

# Indian Health Service

## Quality Assurance, Accreditation Readiness, and Infection Control and Prevention

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# Objectives

- Distinguish the importance of Quality Assurance (QA) with Accreditation Readiness
- Correlate Infection Control and Prevention (ICP) with best practice QA measures
- Describe how to implement QA metrics into local ICP programs
- Demonstrate building capacity in Quality Assurance and Infection Control and Prevention at a system level
- Identify and implement resources available for healthcare facilities in QA and ICP



# Division of Quality Assurance and Patient Safety (DQAPS) Programs

The QAPS team has programs working on policy development, deploying tools and resources for training and education, providing subject matter expertise and risk analysis.

Programs include:

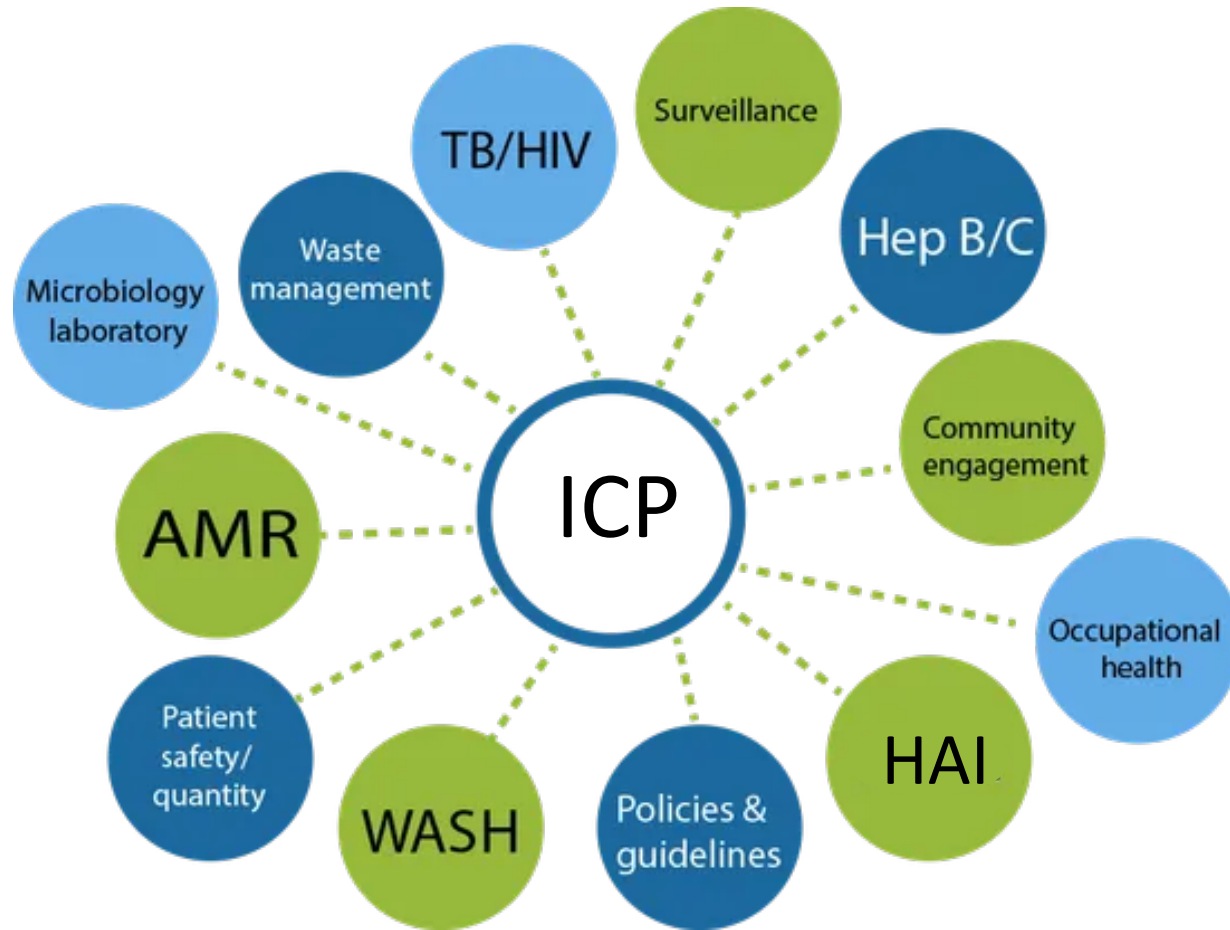
1. Deputy Director Health Care Quality: Michelle Boylan RN, MA, MBA, CPHQ
2. Office Director (Acting): Lisa Majewski, PhD, MSN, RN
3. Associate Director DQAPS (Acting): CAPT Michael Lee, PharmD, BCPS
4. Quality Assurance: Lead – Nicole Flom, MSA, BSIS, CHC
5. Credentialing: Lead – Dione Harjo, MPH, CPCS
6. Patient Safety: Lead – CDR Michelle Livingston, MSN, RN, CNL, CIC, CCM,
7. Adverse Events: Lead – CAPT Michael Lee, PharmD, BCPS
8. Infection Control: Lead – Jimi Risse, BSN, RN, CIC
9. Life Safety and Environment of Care: Lead – Kenith Franks, REHS
10. Clinical Risk Management: Lead – Paul Fowler, D.O., J.D. FAAFP, FCLM, FAOCOPM
11. Enterprise Application Coordinator: Lead- Derek Smith



# Quality Assurance and Accreditation Readiness



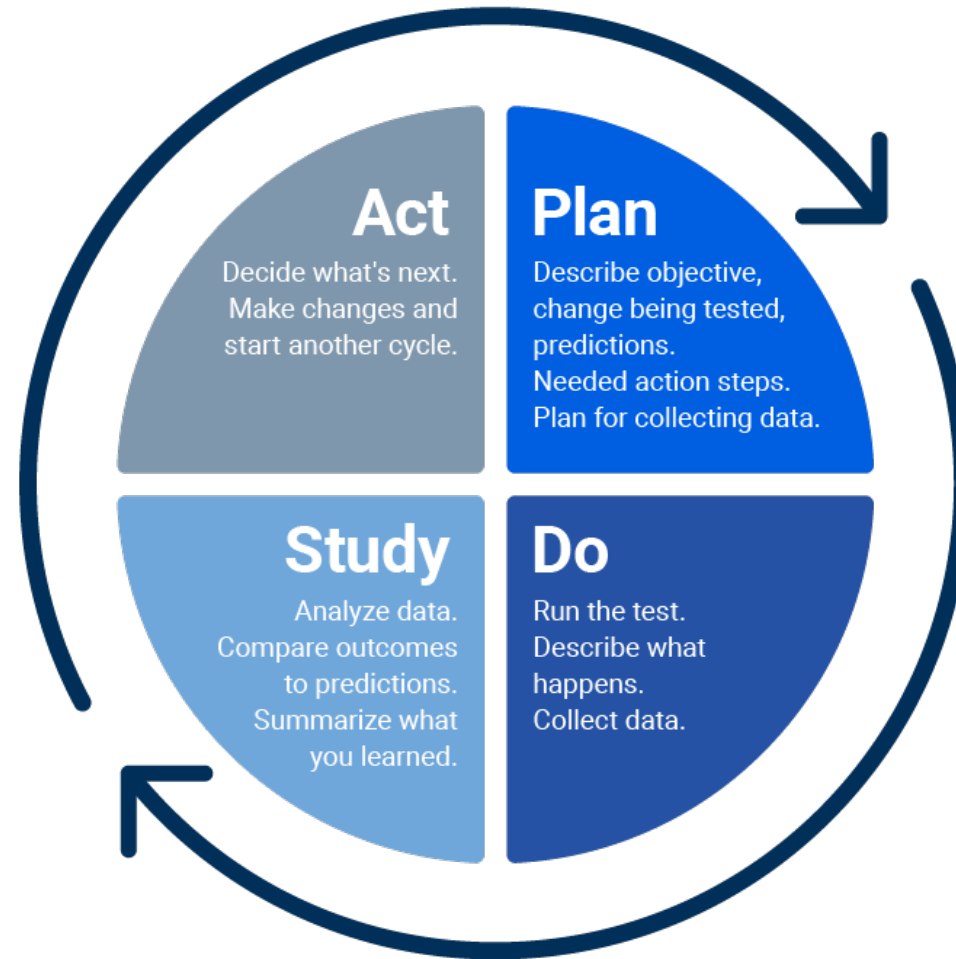
# Infection Control and Prevention (ICP)



# Quality Assurance (QA) Measures



# Performance Improvement (PI)



# Where QA and ICP Come Together

## National Association for Healthcare Quality (NAHQ) Competency Framework

~describes the knowledge and skills required for developing and leading a successful healthcare quality program~



# Implementing QA metrics into ICP

Showing your work:

- Excel Spreadsheet
  - Hand Hygiene
  - Communicable Disease
  - CAUTI
  - CLABSI
  - Utilization Rates
  - Procedure Infections
  - Isolation Compliance

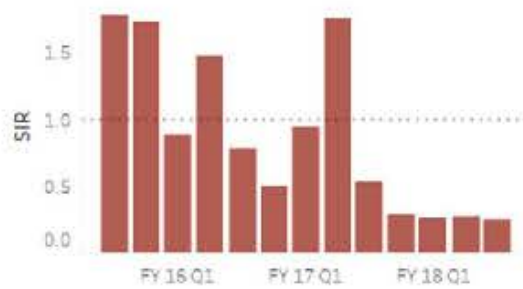
	Goal	CY22YTD	Jan-22	Feb-22	Mar-22	Apr-22
<b>PROCESS AND STRUCTURAL MEASURES</b>						
Computerized Physician Order Entry (CPOE)	85.77	50	40	40	70	
Bar Code Medication Administration (BCMA)	83.25	58.33	50	50	75	
ICU Physician Staffing (IPS)	62.82	66.67	50	50	100	
Safe Practice 1: Leadership Structures and Systems	116.85	120	120	120	120	
Safe Practice 2: Culture Measurement, Feedback & Intervention	116.49	120	120	120	120	
Safe Practice 9: Nursing Workforce	98.16	100	100	100	100	
Hand Hygiene	74.36	100	100	100	100	
H-COMP-1: Nurse Communication	91.10	91.33	91	92	91	
H-COMP-2: Doctor Communication	91.00	91	90	92	91	
H-COMP-3: Staff Responsiveness	84.38	82.33	86	82	79	
H-COMP-5: Communication about Medicines	77.66	76.67	81	76	73	
H-COMP-6: Discharge Information	86.51	82.33	85	81	81	
<b>OUTCOME MEASURES</b>						
Foreign Object Retained	0.02	0.000	0.000	0.000	0.000	
Air Embolism	0.0004	0.000	0.000	0.000	0.000	
Falls and Trauma	0.42	0.426	0.710	0.568	0.000	
CLABSI	0.81	0.520	0.314	0.000	1.246	
CAUTI	0.75	0.798	1.646	0.607	0.141	
SSI: Colon	0.80	0.409	0.000	0.747	0.480	
MRSA	0.84	0.574	0.414	1.309	0.000	
C. Diff.	0.54	0.277	0.265	0.285	0.282	
PSI 4: Death Rate among Surgical Inpatients with Serious Treatable Conditions	159.67	142.60	128.98	160.37	138.44	
PSI 90: Patient Safety and Adverse Events Composite	1.00	1.48	1.89	1.58	0.99	
PSI 03 Pressure Ulcer Rate	0.62	3.21	5.54	0.78	3.32	
PSI 06 Iatrogenic Pneumothorax Rate	0.19	0.65	0.64	0.00	1.31	
PSI 08 In-Hospital Fall With Hip Fracture Rate	0.07	0.00	0.00	0.00	0.00	
PSI 09 Perioperative Hemorrhage or Hematoma Rate	2.39	1.86	1.67	3.91	0.00	
PSI 10 Postoperative Acute Kidney Injury Rate	0.92	0.00	0.00	0.00	0.00	
PSI 11 Postoperative Respiratory Failure Rate	6.47	11.05	8.93	13.07	11.14	
PSI 12 Perioperative Pulmonary Embolism (PE) or Deep Vein Thrombosis (DVT) Rate	3.41	6.42	11.40	7.87	0.00	
PSI 13 Postoperative Sepsis Rate	4.09	12.16	9.04	21.74	5.70	
FLD- Handwashing (SICU)	98%	79%	72%	79%	86%	
FLD- Sep1 Bundle Compliance (SICU)	95%	62%	83%	48%	54%	
PSI 14 Postoperative Wound Dehiscence Rate	0.05	0.00	0.00	0.00	0.00	
PSI 15 Unrecognized Abdominopelvic Accidental Puncture/Laceration Rate	1.04	1.14	1.68	1.75	0.00	

\* rate/1000 discharges; FLD- Front Line Driver, SICU- Surgical Intensive Care Unit

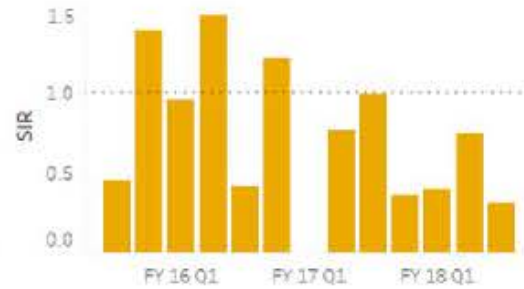


# Hospital-acquired Infections

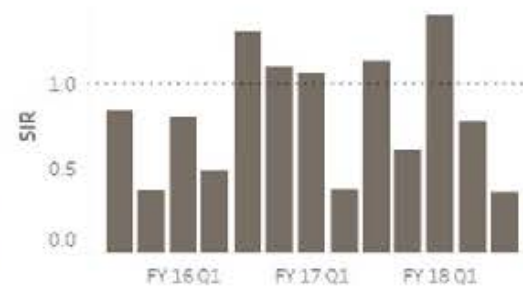
CLABSI SIR



CAUTI SIR



C diff SIR



CLABSI Rate



CAUTI Rate



C diff Rate



Hand Hygiene



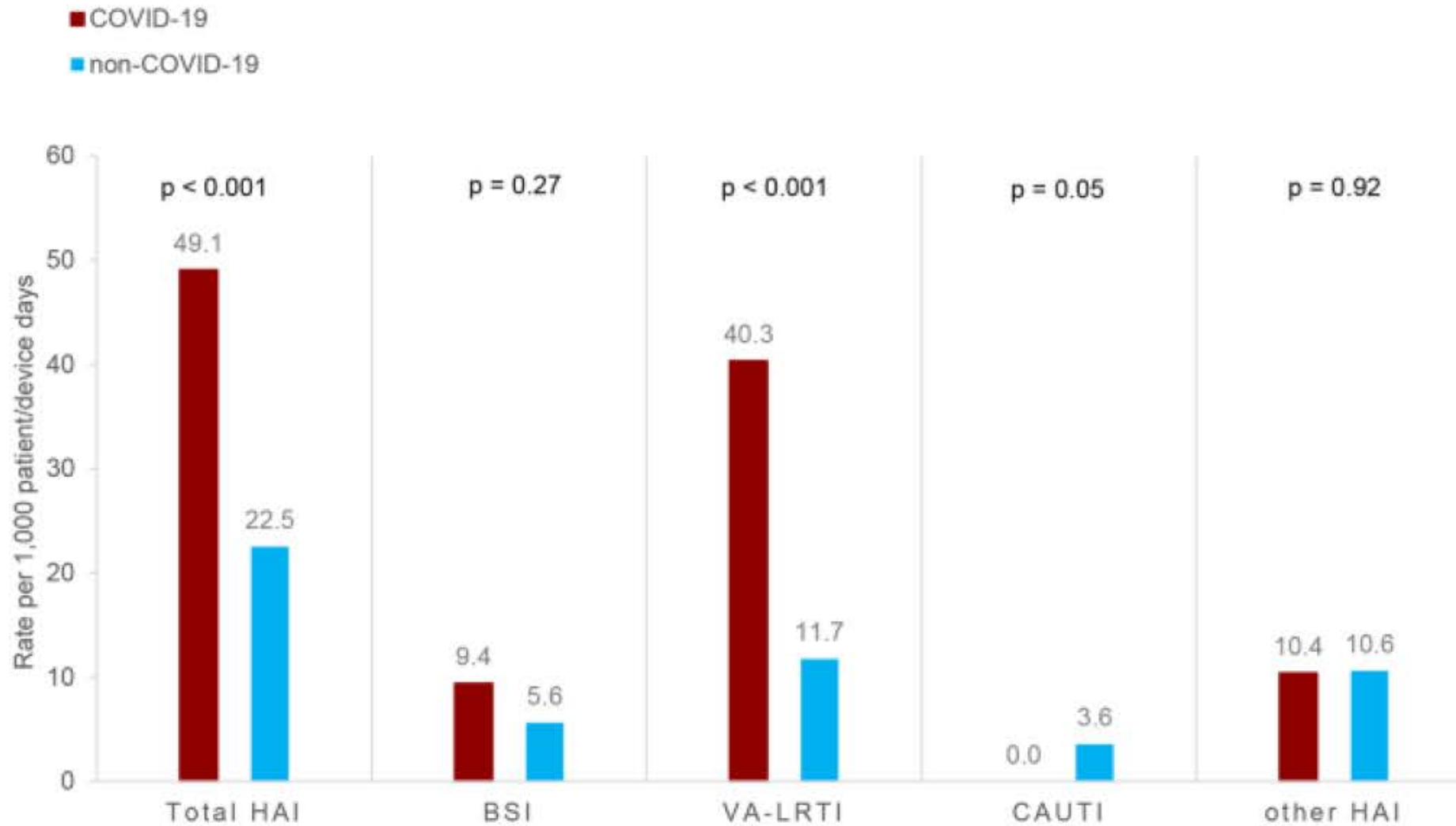
CHG



ALL DATA FAKED

CLABSI: Central Line-associated Bloodstream Infection  
 MBI: Mucosal Barrier Injury - it is much harder to prevent  
 CLABSI with MBIs  
 CAUTI: Catheter-associated Urinary Tract Infection  
 C diff: *Clostridium difficile*  
 CHG: Chlorhexidine gluconate treatment

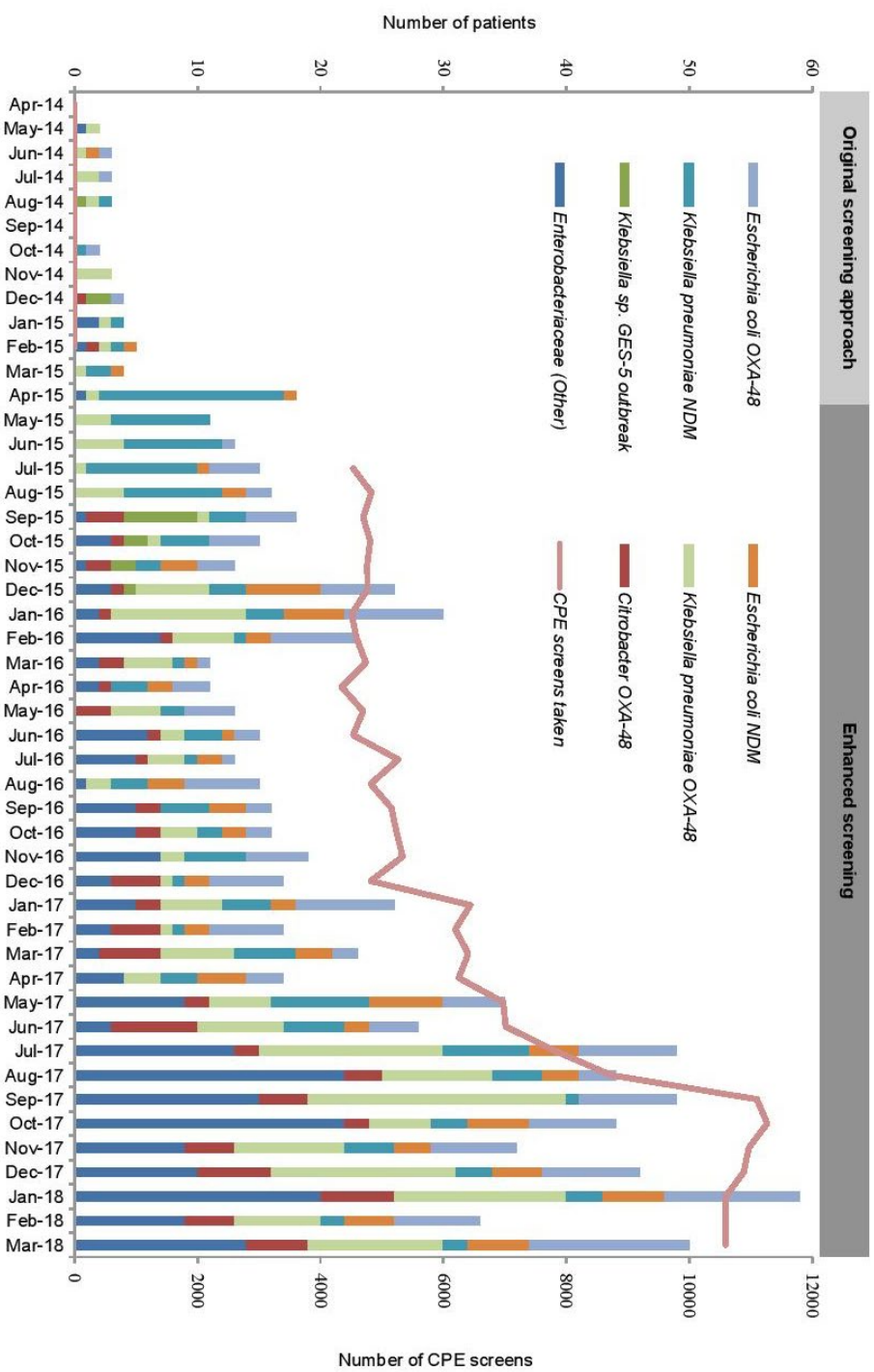


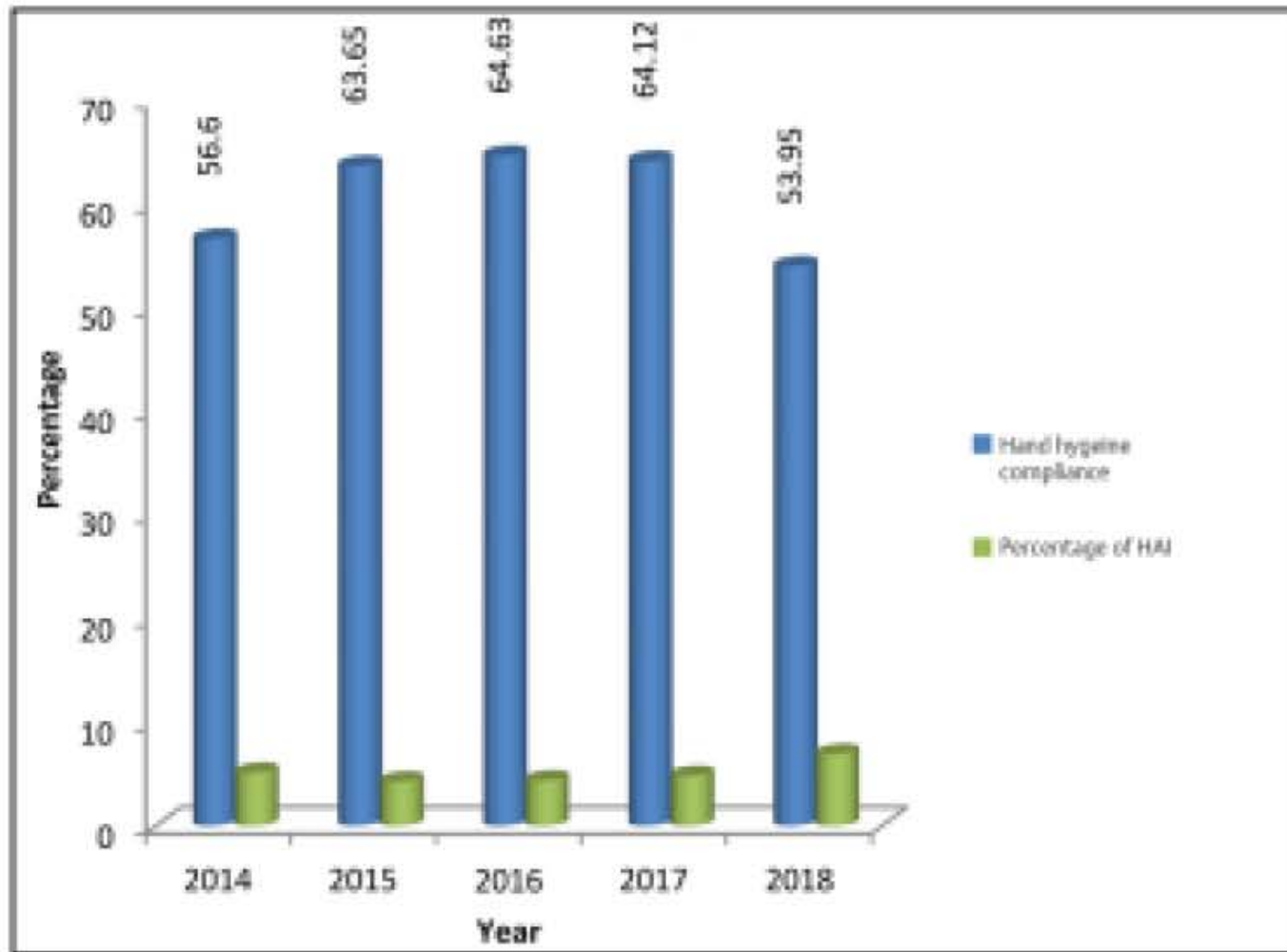


# Quality Assurance Metrics for Leadership



# Tell Our Story for Best Practice

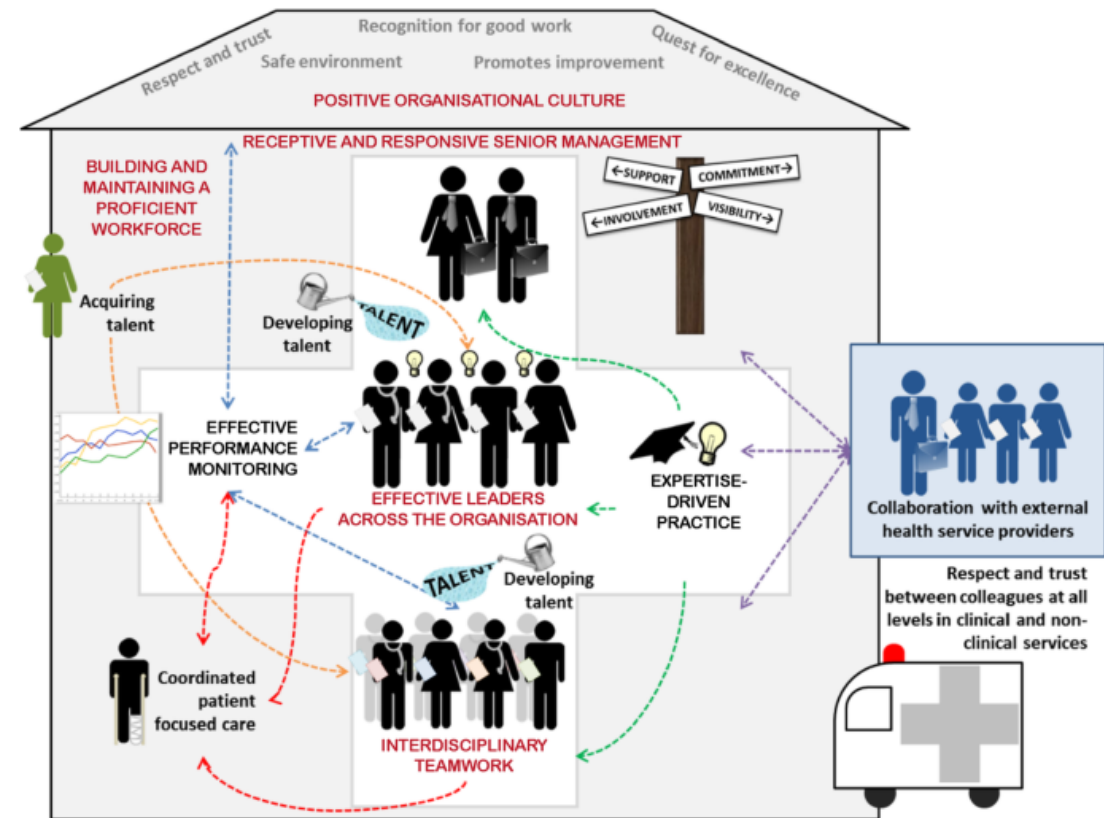




**Fig. 3** Percentage of hand hygiene compliance versus hospital-acquired infection (HAI) rates.

# Building Capacity at a System Level

What does this even mean?



# Resources for healthcare facilities in QA and ICP

- CDC Infection Control Assessment and Response (ICAR)s
  - [Infection Control Assessment and Response \(ICAR\) Tool for General Infection Prevention and Control \(IPC\) Across Settings | HAIs | CDC](#)
- Self-Led Infection Control Evaluation (SLICE)
  - [SLICE | innovateIPC.org](#)



# ICARs

- [Module 1 – Training, Audits, Feedback](#) PDF
- [Module 2 – Hand Hygiene](#) PDF
- [Module 3 – Transmission-Based Precautions \(TBP\)](#) PDF
- [Module 4 – Environmental Services \(EVS\)](#) PDF
- [Module 5 – High-level Disinfection and Sterilization](#) PDF
- [Module 6 – Injection Safety](#) PDF
- [Module 7 – Point of Care \(POC\) Blood Testing](#) PDF
- [Module 8 – Wound Care](#) PDF
- [Module 9 – Healthcare Laundry](#) PDF
- [Module 10 – Antibiotic Stewardship](#) PDF
- [Module 11 – Water Exposure](#) PDF

# SLICE

Infection Prevention & Control Program
Hand Hygiene
Injection Safety
Surveillance
Standard & Transmission-Based Precautions
Personal Protective Equipment (PPE)
Device Reprocessing
Environment of Care
Environmental Cleaning
Clostridioides difficile Infection (CDI)
Central Line-associated Bloodstream Infection (CLABSI)
Catheter-associated Urinary Tract Infections (CAUTI)
Hospital-Associated Pneumonia (VAE & PNEU)
Surgical Site Infection (SSI)



# Interactive Activity



# Links to APIC and CDC Educational Resources

## Association for Professionals in Infection Control and Epidemiology (APIC)

- Educational Opportunities: [Infection Prevention Training & Education – APIC](#)

## Centers for Disease Control and Prevention (CDC)

- Training and Education Resources: [Training and Education Resources | Infection Control | CDC](#)

## Centers for Disease Control and Prevention: Project Firstline

- Access Infection Control Education Materials: [Access Educational Materials from Project Firstline | Infection Control | CDC](#)



# Links to Dental Educational Resources

## Centers for Disease Control and Prevention

- Oral Health Training Courses for Infection Prevention and Control in the Dental Settings: [IPC Training | Oral Health | CDC](#)

## OSAP Dental Infection Prevention and Safety Association

- Event Calendar: [Event Calendar \(osap.org\)](#)

## OSAP Dental Infection Prevention and Safety Association

- Beyond Basics Instrument Reprocessing, Standards and Best Practices in the Dental Office (On-Demand): [Dental Infection Prevention and Safety CE Center | OSAP - Beyond Basics: Instrument Reprocessing, Standards and Best Practices in the Dental Office \(On-Demand\) \(mclms.net\)](#)



# Links to Certification Resources

## Certification in Infection Control (CIC)

- Certification Board of Infection Control and Epidemiology, Inc.: [Get Certified \(cbic.org\)](http://cbic.org)

## Certified in Dental Infection Prevention and Control (CDIPC)

- Dental Assisting National Board (DANB) and OSAP: [CDIPC-Flier.pdf \(dentalinfectioncontrol.org\)](http://dentalinfectioncontrol.org),

[DANB and OSAP launch Certified in Dental Infection Prevention and Control \(CDIPC\) certification | DANB](#)



# Summary

- Quality Assurance is the process of ensuring and improving the quality of care provided to patients.
- Accreditation Readiness refers to the preparation of a program for the accreditation review process
- Quality Assurance and Infection Control and Prevention are both integrated into the NAHQ model showing a framework for a competent healthcare quality program
- Surveillance performed by the Infection Control and Prevention program is how we tell our story and the Quality Assurance lens keeps us on track for accreditation readiness and improvement
- Building capacity comes from external support, internal growth, culture of safety, retention of proficient staff, and multidisciplinary teamwork
- Resources for Quality Assurance and Infection Control and Prevention include ICARs and SLICE



# Questions



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