

APIC Surveillance SIG Surveillance Answers July 2021

In the following scenarios, use the Infection Window Period (IWP), Date of Event (DOE), Repeat Infection Timeframe (RIT), and Secondary BSI Attribution Period (SBAP) to determine what type of HAI criteria are met.

Scenario #1

- 6/14 56-year-old male admitted to Medical Floor A
- 6/17 Foley Inserted.
- 6/22 Patient went to OR and transferred to Surgical Floor B
- 6/23 Urine culture >100,000 CFU Enterococcus faecalis
- 6/23 Temp 102.7
- 6/27 Foley removed

Does the patient have a CAUTI? **Yes**

What NHSN criteria is met (example LCBI 3, SIP b, IAB 3b)? **SUTI 1a**

IWP? **6/20-6/26**

DOE? **6/23**

RIT? **6/23-7/6**

Secondary BSI Attribution Period? **6/20-7/6**

If the patient has a CAUTI, which location would the event be attributed to? Medical Floor A see transfer rule pg 2-9 – 2-10

Admit date: 6/14/2021

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)	Secondary BSI Attribution Period (*)
7. - 6/20/2021		<input type="checkbox"/>	-		
8. - 6/21/2021		<input type="checkbox"/>	-		
9. - 6/22/2021		<input type="checkbox"/>	-		
10. - 6/23/2021	✓	Urine cx >100K CFU E. faecalisTemp 102.7 ✓	- HAI		
11. - 6/24/2021		<input type="checkbox"/>	-		
12. - 6/25/2021		<input type="checkbox"/>	-		
13. - 6/26/2021		<input type="checkbox"/>	-		
14. - 6/27/2021			-		
15. - 6/28/2021			-		
16. - 6/29/2021			-		
17. - 6/30/2021			-		
18. - 7/1/2021			-		
19. - 7/2/2021			-		
20. - 7/3/2021			-		
21. - 7/4/2021			-		
22. - 7/5/2021			-		
23. - 7/6/2021			-		

- 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>

Scenario #2

6/21/21 69-year-old Female transferred from outside facility to ICU with Right Internal Jugular Central Venous Catheter (RIJ CVC) -receiving fluids from CVC

6/21 H&P patient with a history of allogeneic hematopoietic stem cell transplant October 2020. Pt admitted to ICU for monitoring. Symptoms: Nausea, vomiting, diarrhea.

6/22 MD progress note- copious amounts of diarrhea. Per I&O >1000ml loose watery stool output

6/23 MD progress note- Pt continues with diarrhea. Plan: NPO status and initiate TPN

6/25 BC Escherichia coli

6/26 MD progress note- antibiotics started for bacteremia. No other signs of infection. Diarrhea lessened with NPO status and TPN.

Does the patient have a CLABSI? **Yes**

What NHSN criteria is met (example LCBI 3, SIP b, IAB 3b)? **MBI-LCBI 1**

IWP? **6/22-6/28**

DOE? **6/25**

RIT? **6/25-7/8**

Secondary BSI Attribution Period? **No SBAP**

Admit date: 6/21/2021

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)
2. - 6/22/2021		<input type="checkbox"/> >1L diarrhea (not a symptom for use with DOE)	-	
3. - 6/23/2021		<input type="checkbox"/>	-	
4. - 6/24/2021		<input type="checkbox"/>	-	
5. - 6/25/2021	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> BC Escherichia coli	- HAI	
6. - 6/26/2021		<input type="checkbox"/>	-	
7. - 6/27/2021		<input type="checkbox"/>	-	
8. - 6/28/2021		<input type="checkbox"/>	-	
9. - 6/29/2021			-	
10. - 6/30/2021			-	
11. - 7/1/2021			-	
12. - 7/2/2021			-	
13. - 7/3/2021			-	
14. - 7/4/2021			-	
15. - 7/5/2021			-	
16. - 7/6/2021			-	
17. - 7/7/2021			-	
18. - 7/8/2021			-	

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