

Central Line Dressing Team



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BACKGROUND

Before the central line dressing (CVL) team implementation, overall CLABSIs were 11 from October 2022 to May 2023. Performance Improvement (PI), Infection Prevention (IP), and the 2 North Medicine and Progressive nurse manager conducted the CVL team pilot from June 2023 through July 2023 and October 2023 through November 2023.

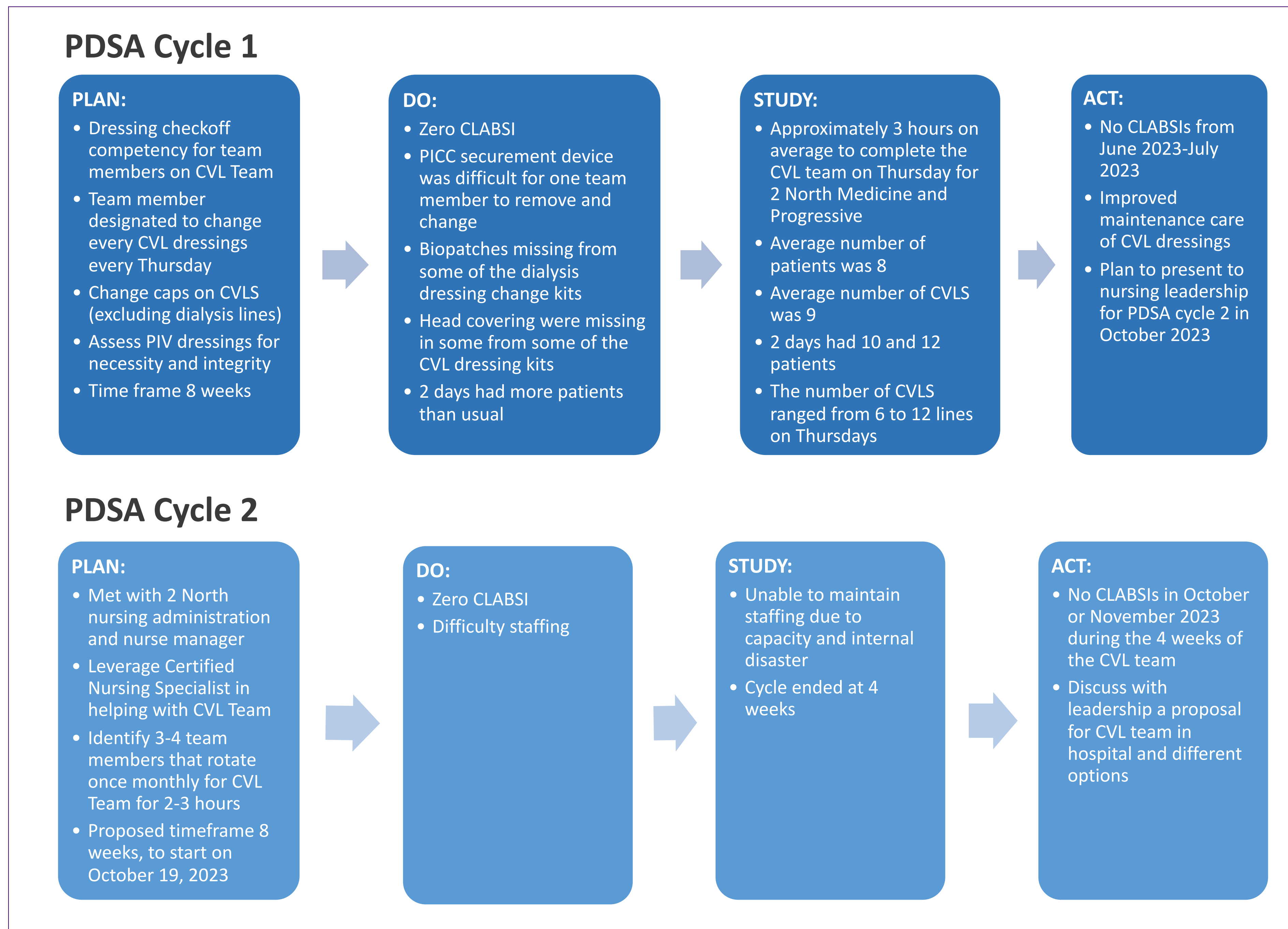
PROJECT AIM

To reduce central-line associated bloodstream infection (CLABSI) and encourage consistency in dressing and cap change compliance on 2 North Medicine and Progressive.

PROJECT DESIGN/STRATEGY

For PDSA Cycle 1, the 2 North Medicine and Progressive nurse manager scheduled a designated nurse for the CVL team every Thursday for 8 weeks to perform CVL and cap changes along with assessing peripheral intravascular catheter dressings and removing or changing if needed. The nurse would have assistance from charge nurses and PI and IP team if needed. PI and IP would collect feedback and the overall time it took to complete weekly. For PDSA Cycle 2, the 2 North Medicine and Progressive nurse manager scheduled 1 team member every Thursday for 8 weeks with the assistance of the Certified Nursing Specialist to perform CVL and cap changes along with assessing peripheral intravascular catheter dressings and removing or changing if needed.

CHANGES MADE (PDSA CYCLES)



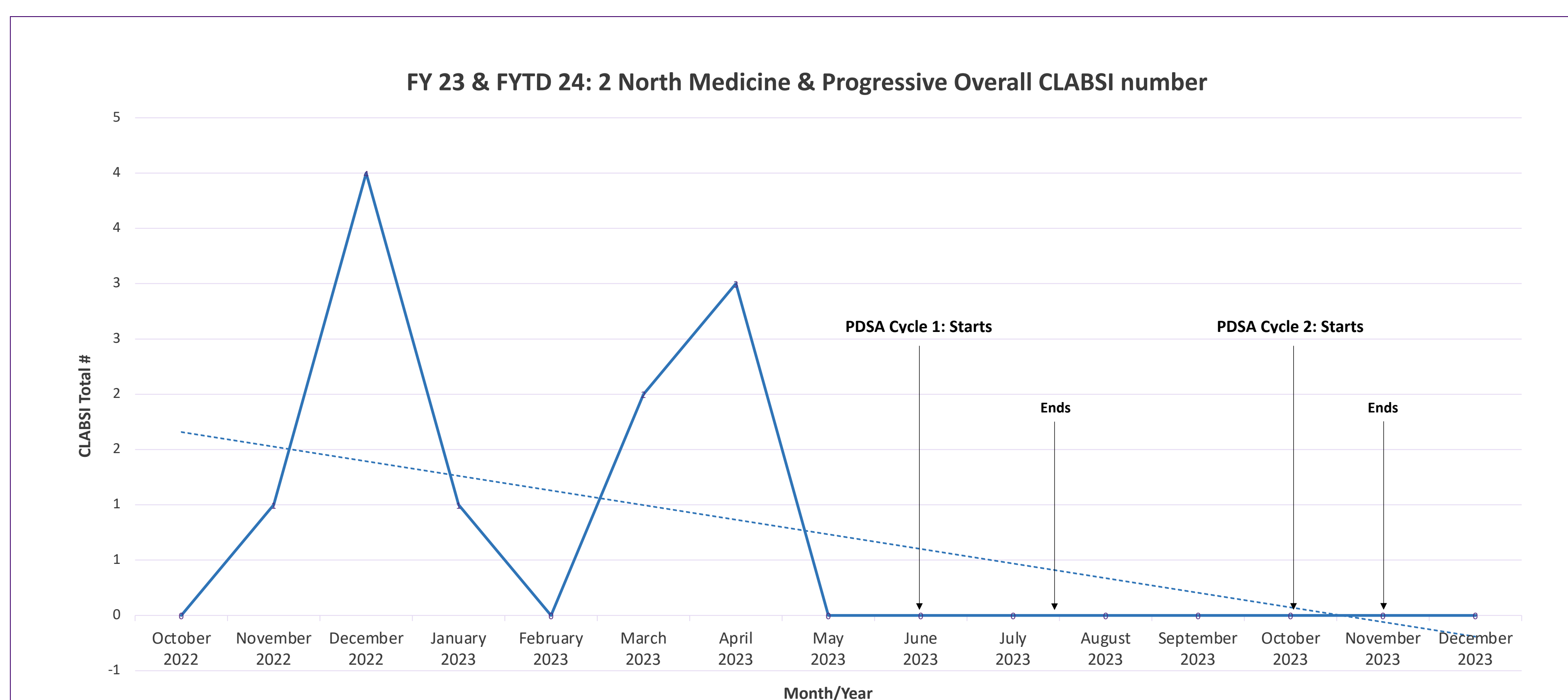
LESSONS LEARNED

Staffing was a barrier. During PDSA Cycle 2, we were at red capacity frequently with some increased capacity reaching internal disaster requiring staffing to be pulled into areas of need. PICC dressing changes were difficult due to the difficult manipulation of the securement device when removing and replacing and team members on the CVL team preferred to have another team member with them to assist during these changes.

NEXT STEPS

The CVL team proved to be successful, ensuring Zero CLABSIs during the PDSA Cycles 1 and 2. It ensured consistency in the performance of the CLABSI prevention maintenance bundle. A CVL team proposal is to be presented to leadership with different options of how a CVL team could be developed to prevent CLABSIs in other units. As of right now, the CVL team is a unit-specific project that can be implemented in instances where units have opportunities with CLABSIs as an offering in the For the Love of the Line project work.

RESULTS/OUTCOMES



The pilot demonstrated that it took approximately 3 hours for the team to complete dressing and cap changes. PDSA Cycle 2 was intended for 8 weeks; however, it ended at 4 weeks due to staffing concerns. During PDSA Cycles 1 and 2, there were no CLABSIs. It was determined that a CVL team would assist in the continued CLABSI reduction and could ensure compliance with CLABSI prevention bundles.

ACKNOWLEDGEMENTS

- 2 North Medicine & Progressive Team
- Previous CVL Team pilot units: SICU, SIU, and MONC

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