

Antimicrobial Susceptibility Testing Project

Acknowledgement: The Wisconsin State Laboratory of Hygiene (WSLH) gratefully acknowledges the contributions of Wisconsin clinical laboratories to the activities listed below.

During 2007 through 2009, the Wisconsin State Laboratory of Hygiene (WSLH) is conducting a series of activities related to antimicrobial susceptibility testing (AST) in Wisconsin clinical laboratories as part of a grant funded by the Centers for Disease Control and Prevention (CDC). WSLH activities related to AST are listed below. Survey results and a statewide antibiogram can also be accessed on this webpage.

WSLH AST Activities During 2007

- surveyed clinical laboratories in Wisconsin about their antimicrobial susceptibility testing (AST) practices (see: http://www.slh.wisc.edu/labupdates/reports/documents/Wisconsin_AST_Survey_2007_Results.pdf)
- compile a statewide antibiogram from antibiograms provided by Wisconsin clinical laboratories (see: http://www.slh.wisc.edu/labupdates/reports/documents/Wisconsin_2006_Statewide_Antibiogram.pdf)
- performed a validation study of AST practices for methicillin-resistant *Staphylococcus aureus* (MRSA) with participating laboratories

The results of these activities will be published in peer-reviewed journal articles and also be summarized and posted on the WSLH website as they become available.

WSLH AST Activities During 2008

- provided an AST teleconference for Wisconsin laboratories
- conducted an AST workshop for Wisconsin laboratories
- provided Clinical Laboratory Standards Institute (CLSI) documents to Wisconsin clinical laboratories

WSLH AST Activities During 2009

- provided additional Clinical Laboratory Standards Institute (CLSI) documents to Wisconsin clinical laboratories
- again surveying clinical laboratories to measure any change from the 2007 survey as part of a six state project with CDC.

AST Publications

- Broekema NM, Van TT, Monson TA, Marshall SA and Warshauer DM. Large Sample Comparison of Cefoxitin and Oxacillin Disk Diffusion Methods to Detect *mecA*-mediated Resistance in *Staphylococcus aureus*. *Journal of Clinical Microbiology*. 47:217-219, 2009.