

A Review of Antimicrobial Resources



Presenter Information

CDR Dinesh Sukhlall PharmD BCPS

LCDR Russell Kern PharmD BCPS

"The contents do not represent the views of the Indian Health Service or the United States Government.
This material is the result of work supported with resources and the use of facilities at PIMC, located in the Phoenix Area of the Indian Health Service"

Objectives

- Locate updated Antimicrobial Stewardship Program (ASP) accreditation standards
- View ASP certifications and trainings
- Gather patient and provider education tools and resources
- Utilize infectious disease guidelines for ASP purposes

Accreditation Standards

The Joint Commission (TJC)

R³ Report | Requirement, Rationale, Reference

A complimentary publication of The Joint Commission

Issue 35, June 20, 2022

**New and Revised Requirements
Addressing Antibiotic Stewardship
for the Hospital and Critical Access
Hospital Programs**

Standard MM.09.01.01: The hospital establishes antibiotic stewardship as an organizational priority through support of its antibiotic stewardship program.

- **EP 10 (new):** The hospital allocates financial resources for staffing and information technology to support the antibiotic stewardship program.
- **EP 11 (revised):** The governing body appoints a physician and/or pharmacist who is qualified through education, training, or experience in infectious diseases and/or antibiotic stewardship as the leader(s) of the antibiotic stewardship program.
- **EP 12 (revised):** The leader(s) of the antibiotic stewardship program is responsible for the following: Developing and implementing a hospital wide antibiotic stewardship program that is based on nationally recognized guidelines to monitor and improve the use of antibiotics. Documenting antibiotic stewardship activities, including any new or sustained improvements. Communicating and collaborating with the medical staff, nursing leadership, and pharmacy leadership, as well as with the hospital's infection prevention and control and quality assessment and performance improvement programs on antibiotic use issues. Providing competency based training and education for staff, including medical staff, on the practical applications of antibiotic stewardship guidelines, policies, and procedures.
- **EP 13 (revised):** The hospital has a multidisciplinary committee that oversees the antibiotic stewardship program.
- **EP 14 (revised):** The antibiotic stewardship program demonstrates coordination among all components of the hospital responsible for antibiotic use and resistance, including, but not limited to, the infection prevention and control program, the quality assessment and performance improvement program, the medical staff, nursing services, and pharmacy services.
- **EP 15 (revised):** The antibiotic stewardship program documents the evidence based use of antibiotics in all departments and services of the hospital.
- **EP 16 (new):** The antibiotic stewardship program monitors the hospital's antibiotic use by analyzing data on days of therapy per 1000 days present or 1000 patient days, or by reporting antibiotic use data to the National Healthcare Safety Network's Antimicrobial Use Option of the Antimicrobial Use and Resistance Module.



- **EP 17 (new):** The antibiotic stewardship program implements one or both of the following strategies to optimize antibiotic prescribing: Preauthorization for specific antibiotics that includes an internal review and approval process prior to use. Prospective review and feedback regarding antibiotic prescribing practices, including the treatment of positive blood cultures, by a member of the antibiotic stewardship program.
- **EP 18 (new):** The antibiotic stewardship program implements at least two evidence based guidelines to improve antibiotic use for the most common indications. Note 1: Examples include, but are not limited to, the following: Community acquired pneumonia. Urinary tract infections. Skin and soft tissue infections. Clostridioides difficile colitis. Asymptomatic bacteriuria. Plan for parenteral to oral antibiotic conversion. Use of surgical prophylactic antibiotics.
- **EP 19 (new):** The antibiotic stewardship program evaluates adherence (including antibiotic selection and duration of therapy, where applicable) to at least one of the evidence based guidelines the hospital implements. Note 1: The hospital may measure adherence at the group level (that is, departmental, unit, clinician subgroup) or at the individual prescriber level.
- **EP 20 (revised):** The antibiotic stewardship program collects, analyzes, and reports data to hospital leadership and prescribers.
- **EP 21 (revised):** The hospital takes action on improvement opportunities identified by the antibiotic stewardship program.

CMS – Centers for Medicare & Medicaid Services

Requiring ASPs for Hospitals and Critical Access Hospitals (CAHs)

- ❖ In September of 2019, CMS, after **close collaboration with CDC**, published a final rule revising a number of the CoP requirements for all Medicare and Medicaid-participating hospitals and CAHs in an **effort to update those requirements that do not fully conform to current standards of practice**.
- ❖ The rule specifically updates the current requirements for **hospitals to have active and hospital-wide infection prevention and control programs for surveillance, prevention, and control of healthcare-associated and other infections** (and establishes new requirements for CAHs to have the same).
- ❖ Most significantly, this rule also establishes **new requirements for hospitals and CAHs to now have active and facility-wide ASPs to help reduce inappropriate antibiotic use and antimicrobial resistance**.
- ❖ These CoPs also **require hospitals and CAHs to designate qualified leaders in these facilities to guide and oversee these efforts**.
- ❖ These new CoP requirements for hospitals and CAHs **must be implemented by March 30, 2020**.



Indian Health Service

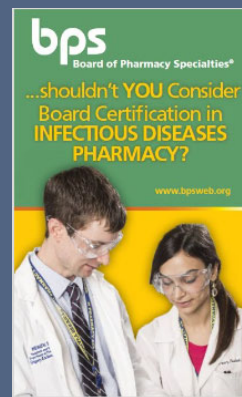
The Federal Health Program for American Indians and Alaska Natives

- Indian Health Manual
- Chapter 39 – Antimicrobial Stewardship Program
<https://www.ihs.gov/ihtm/pc/part-3/chapter-39-antimicrobial-stewardship-program/>
- Purpose. To establish multidisciplinary guidelines for the development of local policies and procedures for Indian Health Service (IHS) facilities to provide antimicrobial stewardship to protect patient safety and public health.
- Policy. It is the policy of the IHS to maintain an Antimicrobial Stewardship Program (ASP) with the mission of promoting the appropriate use of antibiotics to treat infections and reduce possible adverse events associated with antibiotic use.

Certifications & Trainings

Board of Pharmacy Specialties (BPS)

- Board Certified Infectious Disease Pharmacist (BCIDP)
- Eligibility Requirements
 - Pharmacy Degree
 - Current and active license
 - One of the three
 - 4 years experience in ID
 - PGY 1 Residency + 2 years experience in ID
 - PGY 2 in ID
 - Pass the BCIDP Exam

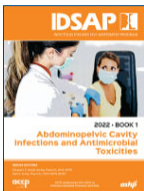


<https://www.bpsweb.org/bps-specialties/infectious-diseases-pharmacy/>

BCIDP Recertification Options

- Certification is for 7 years
- How do you maintain?
 - Retake the exam in your 7th year
 - OR
 - 100 hours of Continuing Education from approved provider

INFECTIOUS DISEASES SELF-ASSESSMENT PROGRAM (IDSAP)



ACCP's Self-Assessment Programs are home study series that provide clinical pharmacists with pertinent therapeutic updates to enhance their practice skills and improve patient outcomes.

IDSAP has been approved by the Board of Pharmacy Specialties (BPS) as a professional development activity for Board Certified Infectious Diseases Pharmacist (BCIDP) recertification. The IDSAP releases are designed to provide credit availability toward BCIDP recertification.



ACCP collaborates with ASHP on Infectious Diseases Pharmacy activities.

2022 ACCP/ASHP INFECTIOUS DISEASES PHARMACY PREPARATORY REVIEW AND RECERTIFICATION COURSE



ACCP collaborates with ASHP on Infectious Diseases Pharmacy activities.



ADVANCE infectious diseases pharmacy and LEAD antimicrobial stewardship in order to OPTIMIZE the care of patients

BCIDP Recertification

Welcome and congratulations to all the newly Board Certified Infectious Diseases Pharmacists!

SIDP is pleased to have been selected by the Board of Pharmacy Specialties (BPS) as one of the approved providers of recertification credit.

SIDP is the premier organization for Infectious Diseases and Antimicrobial Stewardship pharmacists. The BCIDP recertification content provided by SIDP will be diverse and engaging, ranging from traditional webinars and home study options, to credit at SIDP live meetings, podcasts, journal clubs, and more!

Links

[SIDP Recertification](#)
[IDSAP](#)
[ACCP Recertification Course](#)

ACCP / ASHP Infectious Diseases

- These courses and modules can be also be taken for ID / ASP continuing education even if you have no plans of sitting for the BCIDP exam

Standard MM.09.01.01: The hospital establishes antibiotic stewardship as an organizational priority through support of its antibiotic stewardship program.

EP 10 (new): The hospital allocates financial resources for staffing and information technology to support the antibiotic stewardship program. (See also LD.01.03.01, EP 5)

- Our leadership has purchased various courses for ASP Committee members to help comply with TJC standards

Making a Difference in Infectious Diseases



- Two ASP Training Programs to earn an ASP certificate
- Basic Program
 - 3 modules to complete + Practical Component
- Advanced Program
 - Delivered live at the MAD-ID Annual ASP Meeting + Practical Component
- You also gain access to MAD-ID discussion forums and MAD-ID resources

<https://mad-id.org/>

Society of Infectious Disease Pharmacists

ANTIMICROBIAL STEWARDSHIP CERTIFICATE PROGRAMS



SIDP Antimicrobial Stewardship Certificate Programs

SIDP offers two Antimicrobial Stewardship Certificate programs, one in Acute Care and one in Long-Term Care with the American Society of Consultant Pharmacists.

<https://sidp.org/Stewardship-Certificate>



SOCIETY OF INFECTIOUS DISEASES PHARMACISTS

ADVANCE infectious diseases pharmacy and LEAD antimicrobial stewardship in order to OPTIMIZE the care of patients

Antimicrobial Stewardship Certificate Programs

About

The Society of Infectious Diseases Pharmacists currently offers three programs that provide education on the pharmacist's role in the appropriate use of antimicrobial agents. All ACPE accredited programs consist of three phases and can be completed within one's home/practice environment. Phase 1 consists of self-study modules. Phase 2 allows participants to engage in live webinars with content authors with a question and answer session after the webinar. Phase 3 involves participants completing a practice-based project demonstrating individual mastery of concepts by applying what was learned in the self-study and webinars to implement, evaluate, or modify some aspect of antimicrobial stewardship at their facility. Finally, the research series provides education on how pharmacists can develop, conduct, and publicize their antimicrobial stewardship research endeavors.

SIDP Antimicrobial Stewardship Certificate Program for Acute Care

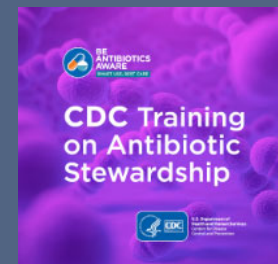
This certificate program is designed to educate pharmacists practicing in the acute care setting. It provides a self-study and/or webinar-based review of microbiology, pharmacology/pharmacokinetics, diagnostic technologies, disease state management, interventions/implementation, outcomes, and compliance with current regulations. This content is meant to supply the participant with fundamental knowledge needed to implement, manage, and improve antimicrobial stewardship programs.

LEARN MORE

CDC's Antibiotic Stewardship Training Series

- Communication training for clinicians to improve outpatient antibiotic prescribing and use
- Used as education for new providers or training staff to meet TJC education requirement
- Certificate given after completing training

2. The [critical access] hospital educates staff and licensed independent practitioners involved in antimicrobial ordering, dispensing, administration, and monitoring about antimicrobial resistance and antimicrobial stewardship practices. Education occurs upon hire or granting of initial privileges and periodically thereafter, based on organizational need.



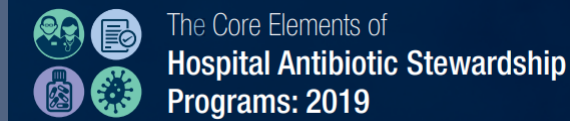
https://www.train.org/cdctrain/training_plan/3697

Toolkits and Patient Education

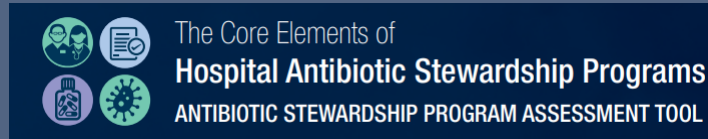
CDC Core Elements

- CDC's Core Elements of Antibiotic Stewardship offer providers and facilities a set of key principles to guide efforts to improve antibiotic use and, therefore, advance patient safety and improve outcomes.
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- These frameworks complement existing guidelines and standards from key healthcare partner organizations, including the Infectious Diseases Society of America, Society for Healthcare Epidemiology of America, American Society of Health System Pharmacists, Society of Infectious Diseases Pharmacists, and The Joint Commission.

Core Elements of Hospital Antibiotic Stewardship Programs



Antibiotic Stewardship Program Assessment Tool



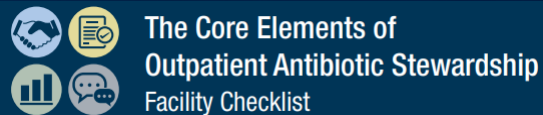
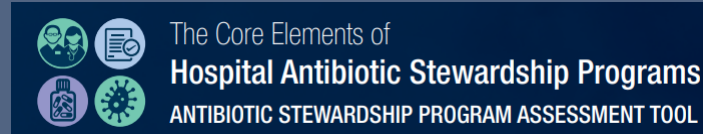
The Core Elements outlines structural and procedural components that are associated with successful stewardship programs.

https://www.cdc.gov/antibiotic-use/core-elements/hospital.html#anchor_1573765130706

Core Elements of Outpatient Antibiotic Stewardship Programs



Antibiotic Stewardship Program Assessment Tools



The Core Elements of Outpatient Antibiotic Stewardship provides a framework for antibiotic stewardship for outpatient clinicians and facilities that routinely provide antibiotic treatment.

<https://www.cdc.gov/antibiotic-use/core-elements/outpatient.html>

SIDP Antimicrobial Stewardship Advocacy Toolkit

- SIDP promotes the proper use of antimicrobials through effective antimicrobial stewardship strategies.
- The toolkit contains information for healthcare providers on ways to contribute to antimicrobial stewardship and educate patients on appropriate use and safety of antibiotics.
- Use these resources for an ASP Education Awareness week at your facility

<https://sidp.org/AMSToolkit>

5 Ways Pharmacists can Be Antibiotics Aware

- 1. Verify Penicillin Allergy
- 2. Avoid Duplicative Anaerobic Coverage
- 3. Reassess Antibiotic Therapy
- 4. Avoid Treatment of Asymptomatic Bacteriuria
- 5. Use the Shortest Effective Antibiotic Duration



GOT OLD ANTIBIOTICS? Dispose of them safely here!

You can turn in your unused or expired antibiotics for safe disposal here

What can I do to use antibiotics safely?

- Only use antibiotics as directed by your prescriber
- Never save antibiotics for future use
- Never share antibiotics with another person



Why should I dispose of old antibiotics safely?

- Use of antibiotics when you don't need them can cause harm, such as:
 - Antibiotic resistance
 - Side effects
- Improper disposal can cause problems, such as:
 - Accidental ingestion
 - Water pollution

How do I dispose of my old antibiotics?

1. Collect your unused, expired, or unwanted antibiotic tablets, capsules, and liquids.
2. Cross out or remove personal information on the container.
3. Bring your unwanted antibiotics to our pharmacy for disposal.

Additional questions about the safe use and disposal of antibiotics? Talk with your pharmacist!



AHRQ Resources

AHRQ Agency for Healthcare Research and Quality

Topics ▾ Programs ▾ Research ▾ Data ▾ Tools ▾ Funding & Grants ▾ News ▾ About ▾

Home > Healthcare-Associated Infections Program > Tools > Improving Antibiotic Use

SHARE: [f](#) [t](#) [e](#) [p](#) [+](#)

Healthcare-Associated Infections Program

- Combating Antibiotic-Resistant Bacteria
- Comprehensive Unit-based Safety Program (CUSP)
- National Scorecard Reports
- Reducing Hospital-Acquired Conditions
- Tools

AHRQ Safety Program for Improving Antibiotic Use

This ongoing implementation project aims to help providers use the CUSP method to improve the use of antibiotics and reduce antibiotic resistance.

Project Toolkits

- [Toolkit To Improve Antibiotic Use in Long-Term Care](#) NEW
- [Toolkit To Improve Antibiotic Use in Acute Care Hospitals](#)

<https://www.ahrq.gov/hai/tools/antibiotic-stewardship/index.html>

AHRQ Acute Care Resources

Moment 1 occurs at the time initiation of antibiotic therapy is considered:
Ask, "Does my patient have an infection that requires antibiotics?"

Moment 2 occurs when the decision is made to start antibiotics:
Ask 2 questions, "Have I ordered appropriate cultures before starting antibiotics? What empiric therapy should I initiate?"

Moment 3 occurs every day of antibiotic therapy:
Ask 3 questions, "Can I stop antibiotics? Can I narrow therapy? Can I change from IV to oral therapy?"

Moment 4 occurs when the infectious process is clear and the patient responds to therapy:
Ask, "What duration of antibiotic therapy is needed for my patient's diagnosis?"

AHRQ Safety Program for Improving Antibiotic Use

Antibiotic Time Out Tool

Team Antibiotic Review Form

Antibiotic Stewardship Checklist

<https://www.ahrq.gov/hai/tools/antibiotic-stewardship/index.html>

U.S. Antibiotic Awareness Week (USAAW)

U.S. Antibiotic Awareness Week is November 18-24, 2022.



USAAW is an annual observance that raises awareness of the threat of antibiotic resistance and the importance of appropriate antibiotic use.

- U.S. Antibiotic Awareness Week is an annual one-week observance that gives participating organizations an opportunity to raise awareness of the importance of appropriate antibiotic use to combat the threat of antibiotic resistance.
- *Be Antibiotics Aware*, a CDC educational effort, complements U.S. Antibiotic Awareness Week by providing partners with up-to-date information to help improve human antibiotic prescribing and use in the United States.

Antibiotic Awareness Week

- Graphics and Visuals
- Social Media Resources
- Handouts and Posters
- Patient and Provider Education

**U.S. ANTIBIOTIC
AWARENESS WEEK**
November 18–24, 2022
www.cdc.gov/antibiotic-use



**BE
ANTIBIOTICS
AWARE**
SMART USE, BEST CARE



<https://www.cdc.gov/antibiotic-use/week/index.html>

Guidelines & Decision Making Tools

Infectious Diseases Society of America (IDSA)

IDSA Practice Guidelines

IDSA **Clinical Practice Guidelines** are developed by a panel of experts who perform a systematic review of the available evidence and use the GRADE process to develop evidence-based recommendations to assist practitioners and patients in making decisions about appropriate health care for specific clinical circumstances.

Download the App

[Download for Apple](#)

[Download for Android](#)

Scan the QR Code

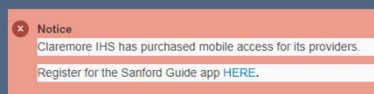


https://www.idsociety.org/practice-guideline/practice-guidelines/#/+/0/date_na_dt/desc/

<https://webedition.sanfordguide.com/en>

Sanford Guide Web Edition

- Monthly ID Update
- Antibiotic Shortages
- Activity Spectra Tables
- Syndromes
- Pathogens
- Local Antibigram Integration



Stewardship Assist

Antimicrobial Stewardship App



ASP Guidebook

- Use as a template and tailor to your site/facility cultures and sensitivities

U.S. Public Health Service
 Claremore Indian Hospital
 Antimicrobial Stewardship Guidelines

TABLE OF CONTENTS	
Introduction	3
Skin and Soft Tissue Infections	7
Pneumonia	10
Urinary Tract Infections and Pyelonephritis	13
Bronchitis, Sinusitis, Pharyngitis & Upper Respiratory Tract Infections	14
Oral Infections	16
Helicobacter pylori	17
C. difficile	17
Sepsis in Adults	18
Tuberculosis	20
Intra-abdominal	21
Sexually Transmitted Diseases	22
Antibiotic Prophylaxis for Surgical Site Infections	23
IV to PO	26
2020 Antibiogram	27
References	29