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Nursing Home Quality Essentials Spotlight: Infection Prevention

2

Synergizing Infection Prevention and QAPI for Ongoing Quality Improvement

Tuesday, November 26, 2024

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NURSING HOME QUALITY ESSENTIALS SPOTLIGHT: INFECTION PREVENTION

Tuesdays & Thursdays | 11 a.m. MT / Noon CT

As part of a contract extension from CMS, we're thrilled to relaunch Nursing Home Quality Essentials, focusing on infection prevention and control!

Join us twice a week for engaging 30-minute sessions tailored for long-term care providers. Each session will spotlight a new aspect of infection prevention, with actionable insights and strategies to integrate directly into daily practices.

Topics may include vaccines, healthcare-acquired infections, rehospitalizations, NHSN reporting, health literacy and more — each aimed at enhancing your infection prevention efforts.

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Synergizing Infection Prevention and QAPI for Ongoing Quality Improvement



Objectives

- Define Quality Assurance and Performance Improvement (QAPI) and synergizing infection prevention improvements
- Explain how data is used to recognize gaps in processes
- Describe mitigation steps for ongoing process improvement





Synergizing Infection Prevention (IP) and Quality Assessment Performance Improvement (QAPI) for Ongoing Quality Improvement

- Synergizing refers to the process of combining two or more elements, forces or groups in a way that produces a result greater than the sum of their individual effects
- Combine:
 - Infection prevention and QAPI leads to enhanced outcomes
 - Interdisciplinary team (IDT) to work together in a way that their collective skills and efforts produce better results than if they worked independently

As a team consider, how will you synergize the information shared in this presentation to create greater results?



Quality Assurance and Performance Improvement (QAPI)

What is QAPI?

- A proactive, data-driven approach to improve the **quality of life, care and services** in nursing homes
- Involves all members of the organization working together

Identify Opportunities for Improvement	Spot gaps in systems or processes
Develop & Implement Improvement Plans	Create action plans to address identified issues
Monitor Effectiveness	Continuously evaluate the success of interventions
Sustain the Gains	Ensure long-term improvements and maintain progress

Poll Question

What assessment/data do you use to annually review the infection prevention and control program? (Select all that apply)

- A. IPC audit tool for processes
- B. IPC risk assessment
- C. Infection Control Assessment and Response (ICAR) tool
- D. Regulation compliance audits
- E. Survey reports
- F. Infection tracking log
- G. Infection related adverse events
- H. Vaccine tracker
- I. Other share in chat
- J. I don't know



Data Assessments to Inform of Infection Prevention and Control (IPC) Practices



- <u>Telligen's Infection Prevention and Control Rounding Tool</u>
- <u>Telligen's IPC Risk Assessment</u> assists the facility assessment
- <u>Telligen's Audit Tracking Tool Workbook</u>
- <u>Facility Assessment Tool | qioprogram.org</u>
- <u>Critical Element Pathways</u> (Downloads < Survey Resources)
- <u>CDC Infection Control Assessment and Response (ICAR) Tool</u>
- State health departments conduct free ICAR assessments
 - Iowa HHS HAI: email <u>Hai-ar@hhs.iowa.gov</u>
 - Illinois DPH IP Liaison Program
 - Oklahoma DPH: email <u>HAI@health.ok.gov</u>; phone 405-426-8710
 - Colorado DPHE IP Program email: cdphe covid infection prevention@state.co.us



Components of the Facility Assessment*

§483.71, F838; State Operations Manual Appendix PP

***	Resident profile	Number of residents and facility capacity Types of care necessary to provide care based on the needs – includes infection control
Ŷ	Facility resources for resident needs	Equipment, supplies, services, third party arrangements, technology
	Facility staff	Governing body, licensed personnel, all staff in each department Education, training and competencies – includes infection control (IC)
***	Infection control	Facility and community risk assessment
*List is not all-	inclusive essment Tool Lajoprogram.org	North Strategy Contract Strate

Partnering to improve health outcomes through relationships and data

What is the IPC Risk Assessment and What Does it Do?

Living, breathing, moving and adjustable document

An honest, self-assessment of your facility's IPC program elements

Acts as an important multidisciplinary team tool

Forms a foundation for a comprehensive IPC program

Assists in prioritizing to achieve the outcomes for wanted/needed improvements

Helps policy evolution as goals and measurable objectives change

Maintains a solid framework for consistent safety of residents, staff and others



Telligen's IPC Risk Assessment

• Infection event risks

	PROBABILITY OF OCCURRENCE				LEVEL OF HARM FROM EVENT					IMPACT	ON CARE		READIN	ESS TO PR	REVENT	RISK LEVEL		
INFECTION EVENT	(How likely is this to occur?)				(What would be the most likely?)				(Will ne	w treatment residen		eded for		sses/resourd /address th	ces in place is event?)	(Scores ≥ 8 are considered highest		
					Serious	Moderate	Temp.						_			priority for improvement efforts.)		
Score	High	Med.	Low	None	Harm	Harm	Harm	None	High	Med.	Low	None	Poor	Fair	Good	priority for improvement energy		
	3	2	1	0	3	2	1	0	3	2	1	0	3	2	1			
Facility-onset Infections(s)																		
Device- or care-related																		
Resident-related																		
Outbreak-related																		

• IPC practice failures risks

IPC PRACTICE FAILURES	PROB	PROBABILITY OF OCCURRENCE				IMPACT ON RESIDENT/STAFF SAFETY				CITY TO D	ETECT	READIN	ESS TO P	REVENT	RISK LEVEL		
	(How likely is this to occur?)				(Will this failure directly impact safety?)					ocesses in tify this failu		(Are policie resources a this failure?	available to		(Scores ≥ 8 are considered highest priority for improvement efforts.)		
	High	Med.	Low	None	High	Med.	Low	None	Poor	Fair	Good	Poor	Fair	Good	priority for improvement enous.)		
Score	3	2	1	0	3	2	1	0	3	2	1	3	2	1			
Care activity																	
Occupational health																	
Resident/visitor health																	
Environment																	
Medical Devices and																	
Equipment																	
Antibiotic Stewardship																	

Assess Regulation Compliance for Gaps

- §483.80 Infection Control (f) Annual review: "The facility will conduct an annual review of its IPCP and update their program as necessary."
 - Annual review of IPCP "The facility's IPCP and its standards, policies and procedures must be reviewed at least annually to ensure effectiveness and that they are in accordance with current standards of practice for preventing and controlling infections; the IPCP must be updated as necessary. In addition, the facility population and characteristics may change over time, and the **facility assessment** may identify components of the IPCP that must be changed accordingly."



Multiple Survey Pathways Include Elements of Infection Control

CMS Critical Element Pathway form:

- 20054 Infection Prevention, Control & Immunization
- 20068 Urinary Catheters or UTI
- 20123 Hospitalizations
- 20062 Sufficient and Competent Staff
- 20078 Pressure Ulcers
- 20055 Kitchen
- 20053 Dining
- 20056 Medication Administration

CENTER	s FOR MEDICARE & MEDICAID SERVICES Infection Prevention, Control & Immunizations
Cool	dination:
	ach surveyor is responsible for assessing the facility for breaks in infection control throughout the survey and is to answer CEs of concer .g., standard and transmission-based precautions, source control).
	ne surveyor performs or coordinates (e.g., immunization review) the facility task to review for:
:	Standard and transmission-based precautions Resident care for COVID-19
:	Infection Prevention and Control Program (IPCP) standards, policies, and procedures Infection surveillance
•	Visitor entry
•	Staff and resident COVID-19 testing
•	Suspected or confirmed COVID-19 reporting to residents, representatives, and families
•	Laundry services
•	Antibiotic stewardship program Infection Preventionist
	Influenza, pneumococcal, and COVID-19 immunizations
	ample residents/staff as follows:
	•
•	Sample three staff, include at least one staff member who was confirmed COVID-19 positive or had signs or symptoms consistent with COVID-19 (if this has occurred in the facility), for purposes of determining compliance with infection prevention and control national standards such as exclusion from work, testing, and reporting.
	Sample three residents for purposes of determining compliance with infection prevention and control national standards such as
	transmission-based precautions, as well as resident care, screening, testing, and reporting.
	 Include at least one resident who was confirmed COVID-19 positive or had signs or symptoms consistent with COVID-19 (if a Include at least one resident on transmission-based precautions (if any), for any reason other than COVID-19.
•	Sample five residents for influenza, pneumococcal, and COVID-19 immunizations (select COVID-19 unvaccinated residents).
	Note: If there are less than five COVID-19 unvaccinated residents, review all unvaccinated COVID-19 residents first. Then, select res
	who are fully vaccinated to complete the sample.
•	Sample eight staff (four staff and four contracted staff) for COVID-19 immunization review.
Stan	dard and Transmission-Based Precautions (TBPs)
	tate and Federal surveyors should not cite facilities for not having certain supplies (e.g., Personal Protective Equipment (PPE) such as go
	195 respirators, surgical masks) if they are having difficulty obtaining these supplies for reasons outside of their control (e.g., national or
	gional shortage). However, we do expect facilities to take actions to mitigate any resource shortages and show they are taking all approp
	eps to obtain the necessary supplies as soon as possible. Current CDC guidance for healthcare professionals is located at:
MS-200	54 (4/2022)



Know the Requirements to Guide Activity

eCFR :: 42 CFR 483.75 -- Quality assurance and performance improvement

• Informs of all elements within the QAPI program, addresses all systems of care and management practices, guides policy, processes and improvement activities

eCFR :: 42 CFR 483.80 -- Infection control

• Informs of all systems within the infection control program that need to be monitored, processes in place and functioning well to meet compliance

eCFR :: 42 CFR 483.95 -- Training requirements

A facility must determine the amount and types of training necessary based on a facility assessment – infection control;
 A facility must include as part of its infection prevention and control program mandatory training

CMS QSO-22-19-NH

• Infection prevention & QAPI guidance released

<u>CMS QSO-23-10-NH</u>

• Enhanced enforcement for infection control deficiencies includes RCA & quality improvement organizations (QIOs)

CMS QSO-21-15-ALL

 Emergency Preparedness – Appendix Z includes readiness for infection (COVID-19) outbreak response; State Operations Manual §483.73



Facility Data for Gap Analysis

Internal data sources:

- Survey reports F880 tag, or other ICrelated tag
- Electronic healthcare record reports
- Incident/adverse event reports
- Assessments
- Staff and resident/family feedback
- Audits for practice performance
- Tracking logs
 - Drivers for unplanned transfer reports
 - Infection surveillance and tracking
 - Antibiotic use
 - Immunization uptake for residents and staff

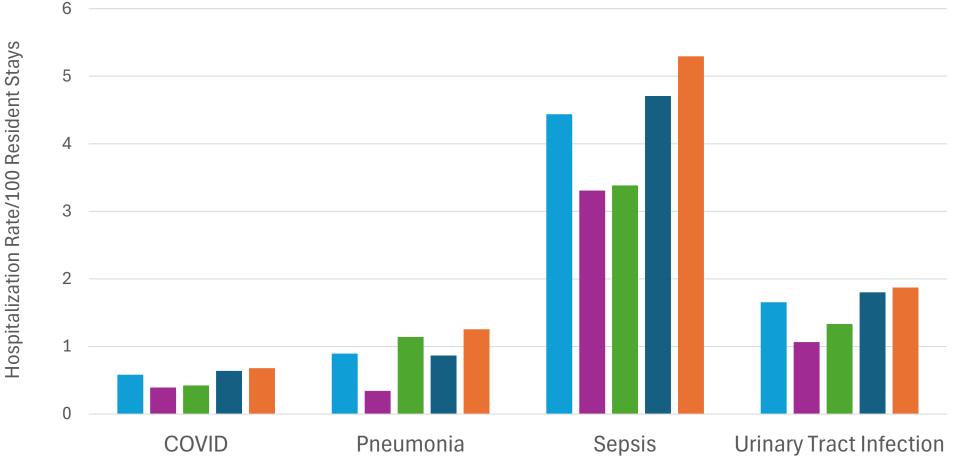
External data sources:

- MDS CASPER reports
- Five-Star Provider Rating Report
- Lab reports
- Antibiogram
- Pharmacy reports
- Hospital treating diagnosis
- Telligen



Healthcare-Associated Infections Requiring Hospitalization **Among Short Stay Nursing Home Residents** May 2023 - April 2024

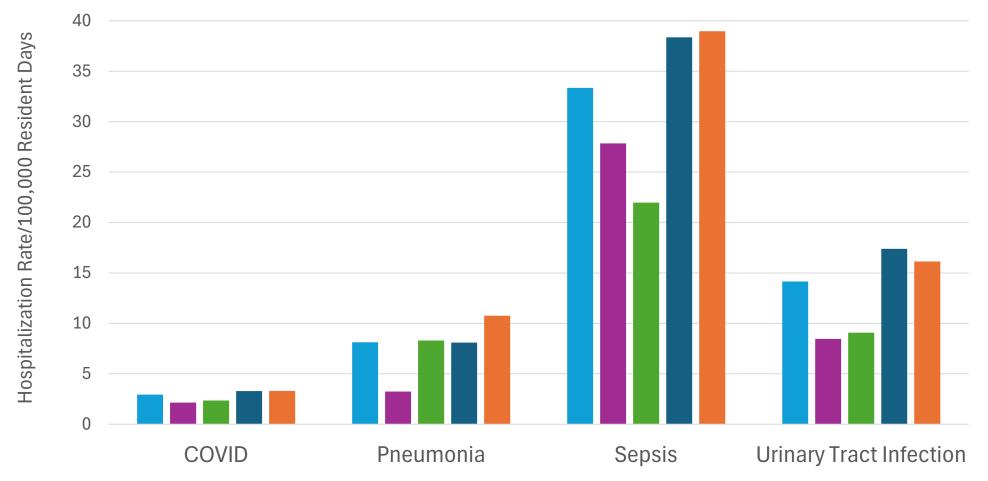
■ Telligen Region ■ CO ■ IA ■ IL ■ OK



Data Source: Medicare FFS part-A claims data for nursing home residents.

Healthcare-Associated Infections Requiring Hospitalization Among Long Stay Nursing Home Residents May 2023 - April 2024

■ Telligen Region ■ CO ■ IA ■ IL ■ OK



Data Source: Medicare FFS part-A claims data for nursing home residents.

Data Reviewed by the Quality Assurance and Assessment (QAA) Committee



QAA/QAPI Meeting Agenda

<Name of Nursing Home>

<Date of Meeting>

++ Participants						
Name				Title		
Updates or Outsta	nding Items From Last Me	eting				L
Item	nung renis rion	icting.			Current status	
5 Star Rating						
Overall	Health Inspection	Staffing	Quality of Resident Care	Directed Plan of	Cited for Abuse	
				Correction Issued (Yes or	No) (Yes or <u>No</u>)	
Discussion:						
Discussion.						
Actions:						
Current Quality As	sessment and Assurance	Activities				

- Infection outbreak events (e.g.; COVID-19 occurrences)
- Adverse events (e.g.; sepsis, hospital transfers)
- Infection control activity/surveillance
- Antibiotic stewardship
- Hand hygiene compliance audits
- Use of PPE compliance audits
- Widespread quality of care
- Pressure injuries, wounds (potential for infection)
- And more...

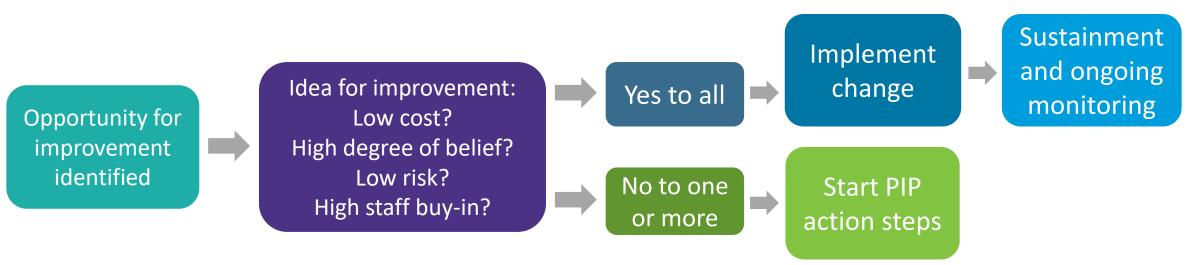
QAA Committee actions:

- ✓ Review data
- Identify concerns
- Prioritize QI activity
- ✓ Refer issues to the QAPI steering committee
- Monitor progress and outcomes



Performance Improvement Project (PIP)

To PIP or not to PIP?







In chat, share what IPC related PIP focus area(s) that are currently in progress or have conducted over the past year





PIP Action Steps for the IPC Process Gap



Step One – Assess the IPC Program



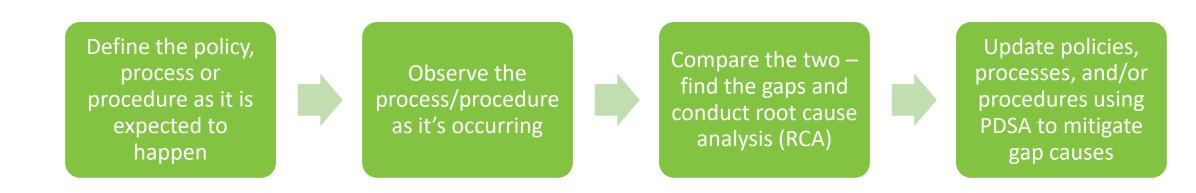
- Using data, identify gaps
 - Complete:
 - Facility assessment
 - IPC rounding tool
 - IPC risk assessment
 - ICAR
 - Audits
 - Regulation compliance analysis
 - Define the challenge/problem
 - Prioritize and start with the highest priority issue



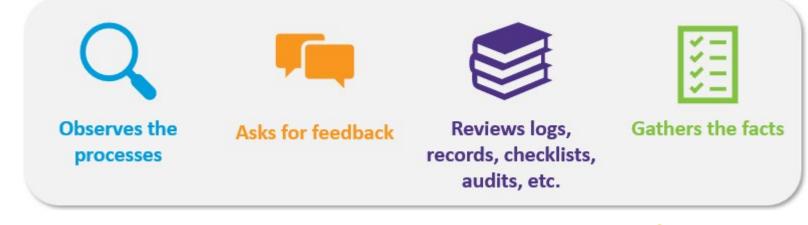




Step Two – Facility Policy/Procedure/Investigation of the Gap



RCA investigates the problem/gap identified







Step Three – Staff Training/Competency Evaluations



- At the time of employment
- At least annually
- Anytime new updates occur in the IPC program

"Education and competency assessment: facilities must ensure staff follow the IPCP's standards, policies and procedures. Therefore, staff must be informed and competent. Knowledge and skills pertaining to the IPCP's standards, policies and procedures are needed by all staff in order to follow proper infection control practices... Furthermore, residents and their representatives should receive education on the facility's IPCP as it relates to them..." -Appendix PP State Operations Manual

https://www.cms.gov/Medicare/Provider-Enrollment-and-Certification/GuidanceforLawsAndRegulations/Nursing-Homes



Training Resource - Examples



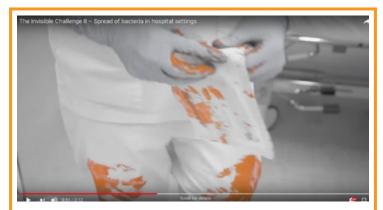
CMS Targeted COVID-19 Training for Frontline Nursing Home Staff and Management



CMS Targeted COVID-19 Training for Frontline Nursing Home Staff & Management The <u>Centers for Medicare & Medicaid Services (CMS) Targeted COVID-19</u> <u>Training for Frontline Nursing Home Staff and Management</u> is a great resource for nursing home staff to put the latest information regarding infection control, COVID-19 preparedness, resident-centered care, vaccine distribution and other important topics into practice.

The **User Guide** and **Kudos Kit** were designed to help nursing home teams access the free, on-demand trainings and celebrate the staff who complete them.

https://qioprogram.org/cms-targeted-covid-19-trainingfrontline-nursing-home-staff-and-management



Hand Hygiene and Glove Usage https://www.youtube.com/watch?v=9R8fHo6WfzY&feat ure=youtu.be



https://www.cdc.gov/infectioncontrol/projectfirst line/index.html

CDC TRAIN

Nursing Home Infection Preventionist Training Course https://www.train.org/cdctrain/training_plan/3814

APIC Infection Preventionist Competency Model

https://apic.org/professionalpractice/infection-preventionistip-competency-model/ CDC Learning Connection https://www.cdc.gov/tr aining/learning/index.h tml CDC Hand Hygiene, Glove Use and Preventing Transmission Educational Courses https://www.cdc.gov/handhygiene/providers/training/index.html

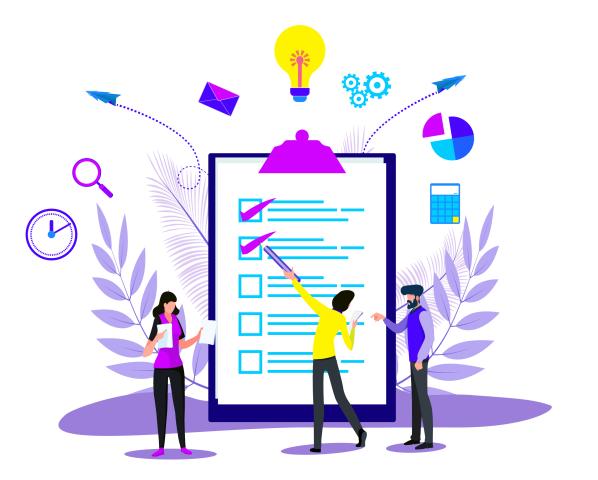
> State Specific Project Firstline Video Resources

CDC / STRIVE Infection Control Training https://www.cdc.gov/infectioncontrol/training/strive.html?deliveryName=USCDC 425-DHQP-DM9328



Step Four – Staff Performance

- The facility routinely audits adherence to processes
 - Monitors and documents
- Performance is recorded
- Audits occur with all staff and all shifts for several activities
- Reports of performance are provided to the QAPI committee to assist with necessary support





Performance Checklists – Examples



Telling and the end of	ne, to track if your quality	CONDUCT THE ANTIBIOTIC TIME-OUT, Complete the Antibiotic Time-Out Complete the Antibiotic Time-Out SAR. CONDUCT THE ANTIBIOTIC TIME-OUT, Complete the Antibiotic Time-Out Checklist (see reverse) with the pre-	n will 48-72 hours. ipion (or escribing		nect nships and dat CTION TOOL		 Re Da	eviewer:	s Name (s Name sertion (i	if known)	_Unit/F	loor		N Date	Athe And Rec Review	# Ved	JC)	
Who are you observance.exercises Audit worksheet New Yes No N/A Identify and gather the proper pPE to don. Ensure choice of grann size is correct (based on training). Perform hand tyngiene Perform hand tyngiene Bergiene hand the second ender and Both year mouth and moze should be available Both year mouth and moze should be available Both year mouth and moze should be available placed on comor of head (one gran) are began placed on comor of head (one gran) and began Resented fixed the should be second on Facemask. Mask thes should be second on available to a base of next	Hand Hygiene Competency Use this tool to conduct observation audits of hand hy calculator to get a compliance rate. Hand hygiene com	iene and track compliance. The tool includes a compliance liance is critical for inflection prevention, consider developing a ol to measure compliance rates over time, to track if your quality Date:	e starting the	 if available), prescribed for the right reason and with the right drug, dose, duration, route and documentation. Rationale Establish parameters for performance of an Antibiotic Time-Out and thereby optimize antibiotic selection and use based on clinical response and laboratory findings within 48-72 hours of antibiotic initiation. 				I. ROUTINELY ASSESS IUC APPROPRIATENESS 1. Is the need for the catheter assessed on a routine basis (e.g., daily, weekly, monthly)? Date Last assessed: / I. BEFORE IUC MAINTENANCE / I. Identify the resident per facility policy. Explain the procedure to the resident. / 2. Assemble and verify supplies (e.g., wash cloth, soan basin, clean gloves and consider /							✓ COMMENTS Note frequency: ✓ COMMENTS			
crowing fire fire <th>In an residence areas?</th> <th>N/A Feedback</th> <th>File Ho H12 A 1 2 2 TERM 3 Record of 4 0 = NOT 5 The percent</th> <th>me Insert Pag i X fx B IINAL CLEAI IINAL CLEAI TCLEAN, X = centage of indivi eport aggregate Dai</th> <th>Layout Formulas</th> <th>Data Re E ce on the ch BLANK = N ned will be a</th> <th>F heck list for NOT EVALU automatical egory highli</th> <th>Automate G every room JABLE N ly calculate ighted in Sh</th> <th>Help H n monitored NOTE - USE d in Sheet 2</th> <th>d. Use the foll E CAP LETTE 2 (Aggregate S</th> <th>J lowing sym ERS "X" Al Score Sheet</th> <th>K bols for ma ND "O" t).</th> <th>L</th> <th></th> <th>N Rm inner doorknob</th> <th>O BR inner doorknob</th> <th>P BR light switch</th> <th>E</th>	In an residence areas?	N/A Feedback	File Ho H12 A 1 2 2 TERM 3 Record of 4 0 = NOT 5 The percent	me Insert Pag i X fx B IINAL CLEAI IINAL CLEAI TCLEAN, X = centage of indivi eport aggregate Dai	Layout Formulas	Data Re E ce on the ch BLANK = N ned will be a	F heck list for NOT EVALU automatical egory highli	Automate G every room JABLE N ly calculate ighted in Sh	Help H n monitored NOTE - USE d in Sheet 2	d. Use the foll E CAP LETTE 2 (Aggregate S	J lowing sym ERS "X" Al Score Sheet	K bols for ma ND "O" t).	L		N Rm inner doorknob	O BR inner doorknob	P BR light switch	E

<u>Resources | Telligen QI Connect</u>

Audit Tracking Tool Workbook | Telligen QI Connect

Appendix H. Indwelling Urinary Catheter Maintenance Checklist | Agency for Healthcare Research and Quality (ahrq.gov)

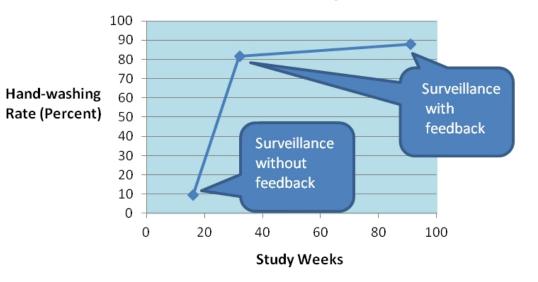
Options for Evaluating Environmental Cleaning | HAI | CDC

Step Five – Provide Feedback

- Provide feedback to personnel regarding their performance
- Provide just-in-time training for staff not following the policy
- Results from step four and five combined
- May need to circle back to step three

Hand-washing Happens

When feedback is provided





Infection Preventionist

Nursing Homes | CMS State Operations Manual





Case Study

A 53-bed nursing home with a current resident census of 48 is conducting its annual infection prevention and control (IPC) program review. The Infection Preventionist (IP) is responsible for assessing the facility's infection prevention measures in accordance with regulatory requirements, identifying any gaps, and prioritizing areas for improvement. During the annual IPC review, the IP uncovers several critical findings, some are listed below.

- The facility experienced two separate COVID-19 outbreaks within the year:
 - Outbreak 1: Involved 28 residents and 11 staff members.
 - Outbreak 2: A smaller outbreak, involving 6 residents and 3 staff members.
- The IP notes concerning vaccination rates:
 - Only 33% of residents are up to date with the COVID-19 vaccine.
 - 7% of staff are up to date with the COVID-19 vaccine.
- A Hand Hygiene PIP was initiated earlier in the year to improve compliance across all staff. However, the PIP was interrupted by other priorities, including a state survey and several urgent facility issues. As a result, the planned audits and follow-up on hand hygiene compliance were not completed as originally planned.

The IP concludes the annual review by briefly scanning the IPC program policy and procedure to update it with the current review date. At the quarterly Quality Assurance and Assessment (QAA) meeting, the IP presents the findings to the team. The team moves forward in the meeting with other department leader updates.



Poll Question

How will you synergize the information shared in this presentation? (select all that apply)

- A. Apply key concepts immediately to my work processes to improve efficiency and outcomes
- **B.** Collaborate with colleagues to discuss and refine ideas, creating actionable strategies based on the presentation
- **C. Integrate the insights** into long-term planning, aligning them with current and future projects to ensure consistency and alignment
- **D.** Use the information to inspire innovation by exploring new approaches, methods, or tools that enhance problem-solving
- **E. Review and reflect on the content** in the coming days to ensure full understanding and identify areas for further development
- **F.** Create a knowledge-sharing session to disseminate the information to others in my team or organization, ensuring collective growth
- G. Do something else share in chat



Resources

- Infection Prevention and Control Resources | Telligen QI Connect
- <u>Guidebook for Infection Prevention and Control Preparedness | Telligen QI Connect</u>
- All-Cause Harm Prevention in Nursing Homes Change Package | Telligen QI Connect
- <u>Telligen's Quality Improvement Workbook</u>
- <u>Telligen's Quality Improvement Process Steps and Tools</u>
- <u>Telligen's On-Demand Learning</u> RCA & PDSA training
- Infection Preventionist Orientation Checklist | Telligen QI Connect
- Incorporating Infection Prevention and Control into an Emergency Preparedness Plan (ahrg.gov)
- CMS QAPI at a Glance
- <u>CMS Process Framework Tool</u>
- Toolkit To Educate and Engage Residents and Family Members | ahrq.gov
- <u>CMS Sustainability Decision Guide</u>
- Module 6: Sustainability: Facilitator Notes | Agency for Healthcare Research and Quality (ahrq.gov)







Contact Us



- General Inquiries | <u>QIConnect@telligen.com</u>
- www.telligenqiconnect.com
- Nursing Home Team | <u>nursinghome@telligen.com</u>



NURSING HOME QUALITY ESSENTIALS SPOTLIGHT: INFECTION PREVENTION

Tuesdays & Thursdays | 11 a.m. MT / Noon CT

Don't miss out on these upcoming offerings:

Tuesday, December 3, 2024

Infection Prevention – Prevention Power: Strategies to Reduce COVID-19 Related Hospital Readmissions

Thursday, December 5, 2024

Infection Prevention – A Day in the Life: The Role of an Infection Preventionist

Tuesday, December 10, 2024

Infection Prevention – NHSN Office Hours

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