



Example of Admission Temperature Guidelines for Infants ≥ 35 weeks of Gestation



Preparatory Phase

- Ensure all equipment is ready per American Academy of Pediatrics Neonatal Resuscitation Program (NRP) guidelines
- Radiant warmer set at 100% (may be less if maternal fever present at time of delivery)
- Review maternal history
- Delivery room temp recommended 23-25°C (73.4-77.0°F)

Procedure | Term Infants

1 Follow NRP guidelines for resuscitation including immediate drying of infant

2 Place infant skin-to-skin with mother as appropriate

3 Obtain vital signs following NRP resuscitation, and every 30 minutes after birth for the first two hours of age

Initial temperature measurements can be axillary or rectal

Temperature reported for infants in mother-baby unit/newborn nursery should be taken between 20-60 minutes after birth

Temperature reported for NICU infants should be the first temperature taken upon admission to the NICU

If the axillary temperature does not correlate with clinical picture, a rectal temperature may be performed at clinician's discretion

If temperature is $<36.0^{\circ}\text{C}$ (96.8°F) or $>37.5^{\circ}\text{C}$ (99.5°F), rectal temperature should be obtained to verify core temperature

Infant with cold stress

36.0°C (96.8°F) to 36.4°C (97.5°F)

- Encourage skin-to-skin in a warm room
- If unable to do skin-to-skin, wrap infant in two warm blankets
- Place warm dry cap on infant's head
- If no improvement after 30 minutes, place under radiant warmer and notify provider

Infant with hypothermia

$<36.0^{\circ}\text{C}$ (96.8°F)

- Place under radiant warmer
- Place warm dry cap on infant's head
- Once temperature is improving and $>36.5^{\circ}\text{C}$ (97.7°F), transition out of radiant warmer back to skin-to-skin
- If under radiant warmer longer than 15 minutes, place covered temperature probe with servo set point at 36.5°C (97.7°F)
- If no improvement after 30 minutes, notify provider

Infant with Hyperthermia

$>37.5^{\circ}\text{C}$ (99.5°F)

- Turn off heat from radiant warmer, if being used
- Loosely wrap infant in one blanket
- Continue skin-to-skin
- If no improvement after 30 minutes, notify provider

These guidelines were developed in collaboration with the TCHMB NAT project workgroup members:

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