



The Antimicrobial Stewardship Project at the Center for Infectious Disease Research and Policy (CIDRAP-ASP)

CIDRAP-ASP offers free, high-quality practice, research, and policy information and educational resources to encourage appropriate use of antimicrobials and build a global community dedicated to addressing stewardship issues across the continuum of health.



VISIT CIDRAP-ASP AT: CIDRAP.UMN.EDU/ASP

OUR ROLE

CIDRAP-ASP is a global resource for hospital antimicrobial stewardship teams, infectious disease clinicians, clinical pharmacists, public health officials, global health workers, veterinary and agricultural professionals, and others interested in the appropriate use of antimicrobials and addressing the threat of antimicrobial resistance worldwide.

Through our partnerships with subject matter experts, we provide a wealth of diverse resources for practitioners across the spectrum of human, animal, and environmental health to support their ability to provide optimal care.

CIDRAP-ASP generates deep, rich original content and aggregates the most useful information from diverse perspectives and expertise in the form of:

- Up-to-date news on stewardship issues
- Podcasts and webinars
- Policy reports
- Online community engagement
- Extensive global resource lists
- A database of clinical tools, including clinical pathways, dosing guidelines, evaluation metrics, treatment and prophylaxis guidelines, and much more

ANTIMICROBIAL STEWARDSHIP

What is antimicrobial stewardship?

Antimicrobial stewardship improves and measures the appropriate use of antimicrobials through the four R's:

- Right dose
- Right time
- Right antibiotic
- Right duration

In its broadest sense, stewardship encompasses any activity that promotes the judicious and appropriate use of antimicrobials in human medicine, veterinary medicine, and animal agriculture around the globe.

Why is stewardship important?

An estimated 700,000 people die of drug-resistant infections each year globally.

Stewardship interventions seek to optimize clinical outcomes and the accessibility of effective antimicrobials, while minimizing consequences of inappropriate use such as toxicity, selection of pathogenic organisms, and the emergence of resistant infections.

OUR WORK

CIDRAP-ASP's primary goal is to be a high-quality, international repository for experiential- and evidence-based antimicrobial stewardship information and resources.

Diverse expertise

An advisory committee comprising clinicians, pharmacists, and policy experts working to implement stewardship across the globe informs CIDRAP-ASP's priorities, goals, and focus areas.

Experts lend their voices to our series of podcasts and webinars that delve into practical issues, including:

- Outpatient prescribing practices and surveillance
- Antimicrobial stewardship tools
- Antimicrobial access in developing regions
- Global stewardship education methods

Policy synthesis

Several times each year, CIDRAP-ASP provides in-depth policy analysis of targeted antimicrobial resistance and stewardship issues, legislation, regulations, guidance, and global models of practice, along with more frequent news briefs on policy activities across the human, animal, and environmental health continuum.

ABOUT CIDRAP

The Center for Infectious Disease Research and Policy at the University of Minnesota works to prevent illness and death from infectious disease threats through the translation of scientific information into practical applications, policies, and solutions.

CIDRAP-ASP launched in July 2016 with a grant from Merck & Co.

OUR COMMUNITY

CIDRAP-ASP fosters a growing online community through its social media accounts, weekly newsletter, and monthly quizzes.

Web site: cidrap.umn.edu/asp

On Twitter: [@CIDRAP_ASP](https://twitter.com/CIDRAP_ASP)

On Facebook: [CIDRAPASP](https://www.facebook.com/CIDRAPASP)



OUR WORK IN ACTION

“Antibiotic stewardship is for our children’s children. We all need to be ‘stewards’ of antibiotics. CIDRAP-ASP is my go-to website for the cutting-edge news in infectious diseases.”

Debbie Goff, PharmD

Clinical Associate Professor, College of Pharmacy
The Ohio State University Medical Center



OUR WORK, continued

The latest news

Multiple online news stories each week detail and interpret antimicrobial stewardship initiatives and resistance issues from diverse human health, governmental, and agricultural perspectives.

Recent research

Whether you're providing patient care or studying for an exam, our conference summaries of breaking stewardship research and our bibliographies on antimicrobial resistance, prescribing, stewardship interventions, dosing, metrics, infection control, microbiology, animal health, and *Clostridium difficile* provide one of the most extensive, up-to-date resources available of peer-reviewed literature on antimicrobial stewardship and resistance.

Clinical tools

A database of hundreds of publicly available clinical tools offers adaptable materials on dosing, treatment, formulary restrictions, diagnostics, and more for use in diverse healthcare and veterinary settings.

Global efforts

Our list of programs and courses around the world addresses stewardship's dual purpose: to use antimicrobials wisely to discourage the spread of resistant infections, while increasing or maintaining access to effective treatments in low- and middle-income countries.

OUR ADVISORY COMMITTEE

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Antimicrobial Stewardship in Healthcare Systems

“We are losing our antibiotics at alarming rates. Antibiotic stewardship is how we save our future. We need to transform stewardship approaches. CIDRAP-ASP is helping to drive the movement forward.”

Brad Spellberg, MD

Professor of Clinical Medicine
Division of Infectious Diseases
USC Keck School of Medicine



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WHAT IS CLINICAL ANTIMICROBIAL STEWARDSHIP?

In a healthcare setting, stewardship interventions may include:

Formation of a stewardship team, led by a clinical pharmacist, infectious disease physician, or other engaged clinician.

Assessment of prescribing practices, such as provider audit and feedback, electronic health record prompts, antibiotic stop orders and timeouts, and pharmacist review of outpatient prescribing.

Optimization of antimicrobial use, such as reducing use of broad-spectrum antibiotics, advocating alternate dosing strategies, and promoting IV-to-oral conversion.

Achievement of better bug-drug matches with microbiology rounds, antibiogram use, and rapid diagnostic testing.

Implementing tailored treatment guidelines at all levels of healthcare, from the ICU to primary care and dentistry.

HOW CAN WE HELP?

CIDRAP-ASP provides a robust collection of news, research, and education for inpatient and outpatient ASP teams, including:

Clinical tools database

Choose from hundreds of clinical antimicrobial stewardship tools to download and adapt to your facility.

Policy analysis

Keep up to date with our clear analysis of mandates, regulations, and guidelines that may affect your standard of care.

Expert opinion

Listen to a podcast or watch a webinar with experts who have put antimicrobial stewardship into practice.

News stories

We provide the latest news on antimicrobial resistance development and stewardship initiatives around the world.