

North Carolina Healthcare-Associated Infections Report
Data from January 1 – March 31, 2016
Duke University Hospital, Durham, Durham County

2015 Hospital Survey Information

Hospital Type:	Acute Care Hospital
Medical Affiliation:	Major
Admissions in 2015:	43,741
Patient Days in 2015:	283,868
Total Number of Beds:	1,037
Number of ICU Beds:	218
FTE* Infection Preventionists:	4.50
Number of FTEs* per 100 beds:	0.43

[*FTE = Full-time equivalent]



Commentary From Facility:
 No comments provided.

Catheter-Associated Urinary Tract Infections (CAUTI)

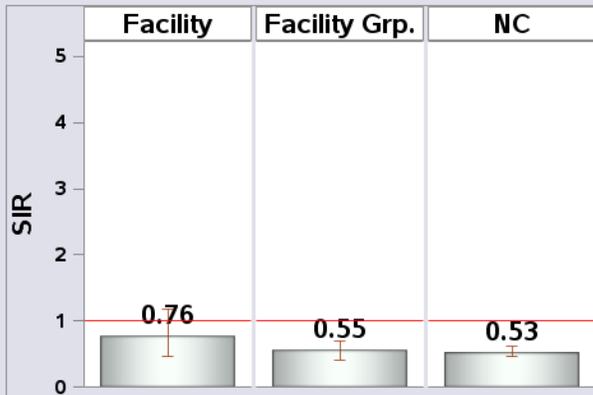


Figure 1: SIRs and 95% confidence intervals, Jan-Mar 2016.

Table 1. Number of Observed and Predicted Infections by ICU and Ward Type, Jan-Mar 2016.

Unit Type	Observed Infections	Predicted Infections	How Does This Facility Compare to the National Experience?
All reporting units	18	24	Same

Note: SIR=Standardized Infection Ratio. SIR is calculated by #Observed/#Predicted.

Note: SIR not calculated if <50 catheter days or <1 predicted infection.

Note: Red line represents the NHSN baseline experience, 2009.

How Does This Facility Compare to the National Experience?

= Same: About the same number of infections as predicted by the national baseline experience

Methicillin-Resistant Staphylococcus aureus Laboratory-Identified Bacteremia (MRSA LabID)

Note: LabID events are based on positive laboratory results only; not all LabID events represent true illnesses. Events reported here may be higher than events based on clinically-defined illness.

Note from N.C. Division of Public Health: Data are unavailable for this time period.

Clostridium difficile Laboratory-Identified Infections (CDI LabID)

Note: LabID events are based on positive laboratory results only - not all LabID events represent true illnesses. Rates reported here may be higher than rates based on clinically-defined illness.

Note from N.C. Division of Public Health: Data are unavailable for this time period.

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Central Line-Associated Bloodstream Infections (CLABSI)

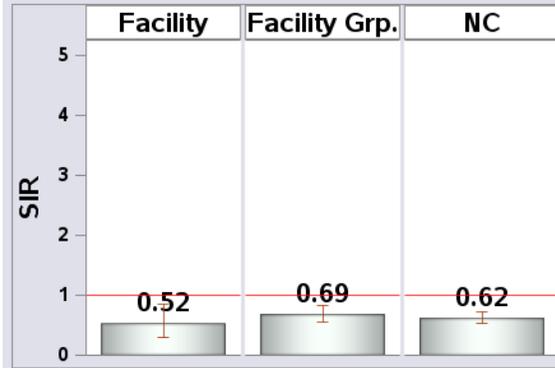


Figure 4: SIRs and 95% confidence intervals, Jan-Mar 2016.

Table 4. Number of Observed and Predicted CLABSI Infections by ICU and Ward Type, Jan-Mar 2016

Unit Type	Observed Infections	Predicted Infections	How Does This Facility Compare to the National Experience?
Adult/Ped Units	15	24	Better
Neonatal Units	0	4.1	Better
All reporting units	15	29	Better

Note: SIR=Standardized Infection Ratio. SIR is calculated by #Observed/#Predicted.
 Note: SIR not calculated if <50 central line days or <1 predicted infection.
 Note: Red line represents the NHSN baseline experience, 2006-2008.

How Does This Facility Compare to the National Experience?
 ★ Better: Fewer infections than predicted by the national baseline experience

Surgical Site Infections (SSI) after Abdominal Hysterectomies

Table 5. Number of Observed and Predicted SSI Infections (abdominal hysterectomies), Jan-Mar 2016.

Unit Type	Observed Infections	Predicted Infections	How Does This Facility Compare to the National Experience?
Facility-wide inpatient	0	Less than 1.0	No Conclusion

Note: SIR=Standardized Infection Ratio. SIR is calculated by #Observed/#Predicted.
 Note: Infections from deep incisional and/or organ space.
 Note: Red line represents the NHSN baseline experience, 2006-2008.

How Does This Facility Compare to the National Experience?
 No Conclusion: Data were reported, but there was not enough information to make a reliable comparison

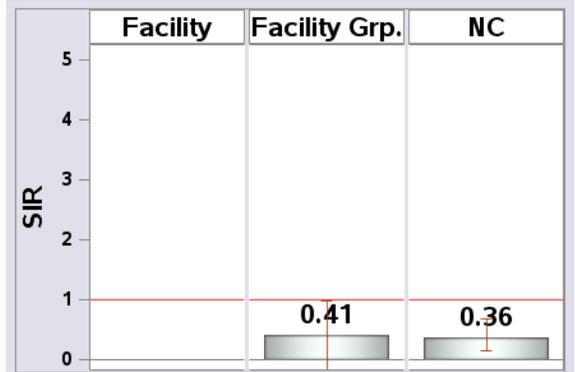


Figure 5: SIRs and 95% Confidence Intervals, Jan-Mar 2016.

Surgical Site Infections (SSI) after Colon Surgeries

Table 6. Number of Observed and Predicted SSI Infections (colon surgeries), Jan-Mar 2016.

Unit Type	Observed Infections	Predicted Infections	How Does This Facility Compare to the National Experience?
Facility-wide inpatient	6	3.9	Same

Note: SIR=Standardized Infection Ratio. SIR is calculated by #Observed/#Predicted.
 Note: Infections from deep incisional and/or organ space.
 Note: Red line represents the NHSN baseline experience, 2006-2008.

How Does This Facility Compare to the National Experience?
 = Same: About the same number of infections as predicted by the national baseline experience

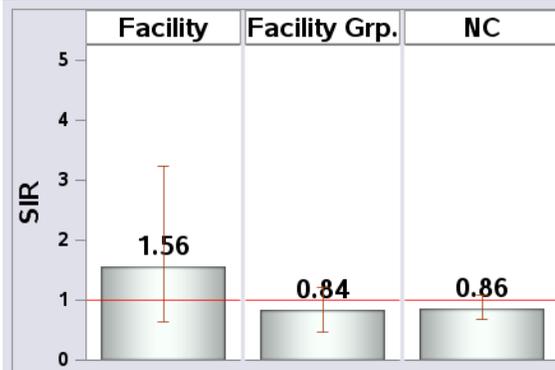


Figure 6: SIRs and 95% Confidence Intervals, Jan-Mar 2016.

Ventilator-Associated Events (VAE)

Note from N.C. Division of Public Health: VAE are not reportable at this facility type