

Breaking the Streak: Strengthening CLABSI Prevention in Dandenong ICU

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Acknowledgement of Country

Monash Health respectfully acknowledges the Bunurong and Wurundjeri Woi-wurrung peoples, the Traditional Custodians and owners of the lands where our facilities are located and programs operate.

We recognise the ongoing spiritual link Aboriginal people have to their lands, culture and lore; and acknowledge that their connections build healthier families and communities. Monash Health pays respect to the Elders of the Wurundjeri Woi-wurrung and Bunurong peoples; past, present and future. We extend our respect to our Aboriginal and Torres Strait Islander employees, consumers and stakeholders.



Ngarra-jarra-noun artwork by Dixon Patten



Disclosure

I have no financial interests or relationships to disclose.



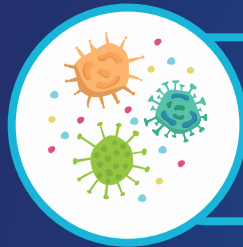
Background

CLABSI Review – ICU, Monash Health Dandenong

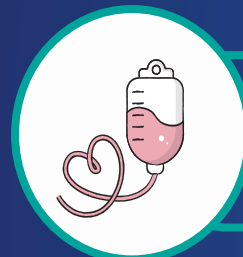




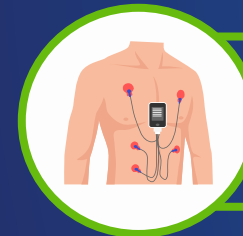
What is Central Line-Associated Bloodstream Infection (CLABSI)



What it is: infection from bacteria/fungi via a **central line**



Types of Lines: CVC, PICC, Tunneled or umbilical



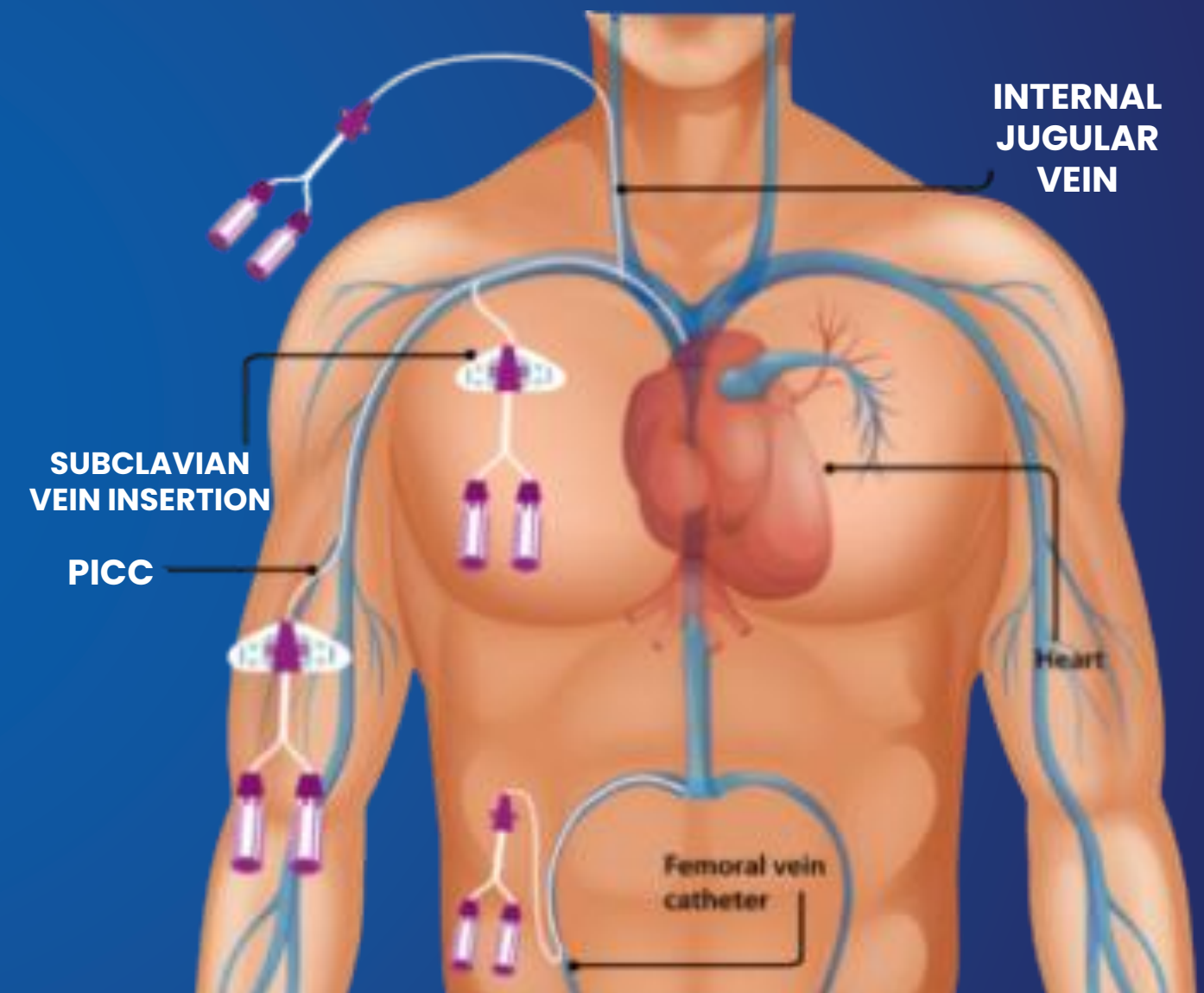
Vessels Monitored: Aorta, vena cava, jugular, subclavian, femoral



Timing: Must be met within 7 days



Detection: Organism present + central line on **event day or day before**

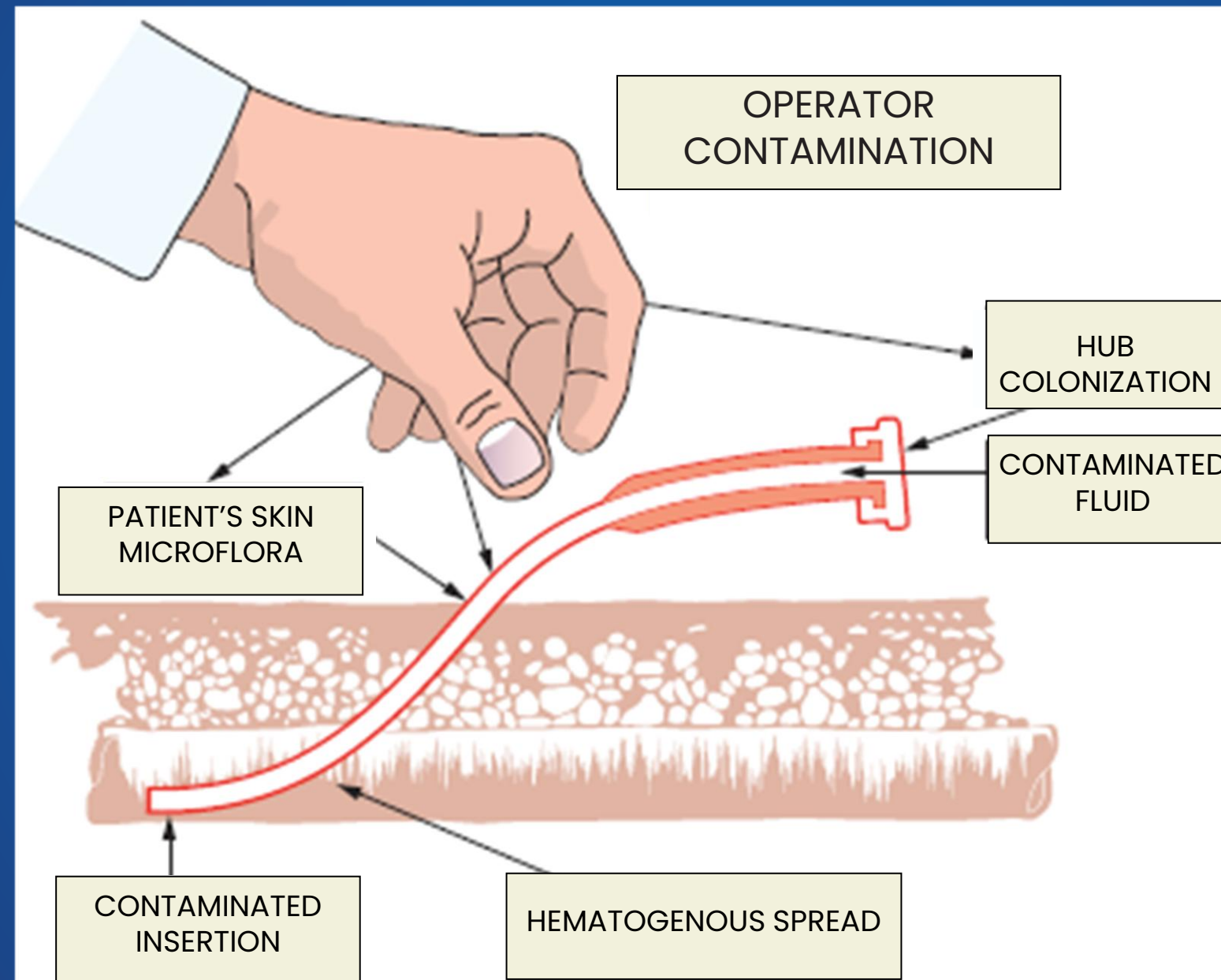


From: Central Venous Catheter Insertion
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Kolikof, J., Peterson, K., Williams, C., & Baker, A. M. (n.d.). [Figure, Central Venous Catheterization Body Access. . .] - StatPearls - NCBI Bookshelf. <https://www.ncbi.nlm.nih.gov/books/NBK557798/figure/article-19149.image.f5/>



Mechanism of Infection



Source: Jesse B. Hall, Gregory A. Schmidt, John P. Kress: *Principles of Critical Care*, 4th Edition: www.accessmedicine.com
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Why CLABSI Surveillance Matters?





The Trigger



5

JULY-DECEMBER 2024

CLABSI Cases identified

**PATIENTS
INFECTIONS**



**TRIGGERED PRACTICE
REVIEW**

2

YEARS

CLABSI-FREE

RECORD MAINTAINED





Objectives



**Zero CLABSI
incidence**



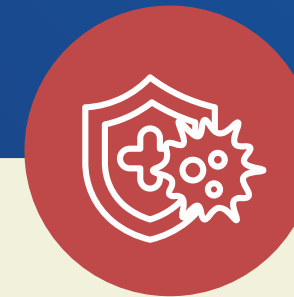
**Improve compliance
with Infection
prevention
procedures**



**Enhance staff
education and
engagement**



**Establish
sustainable
monitoring systems**



**Achieve and
maintain zero
CLABSI cases**



Problem Identification

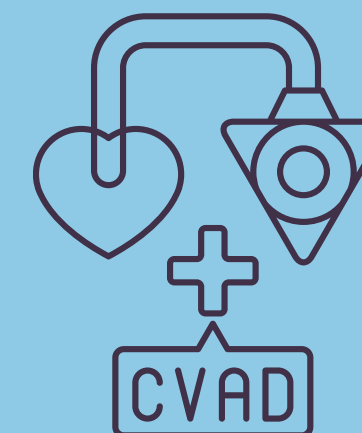
KEY ISSUES IDENTIFIED



**Hand
hygiene
compliance**



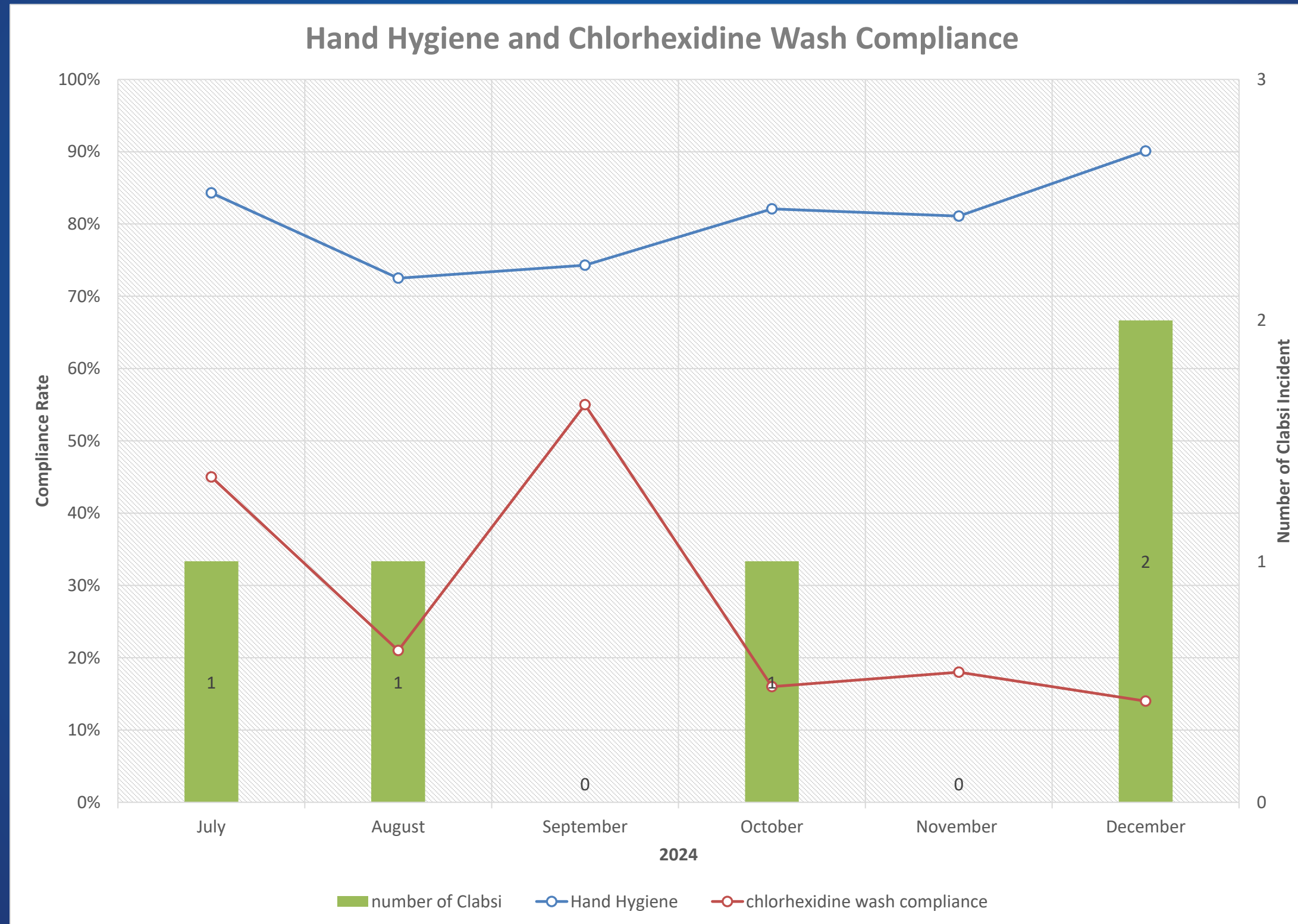
**CHG Daily
Wash**



**CVAD
maintenance
protocols**

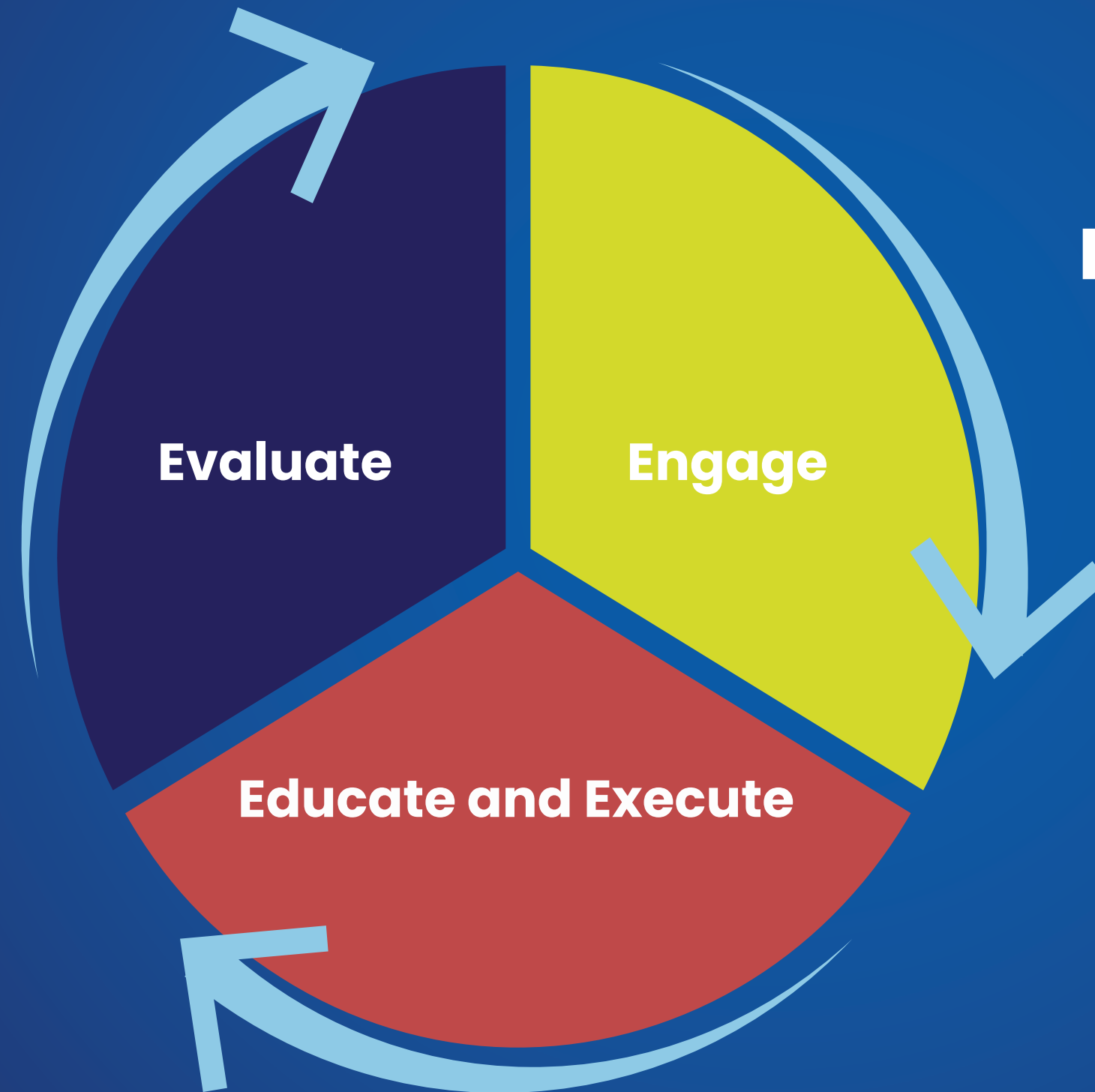


Problem Identification





Actions Taken



**Multidisciplinary
Approach**



Educate and Execute

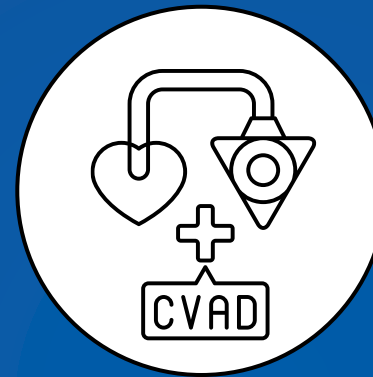
HAND HYGIENE



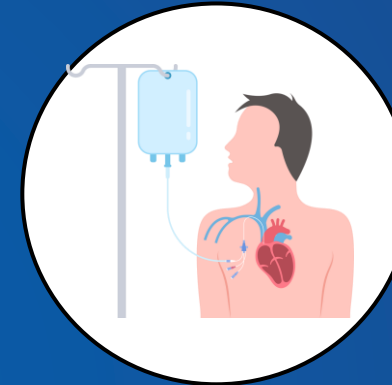
ASEPTIC
TECHNIQUE



CVAD INSERTION
KIT



APPROPRIATE SITE



CHG DRESSING



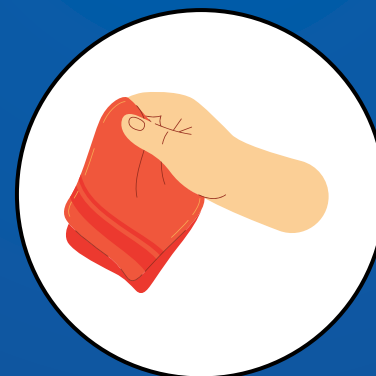
SCRUB THE HUB



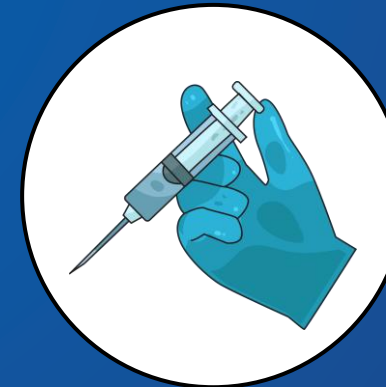
CHG DAILY WASH



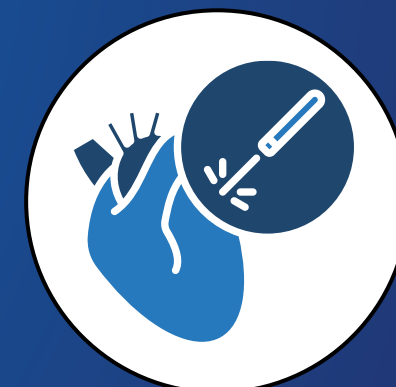
DRESSING CHANGES



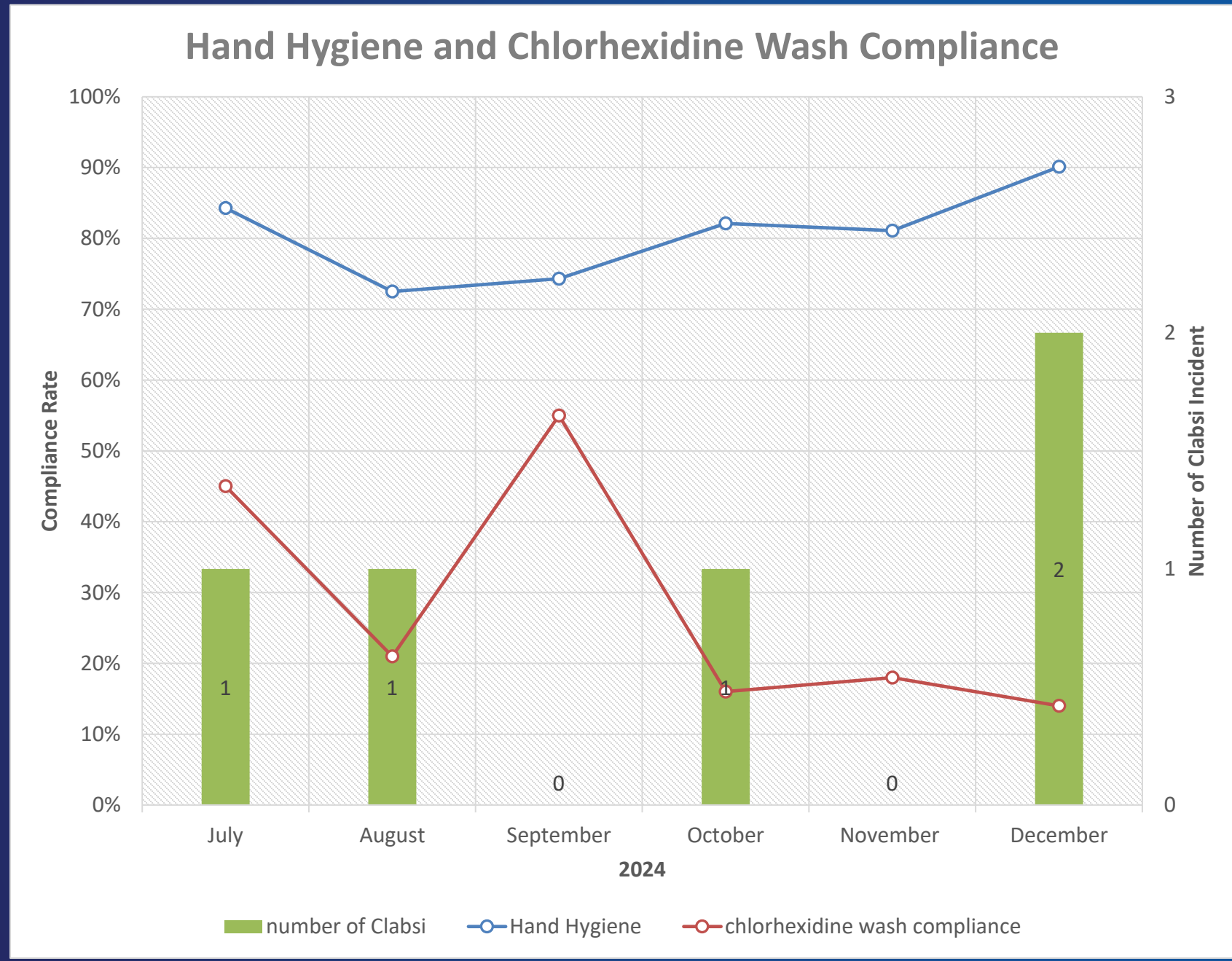
FLUSHING



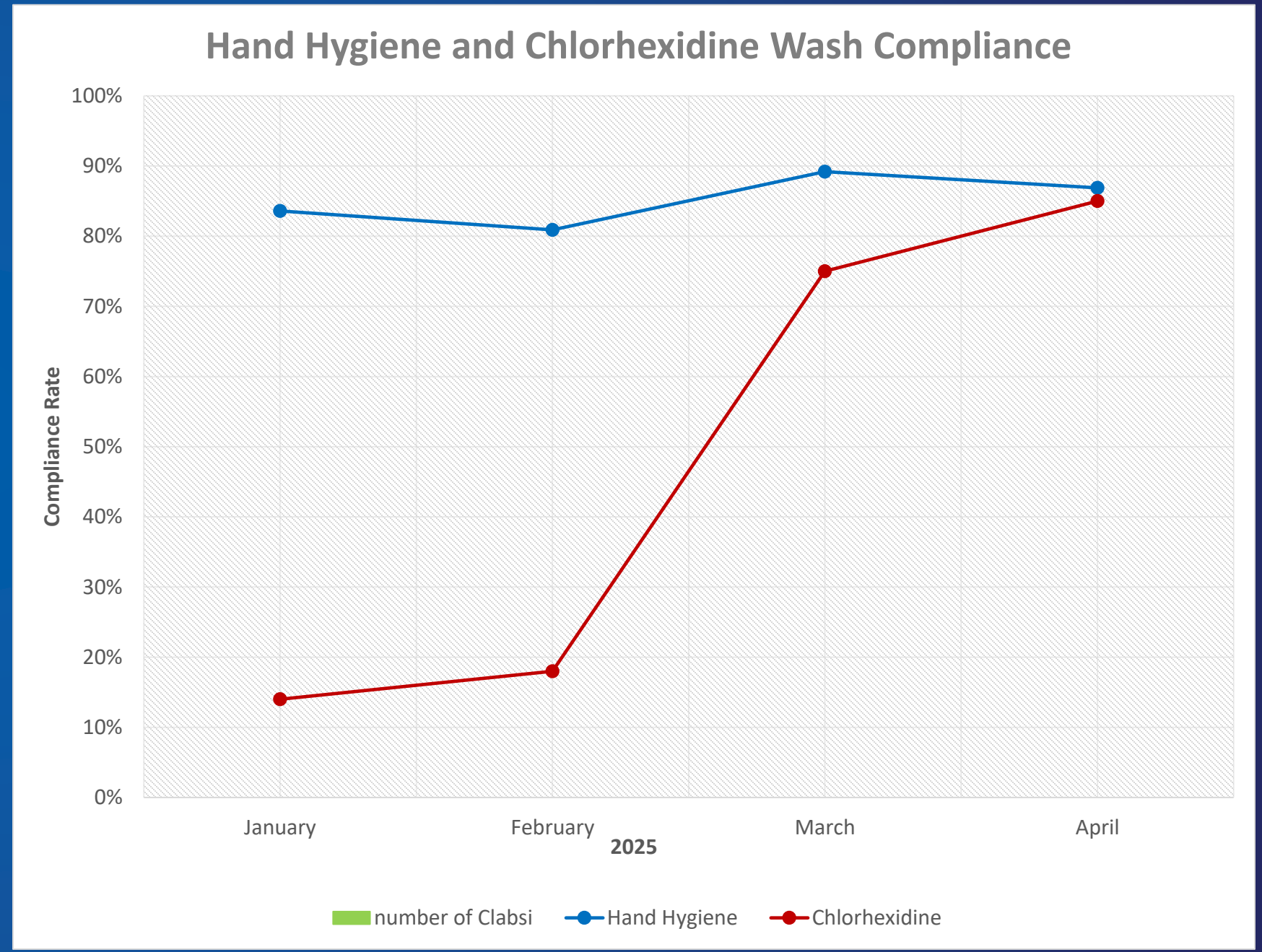
PROMPT REMOVAL



Results / Evaluation



Before



After

Conclusion

Policies don't prevent infections. PEOPLE DO.

Future Directions

Sustainability through:



Continued Education



Regular Audits



Staff engagement strategies



Goal: Long-term CLABSI Prevention

MonashHealth Dandenong Hospital

Acknowledgement

- Dandenong ICU Team
- Dr. Christopher Robson, Infection Prevention Medical Advisor
- Rebecca McNamara, Infection Prevention Dandenong Site Lead, Monash Health
- Monash Health Infection Prevention team
- Prof. Rhonda Stuart, Director of Public Health and Infection Prevention, Monash Health, VIC

Thank you!