

Reducing MRSA and Healthcare Associated Infections

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Lifebridge Critical Care

The Scourge of MDROs

- Methicillin Resistant Staph aureus (MRSA)
- Healthcare Associated Infections (HAI)
- Central Line Blood Stream Infections (CLABSI)
- Surgical Site Infections (SSI)
- Ventilator Associated Pneumonia (VAP)

Healthcare Associated Infections

- A Leading Cause of Preventable Illness and Death
- 1 in 31 Hospitalized Patients
- 70,000 Deaths per year
- ↑ LOS, ↑ Cost, ↑ Morbidity/ Mortality

Targeted Screening & Isolation



Contact Precautions

- Effective?
- Longer LOS
- ↓ Healthcare worker interaction
- ↑ Falls and pressure ulcers
- Negative Psychological effects
- Worse Patient Satisfaction Scores
- Higher 30-day Readmission Rates

Decolonization

- Chlorhexidine gluconate (CHG) bathing

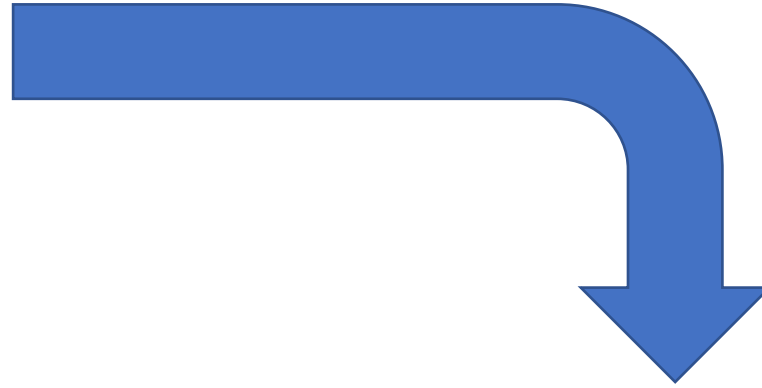


Nasal Decolonization

- ~~Mupirocin~~
- ~~Povidone Iodine~~
- Alcohol-based sanitizer

Strategy

~~MRSA Screening
Contact Precautions
Targeted decolonization~~



Universal Decolonization

CHG bathing qday

+

Nasal sanitizer BID
(alcohol-based)

Results

- Eliminate Contact Precautions
- Decrease Isolation days
- Decrease SSI 50-81%
- Decrease MRSA bacteremia (up to 100%)
- Saved \$\$

Keys to Success

- No isolation MRSA colonized
- Universal decolonization
- Hand Hygiene
- CHG bathing daily + alcohol-based nasal sanitizer BID

Citations

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