

Agenda

- 1. Overview of Rising Acuity in Assisted Living
- 2. Infection Indicators and Trends in Long-Term Care Facilities
- Summary of Ohio's Infection Control Regulations for Assisted Living Facilities
- 4. Infection Control & Prevention Strategies
- 5. Infection Surveillance Process Revised McGeer Criteria The McGeer Criteria are a set of standardized guidelines used to identify healthcare associated infections (HAIs) in long-term care settings, such as nursing homes and assisted living facilities

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The Changing Landscape of Assisted Living Assisted Living Facilities (ALFs) – OH (RCF) are evolving to meet growing healthcare needs.

- Traditionally serving individuals with minimal assistance, many ALFs now manage residents with complex medical conditions, such as chronic diseases and cognitive impairments.
- · This shift introduces new challenges in infection control.



Increasing Acuity Among Residents

 RCF residents now closely resemble those in skilled nursing facilities. Conditions such as polypharmacy, cognitive decline, and chronic disease prevalence have increased, leading facilities to expand nursing roles and adopt integrated care models.



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Infection Control Challenges

With the shift toward higher-acuity residents, RCFs are facing new infection risks.

- Although infection surveillance in RCFs has historically been less stringent than in skilled nursing facilities, many states have introduced stricter infection control regulations (Senior Housing News)
- In 2024, 86% of states now require infection control protocols for RCFs, underscoring the need for proactive prevention measures in these environments (LeadingAge New York)
- Influenza vaccination programs and integrated emergency operations plans are more common, especially in larger facilities with dementia care units (CDC)







Rising Acuity in Assisted Living - Key Takeaways

- RCFs are faced with rising in acuity of residents
- Communities have gradually evolved into care environments that closely resemble nursing homes regarding healthcare delivery and infection control needs.
- As RCFs manage more medically complex populations, infection control has become a critical part of operations, with states introducing stricter regulations to protect residents.
- These changes reflect the evolving role of RCFs, emphasizing the need for integrated care models, specialized staff training, and robust infection prevention strategies to maintain resident health and safety.

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Introduction Infections in long-term care (LTC) facilities represent a significant public health concern. Healthcare-associated infections (HAIs) are prevalent among residents who often have underlying medical conditions and use indwelling devices. The COVID-19 pandemic further disrupted infection control measures, contributing to a rise in infections.



What is the CDC **Reporting?**



 CDC data suggests that approximately one in 43 nursing home residents acquires at least one infection daily, emphasizing the need for stringent infection control practices. · Reports indicate increased incidences

Reports indicate increased increased incidences of multidrug-resistant organisms (MDROs), with *Clostridioides difficile* (C. diff) and *Methicillin-resistant Staphylococcus aureus* (MRSA) posing ongoing challenges in LTC settings (CDC, 2024).

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The Pennsylvania Patient Safety Reporting System (PA-PSRS)

- The Pennsylvania Patient Safety Reporting System (PA-PSRS) is the largest database of patient safety event reports in the United States.
- In addition to over 4.7 million acute care reports, the PA-PSRS database contains more than 420,000 long-term care (LTC) healthcare-associated infection (HAI) reports.
- In Pennsylvania, data for 2023 shows an 11.4% increase in infections compared to 2022, with the most frequently reported infections being skin and soft tissue infections (SSTIs) and symptomatic urinary tract infections (UTIs).
- Pennsylvania's infection rate reached 0.98 per 1,000 resident days, reflecting broader national trends (Patient Safety, 2023).







Nationwide Trends and Reporting Efforts

Nationwide Trends and Reporting Efforts

- According to the National Post-acute and Long-term Care Study (NPALS), recent reports in long-term care facilities underscore the need for comprehensive infection control measures across multiple regions.
- Data collected by the CDC through the National Healthcare Safety Network (NHSN) shows variability in infection control performance by state, with some states reporting improvements. In contrast, others report worsening trends across infection types.

(NPALS, 2024; CDC, 2023).

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Key Takeaways - Infection Indicators and Trends in Long-Term Care (LTC) Facilities

- Healthcare-associated infections in long-term care facilities remain a critical issue, requiring focused efforts on infection prevention and control.
- Improvements are needed in areas such as staff training, leadership engagement, and resource allocation to enhance the quality of care.
 Infection rates are rising in multiple regions and COVID pandemic only.
- Infection rates are rising in multiple regions and COVID pandemic only worsened the issue.
- Monitoring infection trends through initiatives like NPALS and the CDC's NHSN ensures that healthcare facilities remain vigilant and responsive to infection threats.



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Ohio's Infection Control Regulations for Assisted Living Facilities



Summary of Ohio's Infection Control Regulations for Assisted Living Facilities



- Ohio has recently introduced comprehensive infection control regulations for residential care facilities (RCFs), including assisted living facilities, to ensure resident safety and prevent disease transmission.
- Effective July 12, 2024, these updates significantly strengthen the state's infection prevention and surveillance efforts.



Adverse Changes in Resident Health and Incident Management

Adverse Health Changes: Facilities must take immediate action if a resident's health deteriorates, which includes:

- Providing medical intervention or transferring the resident to an appropriate facility.
- Documenting the change in health and the steps taken in the resident's records.
 Sharing relevant information with medical personnel involved in the intervention.
- Notifying the resident's sponsor unless the resident objects

Incident Reporting: Any incident involving residents or staff posing a health risk must be addressed by:

Providing necessary intervention and medical attention.
Documenting the incident in an incident log and the resident's records.

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Investigating the incident and maintaining an accessible log for state authorities



Infection Prevention and Control Program Requirements cont.

- Surveillance Plan: Facilities are required to establish written surveillance systems using nationally recognized criteria (e.g., McGeer criteria). These systems must: Track healthcare-associated infections (HAIs) and detect multidrug-resistant organisms (e.g., Candida auris).

 - Implement corrective actions in response to infection outbreaks

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Infection Prevention and Control – IPC

• There are two types of precautions used for IPC:

- Standard precautions
- Transmission-based precau

 It's critical to understand the means of transmission and how and when to use precautions to prevent and control the spread of infectious agents.

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Key Takeaways - Infection Prevention and Control in Assisted Living Communities

- 1. Hand hygiene and PPE are essential in preventing infections.
- 2. Use transmission-based precautions when necessary.
- 3. Engage residents and families in maintaining safety.
- 4. Monitor antibiotic use to prevent resistance.
- 5. Foster a culture of safety through teamwork and communication.

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Infection Surveillance

Objectives

- Discuss basic principles of epidemiology and how they apply to healthcare-associated infection (HAI) surveillance.
 Review recommended surveillance practices.
- Describe surveillance outcome and process measures for infection prevention.
- Review surveillance definitions (McGeer Criteria)



The role of the Infection Control Designee (ICD)

The ICD will:

- Collect accurate and consistent infection data and communicate the findings for prevention and surveillance.
- Monitor the process measures to improve adherence to infection prevention care practices.

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Epidemiology Overview

Definition: The study of disease distribution and determinants in populations.

- Focus Areas: Clinical Care: Emphasizes the health and treatment of individual patients. Epidemiology: Concentrates on health outcomes and patterns within groups.
- Key Questions Addressed by Healthcare Epidemiology: • What factors contribute to rising infection rates?
- Which populations are more vulnerable to hospital-acquired infections (HAls)? • How have HAIs evolved over time?
- What trends can be observed in infection rates over various periods?

Epide	emiology of Infection Prevention and Surveillance
Goal: I	HAI Prevention
	Foundation: Epidemiology and surveillance are essential components of HAI prevention.
	Actionable Data: Utilize data to drive interventions!
Key Po	pints:
	Involves the ongoing and systematic processes of: Collection: Gathering relevant data Recording: Documenting findings accurately Analysis: Interpreting data to identify trends Dissemination: Sharing insights with leadership and care teams
Purpo	se:
	Reflects the incidence of disease onset or current status within a community or population (e.g., Your Assisted Living Community). Identifies risk factors associated with disease. Supports public health initiatives aimed at reducing illness and mortality.





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Does it meet the Criteria?

Determine Symptoms:

Assess if the symptoms exhibited by your resident meet the Revised McGeer's definition of infection.

Categorization:

If a resident displays some symptoms but not all required symptoms, the event falls into the "Does Not Meet Criteria" (DNMC) category.

Infection Rate Calculation:

Events classified as DNMC will not be included in your overall infection rate. Calculate a separate rate specifically for DNMC events to maintain clarity in infection tracking.



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Incidence Density Rate

- Another way to calculate the infection rate is by using the number of resident days for the population at risk.
- Incidence density rate, also known as person-time rate, is a measure of how quickly a health outcome occurs in a population.

Calculation of resident days:

2480 = 80 residents x 31 days in August. Example:

<u>5 UTI Infections</u> x 1000 days resident 2480 resident days x 1000 days (constant) = 2 infections per 1000

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Key Takeaways - Infection Surveillance

Infection Rate Benchmark

- Using the Revised McGeer Criteria, start tracking the number of infections and determine the infection rates each month using the formulas discussed here.
- By tracking the rates over a longer period, you can establish your own benchmark and compare the infection rates in your community with those in your region or company.

III National or state averages or rates may not reflect the same resident population you have.

- View and analyze data collected
 Look for trends
 Compare process surveillance
 with outcome surveillance
 Share your data with leadership
 and staff
- Use data for Performance
 Improvement Projects

