



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

Interpretation of Pulse Oximetry Results

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

**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](http://www.michigan.gov/documents/mdch/PO_Screen_Graphic_422859_7.pdf)