

Urinary Tract Infection (UTI) – Case Investigation Worksheet and Table

For all positive urine cultures:

1. Record collection date of urine culture: ____/____/____ Continue to Question 2.
2. Does the urine culture have at least one organism with $\geq 10^5$ CFU/mL?
 - Yes. If selected, continue to Question 3.
 - No. If selected, the case definition is not met. **Do not report this episode.**
3. Does the urine culture have more than 2 species isolated from it?
 - Yes. If selected, the case definition is not met. **Do not report this episode.**
 - No. If selected, continue to Question 4.
4. Did the patient have at least one of the following signs or symptoms during the window period?
 - Yes. If selected, record the signs/symptoms on the case investigation table and continue to Question 5.
 - No. If selected, the case definition is not met. **Do not report this episode.**

UTI Signs & Symptoms
<ul style="list-style-type: none"> Fever ($>38^{\circ}\text{C}$) Suprapubic tenderness Urinary urgency Urinary frequency Dysuria

5. Determine the date of event (the date the first case definition criteria – urine culture collection or sign/symptom – occurred in the window period). Indicate on case investigation table and continue to Question 6.
6. Are ALL of the following inclusion criteria are true?
 - Yes. **This episode should be reported.** Start a UTI case report form for the patient. Continue to Question 7.
 - No. Inclusion criteria are not met. **Do not report this episode.**

Inclusion Criteria
<ul style="list-style-type: none"> The Date of Event does not occur during the Event Timeline of a previous UTI The Date of Event occurs >2 days after hospital admission (where Date of Hospital admission=Day 1) The Date of Event occurs >2 days after ICU admission (where Date of ICU admission=Day 1)

7. Perform follow up activities on all case report forms. Use the case investigation table to organize relevant data.
 - Report information on presence of urinary catheter in Section 2 – Invasive Devices
 - Report the first positive urine culture and all positive urine cultures that occur during the Event Timeframe in Section 4 – Organisms and Antibiotic Susceptibility
 - Event Timeframe = 14 days after date of event (where date of event = day 1)
 - At the end of the patient’s hospitalization, specify the patient’s outcome in Section 3.
8. Submit the case report form after all information is completed.

