Newborn Universal Pulse Oximetry Screening Algorithm

1PC.WC.0001.01

Newborn ≥35 weeks and > 24 hours of age

Measurement #1
Pulse OX on Right Hand and one foot after 24 hours of age

Fail
Pulse ox of 89% or less in either the Right Hand or foot
Action: Do not repeat screening, contact LIP (Licensed Independent Practitioner) for immediate evaluation

Retest
Pulse ox 90-94% in BOTH the Right Hand and foot OR a difference of >3% between the Right Hand and foot
Action: Repeat screening in 1 hour

PASS
Pulse ox of 95% or more in Right Hand or foot AND difference of 3% or less between the two
Action: Screening Complete

Measurement #2
Pulse OX on Right Hand and one foot 1 hour after measurement #1

FAIL
Pulse ox of 89% or less in either the Right Hand or foot
Action: Do not repeat screening, contact LIP for immediate evaluation

Retest
Pulse ox 90-94% in BOTH the Right Hand and foot OR a difference of >3% between the Right Hand and foot
Action: repeat screening in 1 hour

PASS
Pulse ox of 95% or more in Right Hand or foot AND difference of 3% or less between the two
Action: Screening Complete

Measurement #3
Pulse OX on Right Hand and one foot 1 hour after measurement #2

Fail
Pulse ox of 89% or less in either Right Hand or foot
Action: Do not repeat screening, contact LIP for immediate evaluation

Retest
Pulse ox of 90-94% in BOTH the Right Hand and foot OR a difference of >3% between the Right Hand and foot
Action: DO NOT repeat screening, contact LIP for immediate evaluation

Pass
Pulse ox 95% or more in Right Hand or foot AND difference of 3% or less between the two
Action: Screening Complete

IF highest saturation is:       Lowest saturation must be at least:

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Right Hand Application Sites

Foot Application Sites

For symptomatic newborns discontinue screening and notify provider immediately.