

CCHD Screening Newsletter 2017-5

October 12, 2017

CCHD Screening Update

With the implementation of CCHD screening well underway in many hospitals and midwifery practices across the province, this is a good time to look at how things are going so far.

SCREENING NUMBERS *(as of Sept 30th)*

- NSO has received 19239 CCHD screen results from 88 hospitals and midwifery practices in the province.
- More hospitals and midwifery practices are coming on board every week! The current organizations screening for CCHD and submitting results to NSO account for over 50 % of the deliveries in Ontario.
- Of the 19239 screening results received:
 - 97.2 % are a pass on the initial attempt (first screen)
 - 41 positive screens, including primary targets, secondary targets and false positives.

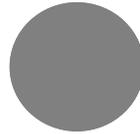
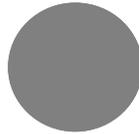
IMPLEMENTATION REMINDER

- Newborn screening began receiving CCHD results in February, 2017 and the number of screening hospital sites and midwifery practices has increased steadily since.
- The goal is to have all submitters screening by the end of 2017.
- If you have not been in touch with us about when you will begin to screen for CCHD by pulse oximetry as part of the provincial initiative, please do so as soon as possible by sending an email to nsocchd@cheo.on.ca.
- We will also be reaching out in the coming weeks to the organizations and midwifery practices not yet in contact with NSO regarding CCHD screening to offer assistance and support for implementation.

Equipment Recommendation Update

RECOMMENDATION FOR SCREENING SOFTWARE USE

- NSO does not recommend the use of Masimo's EVE software in conjunction with the Radical 7 pulse oximeter for CCHD Screening, as it is currently not consistent with the provincial CCHD screening algorithm in the calculation and reporting of SPO2 values. We have been in discussions with Masimo over the past several months, but at this point are not certain of the timelines for resolution.
- Until the software is updated, we suggest that you use your Radical 7 in "continuous monitoring" mode. Your staff will then be able to apply the NSO resources for screening including the CCHD Screening Algorithm and/or CCHD Screening Evaluation Chart. If you require any additional information or assistance with the screening process, please contact us by sending an email to nsocchd@cheo.on.ca.



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PROBES AND WRAPS

We recognize that there are operational costs involved in CCHD screening for your organization or midwifery practice. Newborn Screening Ontario will be reaching out in the next weeks with additional information around the plan for the replacement of consumables for ongoing CCHD screening (wraps, replacement probes).

DID YOU KNOW...

The most common error in interpretation of CCHD screening results that we receive:

R Hand: <u> 96 </u> %	<input checked="" type="checkbox"/> Pass
Foot: <u> 100 </u> %	<input type="checkbox"/> Repeat
Difference: <u> 4 </u> %	<input type="checkbox"/> Refer *

This result is often evaluated as 'PASS' when these values should be evaluated as '**REPEAT in one hour**'.

The criteria for a pass result is **one value over 95% and the difference between the two values is 3% or less**. In this example, although both of these values are over 95%, the difference between the two is **greater than 3%**. The correct interpretation for these numbers (if obtained as the first or second screen attempt) is **repeat in one hour**. If this repeat is not performed, the screen is incomplete and it may be necessary to recall the baby to complete the screen. Please ensure you use the NSO resources (CCHD Screening Algorithm and/or CCHD Screening Evaluation Chart) to assist you in evaluating the screening result accurately.

Many thanks for your continued support towards this initiative.

Newborn Screening Ontario, CCHD Screening Implementation Team