

Table 1: Empiric Treatment

Condition	First-Choice Therapy	Alternative Therapy	Comments
Urinary tract infection, community-onset, 2 months-12 years of age, outpatient therapy	<p>Patient without significant recent antibiotic exposure or known urinary tract abnormalities:</p> <p>Cephalexin 25mg/kg/dose PO TID (max 500mg/dose)</p> <p>If significant prior antibiotic exposure or urinary tract abnormalities:</p> <p>Cefdinir 14mg/kg/dose PO daily (max 600mg/day)</p>	<p>Beta lactam allergy:</p> <p>Trimethoprim-sulfamethoxazole (Bactrim/Septa) 4mg/kg/dose trimethoprim PO BID (max 160mg trimethoprim/dose)</p>	<p>For infants < 2 months, refer to UCSF Pediatric Antimicrobial Stewardship Program Empiric Therapy Guidelines (at idmp.ucsf.edu) for “Fever Without a Source – Young Infant” for initial therapy then narrow based on organism and susceptibilities</p> <p>Duration:</p> <p>UTI without fever: 7 days</p> <p>UTI with fever in younger child: 10 days</p>
Pyelonephritis, community-onset, inpatient therapy	<p>Inpatient:</p> <p>Ceftriaxone 50mg/kg/dose IV q24h (max 1g/dose)</p> <p>If candidate for PO therapy:</p> <p>Cefdinir 14mg/kg/dose PO daily (max 600mg/day)</p> <p>**Narrowing of therapy is recommended based on urine culture isolate susceptibilities.</p>	<p>Beta lactam allergy:</p> <p>Ciprofloxacin 15mg/kg/dose IV/PO BID (max 400mg/dose IV, 500mg/dose PO)</p> <p>**These guidelines are based on UCSF BCH-SF Empiric Therapy Guidelines. Other reasonable options for empiric therapy may be preferred based on facility-specific guidelines, formulary, or local ID or pharmacist consultation. The 2011 AAP UTI guidelines list Gentamicin 7.5mg/kg/day divided q8 hours as a reasonable option, but practitioners should be aware of the nephrotoxicity of this option and the need to check levels.</p>	<p>ID consult recommended for complicated infection or concurrent bacteremia</p> <p>Duration:</p> <p>Beta lactams: 10-14 days</p> <p>Ciprofloxacin: 7 days</p>

Source: Benioff Children’s Hospital – San Francisco Antimicrobial Stewardship Program: 2016 Empiric Antimicrobial Therapy Guidelines, at idmp.ucsf.edu

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