

Early-onset neonatal sepsis and meningitis (NSM)

CANADIAN PAEDIATRIC SURVEILLANCE PROGRAM

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REPORTING INFORMATION

(To be completed by the CPSP Senior Coordinator)

Report number: _____

Month of reporting: _____

Province: _____

Today's date: _____

**Please complete the following sections for the case identified above.
Confidentiality of information will be assured.**

CASE DEFINITION FOR EARLY-ONSET NEONATAL SEPSIS AND MENINGITIS

Report any neonate less than seven days of age presenting with one of the following:

- Positive blood culture*

AND/OR

- Positive cerebrospinal fluid (CSF) culture* from a lumbar puncture (LP)

Neonates with possible nosocomial infections should also be reported.

* Culture growth includes bacterial or fungal pathogens.

Exclusion criteria

- 1) Neonates who are asymptomatic with positive culture, such as coagulase-negative Staphylococcus, Diphtheroids, Corynebacterium spp., Bacillus spp., Propionibacterium spp., Aerococcus spp., Micrococcus spp.
- 2) Positive CSF from a drain, reservoir, shunt, or intracranial surgical procedure.

Month first seen _____

SECTION 1 – DEMOGRAPHIC INFORMATION

A) Neonate

1.1 Date of birth: ____ / ____ / ____ Time of birth: _____ 1.2 Sex: Male ___ Female ___
DD MM YYYY

B) Mother

1.3 Place of residence (province/territory): _____

1.4 Age at delivery (years): _____

1.5 Ethnicity (check all that apply):

Arab ___ Black ___ Chinese ___ Filipino ___ Japanese ___ Korean ___ Latin American ___
South Asian (e.g., Bangladeshi, Punjabi, Sri Lankan) ___ Southeast Asian (e.g., Vietnamese, Cambodian,
Malaysian, Laotian) ___ West Asian (e.g., Afghan, Assyrian, Iranian) ___ White ___
First Nations ___ Inuit ___ Métis ___ Other (specify) _____ Unknown ___

1.6 Gravida ___ Para ___ Abortions – Spontaneous: Yes ___ No ___ Unknown ___ Number(s) ___
– Therapeutic: Yes ___ No ___ Unknown ___ Number(s) ___

SECTION 2 – MATERNAL FACTORS PREDISPOSING TO NEWBORN INFECTIONS

2.1 Maternal GBS status: Positive ___ Negative ___ Unknown ___ Gestational age tested _____

Yes No Unknown

2.2 Maternal urinary tract infection during pregnancy: _____

If yes, specify GBS bacteriuria ___ Other, specify: _____

2.3 Prolonged rupture of membranes (PROM >18 hours prior to delivery) _____

If yes, specify duration of ROM: _____ hours

SECTION 5 – LABORATORY INVESTIGATIONS

5.1 Check all that apply. If a copy of the de-identified microbiology report is attached, this table does not need to be completed.

Culture	Date drawn DD / MM / YYYY	Date of first reported positive result DD / MM / YYYY	Organism(s)	Antibiotic resistance	
				Yes	No
Blood 1	___ / ___ / _____	___ / ___ / _____		___	___ (If yes, specify)
Blood 2	___ / ___ / _____	___ / ___ / _____		___	___ (If yes, specify)
CSF	___ / ___ / _____	___ / ___ / _____		___	___ (If yes, specify)
Urine	___ / ___ / _____	___ / ___ / _____		___	___ (If yes, specify)
Other	___ / ___ / _____	___ / ___ / _____		___	___ (If yes, specify)

5.2 Complete blood count at the time of presentation:

HB _____ HCT _____ WBC _____ Total neutrophils _____ Platelets _____

Smear _____

Are results compatible with disseminated intravascular coagulopathy (DIC)? Yes ___ No ___

5.3 Biochemistry at the time of presentation:

Serum sodium _____ BUN _____ Creatinine _____

Bilirubin _____ $\mu\text{mol/L}$ Conjugated bilirubin _____ $\mu\text{mol/L}$ Unconjugated bilirubin _____ $\mu\text{mol/L}$

SECTION 6 – TREATMENT AND OUTCOME

	Yes	No	Unknown
6.1 Transfusion	___	___	___
6.2 Intubation	___	___	___
6.3 Inotropes	___	___	___
6.4 Seizures	___	___	___
6.5 Still in hospital	___	___	___
If yes, total length of stay: _____ days/weeks			
6.6 Discharged home	___	___	___
6.7 Death	___	___	___
If yes, was the infection the cause?			
6.8 Neurological status at discharge: Normal ___ Unknown ___			
Hearing loss ___ Vision loss ___ Motor impairment ___ Seizures ___			

___ I agree to be contacted for further information.

___ I do not wish to be contacted for further information.

SECTION 7 – REPORTING PHYSICIAN

First name _____ Surname _____

Address _____

City _____ Province _____ Postal code _____

Telephone number _____ Fax number _____

E-mail _____ Date completed _____

Thank you for completing this form.

(NSM 2011-01)