

APIC Surveillance SIG Surveillance Questions September 2020

Utilizing the NHSN definitions in the following two scenarios determine: The Infection Window Period, Date of Event, Repeat Infection Timeframe, Secondary BSI Attribution Period, and what type of HAI criteria are met.

Scenario #1

<u>Date</u>	<u>Clinical Observation</u>
1/12	48-year-old male came to ED; Foley Catheter inserted
1/13	Patient admitted to Med/Surg; Temp 100.5°F
1/14	Temp 100.7°F
1/15	Urine culture <i>Staphylococcus epidermidis</i> 50-100,000 CFU/ml
1/16	Temp 100.1°F
1/17	Temp 100.6°F
1/18	Foley Catheter removed; Temp 100.4°F
1/19	Temp 100.9°F
1/20	Temp 100.2°F
1/21	Urine culture <i>Staphylococcus epidermidis</i> >100,000 CFU/ml
1/22	Temp 99.9°F

Does the patient have a Catheter-Associated Urinary Tract Infection (CAUTI)? Yes/No

What National Healthcare Safety Network (NHSN) criteria is met (example LCBI 3, SIP b, IAB 3b)?

What is the Infection Window Period (IWP)?

What is the Date of Event (DOE)?

What is the Repeat Infection Timeframe (RIT)?

What would be the Secondary BSI Attribution Period (SBAP) for this scenario?

Scenario #2

<u>Date</u>	<u>Clinical Observation</u>
1/15	54-year-old female admitted to intensive care unit (ICU)
1/16	Central line inserted
1/17	Patient has a new onset of cough
1/18	Chest x-ray: consolidation; WBC 450 cells/mm ³
1/19	Chest x-ray: consolidation; Temp 100.5°F
1/20	Bronchoalveolar lavage (BAL) culture <i>Enterococcus faecalis</i> ; WBC 498 cells/mm ³
1/21	Blood culture <i>Enterococcus faecalis</i> ; patient has crackles/rales

Does the patient have a Central Line-Associated Bloodstream Infection (CLABSI)? Yes/No

What National Healthcare Safety Network (NHSN) criteria is met (example SUTI 1b, SIP b, IAB 3b)?

What is the Infection Window Period (IWP)?

What is the Date of Event (DOE)?

What is the Repeat Infection Timeframe (RIT)?

What would be the Secondary BSI Attribution Period (SBAP) for this scenario?

- Infection Window Period (IWP) (first positive diagnostic test, 3 days before and 3 days after)
- Date of Event (DOE) (date the first element occurs for the first time within the infection window period)
- Repeat Infection Timeframe (RIT) (14-day timeframe where date of event = day 1)
- Secondary BSI Attribution Period (SBAP) (IWP + RIT)
- Worksheet Generator: <https://nhsn.cdc.gov/nhsntraining/calculator/workgen.html>