



- 1. To determine the feasibility of implementing an Acute Uncomplicated Urinary Tract Infection (UTI) treatment board approved protocol in a small suburban community pharmacy.
- 2. To identify potential barriers including appropriate cost, accessibility, and expectations from patients for UTI treatment at an independent pharmacy.

Background

- Urinary tract infections (UTIs) are one of the most common type of infections in adult women, and there is a significant opportunity to increase access to appropriate UTI therapy.¹ UTIs cause a substantial number of medical visits for women over their lifetime, with recurrence often occurring and antibiotic resistance tends to develop.¹
- With the increases in the rates of SAR-CoV-2, access to providers will continue to be limited. Pharmacists are trusted within their communities and have played a crucial part in the response to the pandemic.
- Kentucky authorized a regulation to have board-approved protocols that pharmacists can implement within their practices.² With other healthcare systems focused on treating SARS-CoV-2, pharmacists in Kentucky can provide appropriate consultation and treatment to patients within these approved protocols including UTI therapy.

Methods

- An anonymous, qualitative survey was provided to female patients ages 18-64 during point-ofsale at one independent community pharmacy following Institutional Review Board (IRB) approval. The study received exempt status from the University of Kentucky IRB.
- Data was collected over a twelve-week period from December 2021 through February 2022. Ο
- The survey items were designed to assess patients' awareness of UTI screening, familiarity with treatment via physician/pharmacist protocol, willingness to receive screening in a community pharmacy, and potential barriers to receiving the screening test and treatment. Other demographic information was collected for analysis including age, ethnicity, and education.
- Surveys were collected at the pharmacy and placed in a locked box.
- A total of 42 paper surveys were distributed and collected. None were excluded.
- Data was analyzed using descriptive statistics. ANOVA with a pairwise Post Hoc comparison using a Bonferroni correction was performed to determine significant variations in participant responses for willingness to be tested based on age group and education level. An Independent samples t-test was performed to compare between race responses for the willingness to be tested. A level of significance was defined as $P \le 0.05$ using IBM SPSS Statistics version 27.

Evaluation of Barriers and Facilitators to providing an Acute, Uncomplicated Urinary Tract Infection Protocol in an Independent Community Pharmacy

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*p-value = 0.007

