National Nursing Home Quality Care Collaborative in Florida

Nursing Home Online Training Sessions
Session 6: *Clostridium difficile* Part Two: Strategies to Prevent, Track, and Monitor

*Clostridium difficile*

Health Services Advisory Group (HSAG)
Florida National Nursing Home Quality Care Collaborative (NNHQCC) Team

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Objectives

1. Welcome and overview.
2. Use strategies to prevent *Clostridium difficile* (*C. difficile*).
3. Use strategies to track and monitor *C. difficile*.
Nearly 25 percent of the nation’s Medicare beneficiaries

HSAG is the Medicare Quality Innovation Network-Quality Improvement Organization (QIN-QIO) for Arizona, California, Florida, Ohio, and the U.S. Virgin Islands.
• Funded by the Centers for Medicare & Medicaid Services (CMS), the QIN-QIO program is the largest federal program dedicated to:
  – Improving individual patient care
  – Improving health for populations and communities
  – Integrating care for populations and communities
  – Delivering beneficiary and family-centered care
NNHQCC Aims

• Ensure every nursing home (NH) resident receives the highest quality of care.
• Implement Quality Assurance and Performance Improvement (QAPI).
• Eliminate healthcare-acquired conditions (HACs).
• Eliminate healthcare-associated infections (HAIs).
• Improve resident satisfaction.
• Reduce use of unnecessary antipsychotic medications in residents with dementia.
• Achieve score of 6.0 or lower on the NH quality measure composite score by January 2019.
Final Rules—Reform of Requirements for Long-Term Care Facilities (LTCFs)

**QAPI and Infection Control Implementation Dates**

**Phase 1**
November 28, 2016

- Quality Assurance & Performance Improvement* - QAA Committee Infection Control–Program*

**Phase 2**
November 28, 2017

- Quality Assurance & Performance Improvement - QAPI Plan Infection Control–Facility Assessment and Antibiotic Stewardship**

**Phase 3**
November 28, 2019

- Quality Assurance & Performance Improvement - QAPI Implementation Infection Control Preventionist

*This section is partially implemented in Phase 2  **This section partially implemented in other phases

Nursing Home
Online Training Sessions
Nursing Home Online Training Sessions

Earn 11.3 Nursing CEs

Nursing Home Training Sessions Introduction

1. TeamSTEPPS® in LTC: Communication Strategies to Promote Quality and Safety
2. Exploring Antibiotics and their Role in Fighting Bacterial Infections
3. Antibiotic Resistance: How it Happens and Strategies to Decrease the Spread of Resistance
4. Antibiotic Stewardship
5. Clostridium difficile Part One: Clinical Overview
6. Clostridium difficile Part Two: Strategies to Prevent, Track, and Monitor C. difficile

We hope that you find these training tools and resources helpful in your work to implement antibiotic stewardship and prevent C. difficile infections in your residents. All are welcome to explore this site and use the information as applicable to you and your organization. Thank you for your dedication to preventing infections in residents (and staff, too) and promoting appropriate antibiotic use.

Training sessions and resources for nursing homes to support:

- Implementation of principles and practices of antibiotic stewardship
- Prevention and management of Clostridium difficile infections
- TeamSTEPPS® communication strategies and tools to promote quality and safety

Background:

C. difficile harms residents!

- C. difficile caused almost half a million infections among patients in the US in 2011. More than 80% of the deaths associated with C. difficile occurred among Americans aged 65 or older (CDC 2015).

http://qioprogram.org/nursing-home-training-sessions
Topics Covered in the Online Training Sessions

1. Team Strategies and Tools to Enhance Performance and Patient Safety (TeamSTEPPS®) in long term care (LTC): Communication Strategies to Promote Quality and Safety

2. Exploring Antibiotics and their Role in Fighting Bacterial Infections

3. Antibiotic Resistance: How it Happens and Strategies to Decrease the Spread of Resistance

4. Antibiotic Stewardship

5. *Clostridium difficile* Part One: Clinical Overview

6. *Clostridium difficile* Part Two: Strategies to Prevent, Track, and Monitor *C. difficile*
Purpose of the Online Training Sessions

- To provide NH leaders with a set of training materials that they can use to enhance understanding of important concepts and practices that promote effective communication, antibiotic stewardship and *C. difficile* prevention, and to provide information, tools, and resources to take action to improve practices.

- To provide an opportunity to apply for certificates of participation or a total of **11.3 nursing continuing education (CE) credits at no-cost.**

- To develop and disseminate materials that can be accessed and used by LTC partners and stakeholders interested in these topics.
Use of the Online Training Sessions

- NH leaders can decide:
  - Which modules would be helpful.
  - The appropriate staff member to include for each module.
  - How to use the materials during education sessions or self study.
  - How to best provide this training over time.
Each Online Training Session Includes

- Welcome and overview
- Objectives
- How you can use this session
- Orientation (list of sections and content)
- Topic information presented via text/narrative, video, PowerPoint presentations with notes, or links to website pages
- Interactive activities and scenarios, including discussion questions
- Informational handouts
- Take home messages
- Links to additional optional resources
- Opportunity to apply for a certificate of participation or nursing CE credits
Nursing Home Online Training Sessions

Session 6: *Clostridium difficile* Part Two: Strategies to Prevent, Track, and Monitor *C. difficile*
Topics

• What actions can be taken to prevent and manage multi-drug resistant organisms (MDRO) and *C. difficile* in NHs?
• What are your rates of *C. difficile* in your building? How do you know?
• Take home messages.
• Optional tools and resources.
Taking Actions to prevent and Manage MDROs and *C. difficile* in NHs

Part 1—Reviewing the organisms. (15:02). Part 1 covers basics on bacteria, common bacteria in healthcare, antibiotics 101, understanding multi-drug resistance, and how NHs are reservoirs of MDROs and CDIs with onset in NHs.

http://qioprogram.org/sites/default/files/editors/141/NCC_DrStone1_Feb2017.mp4
Taking Actions to prevent and Manage MDROs and *C. difficile* in NHs (cont.)

Part 2—Understanding the spread (14:52). Part 2 covers healthcare drivers of *C. difficile* and MDRO development and spread including antibiotic pressure and medical devices and wounds, colonization pressure, resident to resident transmission via hands of healthcare personnel, and contamination of shared environment/equipment.

http://qioprogram.org/sites/default/files/editors/141/NCC_DrStone2_Feb2017.mp4
Part 3—Strategies to prevent (23:51). Part three covers consistent performance of hand hygiene, appropriate use of gowns and gloves, resident placement principles, strategies, and considerations, and environmental cleaning.

http://wds.mp.advection.net/mp/e4enterprise/_dld/NCC_DrStone3_02242017_sm.mp4
What Are Your Rates of *C. difficile* in Your Building? How Do You Know?

- **CDC’s National Healthcare Safety Network (NHSN)**
  - Provides LTCFs with a customized system to track infections in a streamlined and systematic way.
  - When facilities track infections, they can identify problems and track progress toward stopping infections.
  - On the national level, data entered into NHSN will gauge progress toward national healthcare-associated infection goals.
  - NHSN’s LTC component is for use by NHs, skilled nursing facilities, chronic care facilities, and assisted living and residential care facilities.
For more information on the NHSN

https://www.cdc.gov/nhsn/ltc/
The NNHQIC has an alternative data tracking tool for monitoring CDIs. Data submission on the NNHQIC website is **NOT a substitute for submission into the NHSN database**.

Data entered in the NNHQIC website are **NOT forwarded to NHSN to gauge progress toward national HAI goals**.

https://www.nhqualitycampaign.org/goalDetail.aspx?g=inf#tab2
If a NH chooses not to use NHSN or the NNHQIC C. difficile tracking tool, another option would be to use an infection surveillance line list such as the one listed below.

– Appendix K: Infection Surveillance Definition Worksheet
– Appendix L: Infection Surveillance Line list Template

The use of an infection surveillance line list requires NHs to interpret the data in order to understand your rates of CDI.

Minnesota Department of Health Infectious Disease Epidemiology, Prevention and Control Division. [www.health.state.mn.us](http://www.health.state.mn.us)
Identifying and Improving *C. difficile* Prevention Practices

Work through the Prevent and Manage Infections Safely: *C. difficile* Probing Questions as a team and identify an area of opportunity.

Identifying and Improving *C. difficile* Prevention Practices (cont.)

Review and complete the Assessment of Current CDI Prevention Activities.

https://www.nhqualitycampaign.org/files/AntibioticStewardship_Assessment.pdf
Identifying and Improving *C. difficile* Prevention Practices (cont.)

- Discuss the findings from your assessment with your QAPI team.
  - What do you already do well?
  - Where are your opportunities?
  - What might be the hardest pieces for you to implement and why?
  - Prioritize 1–2 specific prevention actions that you want to implement.

- Identify next steps and resources needed to implement the specific prevention actions that you prioritized.
Take Home Messages

• *C. difficile* spores are shed in feces. Any surface that becomes contaminated with feces may serve as a reservoir for the *C. difficile* spores.

• *C. difficile* spores are transferred to residents/patients mainly via the hands of healthcare personnel who have touched a contaminated surface or item.

• *CDIs* can be prevented by using infection control recommendations and more careful antibiotic use.

• Everyone in the NH plays a role in preventing *CDI*.

• When facilities track infections, they can identify problems and track progress toward stopping infections.
Reducing CDIs Toolkit: Best Practices from the FNYHA/UHF C. difficile Collaborative.
This resource includes sections on why to focus on C. difficile, getting started, data collection strategies, and tools and sustaining practices.

AHRQ Toolkit for Reduction of CDIs Through Antimicrobial Stewardship (ASP). This toolkit was developed to assist hospital staff and leadership in developing an effective ASP with the potential to reduce *C. difficile*. This resource was prepared by Boston University School of Public Health, Montefiore Medical Center, Greater New York Hospital Association/United Hospital Fund.

Resources for Environmental Cleaning and Hand Hygiene. The NNHQIC provides checklists to assess your current policies, procedures, knowledge, and practices as a first step to identify opportunities to improve. Checklists are provided for early identification/containment, hand hygiene, and cleaning/disinfection. Other resources are provided as well on environmental cleaning and hand hygiene.

https://www.nhqualitycampaign.org/goalDetail.aspx?g=inf#tab4
Take Action to Prevent and MDROs and *C. difficile* in the NH. Recorded webinar presented by Nimalie Stone, MD, MS, medical officer at the Centers for Disease Control and Prevention (CDC) (1:04:12). Dr. Stone discusses the latest strategies and resources available to effectively reduce the emergence and spread of these dangerous organisms.

https://www.youtube.com/watch?v=iRN-mvadpKg
Environmental Hygiene: Best Practices to Use When Cleaning and Disinfecting Patient Rooms
Oregon Patient Safety Commission and the Oregon Healthcare-Associated Infection Program at the Oregon Health Authority. English (8:42) https://www.youtube.com/watch?v=Zx9fgg0u4cQ

Environmental Hygiene: Best Practices to Use When Cleaning and Disinfecting Patient Rooms
How to Access NNHQCC Resources

1. Click “For Medicare Providers”
2. Click “Florida”
3. Click “Nursing Homes”
4. Nursing Home Training Sessions

https://www.hsag.com/
Thank you!

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