The Other Central Line Bundle  
Jennifer McFarlane, RN, MSN, CNS  
Huntington Memorial Hospital  
Anne Dickinson

**Problem:** Catheter Associated Blood Stream Infections (CLABSI s) cause significant increases in morbidity, mortality and suffering. Berwick, et al. (2006) published an insertion bundle that eliminated 75% of the CLABSI s our ICU. Despite that gain, we struggled in our medical-surgical units. In 2010, we had 21 CLABSI s in the hospital and in 2011 there were 17.

**Evidence:** Baskin et al. (2009) identified occlusions as a source of infection, and suggests prompt resolution may decease CLABSI s. Guerin, et al (2010) published a post insertion care bundle that identified interventions to decrease CLABSI s.

**Strategy:** We combined interventions from the literature to create a bundle of interventions for bedside RNs to use. A series of educational posters and presentations were created to standardize nursing practice. A CNS rounded on units with high rates to support the practice change.

**Practice Change:** Daily review of continued need, 15 second scrub with alcohol wipe prior to all access, replacement of the cap if the line was sluggish, if unable to draw blood or unable to flush, prompt flush with correct volumes following intermittent use, prompt resolution of partial or complete occlusions, and prompt attention to dressings that were not completely intact.

**Evaluation:** Measure CLABSI s by Infection Control Professionals using the National Healthcare Safety Network criteria. Measure number of occlusions by number of doses of tPA.

**Results:** Treatment of occlusions increased as bedside RNs became more aware of the need for prompt resolution and the role it played in prevention of CLABSI. We experienced a rapid and profound decrease in the number of CLABSI s. In 2012 there were just four.

**Recommendations:** Adoption of “The Other Central Line Bundle” can help facilities decrease CLABSI s without major increases in expense.

**Lessons Learned:** Education alone does not change practice. Education in multiple formats and venues, with follow-up by champions has been effective in creating an 81% reduction in CLABSI s.

**Bibliography:**