

PERINATAL SERVICES BC
A GUIDE FOR COMPLETION OF THE NICU ROUTINE SCREENING &
IMMUNIZATION CHECKLIST

GLOSSARY

BW	birth weight	kg	kilograms
GA	gestational age	mL	milliliters
HBIg	Hepatitis B Immune Globulin	mg	milligrams
HUS	head ultrasound	PVL	periventricular leukomalacia
IM	intra muscular	ROP	retinopathy of prematurity
IV	intravenous	SC	subcutaneous
IVH	intraventricular hemorrhage		

INTRODUCTION

The Perinatal Services BC NICU Screening & Immunization Checklist, modified with appreciation from the BCW NICU Checklist, is a tool developed for the summary of routine screening in the NICU setting. It is a tool to facilitate the communication and continuity of care between facilities and providers of care, and should become part of the discharge summary.

SECTION 1: Newborn Screening Blood Spot Card

Item	Description
All newborns	<ul style="list-style-type: none"> ▪ All newborns require a Newborn Screening Blood Spot Card at 24 – 48 hours of life. When the screening has been completed, initial the 'Done' box. ▪ This sample should be collected <i>prior</i> to any transfusions, even if the baby is not yet 24h of age.
BW < 1500g or "sick Newborn" at 24 – 48h**	<ul style="list-style-type: none"> ▪ Infants born < 1500g or sick as defined under the Levels of Service classification system of Level III+, require a second sample to be collected at 21 days of life. ▪ The 'yes' box is ticked if the infant fits the criteria for repeat screening. ▪ Day 21 is determined and entered in the 'Due' box. ▪ The date of the repeat sample is entered in the 'Done' box. ▪ Repeat screening should be done on any infant that requires it if being discharged <i>home</i> prior to 21 days.

SECTION 2: Hearing Screen

Item	Description
All newborns, pre-discharge	<ul style="list-style-type: none">All newborns require a hearing screen by a qualified audiologist prior to being discharged.The date the hearing screen is completed is entered in the 'Done' box.Indicate whether the newborn has passed by entering 'yes' or 'no'.The need for follow up is indicated by entering the recommended/intended due date and the date of completion.

SECTION 3: Head Ultrasound

Item	Description
BW \leq 1250g or GA < 29 wk	<ul style="list-style-type: none">Early HUS scans (within the 1st week of life) investigate the presence of IVH; late scans look for PVL.Enter the completed dates of the early HUS in the boxes titled 'Day 3 – 4' and 'Day 10 – 14'.The date of the late HUS scan is documented under 'Day 42' for the six week scan and 'Term or prior to discharge'.
BW 1250 – 1750g (IVH III/IV, PVL, ventricular dilatation)	<ul style="list-style-type: none">The dates of repeat HUS due to any previously abnormal findings are entered into the designated boxes.

SECTION 4: ROP Screen

Item	Description
Due date Date done	<ul style="list-style-type: none">Slight variations exist between sites, although the recommended practice is to have infants \leq 1250g screened for ROP.Due date and date of completion are entered here.
Follow-up required	<ul style="list-style-type: none">Additional boxes have been provided to accommodate recommendations for repeat screening.Recommended follow-up dates entered under 'Due' will serve as prompts to transfer sites in the event that the baby is transferred to another hospital.

SECTION 5: Immunizations

Item	Description
Due	<ul style="list-style-type: none">▪ Space for due dates have been provided along the top row of the 'Immunizations' section to serve as prompts for required immunization dates.▪ Actual date of administration is entered in the designated box.▪ Immunizations, dates, and dosages have been obtained from the BC CDC website.▪ Infants should be assessed for risk of RSV, indicating candidacy for Palivizumab in the areas provided. The option for 'possibly' has been provided to serve as prompt to reassess at a later time.

Obtaining copies of the NICU NBS Checklist

- Facilities may download and print the form (BCPHP 1598) from the web site link <http://www.bcphp.ca/sites/bcrpc/files/form/1598/1598RoutineScreenImmunizeChecklist.pdf>.
- Contact Perinatal Services BC at 604-875-3737 regarding any feedback or questions about any of the perinatal forms.

References

Lee SK, Normand C, McMillan D, Ohlsson A, Vincer M, Lyons C for the Canadian Neonatal Network. (2001). Evidence for changing guidelines for routine screening for retinopathy of prematurity. *Arch Pediatr Adolesc Med* 155, 387 – 395.