

# Nursing Resources: Antibiotic Stewardship

Antibiotic stewardship:

The coordinated intervention designed to *improve and measure the appropriate use* of [antibiotic] agents **by promoting the selection of the optimal [antibiotic] drug regimen, including dosing, duration, and route of administration.**<sup>1</sup>

Fundamentally, antibiotic stewardship is a patient safety issue.

Nurses are positioned to optimize antibiotic use given that they are the primary administrators of antibiotics and a consistent presence at the bedside. Antibiotic stewardship is an extension of the nursing role of patient advocate.

The following nursing resources on antibiotic stewardship come from the CDC's website,

[TAP C. difficile infection \(CDI\) Implementation Guide: Links to Example Resources.](#)



## ANTIBIOTIC STEWARDSHIP

Description	Selected Resources
<p><a href="#">Toolkit to Enhance Nursing and Antibiotic Stewardship Partnership</a></p> <p>Comprehensive toolkit to enhance nursing antibiotic stewardship, including additional resources such as facilitator guides, implementation checklist and framework, from Johns Hopkins University.</p>	<ul style="list-style-type: none"> <li>▪ <a href="#">Facilitator Guide to Obtain Stakeholder Support: The Role of the Bedside Nurse in AS Slide Deck</a></li> <li>▪ <a href="#">Implementation Checklist</a></li> <li>▪ <a href="#">Implementation Framework: A Practical Approach to Integrating Bedside Nurses into Antimicrobial Stewardship</a></li> <li>▪ <a href="#">Troubleshooting Guide</a></li> </ul>
<p><a href="#">CDC Antibiotic Stewardship Training Series</a></p> <p>Training modules designed to educate clinicians on the appropriate use of antibiotics. Web-based courses of 30-45 minutes in length. Pre- and Post-test, with embedded knowledge questions.</p>	<ul style="list-style-type: none"> <li>▪ <a href="#">Antibiotic Stewardship Course: Module 1: Be Antibiotics Aware: Antibiotic Adverse Events and Resistance</a></li> <li>▪ <a href="#">Antibiotic Stewardship Course: Module 2: Be Antibiotics Aware: Antibiotic Adverse Events</a></li> <li>▪ <a href="#">Antibiotic Stewardship Course: Module 3: It's About Patient Safety: Antibiotic Stewardship</a></li> </ul>

<sup>1</sup> Policy statement on antimicrobial stewardship by the Society for Healthcare Epidemiology of America (SHEA), the Infectious Diseases Society of America (IDSA), and the Pediatric Diseases Society (PIDS).

## NURSE DRIVEN STEWARDSHIP ACTIVITIES

Selected resources from the [Toolkit to Enhance Nursing and Antibiotic Stewardship Partnership](#)

### Urine Culture

- [Urinary Tract Infection 101 for Nurses Slide Deck](#)
- [Urine Cultures One Pager](#)

### Respiratory Culture

- [Pneumonia 101 for Nurses Slide Deck](#)
- [Respiratory Culture Algorithm](#)
- [Respiratory Progress Report Template](#)

### Penicillin Allergy

- [Penicillin Allergy 101 for Nurses Slide Deck](#)
- [Penicillin Allergy One Pager](#)
- [Penicillin Allergy Algorithm with Pictures](#)
- [Penicillin Allergy Documentation Progress Report Template](#)

### Nurse-Driven Antibiotic Stewardship Activities

- Questioning the medical necessity of urine cultures
- Ensuring proper urine and blood culturing techniques
- Initiating the switch from intravenous (IV) to oral (PO) antibiotics
- Obtaining and recording an accurate penicillin drug history
- Initiating an antibiotic time-out conversation



- [Skin Reaction Interpretation Form for Nurses](#)
- [Penicillin Allergy Assessment Tool for Nurses](#)
- [Penicillin Allergy Trigger for Workstations](#)

## REFERENCES

- [Role of Registered Nurses in Hospital Antibiotic Stewardship Practices pdf \[PDF\]](#) - White Paper detailing the role of registered nurses in hospital antibiotic stewardship practices, including an outline of how existing roles/activities of nurses align with antibiotic stewardship activities (pgs. 6-8), from the American Nurses Association and CDC.
- [Integrating Bedside Nurses into Antibiotic Stewardship \[PDF\]](#) - Article describing a practical approach to engaging nurses in antibiotic stewardship programs. Includes perceived barriers to antibiotic stewardship by nurses and potential solutions (Table 1) and four moments for antibiotic decision making adapted for nursing (Box 3), from Johns Hopkins University.
- [Prevention Strategies for CDI Training Modules- Antibiotic and Lab Testing Stewardship](#) - Training modules on the prevention of CDI, including antibiotic stewardship (Module CDI 102), from Health Research & Educational Trust (HRET) and CDC's STRIVE Infection Control Training.

For a complete list of resources on the TAP Implementation site maintained by CDC, go to (<https://www.cdc.gov/hai/prevent/tap/cdiff.html>). Click *II. Antibiotic Stewardship*, and then scroll to see the resources under **Provider and Nurse Education**.

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