



State Hygienic Laboratory

Intern/Practicum Project

Location: Coralville

Project Title: Statewide Antibigram for Iowa

Describe the project/work to be completed:

An antibiogram is an overall profile of antimicrobial susceptibility testing results of a specific microorganism to a battery of antimicrobial drugs. Each hospital produces a periodic summary of the antimicrobial susceptibilities of local bacterial isolates submitted to the hospital's clinical microbiology laboratory. While the hospital's antibiogram is used to assess local susceptibility rates, there is not a statewide antibiogram for Iowa, and this project will focus on developing one.

Number of hours per week: 10

Desired Project Period: Spring, Summer

Type of position: Practicum (unpaid)

Desired Skills:

The person performing this project should have good analytical and statistical skills.

Mentor:

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Additional Justification:

The project plan includes:

1. Requesting that hospitals submit the antibiogram, preferably electronically.
2. Verifying that the hospitals follow CLSI guidelines for the production of an antibiogram.
3. Validating that the statistics submitted are accurate.
4. Combining the values from various hospitals into a statewide document.
5. Using statistical tools to validate the accuracy.