

Leveraging Resources to Implement a Robust Antimicrobial Stewardship Program

September 14, 2018

Natalie Washburn, PharmD, BCCCP
Bronson Methodist Hospital, Kalamazoo, MI
Clinical Pharmacist – Medical/Neuro Intensive Care



Alyssa Thompson, PharmD, BCPS
Barnes-Jewish West County Hospital, St. Louis, MO
Clinical Pharmacy Specialist



These speakers have no actual or potential conflicts of interest in relation to this presentation.

Objectives

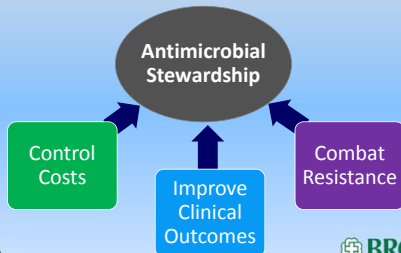
Upon completion of this presentation, learners will be able to...

- Describe various methods of implementing the core elements of the Joint Commission Antimicrobial Stewardship Standard
- Discuss practical strategies for implementation of antimicrobial stewardship activities



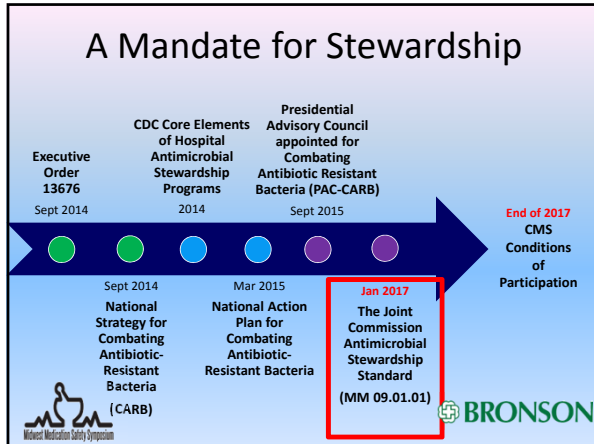
Antimicrobial Stewardship

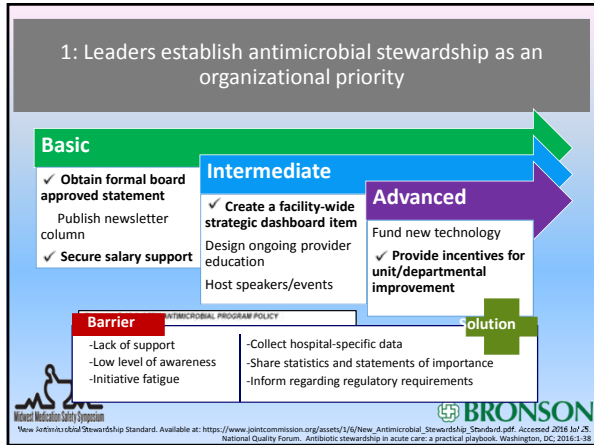
An antibiotic is the only drug where use in one patient can impact the effectiveness in another

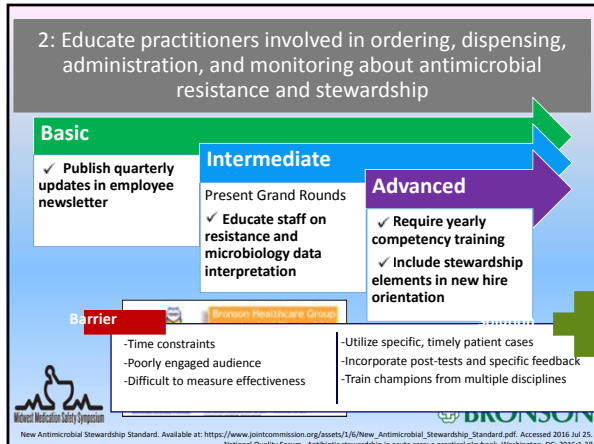


Get Smart for Healthcare. Available at: <http://www.cdc.gov/getsmart/healthcare/evidence.html>. Accessed 2016 Jul 25.



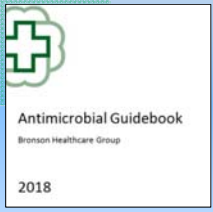







6. Hospital's antimicrobial stewardship program uses organization-approved multidisciplinary protocols D

- Facility-specific treatment recommendations
- EHR based order sets
- Antibiotic formulary restrictions
- IV to PO conversion
- Pharmacy to dose protocols



Antimicrobial Guidebook
Bronson Healthcare Group
2018



Medication Safety Symposium
National Quality Forum - Antimicrobial Stewardship in acute care hospitals | Antibiotic Stewardship | Washington, DC | 2016

7. Hospitals collect, analyze, and report data on its antimicrobial stewardship program D

Basic

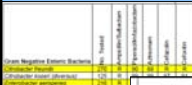
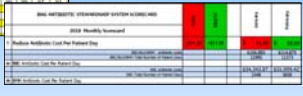

- ✓ Adhere to facility-specific treatment recommendations
- Accurately document antibiotic allergy histories

Intermediate

- ✓ Sequentially track antibiotic resistance patterns
- Track 30-day readmission rates for pneumonia and *C. difficile*

Advanced

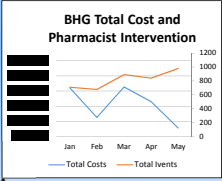
- ✓ Track number of antibiotics administered to patients per day (days of therapy)
- Report grams of antibiotics used

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8. Hospitals take action on improvement opportunities identified in its antimicrobial stewardship program D

- 48 hour "time out" assessments
- Targeted pharmacist interventions
- Prescribing patterns



BHG Total Cost and Pharmacist Intervention

Month	Total Costs	Total Events
Jan	~400	~100
Feb	~600	~150
Mar	~800	~200
Apr	~1000	~250
May	~1200	~300






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Learning Assessment

1. Which of the following is not a required element of performance under The Joint Commission MM.09.01.01?



- a. Hospital educates staff and licensed independent practitioners involved in antimicrobial prescribing
- b. Hospital has an antimicrobial stewardship multidisciplinary team
- c. Hospital educates patients and family about antibiotics at discharge**
- d. Hospital takes action on improvement opportunities identified by its antimicrobial stewardship program



New Antimicrobial Stewardship Standard. Available at: https://www.jointcommission.org/assets/1/6/New_Antimicrobial_Stewardship_Standard.pdf. Accessed 2016 Jul 25



Objective 2

Discuss practical strategies for implementation of antimicrobial stewardship activities





Phases of Implementation

- 1. Gathering Support
- 2. Systematic Changes
- 3. Complex Problems





1. Gathering Support

Senior Leadership	Physicians	Pharmacist
Infection Prevention	Nurse Practitioners	Microbiology
Nurse Educator	Regulatory Compliance	Patient Safety



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1. Gathering Support



Senior Leadership	Physicians	<ul style="list-style-type: none">• Specialist• Front-Line
Infection Prevention	Nurse Practitioners	Microbiology
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1. Gathering Support

Front-Line Nurses

- Allergy histories
- Culture collection
- Antibiotic starts
- Hand hygiene
- Removing lines, catheters, etc.
- IV to enteral interchange



1. Gathering Support





BJWCH ASP Team





Support Toolkit

- Your health system
- Other local hospitals
- Regional groups
 - Medication safety groups
 - Local chapters of national organizations
- Quality Innovation Network-Quality Improvement Organizations (QIN-QIO)






Support Toolkit

- QIN-QIOs
 - Primaris (Arkansas, **Missouri**, Oklahoma, Puerto Rico, Texas)
 - Telligen (Colorado, **Illinois**, Iowa)
 - Atom Alliance (Alabama, **Indiana**, **Kentucky**, Mississippi)
 - Lake Superior (**Michigan**, Minnesota, **Wisconsin**)
 - HSAG (Arizona, California, Florida, **Ohio**, U.S. Virgin Islands)

Support Toolkit

- Ready-made resources
 - CDC
 - Graphics
 - Flyers
 - Posters
 - Press Materials
 - SHEA
 - Sample daily pharmacist checklist
 - Antibiotic Recommendation Form



2. Systematic Changes

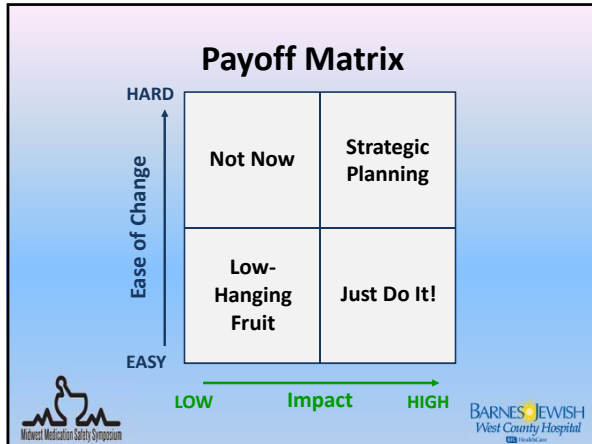
Antibiotic dosing protocols

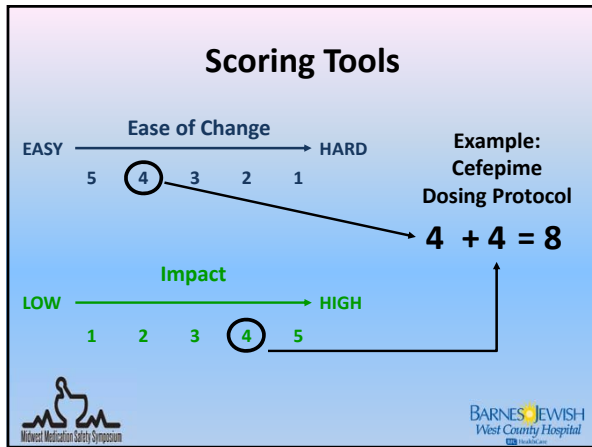
Preoperative antibiotic prophylaxis protocols

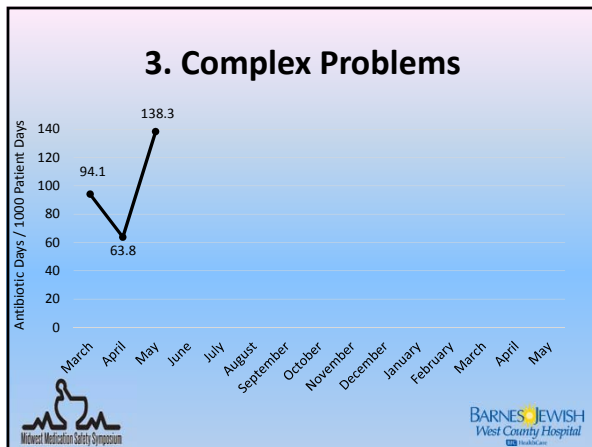
IV to enteral interchange

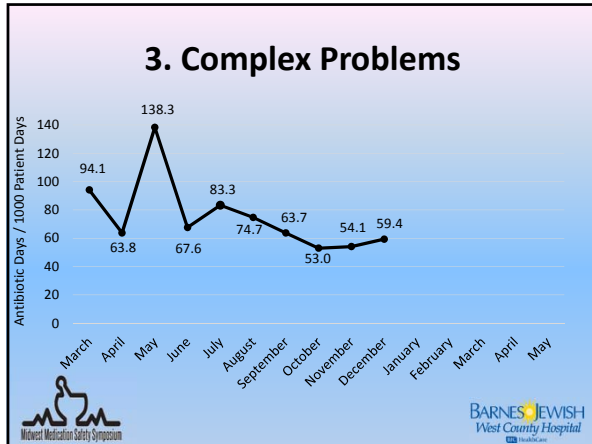
Indication-specific order sets

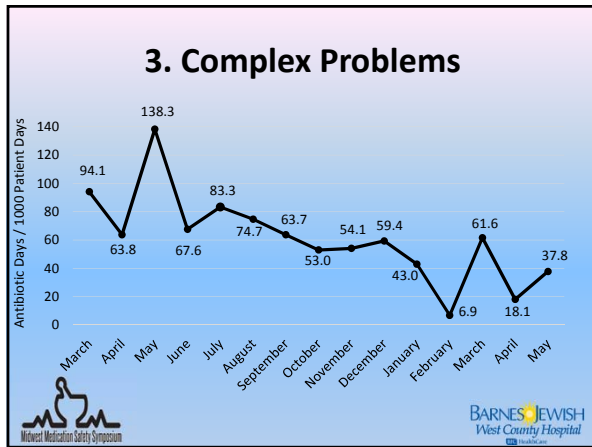















Training/Education Toolkit

- WHO and CDC online training courses
- CDC Public Health Grand Rounds
- Additional formal training
 - SHEA
 - MAD-ID
 - SIDP
- Social Media
- Leadership development opportunities

Midwest Medication Safety Symposium | BARNES JEWISH West County Hospital

Recap- Phases of Implementation



1. Gathering Support
2. Systematic Changes
3. Complex Problems

Learning Assessment Question

What role(s) can front-line nurses play in antimicrobial stewardship?

- A. Accurate allergy history collection/documentation
- B. Appropriate culture collection
- C. Advocating for IV to enteral switch
- D. All of the above**

Questions?

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