Clean Hands Club: Don’t Get Caught Germy Handed

CHS Pineville- 2 West
Background

• Hospital-acquired infections (HAIs) are linked to preventable deaths.
• HAIs have high financial cost.
• HAIs are attributed to poor hand hygiene.
• Central Line-Associated Blood Stream Infections (CLABSI)
  and Catheter-Associated Urinary Tract Infections (CAUTI)
  are two main HAIs.

(Fox et al, 2015)
2W Population and Previous Data

- Population
- 2015-2017 1st Quarter Data

- Increase in CLABSIs and CAUTIs compromises patient care and safety.
Developing an Intervention

- Collaboration of 2 West leadership, 2 West UBC, and Pineville Infection Prevention Team
- Research article
  - Patient Hand Hygiene Protocol (PHHP)
  - 2% Chlorhexidine Gluconate (CHG) wipes utilized
- Innovative for 2 West
  - PHHP is usually overlooked as a preventative measure for HAIs.
Goals

- **Objective:** Decrease the unit’s CLABSI and CAUTI rate
- **Aim:** Having a PHHP, utilizing CHG, at standardized times as a method to reduce the risk of HAIs among patients with central lines and Foley catheters.
- **Target:**
  - CAUTI - to have less than 3 in 2017
  - CLABSI - to maintain at Zero in 2017
**Improvement Process**

- **PDSA Methodology**
- **Go live was May 7, 2017**
- **Education**
- **The PHHP**
  - CHG foam
  - Applied 3 times per day: 0800, 1400, 2000
  - CHG Allergy or contraindication
  - Dryness
  - Documentation
Improvement Process

- Patient Education
- Huddle Metrics/Audits
- Sustaining

**WELCOME to the CLEAN HANDS CLUB!**

**What Is It?**
- It is a program that involves all patients with central lines and Foley Catheters.
- It involves our staff helping you wash your hands with Hibiclens three times a day (8am, 2pm, and 8pm).

**What is Hibiclens?**
- It is Chlorhexidine (CHG) solution
- It attaches to your skin and keeps killing germs even after you rinse it off

**Why Should I do This?**
- Germs on your hands is the most common cause of infection
- This program is to decrease your risk of getting an infection

**What if I am Allergic to Chlorhexidine?**
- Please let your nurse know so that other options are available to you
- Please let your nurse know if you start itching on your hands or develop dry hands.

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**Daily Metric Performance Tracking**

- **Metric:** Patient Hand Hygiene Documentation
- **Goal:** <4/week
- **Importance:** Patient Hand Hygiene with CHG solution has been shown to decrease CLABS and CAUTIs if done 4x/day. A daily audit will be done to ensure hand hygiene has been documented at 8am, 2pm, and 8pm for patients with central lines and Foley catheters.

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**Huddle Audits**

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**Just Keep Handwashing!**

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**9th Annual Quality & Patient Experience Sharing Day**

**QUEST FOR THE BEST**

**Atrium Health**
CLABSI Results

PHHP was initiated.
CAUTI Results

PHHP was initiated.
Other Results

Hospital Onset C. diff.

PHHP was initiated.
Nursing Staff Hand Hygiene Compliance

PHHP was initiated.
Conclusion

- Meeting Unit Goals
- Cost Benefit Analysis
  - CLABSIs: $17,000 (HIIN Data, 2018)
  - CAUTIs: $1,000 (HIIN Data, 2018)
  - 2 West Totals in 2016:
    - CLABSIs= ~$102,000
    - CAUTIs= ~$4,000
  - 16 oz. pump bottle of Hibiclens: $6.05
- Relation to the Mission
- Recommendations
Reference