

**Drug Utilization Evaluation for Chlamydia and Gonorrhea Treatments**

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## **Abstract**

At Southern Illinois University Edwardsville (SIUE) Health Service, one of the most treated infections is chlamydia. The risk factors for both chlamydia and gonorrhea are so similar that the CDC recommends that the patient is treated for both if one is not ruled out. To better protect the SIUE community, the objective of this retrospective cohort study using electronic health records (EHR) and pharmacy profiles was to determine if the 2021 Center for Disease Control (CDC) guidelines for chlamydia and gonorrhea were followed when treating these infections. To determine this, a report was run to identify patients who tested positive for chlamydia and gonorrhea infections at SIUE Health Service during July 1, 2022 through June 30, 2023. Information was gathered from both the patient's pharmacy and health record and analyzed via the flowcharts (see Appendix 1 and 2) representing the pathway to the correct antibiotic selection per the CDC guidelines. It was established that the chlamydia guidelines were followed in 97.6% of cases, while gonorrhea guidelines were followed 100% of the time. Overall, the SIUE Health Service is following the CDC guidelines when treating chlamydia and gonorrhea which creates positive outcomes for the SIUE community.