

# Management & Communication of the Infection Prevention Program

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Jeri started her healthcare career as an Army Medic and Surgical Technician 30 years ago and is currently serving as the Manager of Infection Prevention and Control at Santa Clara Valley Medical Center, in San Jose. Jeri earned her Doctor of Nursing Practice (DNP) from Capella University, specializing in System Management, Healthcare Delivery, and Leadership, and holds a Bachelor of Science in Nursing from South Dakota State University. She is board certified in Infection Prevention and Control (CIC), Long-Term Care Infection Prevention (LTC-CIP), and recently Advanced Leadership- CIP and maintains multiple certifications in sterile processing and endoscope reprocessing, including CRCST, CER, and CHL. She presented at the APIC 2024 Annual Conference on Infection Prevention in Sterile Processing, sharing insights on mitigating risks and enhancing patient safety. In addition, Jeri was the lead author on APIC's Issue Brief: The Science Behind Endoscope Reprocessing.

# Objectives

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- Understand key components of an Infection Prevention Plan
- Apply regulatory and implementation science principles
- Integrate education and QAPI into practice
- Explore leadership in infection prevention

# Risk Assessment / Gap Analysis

Infection Control Assessment and Response (ICAR) Tool for General Infection Prevention and Control (IPC) Across Settings

## Section 1: Facility Demographics and Infection Prevention and Control (IPC) Infrastructure Long-Term Care

### General Facility Demographics and IPC Infrastructure

Date of Assessment: \_\_\_\_\_

Facility Name: \_\_\_\_\_

State/Territory: \_\_\_\_\_

County: \_\_\_\_\_

Zip Code: \_\_\_\_\_

State/Territory-assigned Unique ID (if applicable): \_\_\_\_\_

Facility type (Complete the demographic form that corresponds to the type of facility):

- Acute Care Hospital / Critical Access Hospital
- Long-term Care
- Outpatient/Ambulatory Care
- Other (specify): \_\_\_\_\_

NHSN Facility Organization ID (if applicable): \_\_\_\_\_

CMS Facility ID (if applicable): \_\_\_\_\_

<https://www.cdc.gov/healthcare-associated-infections/php/toolkit/icar.html>

# Risk Assessment / Gap Analysis

## Facilitator Guide Assessment Modules:

- [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

<https://www.cdc.gov/healthcare-associated-infections/php/toolkit/icar.html>

# Risk Assessment / Gap Analysis

## Observation Forms:

- [Observation Form – Hand Hygiene](#) PDF
- [Observation Form – Transmission-Based Precautions \(TBP\)](#) PDF
- [Observation Form – Environmental Services \(EVS\)](#) PDF
- [Observation Form – High-level Disinfection and Sterilization](#) PDF
- [Observation Form – Injection Safety](#) PDF
- [Observation Form – Point of Care \(POC\) Blood Testing](#) PDF
- [Observation Form – Wound Care](#) PDF
- [Observation Form – Healthcare Laundry](#) PDF
- [Observation Form – Water Exposure](#) PDF

<https://www.cdc.gov/healthcare-associated-infections/php/toolkit/icar.html>

# Risk Assessment / Gap Analysis

Facility and infection-specific risk assessments

EVENT	PROBABILITY OF OCCURRENCE (How likely is this to occur) <sup>1</sup>				RISK LEVEL OF FAILURE (What would be the most likely) <sup>2</sup>				POTENTIAL CHANGE IN CARE (Will treatment/care be needed for resident/staff) <sup>3</sup>				PREPAREDNESS (Are processes in place and can they work) <sup>4</sup>			YEAR: _____
	High	Med	Low	None	Life Threatening	Permanent Harm	Temp Harm	None	High	Med	Low	None	Poor	Fair	Good	
Score	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1	
Example: Lack of Communication with Transferring Facility	2				1				2				1		6	
External Factors (Community, Demographics) Identify other risk factors in the community based on geographic location (coast, mountains etc.)																
Risk of TB in the community Risk of emerging infectious disease in the community																
Internal Factors (Facility Related)																
<b>Facility Associated Infection(s)</b>																
Symptomatic urinary tract infection (SUTI)																
Influenza like illness																
Pneumonia																
LRTI (bronchitis)																
Cellulitis/soft tissue infection																
Scabies																
Gastroenteritis																
Norovirus																
Clostridium difficile																
Conjunctivitis																

<https://spice.unc.edu/resources/spice-ltc-infection-prevention-risk-assessment/>

# Risk Assessment / Gap Analysis

Facility and infection-specific risk assessments

INFECTION EVENT	PROBABILITY OF OCCURRENCE				LEVEL OF HARM FROM EVENT				IMPACT ON CARE				READINESS TO PREVENT			RISK LEVEL	
	(How likely is this to occur?)				(What would be the most likely?)				(Will new treatment/care be needed for resident/staff?)				(Are processes/resources in place to identify/address this event?)				
Score	High	Med.	Low	None	Serious Harm	Moderate Harm	Temp. Harm	None	High	Med.	Low	None	Poor	Fair	Good		
<b>Facility-onset Infection(s)</b>																	
<b>Device- or care-related</b>																	
Catheter-associated urinary tract infection (CAUTI)																	
Central line-associated bloodstream infection (CLABSI)																	
Tracheostomy-associated respiratory infection																	
Percutaneous-gastrostomy insertion site infection																	
Wound infection																	
Other (specify):																	
<b>Resident-related</b>																	
Symptomatic urinary tract infection (SUTI)																	
Pneumonia																	
Cellulitis/soft tissue																	
<i>Clostridioides difficile</i> infection																	
Tuberculosis*																	
Other (specify):																	
<b>Outbreak-related</b>																	
Influenza*																	
Other viral respiratory pathogens*																	
Norovirus gastroenteritis*																	
Bacterial gastroenteritis (e.g., <i>Salmonella</i> , <i>Shigella</i> )																	
Scabies																	

<https://www.cdc.gov/long-term-care-facilities/media/excel/IPC-RiskAssessment.xlsx>

# Risk Assessment Application

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- Prioritization and stratification
- Linking risk data to planning

# IP Plan – Core Components

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- Regulatory requirements (e.g., CMS, CDC, OSHA, state regs)
- Standards and Best Practices
- Facility demographics and resident acuity
- Emergency preparedness: Mitigation, Preparedness, Response, Recovery

# Policies & Procedures

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- Based on CDC, APIC, CMS F-tags, OSHA standards
- Regular review, with updates as needed
- Accessibility and proper staff use critical

# Implementation Science in LTC IP

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- Engage key stakeholders (nursing, EVS, admin, etc.)
- Build staff buy-in through visibility and communication
- Use rounding, coaching, and huddles as change tools

# Education & Training Principles

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- Adult learning theory: relevance, experience, self-direction
- Methods: Just-in-time, in-services, microlearning
- Use interactive sessions to build engagement

# Competency & Assessment

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- Return demonstration and hands-on validation
- Post-tests and audits for reinforcement
- Document all outcomes and follow-up actions

# Research & Evidence-Based Practice

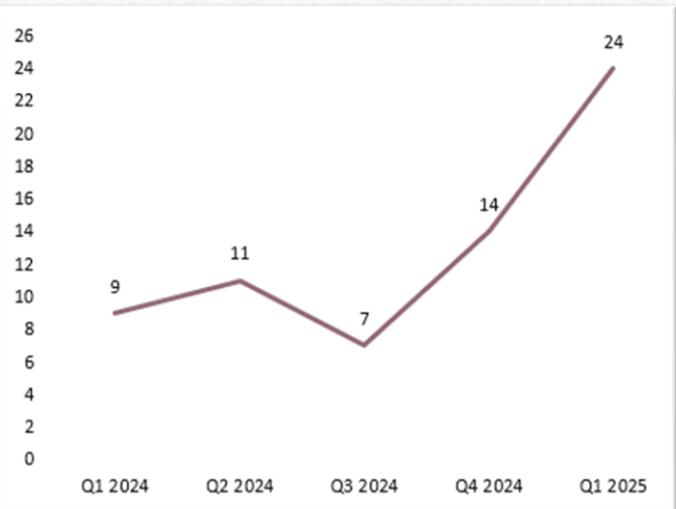
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- Literature review process and sources
- Peer-reviewed vs. non-reviewed
- Study design: qualitative, quantitative, experimental
- Statistics: p-values, confidence intervals, test use

# Interpreting Basic Charts

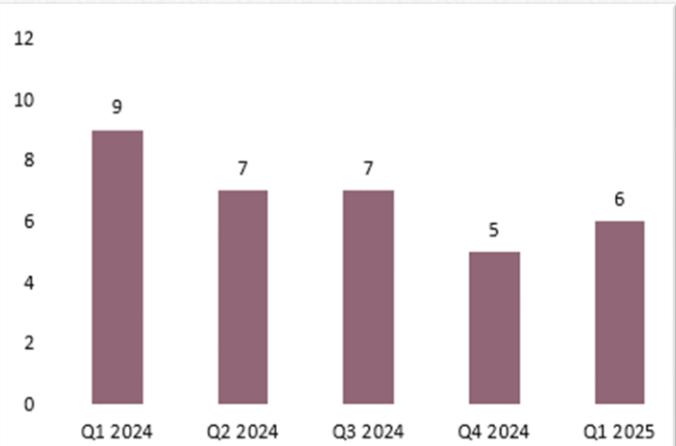
## Line Chart

often shows trends over time  
and is used to look for patterns



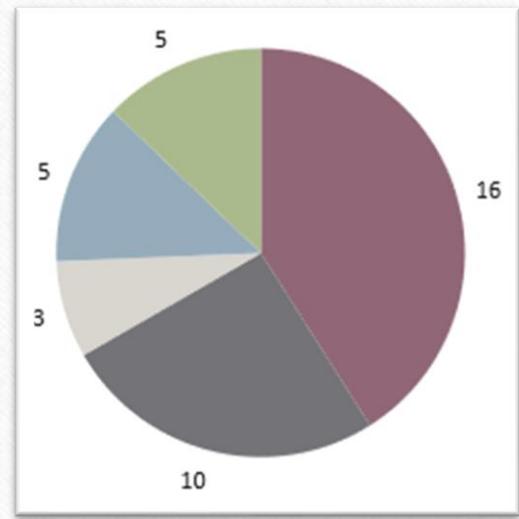
## Bar Chart

is good to compare categories



## Pie Chart

is best to show parts of a whole



# Interpreting Basic Charts

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## Trend

A general direction

Look for consistency over time rather than single spikes or drops

## P-Value

Statistical significance vs. random variation

## Confidence Interval (CI)

How sure are we?

## QAPI & Performance Improvement



<https://www.ahrq.gov/>



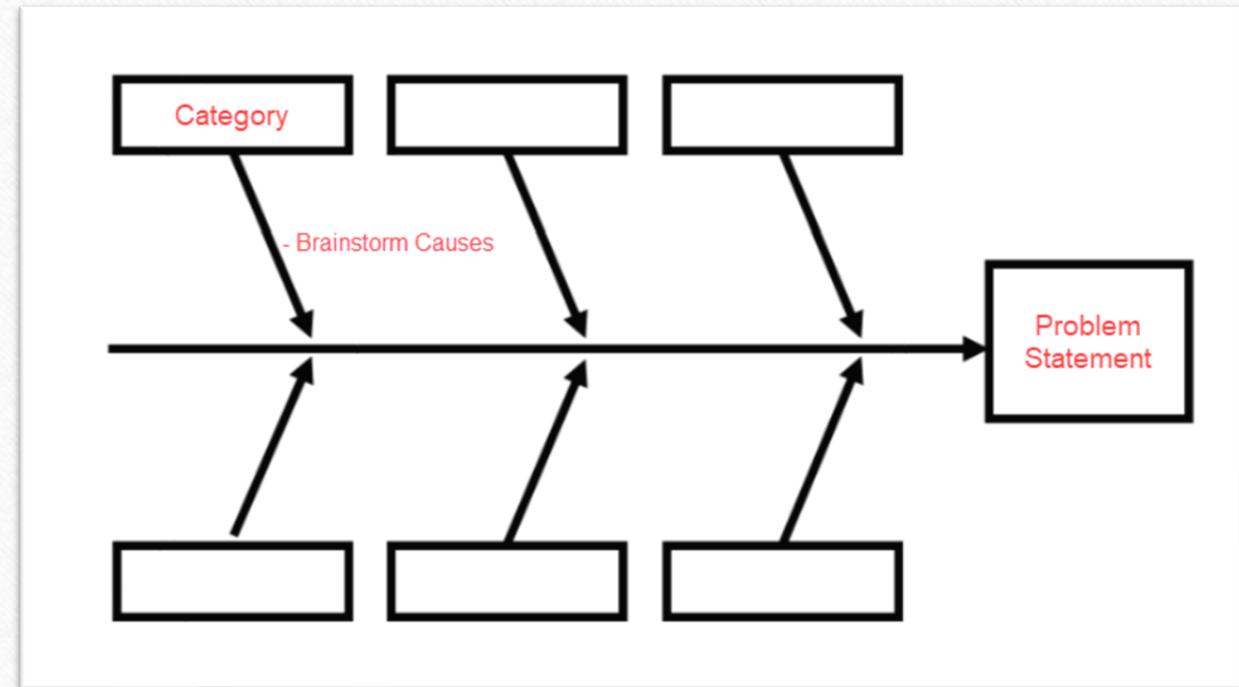
<https://www.ihi.org/>

### The Model for Improvement



## QAPI & Performance Improvement

### RCAs & Fishbone Diagrams



<https://www.ahrq.gov/>

# QAPI & Performance Improvement

FEMA

Steps in the Process	Failure Mode	Failure Causes	Failure Effects	Likelihood of Occurrence (1-10)	Likelihood of Detection (1-10)	Severity (1-10)	Risk Profile Number (RPN)	Actions to Reduce Occurrence of Failure
1								
2								
3								

<https://www.ihi.org/>

# QAPI & Performance Improvement

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- Align performance indicators to IP outcomes
- Develop a Culture of Safety
  - HAI, hand hygiene, and ABX use as measures
- Evaluation
  - Processes
  - Products

# Leadership

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- Transformational
- Servant
- Situational

# Professional Growth

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- Path to certification: CIC, LTC-CIP, AL-CIP
- CEs & IPUs: APIC courses, regional IP groups, webinars

# Summary

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- Plan → Policy → Implementation → Education → Evaluation
- Build a culture of infection prevention and system-wide safety.
- Encourage professional growth and proactive engagement at every level.

# Group Discussion

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- How are you currently incorporating QAPI into your infection prevention planning?
- What challenges have you faced with implementing new policies?

# References

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# Questions?

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