Infants with a previous ECHO or known CCHD diagnosis do not require screening.

**ASSESS INFANT’S OXYGEN REQUIREMENT DURING NICU STAY:**
- Infants not requiring supplemental oxygen and asymptomatic – screen at or after 24 hours of life.
- Infants requiring oxygen during NICU stay – screen 24 hours after weaning to room air (requiring no supplemental O2 or respiratory support).
- Infants going home on oxygen – consider ECHO if not already done during hospitalization.

*All NICU infants should be screened using these guidelines; if not previously screened, screen prior to discharge from the unit.*

**Michigan Algorithm for Pulse Oximetry Screening – NICU**

- **Pulse Oximetry Screen**
  - RH = right hand
  - F = either foot

**Positive Screen (Fail)**

- 95% or higher in RH or F and a difference of 3% or less between RH and F
  - Negative Screen (Pass)
- 90% - 94% in RH and F or a difference of 4% or higher between RH and F
- 89% or lower in RH or F
  - Positive Screen (Fail)

**Negative Screen (Pass)**

- 95% or higher in RH or F and a difference of 3% or less between RH and F
- Repeat screen in 1 hour*
  - Negative Screen (Pass)
- 90% - 94% in RH and F or a difference of 4% or higher between RH and F
- Repeat screen in 1 hour*
  - Positive Screen (Fail)
- 89% or lower in RH or F
  - Positive Screen (Fail)

**Refer for clinical assessment***

*Always consult your unit’s policy on physician notification.*

*Updated Nov 2013*