

Best Practices for Antimicrobial Stewardship Programs



October 25, 2016

8:00 AM – 5:00 PM

New Orleans, LA

Room: 288-290

Co-organized by The Society for Healthcare Epidemiology of America (SHEA) and Pediatric Infectious Diseases Society (PIDS) in collaboration with the Centers for Disease Prevention and Control (CDC)

Sponsored by the Infectious Diseases Society of America

Moderators: Tamar Barlam, MD & Pranita Tamma, MD, MHS

Target Audience:

This activity is designed for pediatric and adult infectious diseases physicians, healthcare epidemiologists, microbiologists, pharmacists, and other healthcare providers who desire to create, implement, or improve an antimicrobial stewardship program for their healthcare institution. Individuals representing community-based hospitals are particularly targeted for this activity; however, individuals representing all sizes of institutions will find the content relevant to their needs.

Learning Objectives:

At the conclusion of this activity, participants should be able to:

1. Evaluate components of effective antimicrobial stewardship programs and implement interventions in their healthcare setting.
2. Review and apply strategies for and implementing process and outcomes measures.
3. Apply antimicrobial stewardship interventions for unique populations, including outpatient settings, long-term care facilities, and pediatric populations.
4. Critically assess available data, including pharmacy and microbiology data, and the informatics strategies needed to support antimicrobial stewardship in their institution.

AGENDA

- 7:30 AM Coffee
- 8:00 – 8:30 AM **The Social Determinants of Antibiotic Prescribing: Implications for the Development and Implementation of Stewardship Interventions**
Speaker: Julia Szymczak, PhD
- Learning Objectives:
At the conclusion of this activity, participants should be able to:
- Review the literature on what we know about the social determinants of antibiotic use
 - Describe how existing data on social determinants of antibiotic use can be used to inform the development of stewardship interventions and inform future research
 - Describe practical strategies to uncover and overcome social barriers and facilitators to implementing antibiotic stewardship
- 8:30 - 8:35 AM Q&A
- 8:35 - 9:05 AM **How Do I Know What to Tackle and What to Measure?**
Speaker: Debra Goff, PharmD
- At the conclusion of this activity, participants should be able to:
- Understand how to develop a stewardship program based on local needs and resources
 - Understand how to measure and report antimicrobial use
 - Understand how to measure the impact of stewardship program interventions
- Learning Objectives:
At the conclusion of this activity, participants should be able to:
- 9:05 - 9:10 AM Q&A
- 9:10 - 9:40 AM **The Role of the Stewardship Team in the Management of *Clostridium difficile* Infections**
Speaker: Erik Dubberke, MD, MSPH
- Learning Objectives:
At the conclusion of this activity, participants should be able to:
- Describe the current epidemiology of the morbidity and mortality of *C. difficile* infection
 - Understand the role antimicrobial stewardship programs can serve to control *C. difficile* infections at their facility
 - Describe the challenges in identifying alternative therapies based on *C. difficile* risk
- 9:40 - 9:45 AM Q&A
- 9:45 - 10:15 AM **Tackling Legal Issues in Antibiotic Stewardship**
Speaker: Mary Ellen Nepps, JD

Learning Objectives:

At the conclusion of this activity, participants should be able to:

- Discuss possible legal concerns related to documentation of antibiotic stewardship activities
- Understand precedents to legal concerns experienced with other patient safety programs
- Understand how to alleviate legal concerns hospital administrators may have with regards to antibiotic stewardship

10:15 - 10:20 AM Q&A

10:20 – 10:50 **Clinical Controversies: How Do I Manage MRSA Bacteremia beyond Prescribing Vancomycin?**

Speaker: Sara Cosgrove, MD, MS

Learning Objectives:

At the conclusion of this activity, participants should be able to:

- Discuss MRSA salvage treatment options
- Compare and contrast the pros and cons of various salvage therapies

10:50 – 10:55 AM Q&A

10:55 – 11:05 AM Break

11:05 – 11:35 AM **When Should I Recommend Extended Infusion β -Lactam Antibiotics?**

Speaker: Jason Pogue, PharmD

Learning Objectives:

At the conclusion of this activity, participants should be able to:

- Discuss the β -lactam agents that are candidates for extended infusion
- Discuss available data evaluating the clinical efficacy of extended infusion strategies
- Discuss any potential harm with extended infusion strategies

11:35 - 11:40 AM Q&A

11:40 - 12:10 PM **Expanding Stewardship into the Community Hospital Setting**

Speaker: Eddie Stenehjem, MD

Learning Objectives:

At the conclusion of this activity, participants should be able to:

- Describe the unique challenges of conducting a stewardship program across the spectrum of community hospitals
- Understand how to approach stewardship in community settings and what novel approaches can be used
- Describe a real-life example of successful stewardship within a multi-hospital healthcare system

12:10 – 12:15 PM	Q&A
12:15 – 1:15 PM	Lunch
1:15 – 1:45 PM	<p>The Practical Implementation of Daily Stewardship Rounds Speaker: Amanda Hurst, PharmD</p> <p>Learning Objectives: At the conclusion of this activity, participants should be able to:</p> <ul style="list-style-type: none"> • Understand the benefits and challenges of implementing daily stewardship rounds • Understand how to incorporate rounds into the workflow of a stewardship program • Discuss the impact of daily stewardship rounds on antibiotic prescribing
1:45 – 1:50 PM	Q&A
1:50 – 2:20 PM	<p><u>Clinical Controversies</u>: Are there Non-Carbapenem Beta-Lactam Options for Treating ESBL Infections? Speaker: Pranita Tamma, MD, MHS</p> <p>Learning Objectives: At the conclusion of this activity, participants should be able to:</p> <ul style="list-style-type: none"> • Discuss the antibiotic susceptibility patterns of ESBL-producing organisms • Discuss the evidence for non-carbapenem options for ESBL infections
2:20 – 2:25 PM	Q&A
2:25 – 2:55 PM	<p>Challenges of Implementing Methods for Rapid Antimicrobial Susceptibility Prediction in the Clinical Microbiology Laboratory Speaker: Tom Kirn, MD, PhD</p> <p>Learning Objectives: At the conclusion of this activity, participants should be able to:</p> <ul style="list-style-type: none"> • Describe characteristics of current, FDA cleared molecular assays that predict antibiotic susceptibilities based on detection of genetic targets • Discuss critical components of effective implementation of such assays into clinical practice • Describe specific examples of pitfalls associated with these molecular assays and consider approaches to addressing these issues
2:55 – 3:00 PM	Q&A

3:00-3:15	Break
3:15 – 3:45 PM	<p>Effectively Conducting Stewardship in the ICU Speaker: Andrew Morris, MD</p> <p>Learning Objectives: At the conclusion of this activity, participants should be able to:</p> <ul style="list-style-type: none"> • Understand potential targets for stewardship in critically ill patients • Describe clinical and diagnostic tools that allow safe de-escalation of antibiotic therapy • Understand different stewardship strategies that can be implemented in the ICU setting
3:45 – 3:50 PM	Q&A
3:50 – 4:20 PM	<p>Controversies in Antibiotic Prophylaxis Speaker: Dale Bratzler, DO, MPH</p> <p>Learning Objectives: At the conclusion of this activity, participants should be able to:</p> <ul style="list-style-type: none"> • Discuss the major updates in the current antibiotic surgical prophylaxis guidelines • Understand the evidence for current recommendations for antibiotic choice and duration of postoperative prophylaxis • Describe strategies stewards can use to work successfully with surgeon to adopt surgical prophylaxis guidelines
4:20 - 4:25 PM	Q&A
4:25 - 4:55 PM	<p>Update on National Stewardship Activities Speaker: Arjun Srinivasan, MD (CAPT, USPHS)</p> <p>Learning Objectives: At the conclusion of this activity, participants should be able to:</p> <ul style="list-style-type: none"> • Understand the current state of stewardship activities in both academic and community settings in the United States • Understand available national resources to assist with the development and maintenance of stewardship programs • Understand what is on the horizon for antibiotic stewardship
4:55 - 5:00 PM	Q&A
5:00 PM	Final Thoughts