## AHA National CABSI Prevention Collaborative Action Plan

Performance Expectations	Considerations
Insertion	
	Insertion training source, including starils technique
<ol> <li>Dedicated team with demonstrated competencies for placement &amp; maintenance of central lines in NICU</li> </ol>	- Insertion training course, including sterile technique, hand hygiene, use of maximum sterile barrier
patients	precautions, proper skin disinfection
patients	-Educational competencies for all aspects of care
A Movimum starile berrier pressutions utilized	
2. Maximum sterile barrier precautions utilized	-Cover entire infant with sterile drapes or as much as
	affords safe observation.
	-Recommend staff wear face mask when within 3 feet
2. Chin disinfected with Chlerk swiding (CHC) or	of sterile field
<ol> <li>Skin disinfected with Chlorhexidine (CHG) or povidone iodine (PI)</li> </ol>	-Apply over 30 seconds & allow to dry (exception aqueous CHG)
4. All supplies required for the procedure should be	-Consider the development of PICC/central line
available at the bedside prior to catheter insertion	insertion carts
5. Hand hygiene standards met	
6. Insertion checklist utilized	-Standardize critical elements of line insertion
	-Ensure staff observers are skilled in monitoring
	elements of sterile technique.
7. Staff empowered to stop non-emergent procedure if	
sterile technique not followed	
Maintenance	Considerations
Assessment & Site Care	
1. Daily assessment and documentation of catheter	
need included as part of multidisciplinary rounds and	
review of daily goals	
2. Removal of catheters in place for nutritional	
purposes when infant reaches >120 ml/kg/day enteral	
nutrition	
3. Review dressing integrity and site cleanliness daily	No routine dressing changes, perform PRN using
	sterile technique and CHG or PI for skin antisepsis
Tubing, injection ports, catheter entry	
1. Use "closed" systems for infusion, blood draws &	-May use manufactured or improvised closed system.
medication administration	If stopcocks are used, port(s) are capped with
	swabable needleless connector(s).
	-Define consistent practice to be used when
	accessing catheters
2. Assemble and connect infusion tubing using aseptic	-Sterile technique ideally includes sterile barrier for
or sterile technique. Configure tubing consistently for	tubing assembly and wearing of face mask, hat, sterile
each type of arterial or venous access device.	gloves & 2 staff members performing connection to
	central catheter
	-Aseptic technique includes clean barrier for tubing
3. Scrub needleless connector using friction with either	assembly & wearing of clean gloves
alcohol or CHG/alcohol swab for at least 15 sec. prior	
to entry. Allow surface to dry prior to entry.	
4. Clean gloves for all device entries & hand hygiene	Standard precautions
utilized before & after glove use	
5. Use pre-filled, flush containing syringes wherever	-Higher risk of contamination when flush withdrawn
feasible	from another container by a nurse
6. Staff empowered to stop non-emergent procedure	
if sterile technique not followed	

-Posting days since last CABSI -Posting CABSI rates -Annotate CABSI rates with descriptions and dates of practice changes -Celebrations of successes
-Begin process within 24 hours of CABSI notification. -Review opportunities for system improvements after each event.
-Consider specialized team for dressing changes, catheter repair, catheter clearance of blockage
<ul> <li>One culture may be from a central line site if a second peripheral site is not feasible, taking into account circumstances such as vessel accessibility, pain and the infant's clinical status.</li> <li>The recommended neonatal culture volume is ≥ 1 ml</li> </ul>
<ul> <li>Recognized pathogens are those not named as common skin contaminants.</li> <li>Common skin contaminants: diphtheroids, Bacillus species, Propioni-bacterium species, coagulase-negative staphylococci including S. Epidermidis, viridans group streptococci, Aerococcus or Micrococci</li> <li>Fever: per the CDC's NHSN, the neonatal equivalents of &gt; 38 °C rectal are: (38 °C rectal/tympanic/temporal art 37 °C oral = 36 °C axillary)</li> <li>Hypotension is not defined further.</li> <li>Hypothermia: per the CDC's NHSN, the neonatal equivalents of &lt; 37 °C are: (37 °C rectal/tympanic/temporal artery = 36°C oral = 35°C axillary)</li> <li>However this collaborative does not believe the temperature equivalences specified by NHSN realistically reflect their neonatal populations' temperature data.</li> <li>Instead the collaborative recommends that axillary temperatures &lt; 36.0 °C (&lt; 96.8 °F)</li> <li>should be tentatively labeled as "hypothermia" and axillary temperatures &gt; 38.0 °C (&gt; 100.4 °F)</li> <li>should be tentatively labeled as fever. Because of the variability in axillary temperature readings, the presence of an elevated or hypothermic temperature will only be termed confirmed if there have been at least two consecutive abnormal axillary measurements or one abnormal axillary and one abnormal axillary and one abnormal axillary and one abnormal</li> </ul>

Adapted with gratitude from the CPQCC Bundle and PQCNC Action Plan