



Catheter-Associated Urinary Tract Infection (CAUTI) Event

Definition: Urinary tract infections (UTI) are defined using symptomatic urinary tract infection (SUTI) criteria or Asymptomatic Bacteremic UTI (ABUTI) criteria. Report UTIs that are catheter-associated (patient had an indwelling urinary catheter at the time of or within 48 hours before onset of the event). See the ADPH CAUTI Reporting algorithm for criteria.

Settings: Surveillance will occur on General Medical wards, General Surgical wards, and General Medical /Surgical Wards where denominator data can be collected.

NOTE: It is not required to monitor for CAUTIs after the patient is discharged from the facility, however, if discovered, they should be reported to NHSN. No additional indwelling catheter days are reported.

Requirements: Surveillance for CAUTI is performed in the above inpatient location settings in the healthcare facility **each** month.

Considerations:

- Cultures of urinary catheter tips are not acceptable for diagnosis of UTI.
- Use appropriate technique for obtaining urine cultures; bag specimens not reliable for infants.
- Urine cultures should be processed ASAP.
- Numerator and denominator data for CAUTI should only be collected on the settings noted above.
- Fever is not diagnostic for UTI in the elderly (> 65 Y/O) and therefore fever in this age group does not disqualify from meeting the criteria for Asymptomatic Bacteremic Urinary Tracy Infection.

Other

Indwelling catheter: A drainage tube that is inserted into the urinary bladder through the urethra, is left in place, and is connected to a closed collection system.; Does not include straight in and out catheters.

Uropathogen microorganisms are: Gram-negative bacilli, Staphylococcus spp., yeasts, beta-hemolytic Streptococcus spp., Enterococcus spp., G. Vaginalis, Aerococcus urinae, and Corynebacterium (urease positive).

At _____ if a patient is noted to have a CAUTI within 48 hours of transfer to another location within the same facility, the CAUTI will be attributed to the transferring unit. If that setting is required to report CAUTIs, the data will be input into NHSN by_____.

At _____if a patient is noted to have a CAUTI within 48 hours of transfer from an external facility, the CAUTI will be attributed to the transferring location. The_____will be notified and will _____.

CAUTI EVENT: ADPH REPORTING ALGORITHM FOR PATIENT'S >1 y/o

1. Does the patient have an infection?

The patient has an **indwelling urinary catheter** in place at the time of specimen collection **or** had an **indwelling urinary catheter removed within 48 hours** prior to specimen collection;

And at least one of the following S/S: Fever (> 38 °C, 100.4 °F); suprapubic tenderness; costovertebral pain or tenderness frequency* dysuria* urgency*

*S/S may be seen if catheter removed

And the patient meets the criterion for:

Criteria 1a <input type="checkbox"/> A positive urine culture of $\geq 10^5$ CFU/ml with no more than 2 species of microorganism ; OR
Criteria 2a <input type="checkbox"/> A positive urinalysis with a positive dipstick for leukocyte esterase and/or nitrite or pyuria (urine with >10 wbc/mm ³ or > 3 WBC/high power field of unspun urine) or microorganisms seen on Gram stain of unspun urine AND <input type="checkbox"/> a positive urine culture of $\geq 10^3$ and $\geq 10^5$ CFU/ml with no more than 2 species of microorganism OR
Asymptomatic Bacteremic Urinary Tract Infection (ABUTI) Criterion > 1y/o <input type="checkbox"/> No S/S of infection as listed above; AND <input type="checkbox"/> a positive urine culture of $\geq 10^5$ CFU/ml with no more than 2 species of uropathogen microorganisms ; AND <input type="checkbox"/> a positive blood culture with at least 1 matching uropathogen microorganism to the urine culture

If the criterion for 1a, 2a, or ABUTI as described above is met , **proceed** to step 2

If not, **STOP**; the patient does not meet criteria for CAUTI > 1y/o reporting

2a. Where was the patient located on the date the first clinical evidence appeared or the date the specimen used to meet the UTI criteria was collected, whichever came first? _____
2b. Is this location different from the client's present location? if yes , proceed to 2c. if no , skip to 2e
2c. Was the patient transferred to the present location in the same facility within 48 hours with the Indwelling catheter or after the indwelling catheter was removed? if yes , the CAUTI is attributed to the transferring unit proceed to 2e if no , proceed to 2d
2d. Was the patient transferred with the Indwelling cath or after an Indwelling cath was removed to the present location from an external facility within 48 hours ? if yes , the transferring hospital should report the CAUTI; if a healthcare facility in AL the transferring facility should proceed to 3e
2e. Is the location noted in items 2a, 2c or 2d, a *general medical /surgical wards? If yes, this data is required for CAUTI reporting by ADPH * see definitions for locations that must report CAUTI

CAUTI EVENT: ADPH REPORTING ALGORITHM FOR PATIENT'S <1 y/o

1. Does the INFANT have an infection?

The patient has an **indwelling urinary catheter** in place at the time of specimen collection **or** had an **indwelling urinary catheter removed within 48 hours** prior to specimen collection;

And at least one of the following S/S: Fever (> 38 °C, 100.4 °F); Hypothermia (< 36 ° C, 96.8° F), Apnea, Bradycardia , Dysuria, Lethargy, vomiting

And the patient meets the criterion for:

Criteria 3 <input type="checkbox"/> A positive urine culture of $\geq 10^5$ CFU/ml with no more than 2 species of microorganism ; OR
Criteria 4 <input type="checkbox"/> A positive urinalysis with a positive dipstick for leukocyte esterase and/or nitrite or pyuria (urine with >10 wbc/mm ³ or > 3 WBC/high power field of unspun urine) or microorganisms seen on Gram stain of unspun urine AND <input type="checkbox"/> a positive urine culture of $\geq 10^3$ and $\geq 10^5$ CFU/ml with no more than 2 species of microorganism OR
ABUTI Criterion $\leq 1y/o$ <input type="checkbox"/> No S/S of infection as listed above; AND <input type="checkbox"/> a positive urine culture of $\geq 10^5$ CFU/ml with no more than 2 species of uropathogen microorganisms ; AND <input type="checkbox"/> a positive blood culture with at least 1 matching uropathogen microorganism to the urine culture

If the criterion for 1a, 2a, or ABUTI as described above is met , **proceed** to step 2

If not, **STOP**; the patient does not meet criteria for CAUTI > 1y/o reporting

2a. Where was the patient located on the date the first clinical evidence appeared or the date the specimen used to meet the UTI criteria was collected, whichever came first? _____
2b. Is this location different from the client's present location? if yes , proceed to 2c. if no , skip to 2e
2c. Was the patient transferred to the present location in the same facility within 48 hours with the Indwelling catheter or after the indwelling catheter was removed? if yes , the CAUTI is attributed to the transferring unit proceed to 2e if no , proceed to 2d
2d. Was the patient transferred with the Indwelling cath or after an Indwelling cath was removed to the present location from an external facility within 48 hours ? if yes , the transferring hospital should report the CAUTI; if a healthcare facility in AL the transferring facility should proceed to 3e
2e. Is the location noted in items 2a, 2c or 2d, a *general medical /surgical wards? If yes, this data is required for CAUTI reporting by ADPH * see definitions for locations that must report CAUTI