

Specific antibiograms needed for outpatients in primary care

May 11 2013



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Jessina C. McGregor, Ph.D., from Oregon Health & Science University in Portland, and colleagues developed inpatient and primary care outpatient antibiograms for a regional health maintenance organization (HMO) and academic health care system (AHS). They summarized and

compared antimicrobial susceptibilities from 16,428 cultures from 2010 for *Enterococcus*, *Staphylococcus aureus*, *Escherichia coli*, *Klebsiella pneumoniae*, and *Pseudomonas aeruginosa*.

The researchers found that, in inpatients and primary care outpatients, methicillin susceptibility among *S. aureus* was similar in both the HMO and AHS. Susceptibility of *E. coli* to trimethoprim/sulfamethoxazole was also similar in both the HMO and AHS. However, susceptibility to ciprofloxacin was significantly lower in inpatient versus primary care outpatient settings. In the HMO, the frequency of ciprofloxacin-susceptible *P. aeruginosa* was significantly higher in primary care outpatients than inpatients.

"Comparison of cumulative susceptibilities across settings yielded no consistent patterns; therefore, outpatient [primary care](#) antibiograms may more accurately inform prudent empiric antibiotic prescribing," the authors write.

More information: [Abstract](#)
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Citation: Specific antibiograms needed for outpatients in primary care (2013, May 11) retrieved 2 May 2024 from
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