

Central Line Bundle

Inclusion: All patients 18 years of age and over who have a central venous catheter and who meet the following criteria:

1. Are located in an ICU or designated with ICU status
2. Central venous catheter was inserted while patient was in the ICU or on ICU status. This includes exchange of a central line over a guidewire.
3. A central venous catheter is a vascular access device that terminates at or close to the heart or one of the great vessels. Neither the location of the insertion site nor the type of device determines whether the line is a “central” line.

Exclusions: Patients less than 18 years of age at the time of admission to the ICU or ICU status, patients whose lines were placed outside the ICU, and patients whose line was inserted during cardiopulmonary resuscitation.

Sampling methodology: Minimum of 15 observations/audits per month. For facilities with fewer than 15 central venous catheters inserted in ICUs per month, 100% reporting is required.

Documentation: Documentation in the medical record and/or observational audits and/or specifically designed documentation record provided to data collectors (eg. Checklist for central line insertion sent to monitoring department.)

Reporting: Numerator - number of patients who meet the criteria; denominator - total number of patients audited.

<u>MEASURE</u>	<u>STANDARD FOR COLLECTION</u>	<u>CONTRAINDICATION</u>
Hand hygiene before catheter insertion	Documentation of use of hand hygiene by person performing procedure (handwashing or use of alcohol-based waterless hand cleaner).	
Maximal barrier precautions upon insertion	Documentation of use of precautions by person performing procedure. Includes non-sterile cap and mask, sterile gown and gloves and covering patient’s head and body with large sterile drape.	
Chlorhexidine skin antiseptis	Documentation of use of CHG.	Documentation of allergy to chlorhexidine.
Optimal catheter site selection	Documentation of reasons for site selection or clinical evidence supporting choice of site.*	
Daily assessment of catheter necessity	Use the same patient that the insertion measures were obtained from. The daily assessment component should be measured at greater than 24 hours after the line was placed.	

*Facility policies or guidelines may be helpful in determining clinical reasons for site selection.