Getting to 1000 Days of Zero NICU CLABSIs

The Problem
After 3 years of hard work we drove our CLABSI rate to 0/1000 Central Line Days and it has remained there for 15 months. We celebrated 2 years without a CLABSI on October 2, 2014. We are now 850+ days since out last CLABSI! Our next goal is to attain 1000 days CLABSI free.

- This is a good problem to have!
- How to keep staff engaged in sustaining this excellence in patient care and safety while continuing to find ways to improve

Aim/Goal
To achieve 1000 days without a CLABSI for the infants in our NICU

The Team
NICLIP: The NICU Central Line Infection Prevention Task Force
Rosanne Buck NP and Brenda Sheridan RN, Chairs
RNs: Radka Arnold, Susan Bryant, Sarah Farrell, Jen Harris,
NPs: Rachel Copertino, Mary Quinn, Laura Tannenbaum
MDs:Dmitry Dukhovny, Munish Gupta, Wendy Timpson
Pharmacy: Greg Dumas
Nursing Leadership: Jane Smallcomb, Kathy Tollond, Susan Young
Infection Control: Fatima Muriel, David Yassa MD
CVL CNS: Blanche Murphy
Radiology: Alicia Zaske
NICU RNs, Pharmacy Staff

The Interventions
Premixed Heparin Syringes, Fluid connectors, Digital Radiology Plate and Central Line series for x-rays to confirm final CVL placement were new in 2014

The Results/Progress to Date
As of 2/17/15 we have reached 868 days without a CLABSI. This was also achieved during a period of the highest ever NICU Census in July-August 2014 and > 2100 central line days for 2014.

Lessons Learned
Even when we have had the tremendous improvement in reducing our CLABSI rate, we have found additional ways to fine tune the process of care delivery surrounding central lines. By having all disciplines and stake holders focused on the process, more improvements have enhanced patient safety and staff workflow.

Next Steps/What Should Happen Next
- Continue to provide excellence in care of our NICU Central Lines with goals:
  - 1000 days without a CLABSI
- New securement process for umbilical central lines to enhance parental skin to skin holding
- Analyze central line utilization with initiation of Donor Human Milk Program

For more information, contact:
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