

Survey

Neonatal Pulse Oximetry Screening

Neonatal Pulse Oximetry Screening (NPOS) can detect critical congenital heart disease (CHD), defined as lesions requiring surgical or catheter intervention in infancy. The purpose of this survey is to obtain information about Canadian paediatricians' perceptions of NPOS and the extent to which NPOS is utilized in Canada.

Your contribution is greatly appreciated.

1. Which of the following best describes your practice?

- General paediatrician Paediatric subspecialist; specify: _____

2. Do you provide care for newborns (0–28 days of life)? Yes No

If 'Yes', please continue. If 'No', we thank you for completing the survey.

3. What are the first 3 digits of your workplace postal code? ___ ___ ___

4. Where is your closest neonatal echocardiogram service located? in centre in my city in another city

5. Where is your closest available cardiology consultant located? in centre in my city in another city

6. Were you aware of Neonatal Pulse Oximetry Screening (NPOS) before this survey? Yes No

7. Are you aware of the American Academy of Pediatrics' protocol for NPOS? Yes No

8. Do you have a NPOS program at your centre? Yes No Unknown

If 'Yes', please continue to question 9. If 'No' or 'Unknown', please go to question 16.

9. How long has your NPOS program been in use? ___ years Unknown

10. Is your NPOS program part of a provincial program? Yes No Unknown

11. Where does your protocol check for oxygen saturation? foot only arm and foot Unknown

12. Who is consulted first with an abnormal result? Paediatrician Cardiologist Unknown

13. How many critical congenital heart disease (CHD) cases using NPOS have you diagnosed in the last 2 years?
_____ Unknown

14. How many **false positive** NPOS cases have you cared for in the last 2 years? _____ Unknown

15. How many **false negative** NPOS cases have you cared for in the last 2 years? _____ Unknown

Please go to question 19.

16. Is a NPOS program being developed at your centre? Yes No Unknown

17. Do you support developing a NPOS program at your centre? Yes No Undecided

18. What do you think are the centre's barriers to developing a NPOS program? **(Check all that apply.)**

- | | |
|---|--|
| <input type="checkbox"/> Belief that screening is not necessary | <input type="checkbox"/> Insufficient evidence for screening |
| <input type="checkbox"/> Insufficient pulse oximetry equipment | <input type="checkbox"/> Insufficient nursing resources |
| <input type="checkbox"/> Protocol is too complex | <input type="checkbox"/> Too difficult to obtain a timely echo |
| <input type="checkbox"/> Need for a Canadian Paediatric Society statement | <input type="checkbox"/> Concerns over false positives |
| <input type="checkbox"/> Other, specify: _____ | |

19. In the last 2 years, have you been involved in any cases of newborns with critical CHD who were missed by prenatal diagnosis AND/OR routine newborn exam? Yes No

If yes, provide an estimate of the number of cases: _____

If 'No', we thank you for completing this survey.

20. Were any cases diagnosed after neonatal discharge? Yes No Unknown

21. Did any cases require resuscitation (intubation and/or inotropes)? Yes No Unknown

22. Did any cases die before surgical/catheter intervention? Yes No Unknown

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Please return this survey with your monthly reporting form. Thank you for your participation.

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