

KASIC NEWSLETTER

Issue Eleven, Volume Two

*Pictured Top: Bowling Green, KY
Attribution to bgky.org*



Resistance on the Rise

The CDC just released a new fact sheet detailing the rate changes of 7 antimicrobial resistant pathogens from 2020-2022 compared to 2019.

- Extended-spectrum beta-lactamases (ESBL)
- Carbapenem-resistant Enterobacterales (CRE)
- Carbapenem-resistant *Acinetobacter* (CRAB)
- *Candida auris*
- Methicillin-resistant *Staphylococcus aureus* (MRSA)
- Vancomycin-resistant *Enterococcus* (VRE)
- Multidrug-resistant (MDR) *Pseudomonas aeruginosa*

Overall, there was a 20% increase in hospital-onset infections due to these pathogens during the COVID-19 pandemic, with rates peaking in 2021. In 2022, most rates were stable from 2021 peaks, but fortunately, decreases were seen with MRSA.

Increases in these resistant pathogens puts greater emphasis on antimicrobial stewardship and infection prevention efforts.

[Click here to read the full report](#)

New Guidance on Treatment of Antimicrobial Resistant Gram-Negative Infections

The IDSA released a guidance document with updated recommendations for gram-negative infections with problematic resistance mechanisms.

- Extended-spectrum beta-lactamases (ESBL)
- AmpC beta-lactamases
- Carbapenem-resistant Enterobacterales (CRE)
- Carbapenem-resistant *Acinetobacter baumannii* (CRAB)
- Difficult to treat *Pseudomonas aeruginosa*
- *Stenotrophomonas maltophilia*

Reach out to KASIC today if your institution needs assistance with treatment of gram-negative infections!

[Click here to read the full guidance](#)



KASIC Cases

Each week, a fictional case describing a common antimicrobial stewardship opportunity is posted on X (formerly Twitter) and LinkedIn. Participants are encouraged to answer the poll first and then review the best answer along with an explanation.

Ready to test your antimicrobial stewardship knowledge?

Try out the latest case:

An elderly patient reports a penicillin allergy. You learn he had a non-itching rash in his early 20s but no difficulty breathing or need for treatment.

Is it appropriate to challenge his penicillin allergy with oral amoxicillin?

- A. Yes, challenge
- B. No challenge

[Click here for the BEST answer](#)

[Read more cases here](#)

[Follow KASIC on Twitter & LinkedIn](#)

Antimicrobial Stewardship Certificate Program

The Kentucky Hospital Association (KHA) is sponsoring **26 pharmacists or pharmacy residents** for the Society of Infectious Diseases Pharmacists' (SIDP) Antimicrobial Stewardship Certificate Program. The program has a value of \$600 and consists of 3 phases which are to be completed within 1 year of the program start date.

[Click here](#) for more information about the program

To register, email Jessica Covington at jcovington@kyha.com

Latest Clinical Education Pearls: Click to Read!

[The Pneumonia Formerly Known as HCAP](#)

[Mingling with Micro: Selective/Cascade Reporting](#)

[Beat the Bug: *Stenotrophomonas maltophilia*](#)

[Don't Let the Bug Beat You: *Stenotrophomonas maltophilia*](#)

Norton Infectious Diseases Institute Grand Rounds Educational Series

[Foodborne Illnesses](#)

[Navigating Laboratory Regulations](#)

[Highly Pathogenic Avian Influenza A \(H5N1\)](#)

[Click here for Grand Rounds Information](#)