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.)
    - Belief that screening is not necessary
    - Insufficient pulse oximetry equipment
    - Protocol is too complex
    - Need for a Canadian Paediatric Society statement
    - Other, specify: _________________________________
    - Insufficient evidence for screening
    - Insufficient nursing resources
    - Too difficult to obtain a timely echo
    - Concerns over false positives

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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