

Pulse Oximetry Screening for Critical Congenital Heart Defects (CCHDs) in Newborns without Cardiovascular or Respiratory Distress

Interpretation of Pulse Oximetry Results



Oxygen Saturation (%)	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/Negative 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, 1 hr btwn each screen.

Fail/Positive 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.

Reference: Michigan Department of Community Health. Critical Congenital Heart Disease Newborn Screening Program. (2013). Pulse ox screening visual aid.
Retrieved from http://www.michigan.gov/documents/mdch/PO_Screen_Graphic_422859_7.pdf