Benefits of Universal Gowning and Gloving – BUGG Study
BUGG Study Time Line

October 2010 - Inquiry

January – June 2011 IRB Approval

August 2011 - Begin Obtaining Cultures

December 2011 – Randomization

January thru October 2012 - G&G
BUGG Study - Sponsorship

Agency for Healthcare Research and Quality (AHRQ), CDC, The Joint Commission

Collaborative team of investigators – University of MD
BUGG Study - Background

1. This is only the third multi-ICU randomized trial infection control study EVER

2. Studying the effect of Universal Glove and Gowning on Antimicrobial Resistant Bacteria transmission and HAI rates

3. 20 hospitals across the country (10 control – 10 Interventional )

4. Understand the best way to prevent infections in ICU patients
Why this study is necessary?

- Healthcare associated infections are important in the ICU
- Universal Gowning and Gloving may help
- Some hospitals believe gowning and gloving will have unintended consequences
- Need for conclusive study
Gowns and gloves are required for every patient room entry.

If you have questions, ask a nurse.
Monitors

- Hand Hygiene Compliance
- Gowning and Gloving Compliance
- Admission and Discharge Cultures
- Chart Review
- Trigger Tool – Adverse Events
Compliance Rates

BUGG Gown and Glove and Hand Hygiene Compliance Rates

JANUARY: 81.22% INTERVENTION GOWN AND GLOVE COMPLIANCE
FEBRUARY: 77.36% CONTROL SITE GOWN AND GLOVE COMPLIANCE
MARCH: 74.47% INTERVENTION GOWN AND GLOVE COMPLIANCE
MARCH: 81.97% CONTROL SITE GOWN AND GLOVE COMPLIANCE
APRIL: 85.29% HAND HYGIENE EXIT COMPLIANCE
MAY: 83.65% HAND HYGIENE EXIT COMPLIANCE
MAY: 69.72% HAND HYGIENE EXIT COMPLIANCE
BUGG Study Admission and Discharge Swab Compliance

- Admission Compliance: 63% (Sep), 88% (Oct), 95% (Jan), 96% (Feb), 90% (Mar), 90% (Apr)
- Discharge Compliance: 85% (Jan), 88% (Feb), 90% (Mar), 90% (Apr)

Start of intervention: Sep
Secondary Study

Impact of Universal Gowning and Gloving on Contamination of Health Care Worker Clothing and the Patient Environment
BUGG Study

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