

Pulse Oximetry Screening for Critical Congenital Heart Disease (CCHD)

Who to Screen

- ALL babies born in Wisconsin: Including
 - All babies with known CCHD - including babies on supplemental oxygen or PGE1
 - Babies born at home or in a birthing center

Who Not to Screen

- Babies who are on supplemental oxygen for lung disease
 - Photocopy newborn blood screening card before collecting newborn blood screen
 - Report "Not Screened" on Newborn Screen Blood Card
 - Perform pulse oximetry screening for CCHD when lung disease is resolved or before discharge if baby is going home on oxygen
 - Record results on photocopied newborn screening blood card and send to Wisconsin State Lab of Hygiene

When to Screen

- 24-48 Hours after birth or immediately prior to early discharge of a healthy term baby
- At the time of the Newborn Blood Screening

How to Screen

- Gather equipment and make sure baby is warm and comfortable
- Place pulse oximetry probe and wait at least 1 minute with good waveform
- Obtain reading from right hand and one foot
- Check "Pass", "Fail" or "Not Screened" on newborn screening blood card

FAILED SCREEN: Next Steps

- Contact infant's primary care provider
- A baby with oxygen saturation <90% requires immediate clinical assessment
- Stabilize infant as needed
- Evaluate for infectious and pulmonary causes for low saturations
- Arrange for an echocardiogram if no other cause for low saturations is found
- Refer to Pediatric Cardiology for clinical management of infant

