# Prevalence of *Escherichia Coli Among* Urinary Tract Infections Patients (aged 0-70 years) Attending Hadejia General Hospital, Jigawa State-Nigeria.

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## Abstract

*Urinary Tract Infections (UTIs) are one of the most common nosocomial infections after Respiratory Tract Infections (RTIs) worldwide. Nowadays it represents one of the most common diseases encountered in medical practice affecting people of all ages from the neonate to the geriatric age group. The aim of this research work was to find the prevalence of Escherichia Coli among Urinary Tract Infections patients (0-70 years) attending Hadejia General Hospital, Jigawa State-Nigeria between August and September, 2019. A total of One hundred (100) urine samples comprising of 42(42%) in female and 58(58%) in male were obtained from the patients with age ranged from 0-70 years and analyzed. Samples collected were cultured and incubated at 37C for 24 hours. Isolation and Identification of bacteria was done by standard laboratory procedures. Twenty-six (26) samples yielded significance growth for E. Coli out of which 15 were from females and 11 were from males, based on cultural, microscopic and biochemical characteristics. The highest prevalence occurred within the age ranged 31-40 with females taking the lead. This means that it's necessary to practice good personnel hygiene through hand washing and used of hand sanitizer to reduce the incidence of microbial transmission.*

**Key words:** Urinary Tract Infections, *Escherichia Coli*, Prevalence, Urinary Pathogens and patients