical Nurse Educator, Nanaimo Regional General Hospital
Kim Campbell	Instructor, Division of Midwifery, CMBC Representative
Treena Cardiff	Program Head, Neonatal Nursing Specialty, BCIT
Anita Gauvin	Patient Care Coordinator NICU, Royal Inland Hospital
Lia Harris	Pediatrician, Vernon
Susan Heathcote	Corporate Risk Management, Provincial Health Services Authority
Carol Hird	Patient Services Coordinator, Lion's Gate Hospital
Taslin Janmohamed	Coordinator, Knowledge Translation, Perinatal Services BC
Ruth Kerr	Antepartum Coordinator, Family Birthing Unit, Surrey Memorial Hospital
Tammy MacDonald	Clinical Nurse Educator, Surrey Memorial Hospital
Les Matthews	RRT Educator, Thompson Rivers University
Debra O'Flaherty	Clinical Nurse Educator NICU, BC Women's Hospital
Lynn Popien	Regional Perinatal Education Coordinator, Interior Health Authority
Avash Singh	Neonatologist, BC Women's Hospital
Alfonso Solimano	Neonatologist, BC Women's Hospital
Viva Swanson	Nurse Clinician, Fort St. John's Hospital & Health Centre
Cherrie Tan-Dy	Neonatologist, Victoria General Hospital
Elene Vanderpas	Nurse Clinician NICU, BC Women's Hospital
VC Venkatesh	Neonatologist, Surrey Memorial Hospital
Karen Vida	Provincial Director, BC Perinatal Health Program
Brenda Wagner	Regional Physician Planning Leader, PHSA/VCH
Gina Webb	Clinical Nurse Educator, Lion's Gate Hospital
Marty Willms	Perinatal Lead, Interior Health Authority

**Notes**

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**Notes**

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