Nursing Home Patient Safety Series: Reducing Facility-Associated Infections and Hospitalizations Related to UTI, Sepsis, Pneumonia and COVID-19



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Quality Innovation Network -Quality Innovation Network -EXTER'S FOR MEDICARE & MEDICAI D SERVICES QUALITY IMPROVEMENT & INNOVATION GROUI

Making Health Care Better Together

About Alliant Health Solutions



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INFECTION PREVENTION SPECIALIST

Erica Umeakunne is an adult-gerontology nurse practitioner and infection preventionist with experience in primary care, critical care, health care administration, and public health.

She previously served as the interim hospital epidemiology director for a large health care system in Atlanta and as a nurse consultant in the Center for Disease Control and Prevention's (CDC) Division of Healthcare Quality Promotion. While at the CDC, she served as an infection prevention and control (IPC) subject matter expert for domestic and international IPC initiatives and emergency responses, including Ebola outbreaks and, most recently, the COVID-19 pandemic.

Erica enjoys reading, traveling, family time and outdoor activities.

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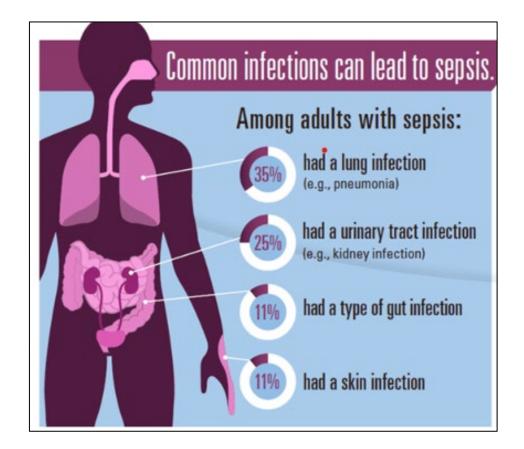
Objectives

- Summarize infection prevention interventions to reduce the burden of sepsis, urinary tract infections (UTIs), pneumonia, and COVID-19 in nursing homes
- Emphasize strategies to reduce COVID-19 infections and complications in nursing home residents
- Share Alliant Health Solutions quality improvement resources to support infection prevention and control (IPC) activities



Sepsis Facts

- At least 1.7 million adults in America develop sepsis
- At least **350,000** adults who develop sepsis die during their hospitalization or are discharged to hospice
- 1 in 3 people who dies in a hospital had sepsis during that hospitalization
- Sepsis, or the infection causing sepsis, starts before a patient goes to the hospital in nearly **87%** of cases
- Risk factors:
 - Adults 65 or older
 - People with weakened immune systems
 - People with chronic medical conditions, such as diabetes, lung disease, cancer, and kidney disease
 - People with recent severe illness or hospitalization, including due to severe COVID-19
 - People who survived sepsis
 - Children younger than one





Sepsis: Nursing Homes

- Nursing home residents are seven-fold more likely to have a severe sepsis diagnosis compared to non-nursing home residents (Ginde et al., 2013)
- Nursing home residents with severe sepsis, compared to non-nursing home residents, had significantly higher rates of ICU admission (40% vs. 21%), hospital LOS (median 7 vs. 5 days) and in-hospital mortality (37% vs. 15%) (Ginde et al., 2013)
- NHs need better systems to monitor residents' changing status and present that information to medical providers in real-time through rapid medical response programs or telemetry (Sloane et al., 2018).
 - Documentation of 1 or more vital signs was absent in 26% 34% of cases
 - Data points were missing from the record
 - 65% of cases met the criteria for sepsis

Ginde, A. A., Moss, M., Shapiro, N. I., & Schwartz, R. S. (2013). Impact of older age and nursing home residence on clinical outcomes of US emergency department visits for severe sepsis. *Journal of critical care*, 28(5), 606-611.

Sloane, P. D., Ward, K., Weber, D. J., Kistler, C. E., Brown, B., Davis, K., & Zimmerman, S. (2018). Can sepsis be detected in the nursing home prior to the need for hospital transfer?. Journal of the American Medical Directors Association, 19(6), 492-496.



Prevent Sepsis and Improve Early Recognition

Prevent infections

Establish an infection prevention and control (IPC) program

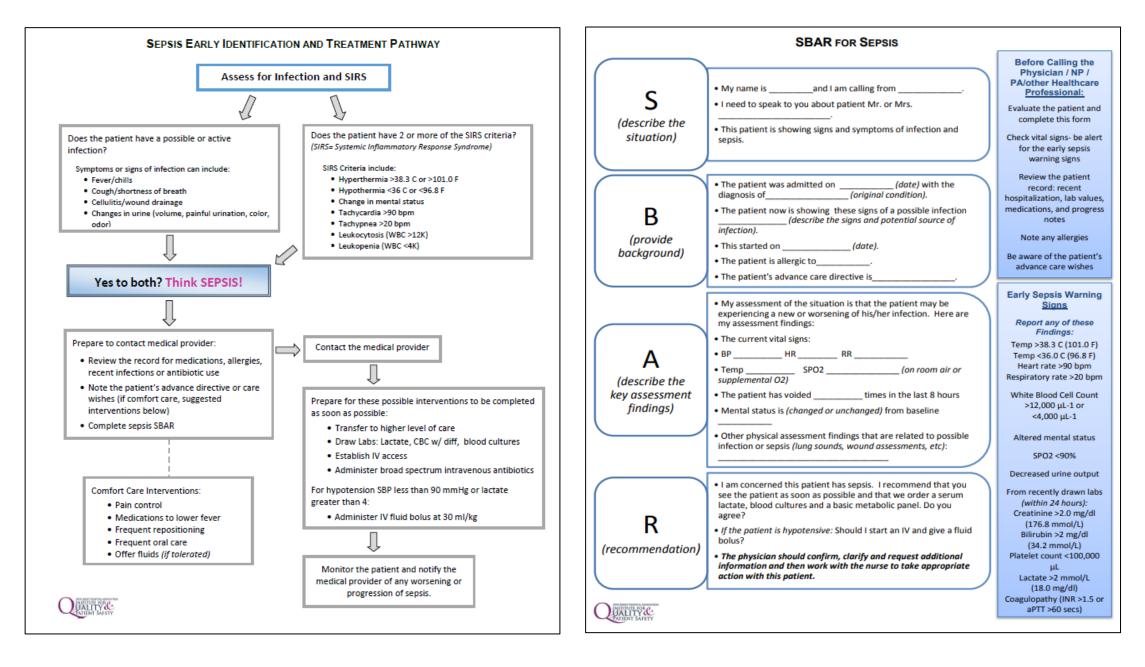
Educate residents and their families

Think sepsis

Act fast

Reassess resident management/treatment







Sepsis Gap Assessment and Action Steps

- Gap analysis tool used to assess the difference between actual practice and expected performance
 - Organizational commitment and leadership support
 - Dedicated sepsis resources/sepsis coordinator
 - Early identification/screening/risk
 - Bundle Implementation
 - Measurement/continuous improvement

Sepsis Gap Assessment and Action Steps

A gap analysis is a tool used to assess the difference between actual practice and expected performance. It is useful to compare best practice guidelines against your currently accepted practices. It is important to assess practice through observation and audit rather than relying on if a policy is in place, as practice can vary from policy.

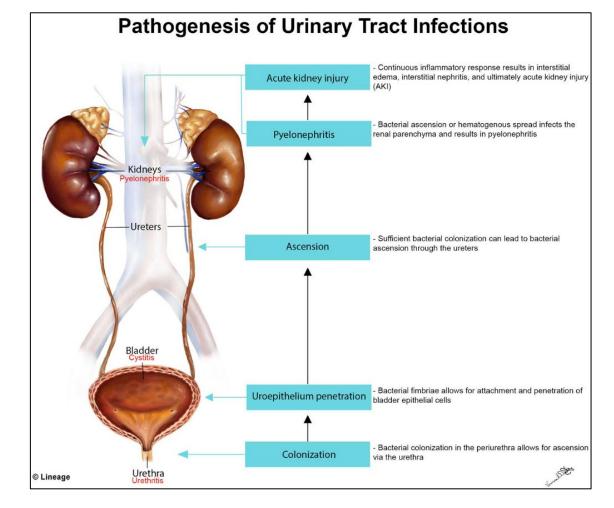
COMPONENTS	YES	NO	NA	COMMENTS/ACTION STEPS
Organizational C	ommi	itmen	t and	Leadership Support
Do you have a sepsis program? Describe				
Does your sepsis program have leadership support including CEO, Medical Staff, Nursing, Clinical Staff, Governing Board?				
ls medical staff, nursing staff and clinical leadership actively involved in sepsis prevention and management?				
Managing sepsis is aligned with hospital's quality, safety, or organizational goals (strategic plan)				
Multidisciplinary team in place and regular meetings (providers, nursing, quality, care management, etc.) from various care areas, ED, ICU, Med Surg, Perinatal, Peds				
Team reports to Medical Staff, Quality and Infection Control Committees				
Sepsis data is shared with staff? What data?				
Sepsis data is shared with patients/families?				
Dedicated	Sepsis	Reso	urce/s	epsis Coordinator
Dedicated Sepsis Resource in place (identify who)				
FTE allocation/ time commitment to sepsis role Including data abstraction, reporting, communication coordination - define				
Other role responsibilities				
Early Id	lentifi	cation	/Scre	ening/Risk
Early alert or warning system/process in place or describe triggers for sepsis screening:				
ED (assessed/screened in triage)				
· ICU				
Inpatient Units (Med Surg)				
Perinatal				
Pediatrics				





Urinary Tract Infections (UTIs)

- Most common sites of healthcare-associated infections
 - Accounts for up to 20% of infections reported by long-term care facilities (LTCFs)
- Risk factors for developing bacteriuria and UTI:
 - Age-related changes to the genitourinary tract
 - Comorbid conditions resulting in neurogenic bladder
 - Instrumentation required to manage bladder voiding
- Complications:
 - Cystitis
 - Pyelonephritis
 - Bacteremia
 - Septic shock
 - Declined resident function and mobility
 - Acute care hospitalizations
 - Increased mortality



https://u.osu.edu/utieducation/pathophysiology-of-uti/



Interventions for Residents (Regardless of Urinary Catheter Status)

Hand hygiene	
Treatment of atrophic vaginitis as UTI prophylaxis	
Interventions to improve management of urinary incontinence	
Implementation of effective IPC program	



Interventions to Reduce Unnecessary Indwelling Urinary Catheter Placement

Education regarding hazards of urinary catheters)
Education and/or policies regarding appropriate indications for indwelling catheters)
Requiring physician order with appropriate indication prior to indwelling catheter placement)
Requiring documentation of who inserted catheters with indication for placement]
	ו
Education and supplies for alternatives to indwelling catheters	

Meddings, J., Saint, S., Krein, S. L., Gaies, E., Reichert, H., Hickner, A., McNamara, S., Mann, J. D., & Mody, L. (2017). Systematic Review of Interventions to Reduce Urinary Tract Infection in Nursing Home Residents. *Journal of hospital medicine*, 12(5), 356–368. <u>https://doi.org/10.12788/jhm.2724</u>



Interventions To Improve Catheter Insertion Technique

(Education for aseptic insertion of indwelling catheters	
(Hands-on training/competency assessments regarding aseptic indwelling catheter insertion	
(Options regarding intermittent catheterization	
	Standardizing catheter placement supplies/kit	



Improving Choices Regarding Catheter Types

Type of catheterization (Indwelling vs. ISC vs. External)	
Catheter coating/materials	
Catheter size	
Catheter length	
"Closed" drainage systems	
Catheter securing devices	



Maintenance/Care of Residents With Catheters

Hand hygiene]
Use of appropriate Personal Protective Equipment (PPE) during catheter/bag care]
Keeping drainage bag below bladder]
Avoid equipment sharing between catheterized patients]
Spatial separation of catheterized patients*]
Bacterial interference interventions*]

Meddings, J., Saint, S., Krein, S. L., Gaies, E., Reichert, H., Hickner, A., McNamara, S., Mann, J. D., & Mody, L. (2017). Systematic Review of Interventions to Reduce Urinary Tract Infection in Nursing Home Residents. *Journal of hospital medicine*, 12(5), 356–368. <u>https://doi.org/10.12788/jhm.2724</u>



Prompting Removal of Unnecessary Catheters

Trial removal of indwelling catheters present on admission

Urinary catheter reminders for staff

Urinary catheter stop-orders



Communication Checklist: Suspected UTIs

	Communication Checklist: gns and Symptoms Associated with ected Urinary Tract Infections (UTIs)	1	Patient has history of urinary symptoms and urinary tract infections	Ves No No I If yes, Date of most recent episode: Number of episodes in last x months: What did the prior culture grow? What did the susceptibilities show?	·	Provides a in conditio
identified. Prepare for change in communication	ondition communication when signs and symptoms of UTIs are on conversations. ic prompts or UTI prevention strategies.		Patient has history of MDROs	Yes D No D If yes, Date of most recent treatment: Organism:		when signs identified
SBAR Prompts Altered mental status: mental status is different than baseline	Notes Baseline: Current signs/symptoms:		Patient is currently receiving dialysis Patient has an indwelling catheter? How often changed? Diagnoses? Due for change?	Yes No If yes, type: Hemodialysis Peritoneal Does the patient have any urine output? Yes No Yes No Diagnosis for indwelling catheter:	•	Helps nursi
Current vital signs Patient has documented goals of care related to antibiotic use	Date or hour changes first identified: Temp:		Request initiation of facility hydration protocol. (e.g. encouragefuids x HRS and monitor for a change. Send a urine specimen if change in baseline temp over 2.0 degrees or change in urine)	Dagross for indeeling catheter		prescribing communic UTIs and fc
Patient has a diagnosis of advanced dementia and is unable to report or validate symptoms Observation of signs or symptoms of	Yes No No Briefly describe signs or symptoms:		Request order to send urine specimen via straight catheterization or clean catch			antibiotic p
distress (e.g., agitation, new refusal of care or number of staff needed to provide care)	Frequency signs or symptoms are observed: Date or hour symptoms first observed:		If antibiotic ordered, request a review of antibiotic order when microbiology specimen results are ready (e.g., three days from order date)			Agency fo
Patient has started new medications within the past seven days	Yes No If yes, dose:		Resources:			& Quality (
Change in eating or drinking patterns or level of assistance from the patient's norm (e.g., was eating independently with a set-up, but now requiring encouragement or spoon-feeding)	Briefly describe change:		AHRQ Suspected UTI SBAR Toolkit : https://www.ahrq.gov/nhguide/toolkits/deten Interact® 4.5 Symptoms of UTI Care Path: https://pathway-interact.com/tools/	mine-whether-to-treat/toolkit1-suspected-uti-sbar.html		– Susp – A cli
Clinical signs/symptoms	Check all that apply: Painful urination (dysuria) Check all that apply: Check all that apply: Check and (suprapubic) pain or tenderness Check and (suprapubic) pain (or tenderness Visible blood in urine New or worsening urinary urgency, frequency or incontinence Continued on next page		SBAR Tool: Cuidelines + Worksheet: http://forms.ihi.org/tools/sbar-toolkit?utm.ref Thimmsterial was prepared by Allart Health Solutions, a Quality innovation No Organization (DN - QC) under contract with the Centers for Medicase & perchanged tools. The under contract with the Centers for Medicase & perchanged tools. The under contract with the Centers for Medicase & Medicase and Centers of Medicase and Solutions, a Quality innovation No Neuron down of contract, and	Istvork - Quality improvement Medical Services (CMS), an research to his metal ad not		– Not Antii – Urina
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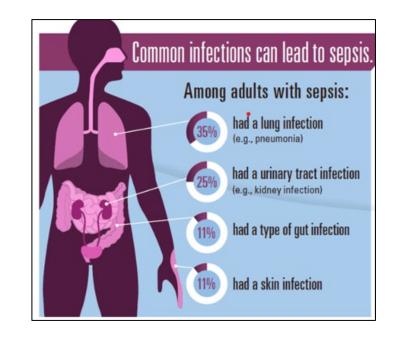
<u>https://quality.allianthealth.org/wp-content/uploads/2021/10/Communication-Checklist_</u> <u>Signs-and-Symptoms-Associated-with-Susptected-Urinary-Tract-Infections-UTIs.pdf</u>

- Provides a framework for change in condition communication when signs/symptoms of UTI identified
- Helps nursing home staff and prescribing clinicians communicate about suspected UTIs and facilitates appropriate antibiotic prescribing
- Agency for Healthcare Research & Quality (AHRQ Toolkit) includes:
 - Suspected UTI SBAR form
 - A clinician letter
 - Not All "Infections" Need Antibiotics
 - Urinalysis and UTIs: Improving Care



Pneumonia: Impact

- 1.5 million visits to emergency departments with pneumonia as the primary diagnosis
- 47,601 pneumonia-related deaths
 - 14.4 deaths per 100,000 population
- Major cause of morbidity and mortality in nursing home residents (<u>Mills et al.</u>, <u>2009</u>)
 - 30-day mortality rates ranging from 10 to 30 percent
- Clinical implications
 - Sepsis
 - Exacerbation of existing comorbidities
 - Potential exposure to antibiotic-resistant pathogens
 - Chronic lung disease
 - Cardiovascular sequelae
 - Hospitalization
 - Death
- Huge burden on the health care system
 - VAP hospital costs range from ~\$19,000 \$80, 000 (<u>AHRQ</u>, 2017)
 - CAP hospitalization expenditures averaged \$33,380 (<u>Weycker et al.,</u> <u>2020</u>)
 - \$4568 during the 30-day period thereafter
 - Long-term phase, all-cause expenditures averaged \$83,463 for CAP patients versus \$51,017 (95% CI \$49,553–\$52,491) for comparison patients





Pneumonia Prevention: Recommended Immunizations





Pneumonia Prevention: IPC Interventions

Oral care & hygiene

Aspiration prevention

Appropriate care of medical equipment/devices

Maintenance of ventilation systems

Resident & staff education (standard precautions, immunizations, etc.)

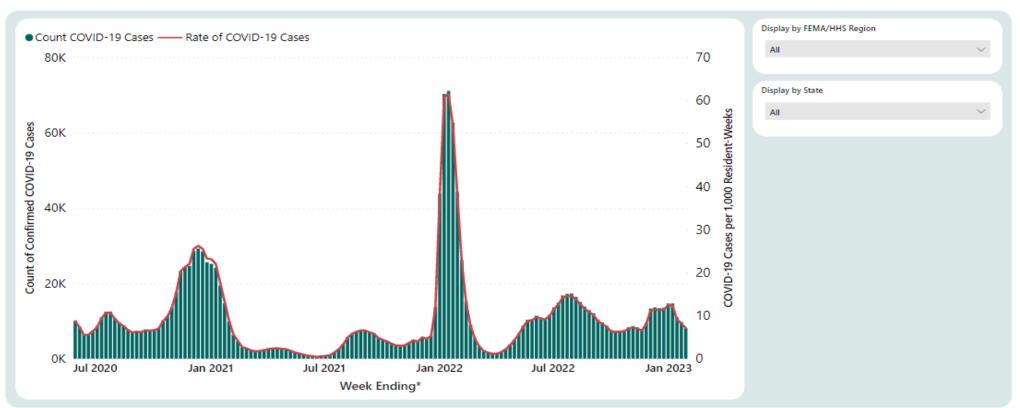
Appropriate antimicrobial use

Respiratory tract infection surveillance



Confirmed COVID-19 Cases among Staff and Rate per 1,000 Resident-Weeks in Nursing Homes, by Week—United States

Confirmed COVID-19 Cases among Staff and Rate per 1,000 Resident-Weeks in Nursing Homes, by Week — United States



* Data are likely accruing, all data can be modified from week-to-week by facilities

For the purpose of creating this time-series graph, data that fail certain quality checks or appear inconsistent with surveillance protocols are assigned a value based on their patterns for data-entry or excluded from analysis Data source: Centers for Disease Control and Prevention, National Healthcare Safety Network. Accessibility: [Right click on the graph area to show as table]

For more information: https://www.cdc.gov/nhsn/ltc/covid19/index.html

Data as of 1/30/2023 5:30 AM



Repeat COVID-19 Infections Increase Risk of Organ Failure, Death: Researchers Recommend Masks, Vaccines, Vigilance To Prevent Reinfection

"The evidence shows reinfection further increases risks of death, hospitalization and sequelae in multiple organ systems in the acute and post-acute phase. Reducing overall burden of death and disease due to SARS-CoV-2 will require strategies for reinfection prevention."

nature medicine	6
Article	https://doi.org/10.1038/s41591-022-02051-3
	stacute sequelae associated oV-2 reinfection
Received: 12 June 2022	Benjamin Bowe ¹² , Yan Xie 🕲 ¹² & Ziyad Al-Aly 🕲 ^{123,45} 🖂
Accepted: 23 September 2022	
Published online: 10 November 2022	First infection with severe acute respiratory syndrome coronavirus 2
Check for updates	 — (SARS-CoV-2) is associated with increased risk of acute and postacute death and sequelae in various organ systems. Whether reinfection adds to risks
	incurred after first infection is unclear. Here we used the US Department
	of Veterans Affairs' national healthcare database to build a cohort of
	individuals with one SARS-CoV-2 infection ($n = 443,588$), reinfection (two
	or more infections, $n = 40,947$) and a noninfected control ($n = 5,334,729$).
	We used inverse probability-weighted survival models to estimate risks and 6-month burdens of death, hospitalization and incident sequelae.
	Compared to no reinfection, reinfection contributed additional risks of
	death (hazard ratio (HR) = $2.17,95\%$ confidence intervals (CI) $1.93-2.45$),
	hospitalization (HR = 3.32, 95% CI 3.13-3.51) and sequelae including
	pulmonary, cardiovascular, hematological, diabetes, gastrointestinal,
	kidney, mental health, musculoskeletal and neurological disorders. The
	risks were evident regardless of vaccination status. The risks were most
	pronounced in the acute phase but persisted in the postacute phase at 6
	months Compared to poninfected controls, cumulative risks and burdens
	months. Compared to noninfected controls, cumulative risks and burdens of repeat infection increased according to the number of infections
	of repeat infection increased according to the number of infections.
	of repeat infection increased according to the number of infections. Limitations included a cohort of mostly white males. The evidence shows

Bowe, B., Xie, Y. & Al-Aly, Z. Acute and post-acute sequelae associated with SARS-CoV-2 reinfection. Nat Med (2022). https://doi.org/10.1038/s41591-022-02051-3



https://www.eurekalert.org/news-releases/970714

CDC COVID-19 Infection Prevention and Control Guidance Resources

Interim IPC Recommendations for Healthcare Personnel

Interim Guidance for Managing Healthcare Personnel with Infection or Exposure

<u>Strategies to Mitigate Healthcare Personnel Staffing Shortages</u>





COVID-19 Infection Prevention Practices DECISION TOOL

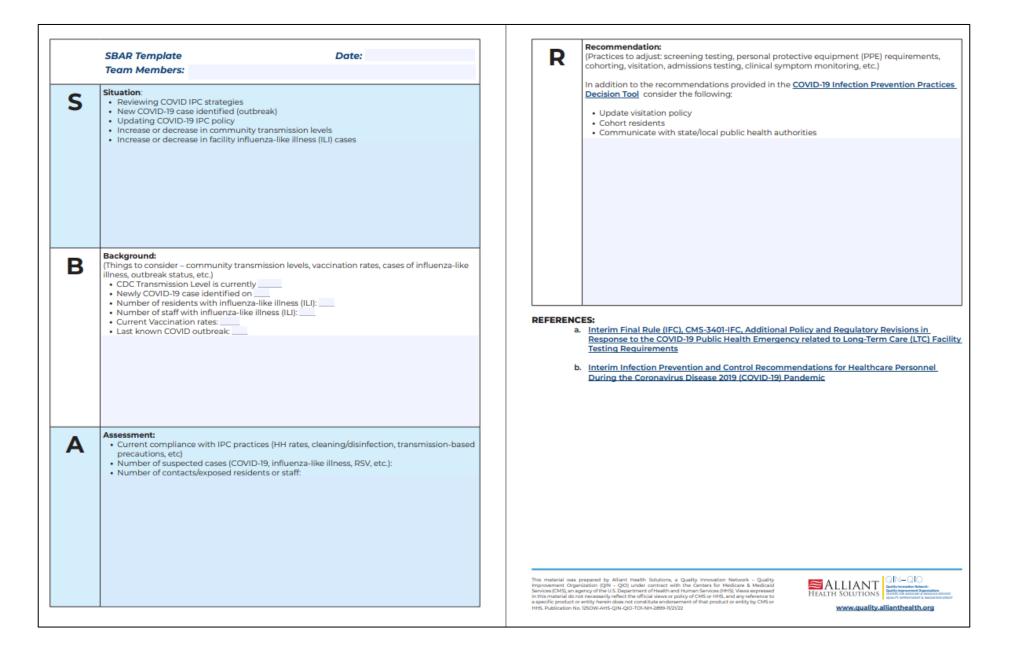
This resource is intended to assist in making COVID-19 infection prevention and control (IPC)related decisions in your facility. The highest level of recommended IPC practices are listed below and reflects the current Centers for Disease Control and Prevention (CDC) <u>guidance</u> as of this publication. Facilities are encouraged to use their discretion and any additional information from local/state health departments and regulatory entities when considering COVID-19 IPC implementation. Also, facilities are encouraged to stay up-to-date on current COVID-19 guidance from the CDC and Centers for Medicare and Medicaid Services (CMS).

When modifying IPC policies to reflect local community transmission, please consider the following:

- <u>CDC Transmission Levels</u> This metric (also known as community transmission) is used to guide select IPC practices in health care settings to allow for earlier intervention before there is a strain on the health care system and to protect the individuals receiving care in these settings. Use the county transmission level (high, substantial, moderate or low) to determine the level of SARS-CoV-2 infections in your community and the risk to your facility. Implement the recommended practices listed below based on your local transmission level.
- Interim Infection Prevention and Control Recommendations for Healthcare Personnel During the Coronavirus Disease 2019 (COVID-19) Pandemic - This guidance applies to all U.S. health care settings, including nursing homes and home health. Also, note that vaccination status no longer informs COVID-19-specific IPC interventions (i.e., source control, testing, post-exposure recommendations)
- 3. Your Facility Data Consider the status of the IPC program and the impact of current interventions, like hand hygiene compliance rates, cleaning and disinfection practices, vaccination rates (COVID-19, Influenza, Pneumococcal), safe cohorting plans, emergency/ outbreak plans, etc. If the facility has a history of a COVID-19 outbreak, consider how previous outbreaks developed and were controlled. If an outbreak occurs, the highest levels of precautions should be immediately implemented until the outbreak is controlled and transmission rates in the county fall.
- 4. Your Facility COVID-19 Plan updates/changes Document decisions made, including supporting data and information discussed in considerations 1. and 2. above, using the Situation, Background, Assessment and Recommendation (SBAR) format (See page 3), including date and responsible parties.







https://quality.allianthealth.org/wp-content/uploads/2022/11/COVID-19-Infection-Prevention-Practices-Decision-Tool-v2-FINAL_508.pdf



COVID-19 Facility Outbreak Factors

Virus & variant specific characteristics

Infection prevention & control practices

Circulating respiratory pathogens

Pandemic fatigue

Personal protective equipment (PPE) fatigue

Staffing & resources shortages



COVID-19 Outbreak IPC Practices

Source control / Respiratory etiquette/ Hand hygiene

Personal protective equipment (PPE) use (N95 respirator or surgical mask, goggles, etc.)

Empiric use of transmission-based precautions for asymptomatic resident (contacts)

Early screening, testing, outbreak investigation, isolation, and work restrictions

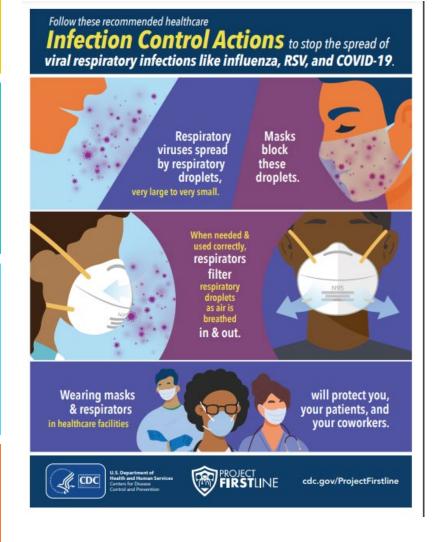
Increased frequency environmental cleaning (communal areas, high touch, etc.)

Cohort residents, re-establishing COVID-19 unit

Appropriate vaccinations, therapeutics, and treatments



COVID-19 Lessons Learned: Respiratory Viruses



- Up to date with vaccinations
- Understanding your data (resident risk, facility risk, community levels)
- IPC strategies (hand hygiene, respiratory etiquette, source control, cleaning/disinfection)
- Early intervention: screening, testing, and treatments
- Prompt isolation & investigation of close contacts
- Communication & collaboration
- Emergency/Outbreak planning



IPC Surveillance

"..the ongoing, systematic collection, analysis, and interpretation of health-related data essential to planning, implementation, and evaluation of public health practice." — Field Epidemiology

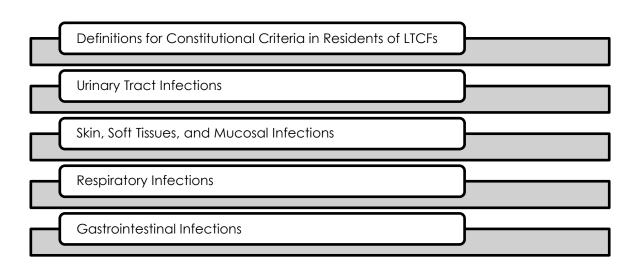
- Active surveillance
 - o Actively looking for the infection or condition
 - Ensures a more complete reporting
 - Used for specific epidemiologic investigations
- Passive surveillance
 - o Infection found during routine, ongoing data collection
 - Often limited by incomplete data or report quality
- Surveillance definitions
 - Ensure the same thing is counted
 - Enable meaningful comparison with others
 - Ensure correctly interpret changes over time
 - o Identify factors associated with an infection or outbreak
 - Inform infection prevention efforts and targeted interventions





McGeer Criteria

- Evidence-based, standardized guidance for infection surveillance activities in long-term care facilities (LTCFs)
- Designed to define and identify infections for surveillance purposes
- Represented syndromes capture a variety of clinically relevant infections that occur in the LTCF population
 - Infections associated with clear infection prevention and control (IPC) strategies





Healthcare-Associated Infections (HAI) Surveillance & Dashboard



				F	Y2023 (Jar	-Dec 2023					1			
cility-wide RTIs	January	February	March	April	May	June	July	August	September	October	Novembe	December	FYTD	
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A	B	С	D	E	F	G	н	I I	
				Admission Dat(Date of onset or when all		Culture or Lab Date of Collection	
Resident Name	Age	Sex *	Current Locatic *	Admission Date	RTI Infection Type	surveillance criteria met 🎽	applicable)	(if applicable)	Comments
(Example) Jane Doe	72	F	2N	1/1/2023	Influenza-like illness	1/7/2023			Fever (101.5F), chills, body ache, and new cough noted on 1/7/2023
								1	
								-	

o Line lists

•

- o Data tables
- o Graphs

surveillance

- Track & visualize healthcareassociated infections (HAIs)
 - Respiratory tract infections

AHS HAI Surveillance & Dashboard Tool

automated formulas) designed to

support nursing facility infection

Modifiable spreadsheet (with

prevention and control (IPC)

- Urinary tract infections
- Gastrointestinal tract infections
- Skin and soft tissue infections
- Multi-drug resistant organisms (MDRO)



https://quality.allianthealth.org/media_library/ahs-hai-surveillance-dashboard-tool/

Infection Control Resources

Sepsis

NHSN

HQIC Sepsis Gap Assessment and Action Steps HQIC Sepsis: Spot the Signs Magnet HQIC Sepsis Provider Engagement AQ Sepsis-ZoneTool Recognition and Management of Severe Sepsis and Septic Shock

SHOW MORE

Joining the Alliant Health Solutions NHSN Group

5-Step Enrollment for Long-term Care Facilities

NHSN Enrollment/ LAN Event Presentation

CDC's National Healthcare Safety Network (NHSN)

Instructions for Submitting C. difficile Data into NHSN

Catheter Associated Urinary Tract Infection (CAUTI)

CAUTI Gap Assessment Tool Urinary Catheter Quick Observation Tool CDC-HICPAC Guideline for Prevention of CAUTI 2009 AHRQ Toolkit for Reducing CAUTI in Hospitals CDC TAP CAUTI Implementation Guide

SHOW MORE

Hand Hygiene

Handwash the FROG Way – Badges – English Handwash the FROG Way – Badges – Spanish Handwash the FROG Way – Poster – English Handwash the FROG Way – Poster – Spanish Frequently Asked Questions – Alcohol Based Hand Rub

Clostridioides Difficile Infection (C. difficile)

Session Two: Clostridioides difficile – Treatment Update and Antibiotic Stewardship Interventions C.difficile Training Nursing Home Training Sessions Introduction Nursing Home C.difficile Infection

Antibiotic Stewardship

Antibiotic Stewardship Basics A Field Guide to Antibiotic Stewardship in Outpatient Settings Physician Commitment Letter Be Antibiotics Aware Taking Your Antibiotics

SHOW MORE

Training

Options for Infection Control Training in Nursing Homes Flyer

COVID-19

Invest in Trust (AHRQ Resource for CNA COVID-19 Vaccines) Nursing Home Staff and Visitor Screening Toolkit – PDF Nursing Home Staff and Visitor Screening Toolkit – Excel COVID-19 Self Management Zone Tool COVID-19 Self Management Zone Tool – Spanish Personal Protective Equipment (PPE) Burn Rate Calulator Toolkit on State Actions to Mitigate COVID-19 Prevalence in Nursing Homes

HAI Surveillance

AHS HAI Surveillance & Dashboard Tool







Nursing Home and Partnership for Community Health: CMS 12th SOW GOALS







Promote opioid best practices

Reduce opioid adverse drug events in all settings

PATIENT SAFETY

Reduce hospitalizations due to c. diff

> Reduce adverse drug events

Reduce facility acquired infections



CHRONIC DISEASE SELF-MANAGEMENT

Increase instances of adequately diagnosed and controlled hypertension

Increase use of cardiac rehabilitation programs

Reduce instances of uncontrolled diabetes

Identify patients at highrisk for kidney disease and improve outcomes

CARE COORDINATION

Convene community coalitions

Reduce avoidable readmissions, admissions to hospitals and preventable emergency department visits

Identify and promote optimal care for super utilizers COVID-19

COVID-19

Support nursing homes by establishing a safe visitor policy and cohort plan

Provide virtual events to support infection control and prevention

Support nursing homes and community coalitions with emergency preparedness plans



IMMUNIZATION

Increase influenza.

pneumococcal,

and COVID-19

vaccination rates



TRAINING

Encourage completion of infection control and prevention trainings by front line clinical and management staff



Making Health Care Better Together



Julie Kueker Julie.Kueker@AlliantHealth.org Alabama, Florida and Louisiana



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