McLaren
CENTRAL MICHIGAN

URINARY TRACT INFECTION

SYMPTOMS:

- Pyelonephritis: vomiting, flank pain, intercostal tenderness, fever

- Treat empirically

- Uncomplicated cystitis: urgency, frequency, hesitancy, small voids, dysuria

- May wait for UA cultures before starting treatment

ANTIBIOTIC STEWARDSHIP: DESPITE BEING POSITIVE FOR BACTERIURIA, DO NOT TREAT FOR UTI IF THE PATIENT IS ASYMPTOMATIC

EMPIRIC TREATMENT

	First Line Antibiotics	Alternatives
Pyelonephritis, <12 years old	**Cephalexin 25 mg/kg/dose by mouth three times daily for 7 days (max 500mg/dose)**	**Cefdinir 14 mg/kg/dose by mouth daily for 7 days (max 600mg/dose)**
Pyelonephritis, >12 years old	**Cephalexin 500mg by mouth three times daily for 7 days**	**Cefdinir 600mg by mouth daily for 7 days**
Cystitis, <12 years old	**Cephalexin 25 mg/kg/dose by mouth three times daily for 7 days (max 500mg/dose)**	**Cefdinir 14 mg/kg/dose by mouth daily for 7 days (max 600mg/dose)**
Cystitis, > 12 years old	**Nitrofurantoin macrocrystal/ monohydrate 100mg by mouth twice daily for 3 days**	**Cephalexin 500mg by mouth three times daily for 5 days**

American Academy of Pediatrics. Urinary Tract Infection: Clinical Practice Guideline for the Diagnosis and Management of the Initial UTI in Febrile Infants and Children 2 to 24 Months. *PEDIATRICS*. 2011;128(3):595-610. doi:https://doi.org/10.1542/peds.2011-1330