

Avera *e*CARE™

Your Virtual Health Partner

Antibiotic Stewardship Programs
in the Long Term Care Setting

Objectives



- Define antibiotic stewardship programs
- Review facts regarding the misuse of antibiotics
- Explain the new federal regulations
- Report on the study done to decrease antibiotics
- Explain next steps to implement antibiotic stewardship programs

Antibiotic Stewardship Programs

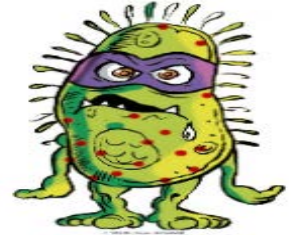
- Antibiotic Stewardship is a coordinated program that promotes the appropriate use of antimicrobials (including antibiotics), improves patient outcomes, reduces microbial resistance, and decreases the spread of infections caused by multidrug-resistant organisms. (APIC)

Quick Facts



- In hospitals as many as 30% - 50% of patients are prescribed antibiotics that were inappropriate or not necessary.
- In nursing homes 40% - 75% of residents are prescribed antibiotics that were inappropriate or not necessary. (CDC)

Quick Facts



- Overuse of antibiotics contributes to *Clostridium difficile* infections.
- Overuse of antibiotics contributes to multi-drug resistant infections.
- There is an increased risk for side effects.

Regulations



- F881 483.80 (a)(3) requires that the infection prevention and control program must include an antibiotic stewardship program that includes antibiotic use protocols and a system to monitor antibiotic use.

Bacteriuria vs. Urinary Tract Infection Study

- All nurses were educated on the Loeb Criteria to determine if resident(s) met the criteria for a Urinary Tract Infection (UTI)
- All nursing assistants were educated on prevention of UTIs.
- Physician, pharmacists and laboratories were notified of the study.
- Provided pamphlet to residents and families on the explanation of antibiotic stewardship programs.

Treatment of Bacteriuria and Prevention of Infection

- Increased fluids to 1500 cc/day
- Concentrated cranberry pills
- Estrogen cream for women
- Proper peri care



Monitoring/Tracking

- Monthly monitoring with each site
- End of study call with all facilities
- Best practices

Results of the Study

- 38% decrease in antibiotic prescribing
- Nurses felt empowered and also started using more critical thinking skills
- Staff became very creative



What's next ?



- We need to get busy!
- We need to educate residents, families and staff on the benefit of having a robust antibiotic stewardship program.

Core Elements of Long Term Care Antibiotic Stewardship Programs

- Leadership Commitment
- Accountability
- Drug Expertise
- Action
- Tracking
- Reporting
- Education

TEAM

- T=Together
- E=Everyone
- A=Achieves
- M=More

