



Screening Criteria: Pts. <b>Not</b> Toilet Trained	
<b>Female Risk Factors</b> <ul style="list-style-type: none"> <li>• Temp <math>\geq 39^{\circ}\text{C}</math></li> <li>• Fever <math>\geq 2</math> days</li> <li>• No alternative source</li> <li>• <math>\leq 12</math> months of age</li> </ul> <b>If 2 factors present:</b> <ul style="list-style-type: none"> <li>▸ Consider screening</li> </ul> <b>If 3 or more factors present</b> <ul style="list-style-type: none"> <li>▸ Recommend screening</li> </ul>	<b>Male Risk Factors</b> <ul style="list-style-type: none"> <li>• Temp <math>\geq 39^{\circ}\text{C}</math></li> <li>• Fever <math>\geq 2</math> days</li> <li>• No alternative source</li> <li>• <math>\leq 6</math> months of age</li> </ul> <b>If 1 factor present:</b> <ul style="list-style-type: none"> <li>▸ If uncircumcised, consider screening</li> </ul> <b>If 2 factors present:</b> <ul style="list-style-type: none"> <li>▸ If circumcised, consider screening</li> <li>▸ If uncircumcised, recommend screening</li> </ul> <b>If 3 or more factors present</b> <ul style="list-style-type: none"> <li>▸ If circumcised, recommend screening</li> </ul>

Screening Criteria: Pts <b>that are</b> fully Toilet Trained with <b>ANY</b> of the following:
<ul style="list-style-type: none"> <li>• Referable urinary tract symptoms                             <ul style="list-style-type: none"> <li>▪ Urinary frequency or urgency</li> <li>▪ Dysuria</li> <li>▪ Nausea/vomiting</li> <li>▪ Urinary incontinence</li> <li>▪ Abdominal/flank pain</li> <li>▪ Hematuria</li> </ul> </li> <li>• Fever <math>\geq 2</math> days without a source in pts with prior UTI history</li> <li>• Fever <math>\geq 5</math> days without a source</li> </ul>

Additional Recommendations for Adolescents
<ul style="list-style-type: none"> <li>• Collect 'dirty' urine (<b>not</b> a clean catch specimen) for Gonococcus (GC) / Chlamydia (Chl) screening                             <ul style="list-style-type: none"> <li>◦ If GC/Chl positive: Recommend Syphilis Screen</li> </ul> </li> <li>• HSV testing: Culture visible lesions, or cervical culture as indicated</li> <li>• Recommend HIV testing</li> <li>• For females: Consider pregnancy testing</li> </ul>

Suspected UTI or Pyelonephritis
<ul style="list-style-type: none"> <li>• Clinical signs and symptoms</li> </ul> <b>AND</b> <ul style="list-style-type: none"> <li>• Urinalysis positive for:                             <ul style="list-style-type: none"> <li>◦ WBC <math>\geq 5</math> per HPF, <b>OR</b></li> <li>◦ Positive leukocyte esterase, <b>OR</b></li> <li>◦ Positive nitrite (<a href="#">link to evidence</a>)</li> </ul> </li> </ul>

**Acronyms:**  
 Pyelo: Pyelonephritis  
 UA: Urinalysis  
 UTI: Urinary tract infection  
 w/u: Work up

[Antibiogram link](#)

[Renal Imaging for UTI/Pyelo Algorithm](#)



QR Code for mobile access

*This clinical pathway is meant as a guide for physicians and healthcare providers. It does not establish a standard of care, and is not a substitute for medical judgment which should be applied based upon the individual circumstances and clinical condition of the patient. Printing of Clinical Pathways is not recommended as these documents are updated regularly. Copyright © The Children's Mercy Hospital 2023. All rights reserved.*