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Nurse Presentations Nursing

2-2020

Central Line Buzz

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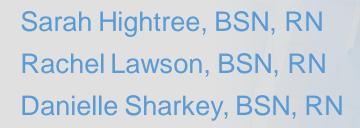
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Central Line Buzz

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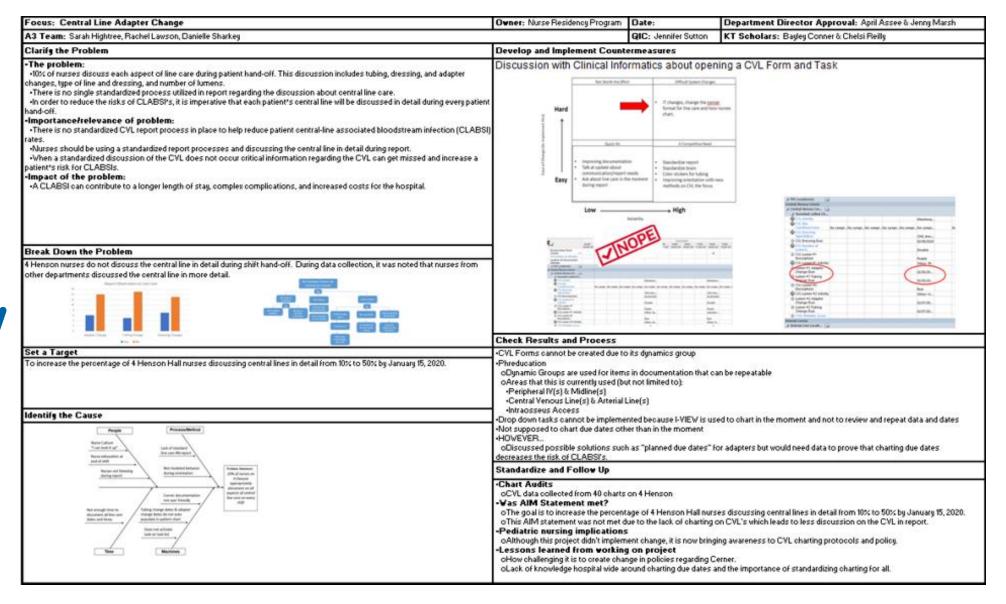
Thank you to the following...

Acknowledgements

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 - April Assee, MSN, RN, CPHON
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- KT Scholars:
 - Bayley Conner, BSN, RN
 - Chelsi Reilly, BSN, RN, CPHON
- QI Coordinator:
 - Jennifer Sutton, BSN, RN, CPHON



A3 Overview

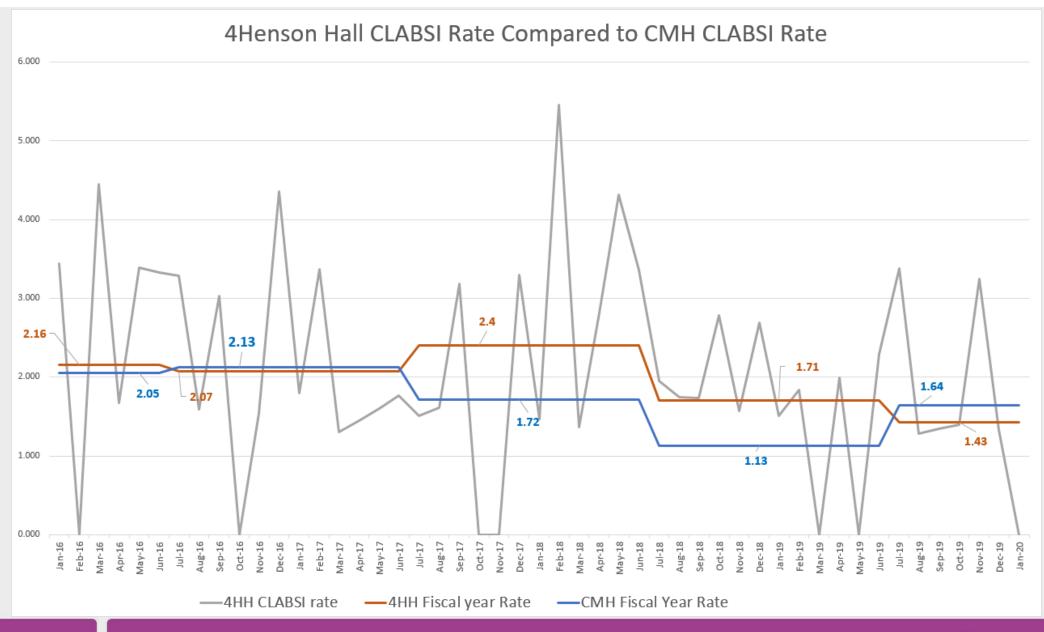


OVERVIEW

4 Henson Overview:

- Immunocompromised children undergoing chemotherapy
- Central Venous Lines:
 - Hickman, Porta-catheters (ports), PICC's
- CVL Cares:
 - CVL Dressing Changes q7days
 - Port Re-access q7days
 - Tubing Changes: q96hrs
 - Adapter Changes: q96hrs (for continuous infusions)





Previous Cohorts CLABSI Project



Central Venous Line Adapter Changes:

The problem:

On average, 49% of central line adapters do not have recorded expiration dates

- Contributing Factors:
 Central line adapter changes not being properly charted in the electronic medical record (EMR)
 CMH central line policy not being followed
 A general lack of knowledge regarding central line policy

Implementation:

- Created a flyer, educating nursing staff on how to create a nurse reminder task in Cerner.
- Manually added nurse reminder tasks for 'chart adapter change dates' for patients who have CVL

Outcome:

Average percentage dropped from 49% to 20.9% with implementation of education and creating a task for both day and night shifts.

Clarify the Problem

The problem:

- 30% of nurses discuss each aspect of line care during patient hand-off. This discussion includes tubing, dressing, and adapter changes, type of line and dressing, and number of lumens.
- There is no single standardized process utilized in report <u>regarding the discussion about central line</u> <u>care</u>.
- In order to reduce the risks of CLABSI's, it is imperative that each patient's central line will be discussed in detail during every patient hand-off.

CLARIFY THE PROBLEM

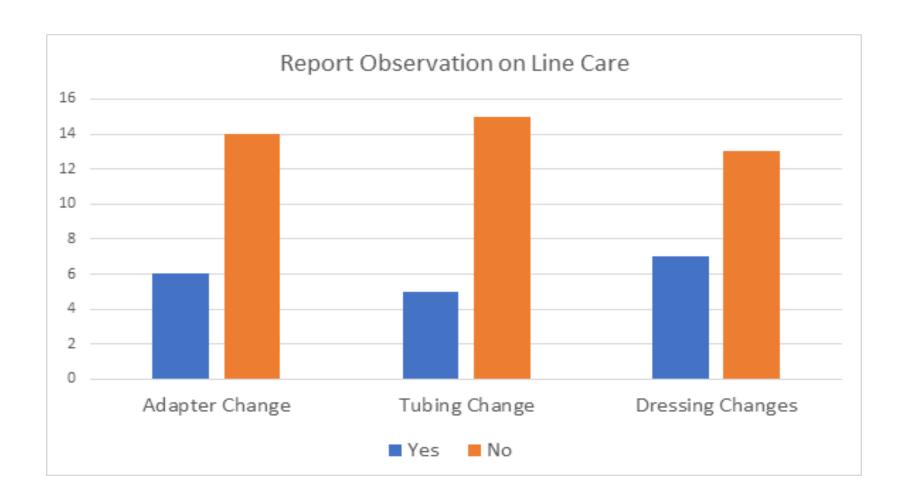
- Importance/relevance of problem:
 - There is no standardized CVL report process in place to help reduce patient central-line associated bloodstream infection (CLABSI) rates.
 - Nurses should be using a standardized report processes and discussing the central line in detail during report.
 - When a standardized discussion of the CVL does not occur critical information regarding the CVL can get missed and increase a patient's risk for CLABSIs.

CLARIFY THE PROBLEM

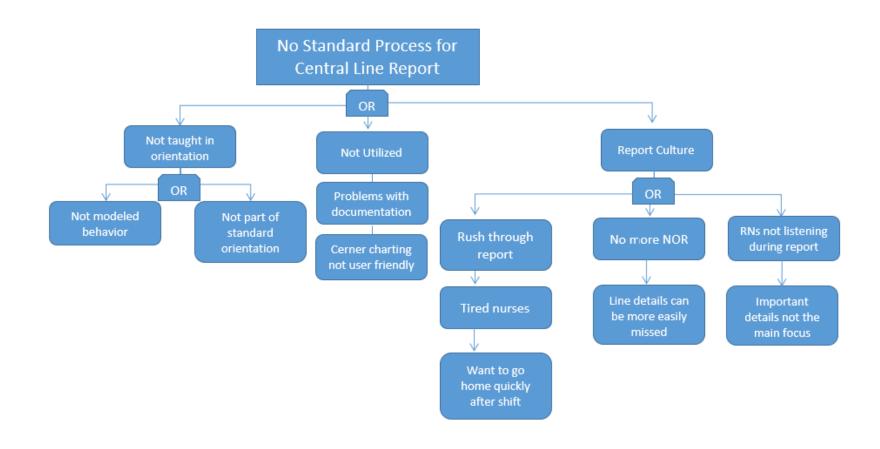
Impact of the problem:

 A CLABSI can contribute to a longer length of stay, complex complications, and increased costs for the hospital.

BREAKDOWN THE PROBLEM



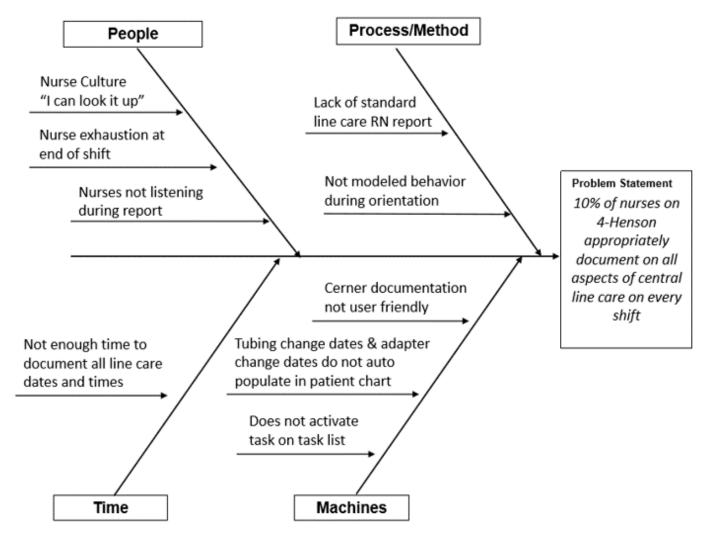
BREAKDOWN THE PROBLEM



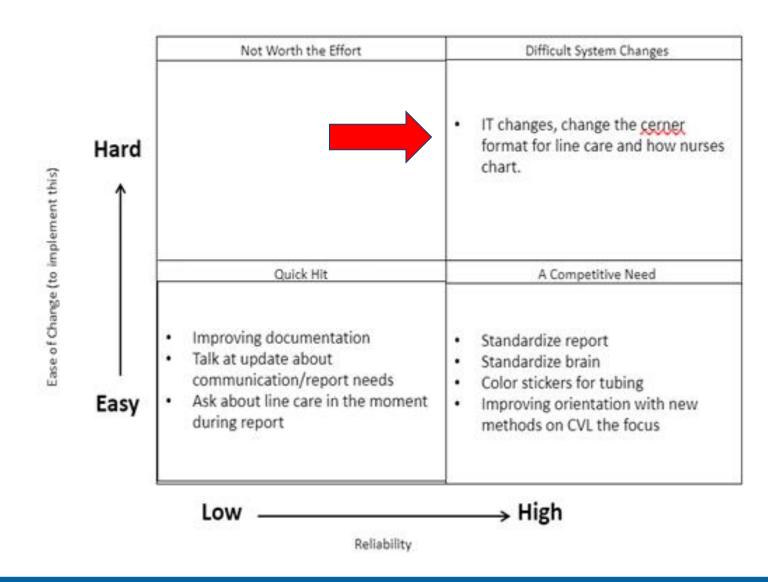
Set a Target

 Our goal is to increase the percentage of 4 Henson Hall nurses discussing central lines in detail from 30% to 50% by January 15, 2020.

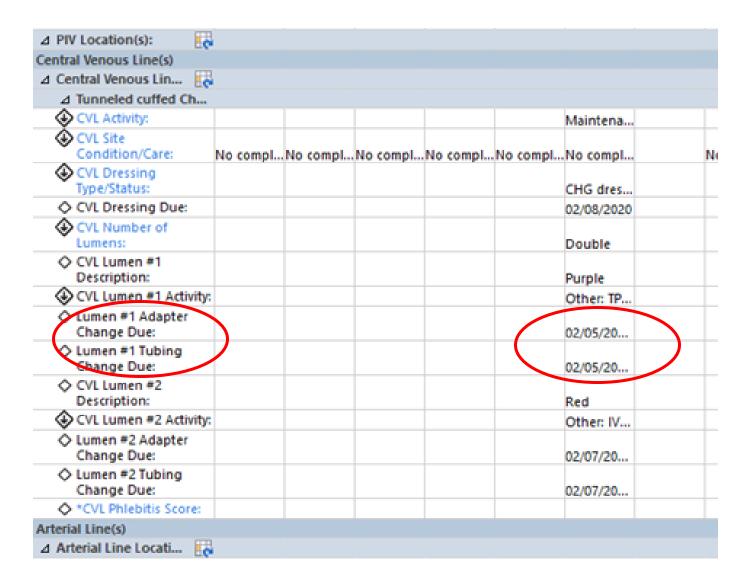
Identify Root Cause



Develop and Implement Countermeasures



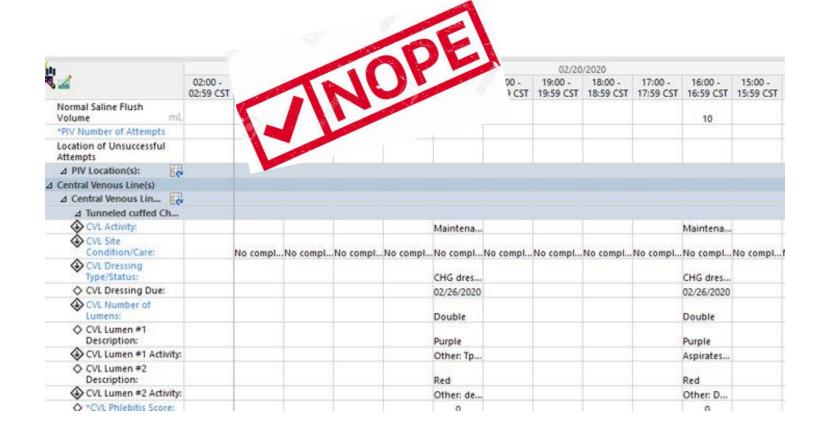
DEVELOPMENT & IMPLEMENTATION



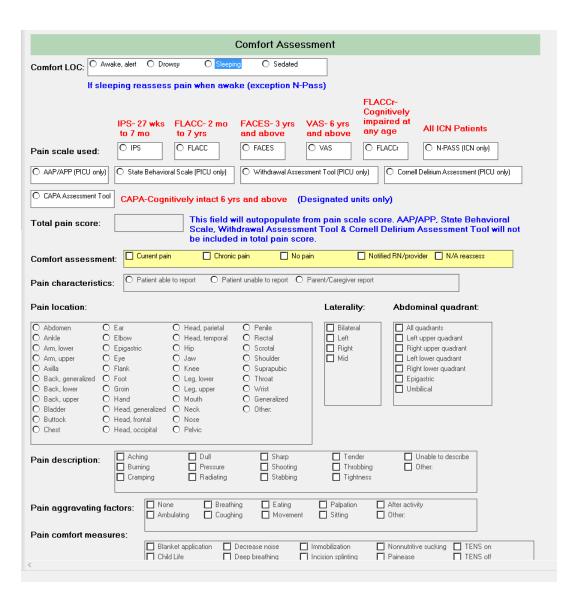


DEVELOPMENT & IMPLEMENTATION

No Adapter Dates



Development & Implementation



MEETING

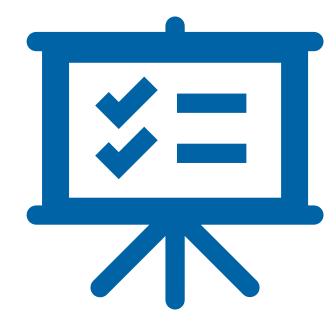
Clinical Informatics

When: December 19, 2019 at

1400-1500

Where: Children's Mercy

Why: Discussion about opening a CVL Form and Task



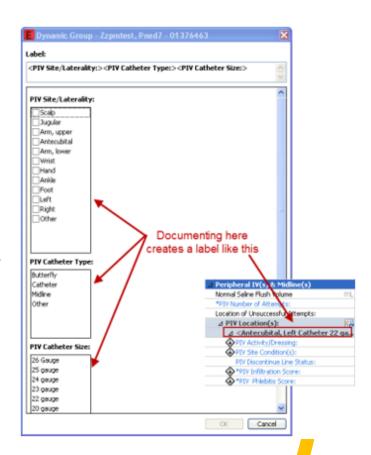
Check Results and Process

What we learned...

 CVL Forms cannot be created due to its dynamics group

Phreducation

- Dynamic Groups are used for items in documentation that can be repeatable
- Areas that this is currently used (but not limited to):
 - Peripheral IV(s) & Midline(s)
 - Central Venous Line(s) & Arterial Line(s)
 - Intraosseus Access



CHECK RESULTS and PROCESS

- Drop down tasks cannot be implemented because I-VIEW is used to chart in the moment and not to review and repeat data and dates
- Not supposed to chart due dates other than in the moment

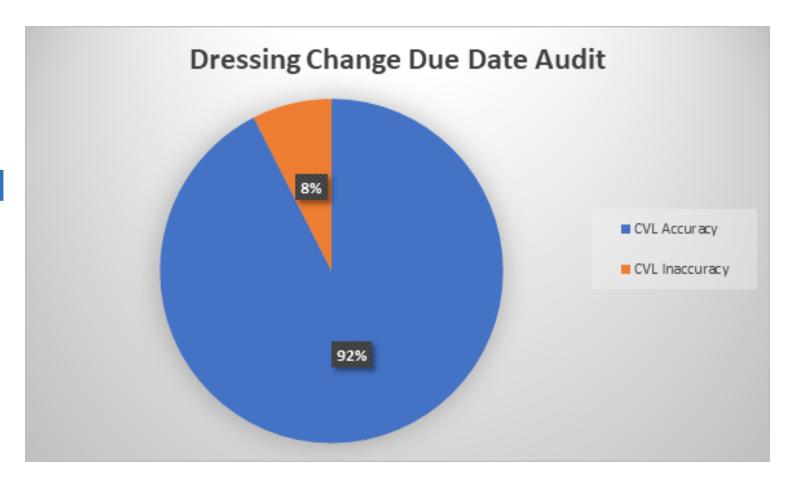
HOWEVER...

 Discussed possible solutions such as "planned due dates" for adapters but would need data to prove that charting due dates decreases the risk of CLABSI's.

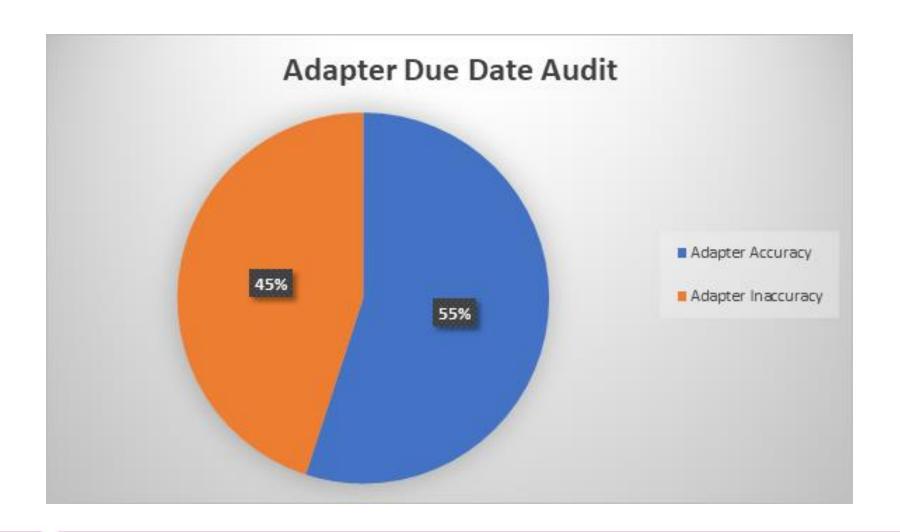
STANDARDIZE and FOLLOW UP

Chart Audits

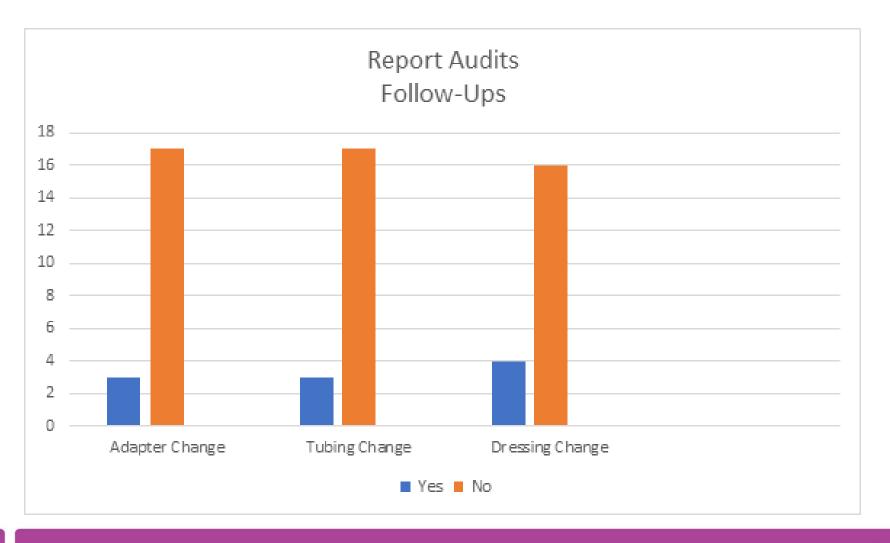
 CVL data collected from 40 charts on 4 Henson



STANDARDIZE and FOLLOW UP



STANDARDIZE and FOLLOW UP



Conclusion

Was AIM Statement met?

- Our goal is to increase the percentage of 4 Henson Hall nurses discussing central lines in detail from 30% to 50% by January 15, 2020.
 - This AIM statement was not met after it was found during follow-up report audits that the percentage of nurses not discussing vital CVL information during report went down from 30% to 16%.

CONCLUSION

- Pediatric nursing implications
- Though our project didn't implement change, we are bringing awareness to CVL charting protocols and policy.
- Lessons learned from working on project
 - Our meeting with IT gave us insight on how challenging it is to create change in policies regarding Cerner.
 - Lack of knowledge hospital wide around charting due dates and the importance of standardizing charting for all.



References

- Central Line Care, (January, 2018), *CMH Patient Care Services Standards Manual*.

 Children's Mercy Hospital, Kansas City,
 Missouri.
- Morrison, T. L., Laney, C., Foglesong, J., & Brennaman, L. (2016). Color-coded labels cued nurses to adhere to central line connector change. *Clinical Nurse Specialist*, 30(2), 106-109.



