**RESULTS**

**Background:** Increasing rates of antibiotic resistance among pathogens associated with urinary tract infections (UTIs) has led to a need for more effective and efficient treatment options.

**Methods:** A retrospective analysis was conducted using a large claims database to evaluate the presence of treatment failure for patients with UTIs, focusing on the relationship between antibiotic susceptibility and clinical outcomes.

**Results:**

1. **Effect of Antibiotic Susceptibility:** Patients with UTIs with pathogens resistant to the initial antibiotic were more likely to experience treatment failure compared to those with susceptible pathogens.

2. **Cost of Treatment:** Treatment failure costs $200 more per episode, twice that of treatment success.

3. **Factors Associated with Failure:** Factors associated with treatment failure included age, gender, diabetes, comorbidities, and specific antibiotic classes.

**Conclusions:** The findings highlight the importance of selecting appropriate antibiotics based on susceptibility results to improve outcomes and reduce healthcare costs.