

# Pediatric Pathology & Laboratory Medicine

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In Africa, little is known about urinary tract infection (UTI) in children. The aim of the study was to investigate the epidemiology of UTI among children at the Komla Teke Teaching Hospital (KBTH) in Ghana.

A total of 111 children aged 1 to 15 years were recruited from the Komla Teke Teaching Hospital (KBTH) and the Komla Teke Teaching Hospital (KBTH) day care center. Urine samples were collected from each child and analyzed for UTI. The mean age of the children was 6.6 months. Infants and young children were included in the study.

The prevalence of UTI among children and infants was 10.9% (6/55) and 18.8% (3/16), respectively ( $P=0.411$ ). Incidence of UTI among children and infants was 1.8% (1/55) and 6.3% (1/16), respectively ( $P=0.125$ ). Overall, 11% (1/9) of the UTI cases among children were male. Sex was not a significant risk factor (OR=17.7,  $P=0.008$ ) and age (OR=38.7,  $P=0.002$ ) was identified as a risk factor for UTI. *Escherichia coli* was the most common organism isolated in UTI and was susceptible to amikacin, cefixime, ceftriaxone, ampicillin, cefepime, ciprofloxacin, meropenem, netilmicin and teicoplanin.

UTI is a common condition among children and infants. The main source of infection is believed to be the gastrointestinal tract. The main source of infection is believed to be the gastrointestinal tract. UTI among children is mainly caused by *E. coli* and other gram-negative organisms.

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