

Welcome!

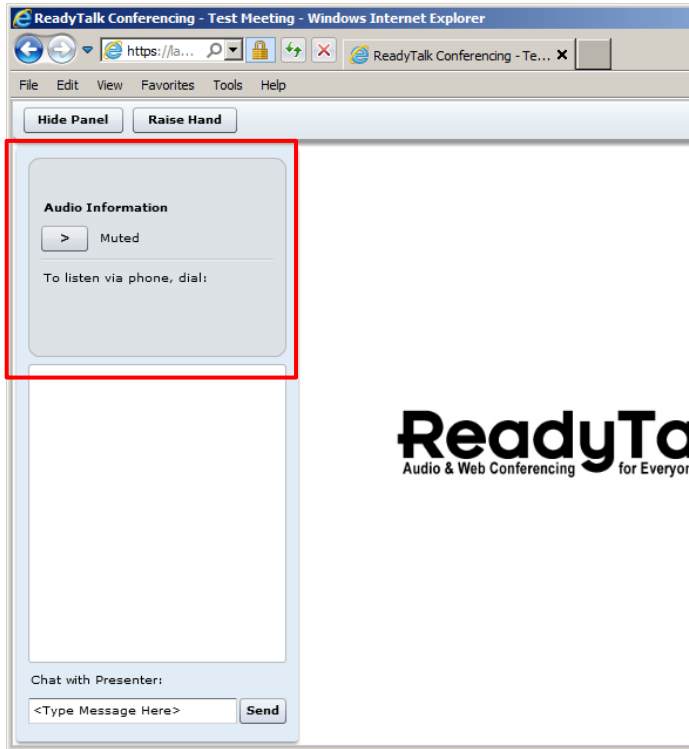
- **Audio for this event is available via ReadyTalk® Internet Streaming.**
- **No telephone line is required.**
- **Computer speakers or headphones are necessary to listen to streaming audio.**
- **Limited dial-in lines are available. Please send a chat message if needed.**
- **This event is being recorded.**



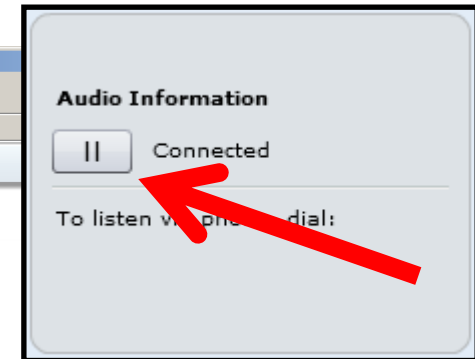
Troubleshooting Audio

Audio from computer speakers breaking up?
Audio suddenly stop?

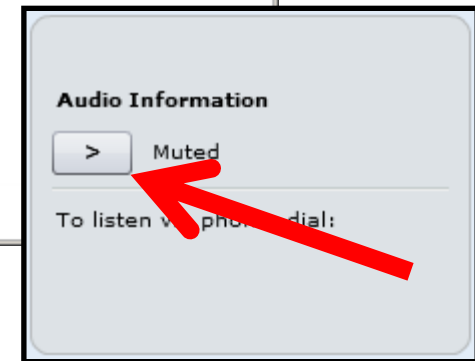
- Click Pause button
- Wait 5 seconds
- Click Play button



Location of Audio Controls



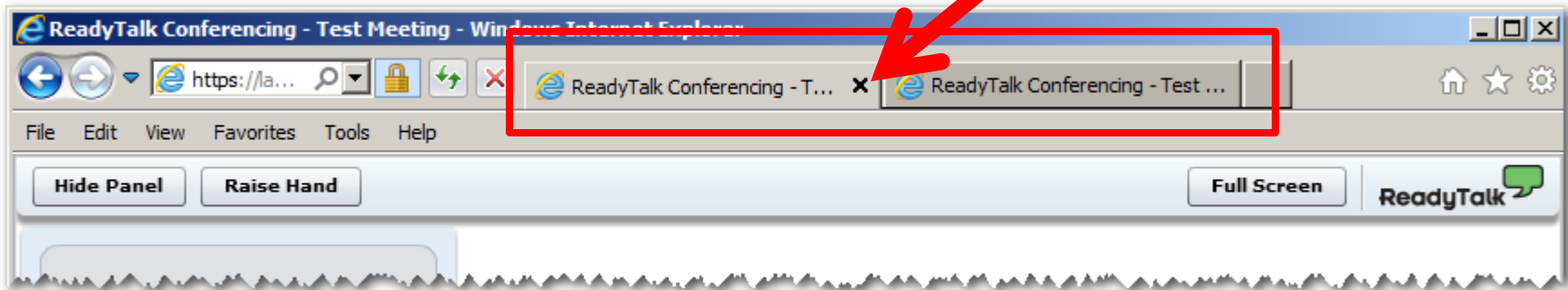
Step 1



Step 2

Troubleshooting Echo

- Hear a bad echo on the call?
- Echo is caused by multiple browsers/tabs open to a single event – multiple audio feeds.
- Close all but one browser/tab and the echo will clear up.



Example of Two Browsers Tabs open in Same Event

Submitting Questions

Type questions in the “Chat with Presenter” section, located in the bottom-left corner of your screen.



A screenshot of a web interface for a CMS event. The main content area features the CMS logo (Centers for Medicare & Medicaid Services) and a large heading that reads "Welcome to Today's Event". Below this, a message says "Thank you for joining us today! Our event will start shortly." On the left side, there is a vertical chat window titled "Chat with Presenter". At the bottom of this chat window, there is a text input field labeled "Type questions here." and a "Send" button. The top of the chat window has buttons for "Hide Chat" and "Return Home". The top right of the main interface has buttons for "Full Screen" and "Reconnect".



Hospital Value-Based Purchasing (VBP) Program Patient Safety Series: CLABSI & CAUTI

Bethany Wheeler, BS

Team Lead, Hospital VBP Program

Inpatient Hospital Value, Incentives, and Quality Reporting (VIQR) Support Contractor (SC)

Alexander Tomich, DNP, RN, CIC

Marcelina Wawrzyniak, MSN, RN

Department of Infection Prevention and Control
Rush University Medical Center

Melissa A. Janes, MSN, RN-BC, IP Manager

Emma Camarena, MSN, RN, ACCNS-AG

Sabrina Orique, MSN, RN, AOCNS

Kaweah Delta Medical Center

November 20, 2015

Purpose

Provide Hospitals with an understanding of Catheter-Associate Urinary Tract Infection (CAUTI) and Central Line-Associated Blood Stream Infection (CLABSI) infection rates within the HVBP Program, including:

- Healthcare-Associated Infection (HAI) standard population updates from the Centers for Disease control and Prevention (CDC)
- Impact of National Health Safety Network (NHSN) determined locations for CAUTI/CLABSI baseline and performance periods
- Methods to improve CAUTI/CLABSI Standardized Infection Ratios (SIRs)

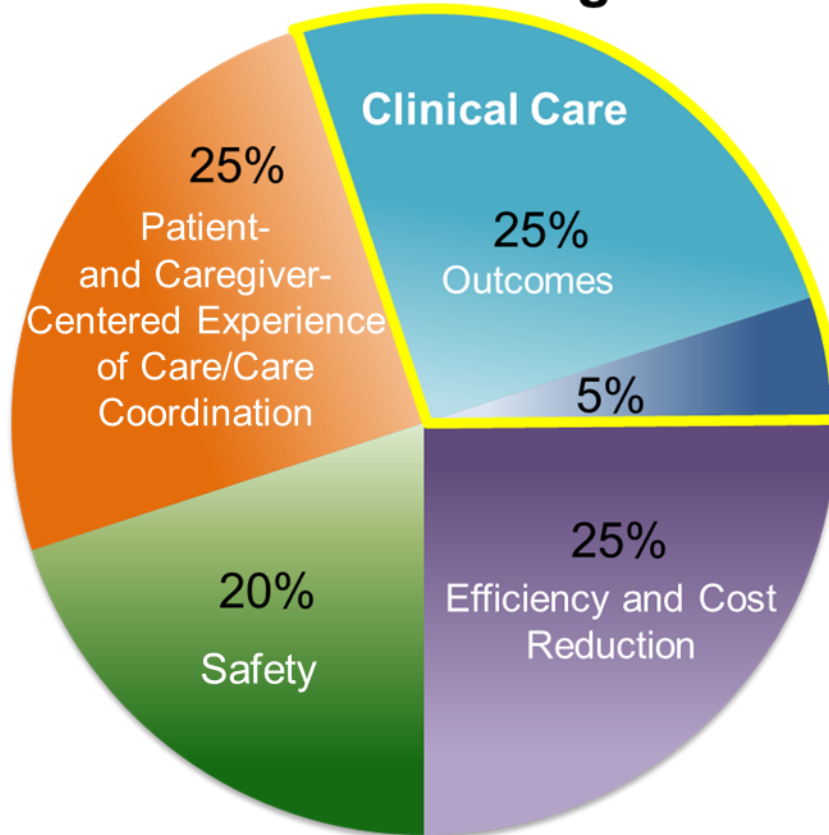
Objectives

Participants will be able to:

- Identify how CLABSI and CAUTI are utilized in the Hospital VBP Program
- Discuss improvement plans and best practices with other hospital providers
- Identify interventions to improve CAUTI and CLABSI infection rates

Hospital VBP Program Fiscal Year (FY) 2017 Domains and Measures

Domain Weights



An asterisk (*) indicates a newly adopted measure for the Hospital VBP Program.

Patient- and Caregiver-Centered Experience of Care/Care Coordination

Hospital Consumer Assessment of Healthcare Providers and Systems (HCAHPS) Survey

Clinical Care

Outcomes

MORT-30-AMI
MORT-30-HF
MORT-30-PN

Process

AMI-7a
IMM-2
PC-01*

Efficiency and Cost Reduction

MSPB-1

Safety

CLABSI
CAUTI

SSI: Colon & Abdominal Hysterectomy
MRSA Infections*
C-difficile Infections*
AHRQ PSI-90

Hospital VBP Program

FY 2018 Domains and Measures

Domain Weights



Patient- and Caregiver-Centered Experience of Care/Care Coordination (PCCEC/CC)

HCAHPS Survey

Clinical Care

MORT-30-AMI
MORT-30-HF
MORT-30-PN

Safety

Central Line-Associated Bloodstream Infections (CLABSI)
Catheter-Associated Urinary Tract Infections (CAUTI)
Surgical Site Infections (SSI) (Colon & Abdominal Hysterectomy)
Methicillin-resistant *Staphylococcus aureus* (MRSA) Infections
C. difficile Infections (CDI)
AHRQ PSI-90
PC-01

Efficiency and Cost Reduction

MSPB-1

NHSN Measures

Standard Population Data

Routine Maintenance

- CDC is updating the “standard population data” (also known as “national baseline”) to ensure the NHSN measures’ number of predicted infections reflect the current state of HAIs in the United States.
 - CAUTI standard population data is Calendar year (CY) 2009.
 - CLABSI and Surgical Site Infection (SSI) standard population data is CY 2006–2008.
 - CDI and MRSA standard population data is CY 2010–2011.
- Beginning in 2015, CDC will collect data in order to update the standard population for all measures listed above.

Data Period	FY 2017 Program Year	FY 2018 Program Year	FY 2019 Program Year	FY 2020 Program Year
NHSN Measures Baseline Period	Current standard population data	Current standard population data	New standard population data	New standard population data
NHSN Measures Performance Period	Current standard population data	Current standard population data	New standard population data	New standard population data

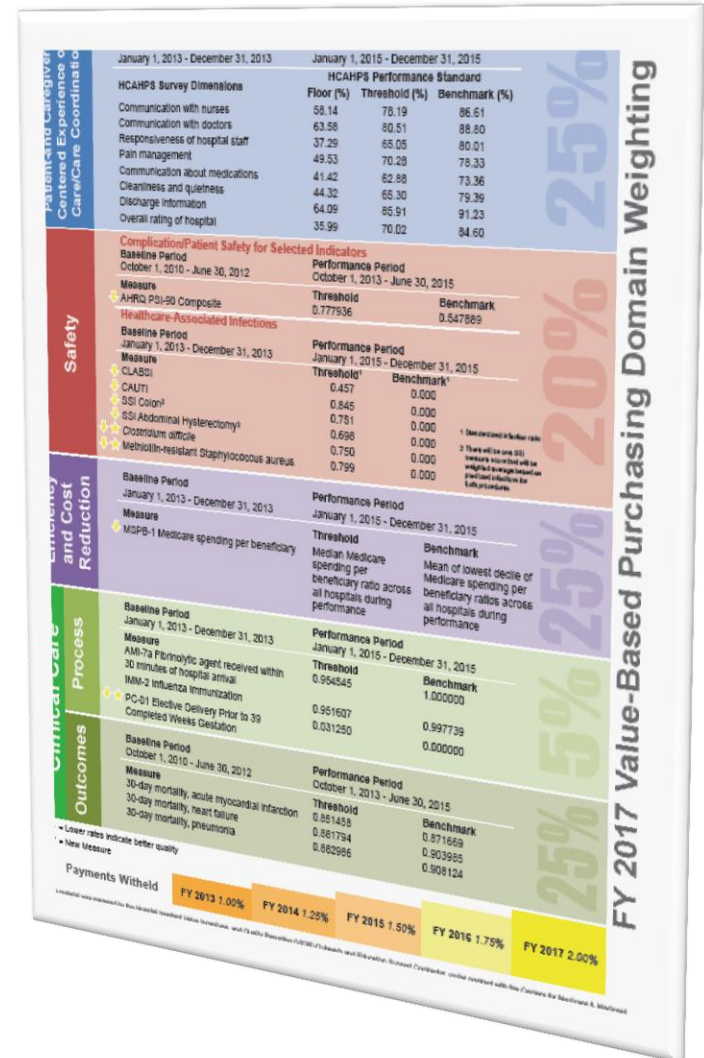
CLABSI and CAUTI Locations

There is an intent to propose, in future rulemaking, inclusion of selected ward (non-Intensive Care Unit [ICU]) locations in certain NHSN Measures beginning with the FY 2019 program year.

Data Period	FY 2017 Program Year	FY 2018 Program Year	FY 2019 Program Year	FY 2020 Program Year
Hospital VBP Program Baseline Period	<p>CLABSI: Adult, Pediatric, and Neonatal ICU locations</p> <p>CAUTI: Adult and Pediatric ICU locations</p>	<p>CLABSI: Adult, Pediatric, and Neonatal ICU locations</p> <p>CAUTI: Adult and Pediatric ICU locations</p>	<p>CLABSI: Adult, Pediatric, and Neonatal ICUs and Adult or Pediatric Medical, Surgical, and Medical/Surgical Wards</p> <p>CAUTI: Adult and Pediatric ICUs and Adult or Pediatric Medical, Surgical, and Medical/Surgical Wards</p>	<p>CLABSI: Adult, Pediatric, and Neonatal ICUs and Adult or Pediatric Medical, Surgical, and Medical/Surgical Wards</p> <p>CAUTI: Adult and Pediatric ICUs and Adult or Pediatric Medical, Surgical, and Medical/Surgical Wards</p>
Hospital VBP Program Performance Period	<p>CLABSI: Adult, Pediatric, and Neonatal ICU locations</p> <p>CAUTI: Adult and Pediatric ICU locations</p>	<p>CLABSI: Adult, Pediatric, and Neonatal ICU locations</p> <p>CAUTI: Adult and Pediatric ICU locations</p>	<p>CLABSI: Adult, Pediatric, and Neonatal ICUs and Adult or Pediatric Medical, Surgical, and Medical/Surgical Wards</p> <p>CAUTI: Adult and Pediatric ICUs and Adult or Pediatric Medical, Surgical, and Medical/Surgical Wards</p>	<p>CLABSI: Adult, Pediatric, and Neonatal ICUs and Adult or Pediatric Medical, Surgical, and Medical/Surgical Wards</p> <p>CAUTI: Adult and Pediatric ICUs and Adult or Pediatric Medical, Surgical, and Medical/Surgical Wards</p>

Resources

- Quick Reference Guide for the FY 2017 and 2018 Programs are available at <http://www.qualityreportingcenter.com/>
- FY 2017 Direct Link: http://www.qualityreportingcenter.com/wp-content/uploads/2015/02/IQR-FY2017_VBP-Domain-Weighting-Infographic.pdf
- FY 2018 Direct Link: http://www.qualityreportingcenter.com/wp-content/uploads/2015/10/FY-2018-Infographic-VBP-Domain-Weighting_FINAL_508.pdf





RUSH UNIVERSITY
MEDICAL CENTER

Hospital Value-Based Purchasing Patient Safety Series:
CAUTI and CLABSI

JOURNEY TO REDUCTION: CLABSI AND CAUTI AT RUSH UNIVERSITY MEDICAL CENTER

Department of Infection Prevention and Control

Alexander Tomich, DNP, RN, CIC

Marcelina Wawrzyniak, MSN, RN

Objectives

- Detail facility ownership of HAIs
- Describe CAUTI reduction successes from FY 2013–2015
- Describe the CLABSI reduction process from FY 2013–2015
- Address plans for the future of each initiative

About Rush University Medical Center

- 1,015 Staffed Beds
- 10,005 Total full time employees (FTEs)
- 49,804 Admissions
- 410,162 Outpatient Visits

HAI Process

- Infection Prevention and Control Department staffed with 8.0 FTEs
- Once HAI identified:
 - Real-time feedback provided to the unit
 - Unit stakeholders meet to discuss the event with team members and Infection Prevention
- Unit presents case to HAI Committee
 - Discussion of interventions and opportunities continued

HAI Committee

- Multidisciplinary committee composed of:
 - Infection Prevention Team
 - Nursing Leadership
 - Quality Leadership
 - Physician Leadership
- Meets weekly to review data, discuss events, approve interventions and HAI focus

Unit-Based Interventions

- Running tally of days since last infection on units
- Many units have Infection Prevention Committees
- Nursing Audit process of device-associated infection (DAI) prevention practices
- Attending involvement in HAI discussions

Hospital Value-Based Purchasing Patient Safety Series:
CAUTI and CLABSI

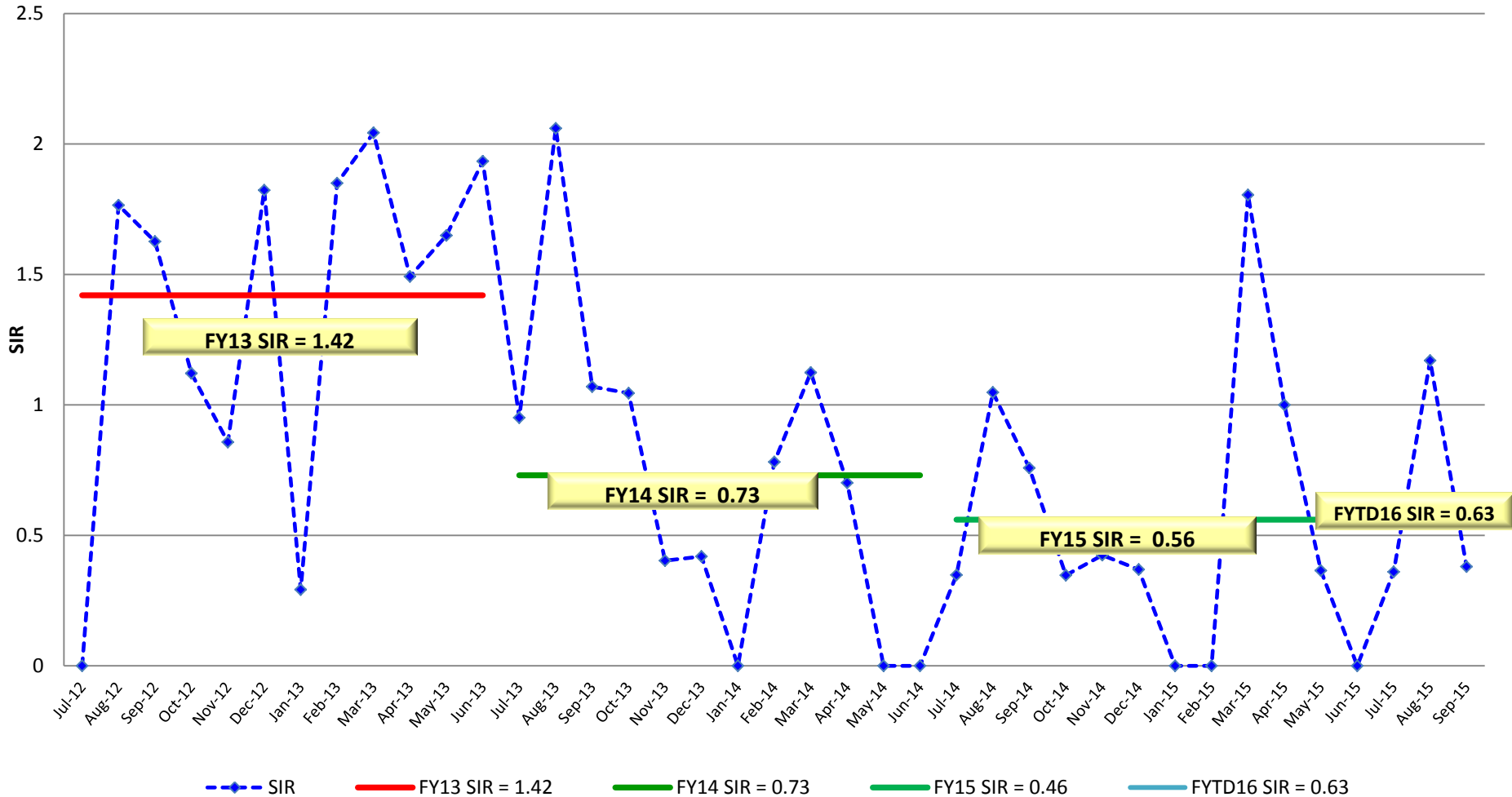
CAUTI INITIATIVE

RUSH UNIVERSITY MEDICAL CENTER FY 2013–2015

CAUTI Initiative

- FY 2013–2015
 - FY 2013 Standardized Infection Ratio (SIR) was **1.29**
 - FY 2015 SIR was **0.56**
 - **68% decrease** in CAUTI
- Organization-wide, multidisciplinary performance improvement effort aimed at:
 - Practice standardization
 - Early discontinuation of urinary catheters
 - Multidisciplinary collaboration

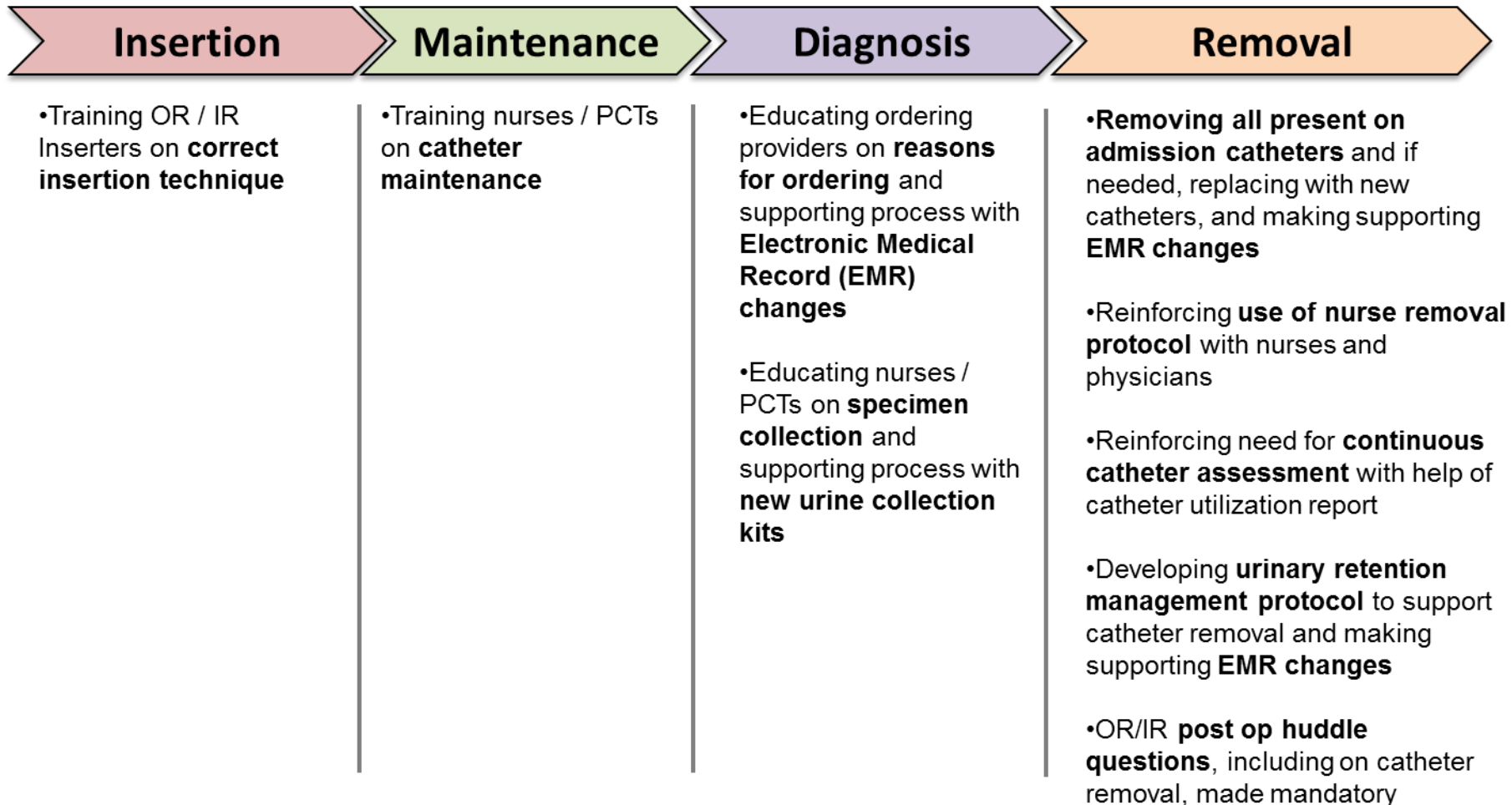
Rush University Medical Center CAUTI Acute Inpatient Units Standardized Infection Ratio FY 2013–2016 Year to Date



Model for Reduction

- Increase data availability across organization
- Develop a leadership and accountability structure for performance improvement activities
- Perform event reviews on each CAUTI
- Pilot process improvement on Ortho unit and spread interventions house-wide that demonstrate measureable results

Hospital-Wide CAUTI Solutions



Hospital Value-Based Purchasing Patient Safety Series:
CAUTI and CLABSI

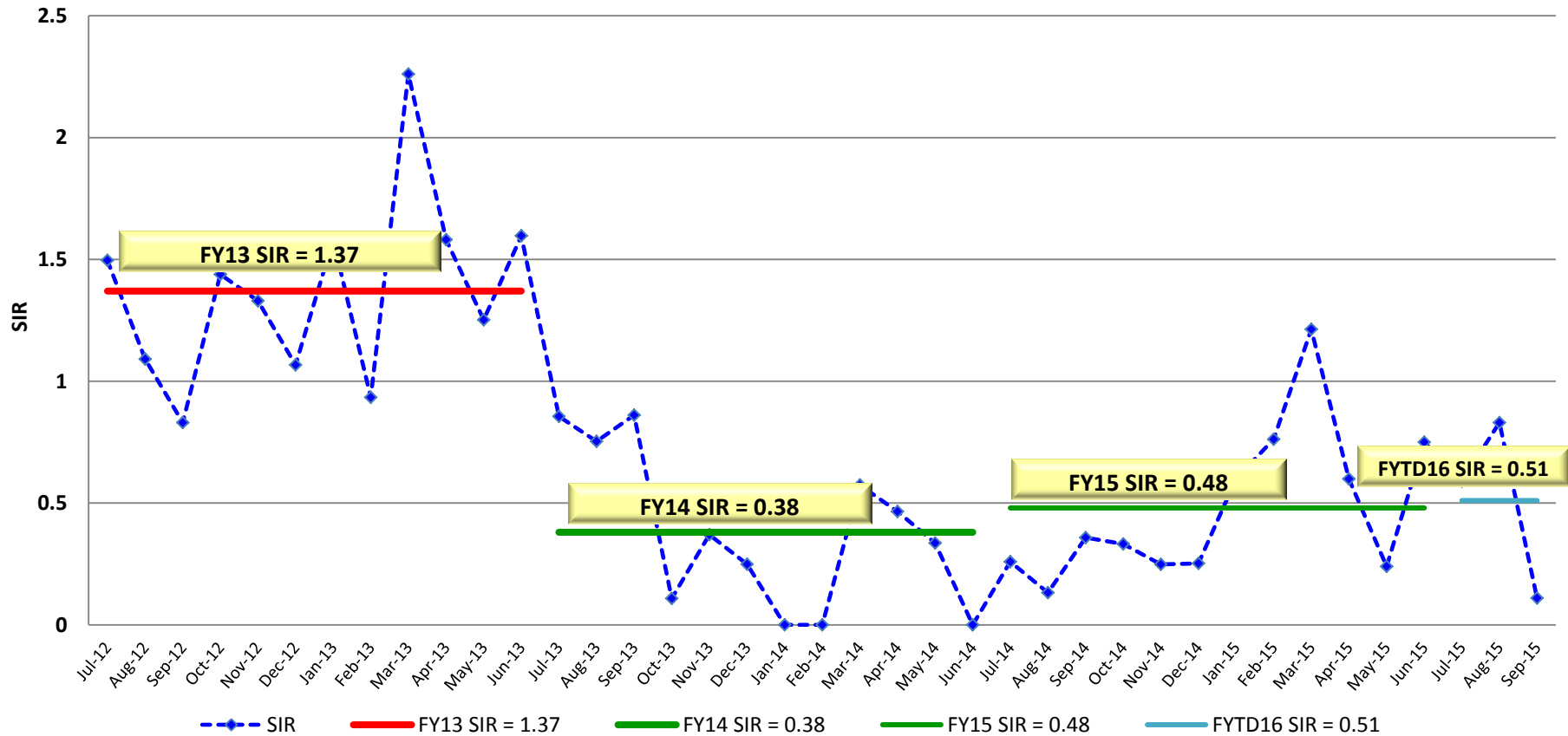
CLABSI INITIATIVE

RUSH UNIVERSITY MEDICAL CENTER FY 2013–2015

CLABSI Initiative

- FY 2013–2015
 - FY 2013 SIR **1.37**
 - FY 2015 SIR **0.48**
 - **64%** decrease in CLABSI
- Organization-wide, multidisciplinary performance improvement effort aimed at:
 - Bundle compliance
 - Practice standardization
 - Product optimization
 - Multidisciplinary collaboration

Rush University Medical Center CLABSI Acute Inpatient Units SIR FY 2013–2016 Year to Date

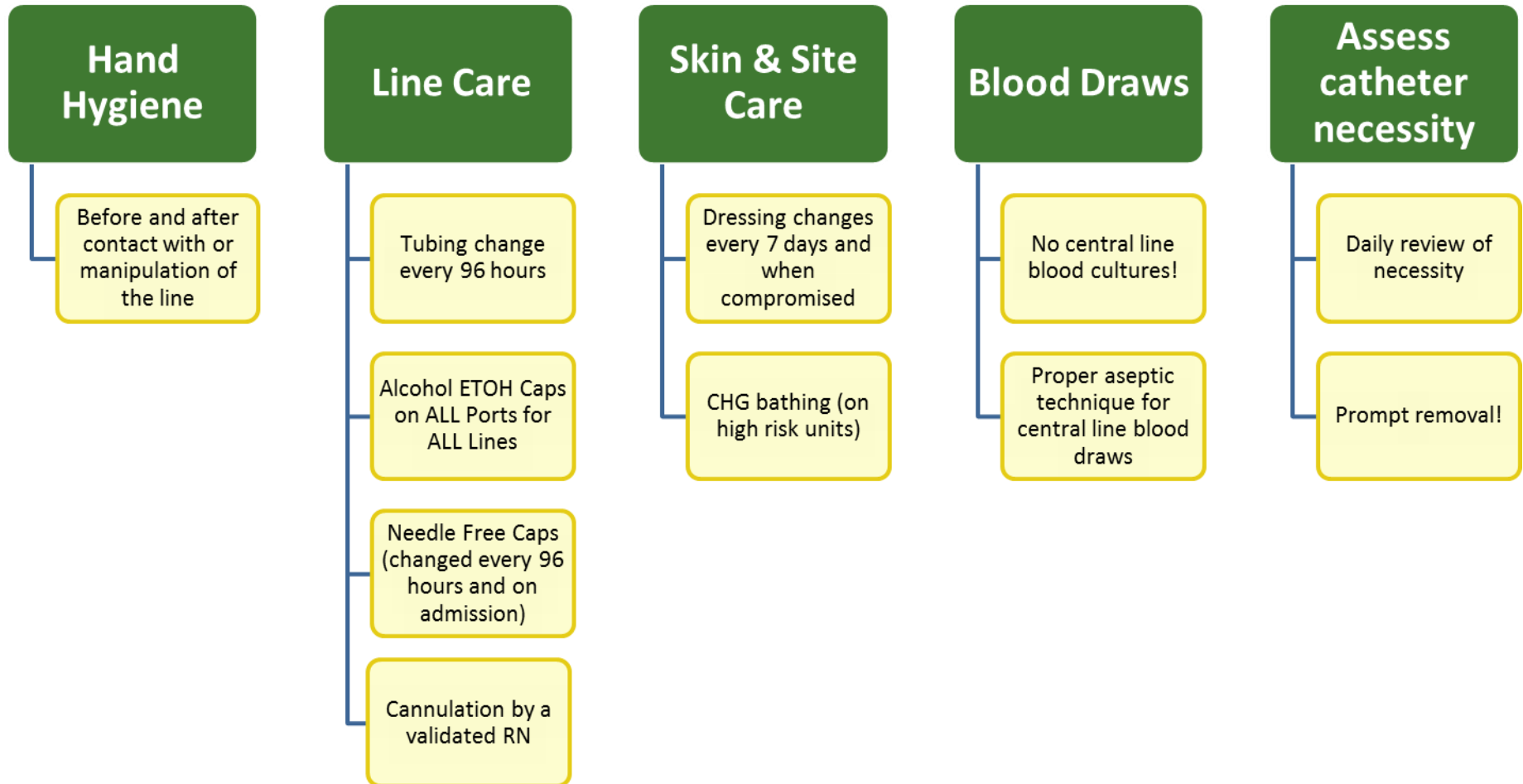


CLABSI Initiative Highlights

FY 2013–2015

FY 2013	FY 2014	FY 2015
<ul style="list-style-type: none"> • MD and RN rapid improvement cycles on insertion and maintenance • MD: Focus on conscientious insertion and removal of lines • RN: Focus on maintenance <ul style="list-style-type: none"> ○ Scrub the hub ○ Adding lines in EMR to chart cap changes ○ Charge RN to inquire about lines to be removed • Review of dialysis practices 	<ul style="list-style-type: none"> • Maintenance <ul style="list-style-type: none"> ○ CHG Bath Utilization in high risk units ○ CLABSI Accountable Education and Peer Feedback process to pilot units ○ ETOH Cap Pilot ○ Neutral Access Device ○ PICC Securement Device • CLABSI Diagnosis <ul style="list-style-type: none"> ○ Peripheral VS Central Line Blood culture initiative • Prompt removal of Lines <ul style="list-style-type: none"> ○ Hardwire Daily Needs Assessment 	<ul style="list-style-type: none"> • Maintenance <ul style="list-style-type: none"> ○ CHG Bath Utilization ○ ETOH Cap Pilot House Wide ○ CLABSI Accountable Education and Peer Feedback process to all units ○ 91% CLABSI in lines 7+ days after insertion • CLABSI Diagnosis <ul style="list-style-type: none"> ○ Peripheral VS Central Line Blood Culture House wide ○ Reason for Culture order revision • Prompt removal of Lines <ul style="list-style-type: none"> ○ Hardwire Daily Needs Assessment tool on Internal Medicine Floors ○ Decrease use of SlimPorts • RN CLABSI Re-education <ul style="list-style-type: none"> ○ Education module ○ PAC dressings and champion units
<ul style="list-style-type: none"> • 137 CLABSI 	<ul style="list-style-type: none"> • 38 CLABSI <ul style="list-style-type: none"> • 72% Decrease 	<ul style="list-style-type: none"> • 48 CLABSI <ul style="list-style-type: none"> • 64% Decrease FY13-FY15

Central Line Bundle



Line Maintenance

Hand Hygiene

Before and after contact with or manipulation of the line

Line Care

Tubing change every 96 hours

Alcohol ETOH Caps on ALL Ports for ALL Lines

Needle Free Caps (changed every 96 hours and on admission)

Cannulation by a validated RN

Skin & Site Care

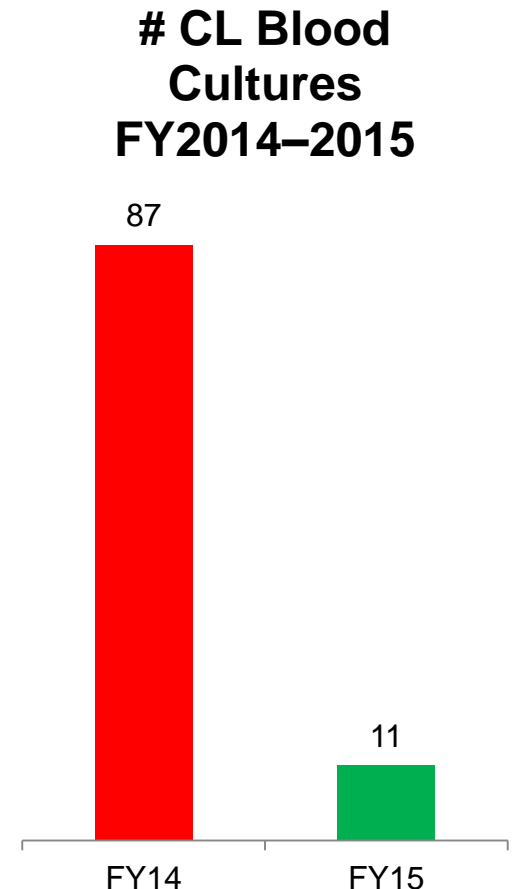
Dressing changes every 7 days and when compromised

CHG bathing (on high risk units)

- Nursing education regarding CLABSI Prevention
 - Practice standardization regarding product use
 - Dressing changes
 - Line manipulation
- Nurse Driven CLABSI Accountable Education and Peer Feedback process
 - Patients with central lines are audited to assess compliance with documentation, dressing changes, ETOH cap compliance and CHG baths. Each unit collects data monthly

Obtaining Blood Cultures

- Peripheral only blood cultures
 - August 2013
 - Central Blood culture eliminated as an option in **EMR**
 - Reason for culture required
- FY 2014–2015
 - 87% decrease in central blood cultures
 - 73% decrease in CLABSI
- Outliers
 - Direct intervention regarding ordering



Hospital Value-Based Purchasing Patient Safety Series:
CAUTI and CLABSI

NEXT STEPS IN SUSTAINABILITY

Next Steps

- Increase reliability and root education/interventions into consistent practice
- Continue to champion improvements in central line and urinary catheter maintenance
- Highlight successes on units with consistent high performance

Thank You

- alexander_tomich@rush.edu
- marcelina_wawrzyniak@rush.edu

More than medicine. Life.



Kaweah Delta
HEALTH CARE DISTRICT
www.kaweahdelta.org

Hospital Value-Based Purchasing Patient Safety Series:
CAUTI and CLABSI

KAWEAH DELTA MEDICAL CENTER (KDMC) VISALIA, CALIFORNIA

Melissa A. Janes, MSN, RN-BC, IP MANAGER

Emma Camarena, MSN, RN, ACCNS-AG

Sabrina Orique, MSN, RN, AOCNS

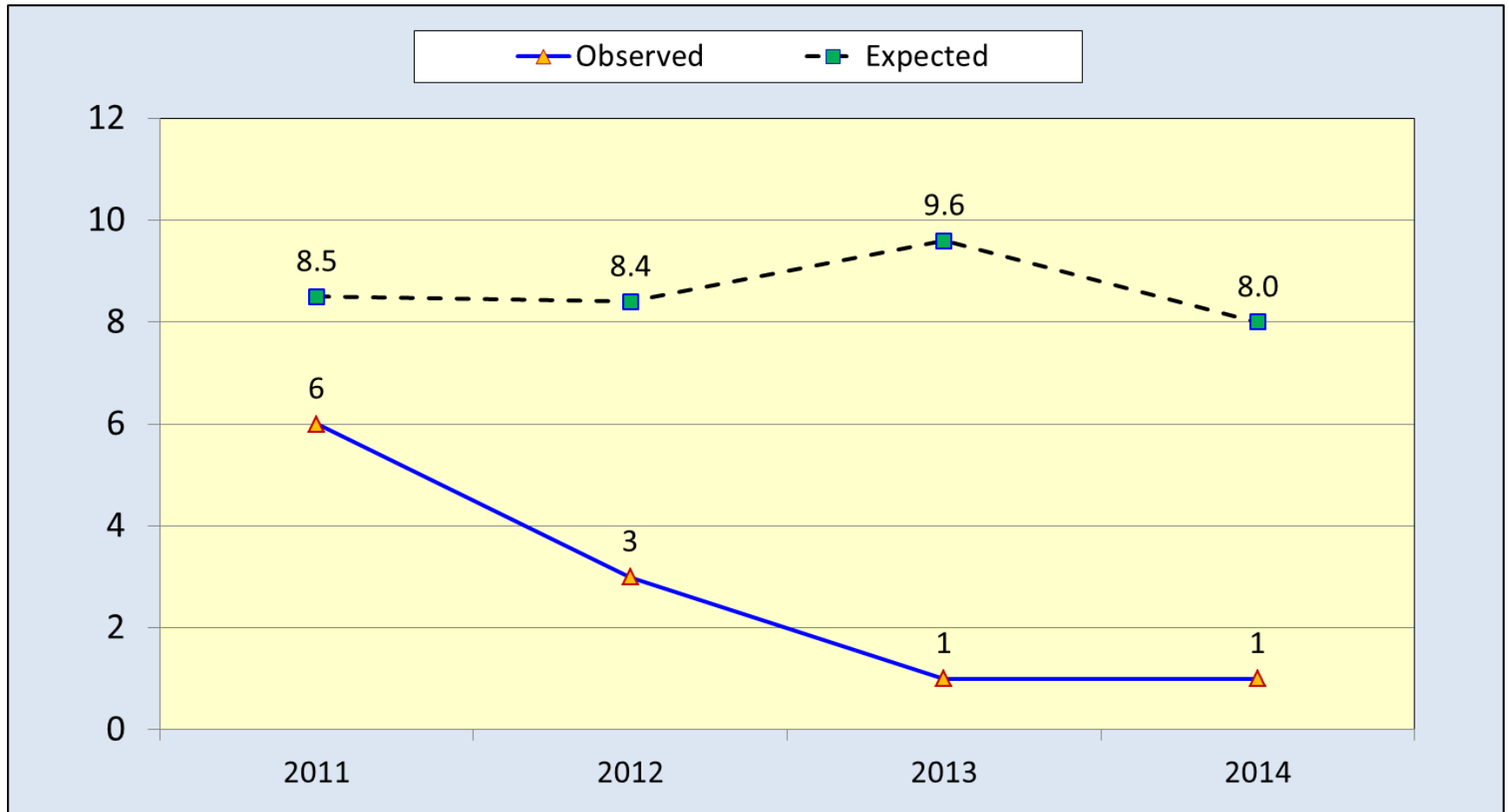
About Us

- **581-licensed beds:**
 - 448 general acute care
 - 54 skilled nursing
 - 16 skilled nursing
 - 63 psychiatric
 - 26, 364 inpatient visits (FY 2014)
 - 598,067 outpatient visits (FY 2014)
- **4,084 employees**

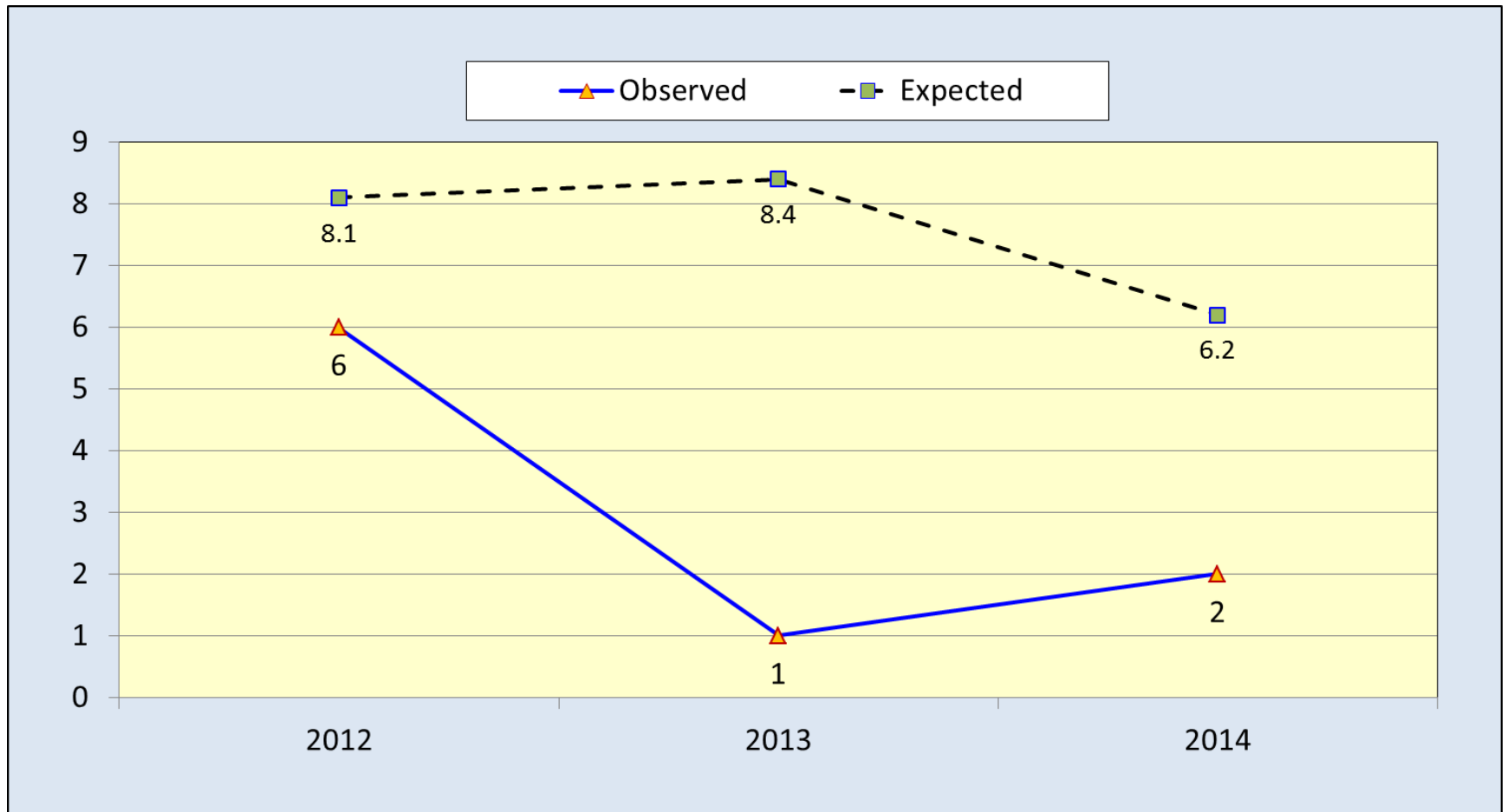
Analysis of the Data



KDMC CLABSI Performance



KDMC CAUTI Performance



Structure for Improvement

- **Executive Team:**
 - Appointed Healthcare-Associated Infection Prevention Steering Committee (HAIPS) (2011)
- **Purpose:**
 - Establish subcommittees for CLABSI/CAUTI (and others)
 - Select Committee Chairs
 - Establish standardized strategies
 - Decrease device associated infections (DVI)
 - Coordinate efforts, share strategies, and establish a reporting structure for each subcommittee
 - Decrease and prevent HAIs related to CLABSIs and CAUTIs

CLABSIs



2012 Action Items

- Scrub the Hub Education
- Mandatory charting
- New Tegaderm dressing
- **Nursing bundle:**
 - Scrupulous hand hygiene
 - Scrubbing the hub
 - Dedicated dressing/cap change days
 - Use of aseptic technique with changes
 - Daily review of line necessity with physicians

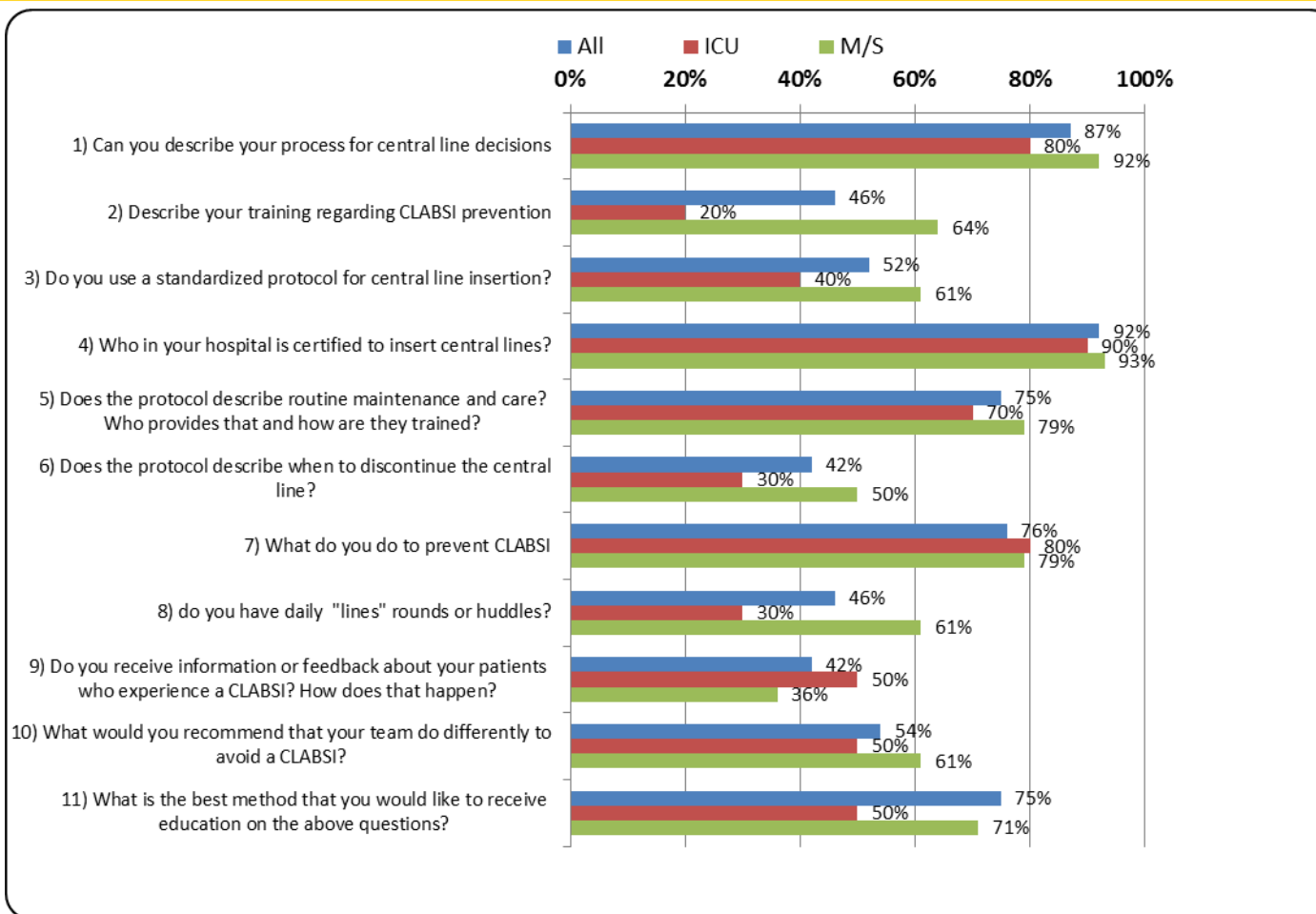
Additional Interventions

- Peripherally-inserted central catheters (PICC) audits
- Utilization rates
- Education blasts
 - PROCESS CHANGE NEW KNOWLEDGE
Communication Bundle for December
- Home Health and neonatal intensive-care unit (NICU) joined the party

Interventions

- Hospital Engagement Network (HEN)
 - Provided a series of questions that the Joint commission (TJC) could ask re: devices (central lines, Foleys and vents)
- Survey developed using the HEN questions
- Surveyed about 24 Registered Nurses (RNs)
- Results were much different then we thought

CLABSI Survey



Sample Size: 24 RNS	
ICU RNs	10
MS RNs	14

Interventions

- Provide education for:
 - Anyone who will listen!
 - Patients: *Let's talk out loud!*
 - Each other!
- Continue to re-evaluate processes to:
 - Make changes that make sense
- Make suggestions to:
 - The committee
 - The executive team
 - PICC RNs
 - Inpatient (IP) RNs

CAUTI's

KAWEAH DELTA



*Infection
Prevention*

Interventions

- Implementation of CDC Toolkit
 - Bundle
 - Standardized Procedure
 - Bladder scanners
- Quarterly Prevalence studies

Interventions

- Daily reports
 - Charge nurses review with staff nurses
- Rounds with advanced practice nurses (APNs)
 - “Show on the roads”
- Utilization rates

Interventions

- Standardization of supplies
- Education:
 - Annual competency review
 - Communication bundles
 - Surveys
- Physician education

What are we doing now?

- Continuing to make process changes
- Ongoing education
 - Interdisciplinary education
 - Physician residents
 - New nurse residency program

Questions?



Continuing Education Approval

This program has been approved for 1.0 continuing education (CE) unit for the following professional boards:

- Florida Board of Clinical Social Work, Marriage and Family Therapy and Mental Health Counseling
- Florida Board of Nursing Home Administrators
- Florida Council of Dietetics
- Florida Board of Pharmacy
- Board of Registered Nursing (Provider #16578)
 - It is your responsibility to submit this form to your accrediting body for credit.

CE Credit Process

- Complete the ReadyTalk[®] survey that will pop up after the webinar, or wait for the survey that will be sent to all registrants within the next 48 hours.
- After completion of the survey, click “done” at the bottom of the screen.
- Another page will open that asks you to register in HSAG’s Learning Management Center.
 - This is a separate registration from ReadyTalk
 - Please use your PERSONAL email so you can receive your certificate
 - Healthcare facilities have firewalls up that block our certificates

CE Certificate Problems?

- If you do not immediately receive a response to the email that you signed up with in the Learning Management Center, you have a firewall up that is blocking the link that is sent out
- Please go back to the **New User** link and register your personal email account
 - Personal emails do not have firewalls

CE Credit Process: Survey

No

Please provide any additional comments

10. What is your overall level of satisfaction with this presentation?

Very satisfied

Somewhat satisfied

Neutral

Somewhat dissatisfied

Very dissatisfied

If you answered "very dissatisfied", please explain

11. What topics would be of interest to you for future presentations?

12. If you have questions or concerns, please feel free to leave your name and phone number or email address and we will contact you.

Done

Powered by [SurveyMonkey](#)
Check out our [sample surveys](#) and create your own now!

CE Credit Process

Thank you for completing our survey!

Please click on one of the links below to obtain your certificate for your state licensure.

You must be registered with the learning management site.

New User Link:
<https://lmc.hshapps.com/register/default.aspx?ID=da0a12bc-db39-408f-b429-d6f6b9ccb1ae>

Existing User Link:
<https://lmc.hshapps.com/test/adduser.aspx?ID=da0a12bc-db39-408f-b429-d6f6b9ccb1ae>

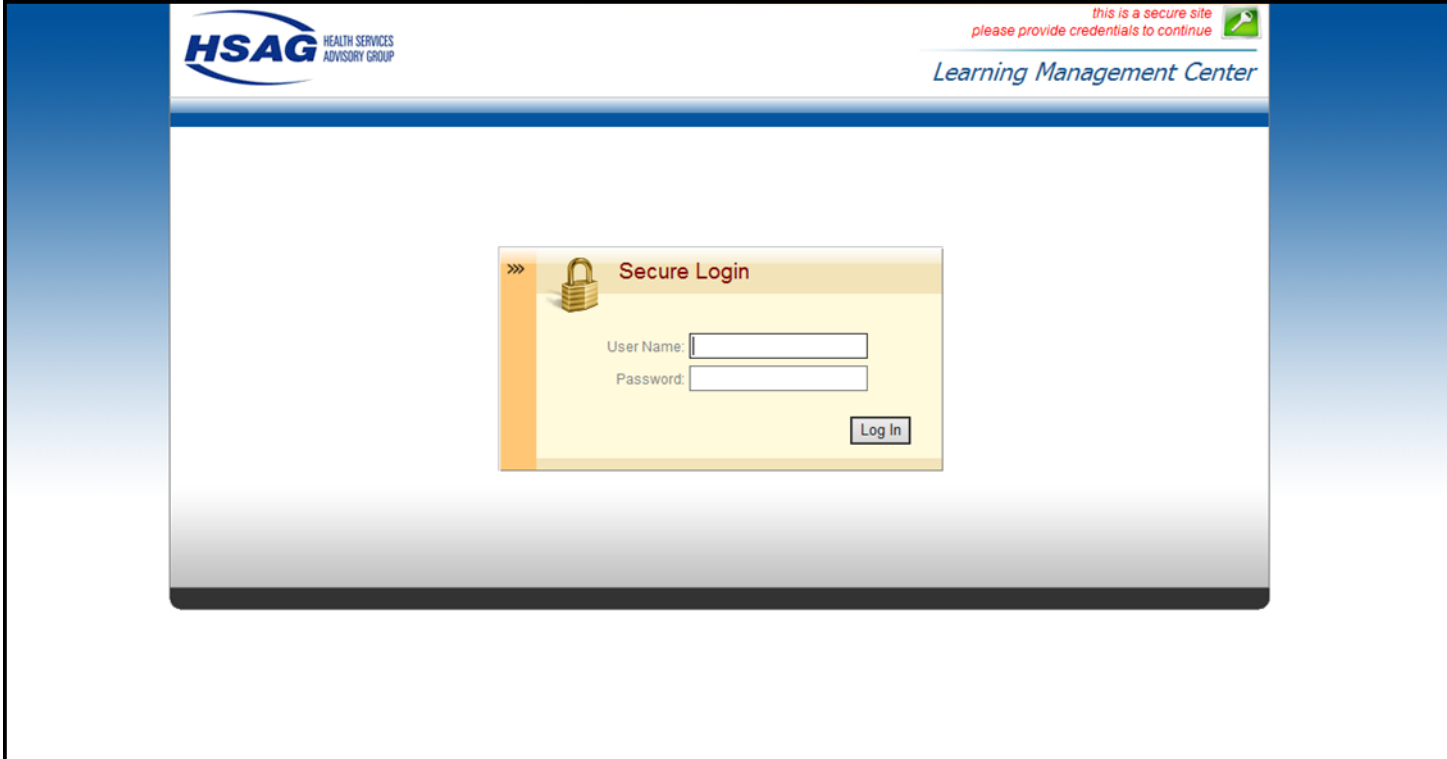
Note: If you click the 'Done' button below, you will not have the opportunity to receive your certificate without participating in a longer survey.

Done

CE Credit Process: New User

The screenshot shows a web page for the HSAG Learning Management Center. At the top left is the HSAG logo with the text "HEALTH SERVICES ADVISORY GROUP". At the top right, there is a security notice: "this is a secure site please provide credentials to continue" next to a small green icon. Below this is the text "Learning Management Center". The main heading of the page is "Learning Center Registration: OQR: 2015 Specifications Manual Update - 1-21-2015". Below the heading are four input fields: "First Name:" and "Last Name:" on the top row, and "Email:" and "Phone:" on the bottom row. The "Phone:" field has a small icon of a telephone handset. Below the input fields is a "Register" button. The entire form is enclosed in a white box with a blue border.

CE Credit Process: Existing User



The screenshot displays the login interface for the HSAG Learning Management Center. At the top left is the HSAG logo with the text "HEALTH SERVICES ADVISORY GROUP". At the top right, a red security notice reads "this is a secure site please provide credentials to continue" next to a small icon. Below this is the text "Learning Management Center". The central focus is a "Secure Login" box with a yellow background and a lock icon. It contains two input fields: "User Name:" and "Password:". A "Log In" button is positioned at the bottom right of the login box.

QUESTIONS?

Resources

Contact Us



Q & A Tool

<https://cms-ip.custhelp.com>



Email Support

InpatientSupport@viqrc1.HCQIS.org



Phone Support

844.472.4477 or
866.800.8765



Inpatient Live Chat

www.qualityreportingcenter.com/inpatient



Monthly Web Conferences

www.QualityReportingCenter.com



Secure Fax

877.789.4443



ListServes

Sign up on
www.QualityNet.org



Website

www.QualityReportingCenter.com