



### Antibiotic Stewardship: The 7 Core Elements

**Great Plains Quality Innovation Network (GPQIN)** 

Created by Stephanie Meduna - QI Advisor Recorded by Jennifer Everson - QI Advisor



# Objectives

- Name the Core Elements of an Antibiotic Stewardship Program.
- Name important goals of an Antibiotic Stewardship Program.
- Describe the team members to include in your program.
- Discuss potential stewardship interventions in the long-term care setting.

#### Introduction

- What is Antibiotic Stewardship?
- What is the purpose of an Antibiotic Stewardship Program?
- Why is Antibiotic Stewardship so important?
- What are the 7 core elements of an Antibiotic Stewardship Program?

CDC's Core Elements of Antibiotic Stewardship in nursing homes

# Overuse and Consequences

- Up to 75% of antibiotics prescribed in a nursing home are considered inappropriate or unnecessary.
- Antibiotics cause consequences and side effects.
  - Residents are at risk of allergic reactions, kidney and liver damage, loss of appetite, and diarrhea.
  - The diarrhea may in fact be Clostridioides Difficile
  - Increased risk of colonization or an infection with an antibiotic-resistant bacteria.

<sup>&</sup>quot;Core Elements of Antibiotic Stewardship for Nursing Homes." *Centers for Disease Control and Prevention*, Centers for Disease Control and Prevention, 20 Aug. 2021, https://www.cdc.gov/antibiotic-use/core-elements/nursing-homes.html.

# Core Elements for Antibiotic Stewardship in Nursing Homes

- 1. Leadership Commitment
- 2. Accountability
- 3. Drug Expertise
- 4. Action
- 5. Tracking
- 6. Reporting
- 7. Education



The Core Elements of Antibiotic Stewardship for Nursing Homes: checklist

## 1. Leadership Commitment

Getting the buy in....

Include Duties

Communicate

Create a Culture



### 2. Accountability

- The individuals who are accountable for the program need to be aware they have the backing of the facility leadership.
- Who needs to be empowered?
  - The Medical Director
  - The Director of Nursing
  - The Consulting Pharmacist
  - The Infection Preventionist

McGeers Criteria
Loeb's Minimum Criteria

### 3. Drug Expertise

- Consulting pharmacist
  - Making a difference in Infectious Diseases
  - Society for Infectious Diseases Pharmacists antibiotic stewardship certificate program
- Local hospital Infection Preventionist

Consult disease consultants

#### 4. Action

- The use of new or improved policies.
- Change practices to address antibiotic use.
  - Focus on detailed assessments and proper communication with the physician.
  - Implement an antibiotic review process
- Use of consulting pharmacist
- Use of inappropriate antibiotics

## 5. Tracking

Tracking and reporting antibiotic use and outcomes

Process Measures

Antibiotic use Measures

Antibiotic Outcome Measures

## 6. Reporting

Reporting the information

Who should be reported to



#### 7. Education

- Provide education:
  - Clinicians
  - Nursing staff
  - Residents
  - Families



### Conclusion

- 7 core elements
- Working as a team

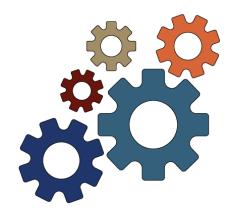


### Resources

 "Core Elements of Antibiotic Stewardship for Nursing Homes." Centers for Disease Control and Prevention, Centers for Disease Control and Prevention, 20 Aug. 2021

www.cdc.gov/antibiotic-use/core-elements/nursing-homes.html

"Developing an Antibiotic Stewardship Program." AHRQ, June 2021
 www.ahrq.gov/antibiotic-use/long-term-care/improve/program.html



#### **Contact Information**

Stephanie Meduna, RN & Jennifer Everson, RN, BSN, MHA, CPHQ

<u>stephanie.meduna@greatplainsqin.org</u>
<u>Jennifer.everson@greatplainsqin.org</u>
Great Plains Quality Innovation Network
Lincoln, NE 68512
www.greatplainsqin.org





