



Children's Mercy Antibiogram Update

By: Annie Wirtz, PharmD, BCPPS

Did you know that each year the Children's Mercy Microbiology Laboratory publishes a Children's Mercy specific antibiogram? Read below to learn more about where to find this and how to use it for empiric antibiotic choices.

What is an antibiogram?

Compilation of susceptibility results from bacteria isolated at a hospital

Display **percent of tested isolates that were susceptible** to certain antibiotics

Typically specific to the past year and the hospital



Where can I find the CM Antibiogram?

[Antibiogram](#) link within Tools & Apps on the Scope

[ChildrensMercy.org Pathology and Laboratory medicine website](#)

[Empiric Guidelines for Common Infections](#) and [Outpatient Antibiotic Handbook](#)



How can I use the antibiogram?

Provides the **"likelihood"** of specific antibiotics adequately treating a bacteria before isolate-specific susceptibilities are available

Ex. 94% of urine E.coli were susceptible to cefazolin so it may be a good empiric antibiotic for an E. coli UTI

Not patient or unit specific. Doesn't consider patient factors (antibiotic exposures, prior resistant infections, etc.)



Key Findings in the 2021 Antibiograms

Clindamycin susceptibilities to MRSA (86%) and MSSA (82%) remain stable. Remember oxacillin and cefazolin cover 100% of MSSA isolates and are better choices for MSSA infections.

Ampicillin/penicillin continue to cover high rates of *Streptococcus pneumoniae* in patients without meningitis (95%) and are great antibiotics for community acquired pneumonia.

There were some slight increases/decreases in gram-negative isolate susceptibility to beta-lactams, ciprofloxacin, and sulfamethoxazole/trimethoprim, however no significant treatment changes are suggested based on this.

Click [here](#) to take a quiz!



Annie Wirtz is an infectious diseases pharmacist and co-director of the antimicrobial stewardship program. In her spare time she enjoys spending time with her husband and son Charlie.