


Michigan Department of Health and Human Services

CCHD Screening for Newborn without Cardiovascular or Respiratory Distress  
 Interpretation of Pulse Oximetry Results

Oxygen Saturation

(O2 Sats; %)



Right Hand (RH)	Either Foot (F) 											
100	100	99	98	97	96	95	94	93	92	91	90	89% or lower
99	100	99	98	97	96	95	94	93	92	91	90	89% or lower
98	100	99	98	97	96	95	94	93	92	91	90	89% or lower
97	100	99	98	97	96	95	94	93	92	91	90	89% or lower
96	100	99	98	97	96	95	94	93	92	91	90	89% or lower
95	100	99	98	97	96	95	94	93	92	91	90	89% or lower
94	100	99	98	97	96	95	94	93	92	91	90	89% or lower
93	100	99	98	97	96	95	94	93	92	91	90	89% or lower
92	100	99	98	97	96	95	94	93	92	91	90	89% or lower
91	100	99	98	97	96	95	94	93	92	91	90	89% or lower
90	100	99	98	97	96	95	94	93	92	91	90	89% or lower
89% or lower	100	99	98	97	96	95	94	93	92	91	90	89% or lower

**Pass** 95% or higher in right hand (RH) or either foot (F) AND difference of 3% or less between RH and F.

**Rescreen** 90-94% in RH and F or difference of 4% or more between RH and F. Screen up to 3 times.

**Fail** 89% or lower in RH or F (at any time)  
 OR  
 3rd screen: 90-94% in RH and F or difference of 4% or more between RH and F.

Adapted from *Critical Congenital Heart Disease Screening with Pulse Oximetry in the Neonatal Intensive Care Unit*  
 Lakshminrusimha S., et. al., e-Journal of Neonatology Research 2012(2)2: 96-101.