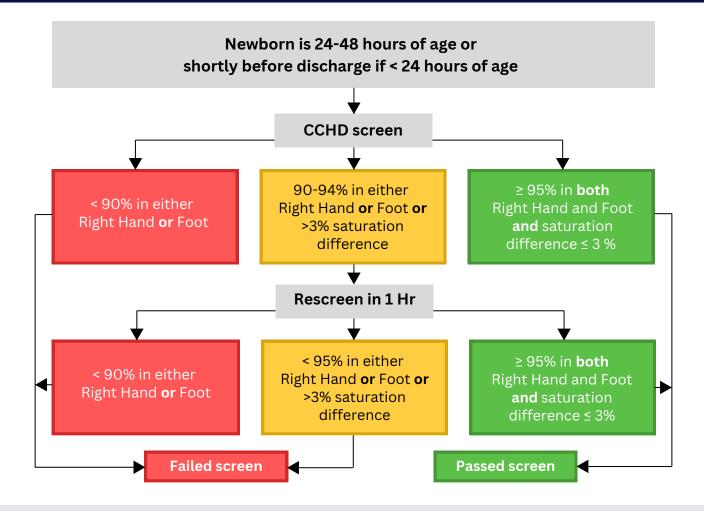
Critical Congenital Heart Disease (CCHD) screening:

Pulse Oximetry Protocol

Updated American Academy of Pediatrics (AAP) guidelines, January 2025





What has changed?

- The updated passing SpO2 saturation threshold is now ≥ 95% in both pre- and post-ductal measurements.
- Newborn should only be rescreened 1 time instead of 2 if they did not pass their first screen.
- Newborn should be weened off supplemental oxygen before screening.

Resources

American Academy of Pediatrics (AAP): Newborn Screening for Critical Congenital Heart Disease: A New Algorithm and Other Updated Recommendations (<u>Link</u>)

Center of Disease Control and Prevention (CDC): Clinical Screening and Diagnosis for Critical Congenital Heart Defects (<u>Link</u>)

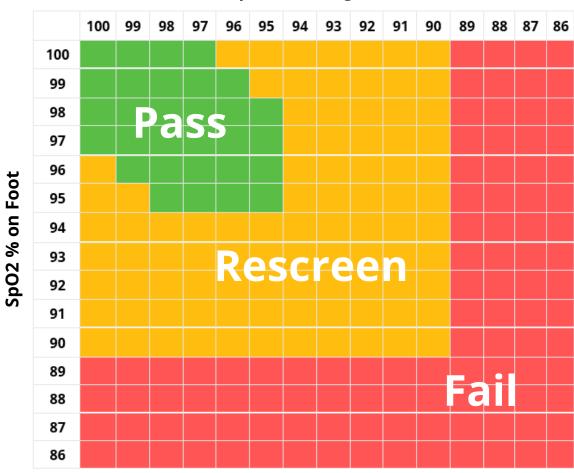


For more information about this updated protocol, critical congenital heart disease, screening, or reporting results visit:

familyhealth.utah.gov/cshcn/cchd



Table: Identifying newborns with > 3% difference between right hand and either foot



SpO2 % on Right Hand

Pass

A pass on CCHD screening does not exclude the presence of a cardiac disorder. If cardiac evaluation is indicated (e.g. clinical signs or Prenatal diagnosis of congenital heart disease), proceed with evaluation even if infant achieves pass on CCHD screening.

Rescreen

- Repeat pulse oximetry screen with new measurements in **one** hour
- If this is the 2nd screen proceed to fail

Fail

- Promptly **notify** the responsible medical practitioner of failed screen and need for further evaluation
- **Evaluate** for other causes of low saturation (e.g. infection, pulmonary, hypertension, or pneumonia)
- In the absence of a clear cause of hypoxemia, **obtain** echocardiogram and **consult** pediatric cardiology