

# Antimicrobial Stewardship Rotation Needs Assessment

We are seeking the input of pediatric residents at St. Louis Children's Hospital as we improve the quality of the pediatric antimicrobial stewardship rotation. This survey will ask questions about your attitudes and beliefs regarding topics related to antimicrobial stewardship. It will also ask questions about your prior educational experiences related to antimicrobial stewardship, content areas within antimicrobial stewardship you would benefit most from learning more about, as well as your preferred ways to learn about antimicrobial stewardship.

Your participation in this survey is completely voluntary. Some questions will ask for information about your background. No attempt will be made to associate a response with an individual. By completing and submitting this survey, you consent to have your responses analyzed and potentially shared with others in aggregate form.

Please feel free to contact Matthew Sattler at [sattler@wustl.edu](mailto:sattler@wustl.edu) with any questions or concerns.

## The following questions will assess your personal beliefs related to antibiotics.

### To what extent do you believe the following statements are true?

	Not at all	To a small extent	To a moderate extent	To a large extent	To a very large extent
Knowledge of antimicrobials is important for my clinical practice.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inappropriate use of antimicrobials causes antimicrobial resistance.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Inappropriate use of antimicrobials harms patients.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Antimicrobial resistance is a problem nationally.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Antimicrobial resistance is a problem at my hospital.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

## Resources on Antimicrobial Use

The following questions will assess what resources you use when prescribing antimicrobials.

Do you know how to access your hospital's antibiogram?

- Yes  
 No

How often do you use your hospital's antibiogram when treating suspected or confirmed infections?

- Less than 25% of the time  
 25% to 49% of the time  
 About 50% of the time  
 51% to 75% of the time  
 More than 75% of the time

Do you know where to find your hospital's empiric antibiotic treatment recommendations (i.e., the antimicrobial guidebook)?

- Yes  
 No

How often do you use your hospital's empiric antibiotic treatment recommendations (i.e., the antimicrobial guidebook) when treating suspected or confirmed infections?

- Less than 25% of the time  
 25% to 49% of the time  
 About 50% of the time  
 51% to 75% of the time  
 More than 75% of the time

In addition to your hospital's antibiogram and empiric antibiotic treatment recommendations (i.e., the antimicrobial guidebook), what other resources do you use when treating suspected or confirmed infections? You may select multiple responses.

- Antimicrobial stewardship team  
 Clinical practice guidelines (e.g., from the Infectious Diseases Society of America [IDSA], American Academy of Pediatrics [AAP], etc.)  
 Infectious diseases consultation team  
 Lexicomp  
 Primary literature (i.e., case reports or studies published in medical journals)  
 Red Book 2021-2024 AAP Report of the Committee on Infectious Diseases  
 Textbooks (e.g., Nelson Textbook of Pediatrics, Feigin and Cherry's Textbook of Pediatric Infectious Diseases, etc.)  
 UpToDate (or other similar sites)  
 I have not used any of these resources  
 Other (describe below)

What other resources do you use when considering how to treat suspected or confirmed infections?

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## Prior Educational Experiences with Antimicrobial Stewardship

The following questions will assess your prior educational experiences related to antimicrobial stewardship.

How satisfied are you with the education on antimicrobial stewardship you received during medical school?

- Not at all satisfied  
 Slightly satisfied  
 Moderately satisfied  
 Very satisfied  
 Extremely satisfied

This may include education you received in both clinical and non-clinical settings.

Did you complete a clinical rotation in infectious diseases while you were in medical school?

- Yes  
 No

Was your infectious diseases (ID) rotation in adult ID, pediatric ID, or a combination of the two? Select all that apply.

- Adult infectious diseases  
 Pediatric infectious diseases  
 Combination of adult and pediatric infectious diseases

Did you complete an antimicrobial stewardship rotation while you were in medical school?

- Yes  
 No

If you completed an antimicrobial stewardship rotation while you were in medical school, was the rotation an adult antimicrobial stewardship rotation, a pediatric antimicrobial stewardship rotation, or a combination of the two? Select all that apply.

- Adult antimicrobial stewardship rotation  
 Pediatric antimicrobial stewardship rotation  
 Combination adult and pediatric antimicrobial stewardship rotation

How satisfied are you with the education on antimicrobial stewardship you have received since starting residency training?

- Not at all satisfied  
 Slightly satisfied  
 Moderately satisfied  
 Very satisfied  
 Extremely satisfied

This may include education you have received in didactics and while on clinical rotations.

Have you completed a pediatric infectious diseases rotation since starting residency training?

- Yes  
 No

Have you completed an antimicrobial stewardship rotation since starting residency training?

- Yes  
 No

**The following questions will assess areas related to antimicrobial stewardship in which you may want additional education.**

**How useful would additional education in each of the following content areas be to you?**

	Not at all useful	Slightly useful	Moderately useful	Very useful	Extremely useful
Adverse effects of antibiotics	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Antibiotic spectrum of activity (which antibiotics cover which bacteria)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Antimicrobial prophylaxis (the use of antibiotics to prevent infection from developing)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Antimicrobial resistance	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Duration of antibiotic therapy for common infectious diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Empiric antibiotic therapy (the use of antibiotics when the specific causative pathogen is not known) for common infectious diseases	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Interpretation of common tests used to diagnose infectious diseases (e.g., cultures, rapid molecular diagnostics, biomarkers, serologic testing, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Managing reported antibiotic allergies	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

What other topics within antimicrobial stewardship are you interested in learning more about?

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## Antimicrobial Stewardship Education

The following questions will assess your preferred methods of learning while on the antimicrobial stewardship rotation.

What methods of learning antimicrobial stewardship concepts would be useful to you on the antimicrobial stewardship rotation? Select as many formats as you like.

- None, I do not want additional education on antimicrobial stewardship
- Discussion on rounds with stewardship team
- Small group case-based discussions
- In-person didactic lectures
- Pre-recorded lectures to view on your own time
- Narrated slide decks with transcriptions in the comments to review on your own time
- Board-style questions with answer explanations
- Handouts to reference in clinical practice
- Curated list of references to read
- Other (you will be asked to provide additional information below)

What other methods of learning antimicrobial stewardship concepts would be useful to you?

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Do you have any additional thoughts that you think would be useful to strengthen the antimicrobial stewardship elective rotation?

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**Demographic Information**

**The following questions are regarding your level of training.**

Year in Training

- PGY-1
- PGY-2
- PGY-3
- PGY-4
- PGY-5
- Other

If you answered other, please respond with your year in training.

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