

APIC Surveillance SIG Surveillance Answers March 2019

In the following scenarios, use the Infection Window Period, Date of Event, and BSI Secondary Attribution Period to determine what type of HAI criteria are met.

Scenario #1

5/8 73 year old female admitted to med/surg; Urine culture VRE >100,000

5/9 Temp 101

5/10 Foley inserted

5/11 Temp 100.4

5/12 Foley removed 08:00; Temp 99; Patient complains of frequent urination 10:00

5/13 Temp 100.3; Urine culture MRSA >100,000

5/14 Temp 100.6; Foley reinserted

Does the patient have a CAUTI? Yes

What would be reported to NHSN? 5/12 CAUTI with MRSA (SUTI 1a)

IWP? 5/10-5/16

DOE? 5/12

RIT? 5/12-5/25

SBAP? 5/10-5/25

Admit date: 5/8/2018

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)	Secondary BSI Attribution Period (*)
3. - 5/10/2018		<input type="checkbox"/>	-		
4. - 5/11/2018		<input type="checkbox"/>	-		
5. - 5/12/2018		<input checked="" type="checkbox"/> urinary frequency	- HAI		
6. - 5/13/2018	✓	<input checked="" type="checkbox"/> urine culture: MRSA >100k	-		
7. - 5/14/2018		<input checked="" type="checkbox"/> temp 100.6	-		
8. - 5/15/2018		<input type="checkbox"/>	-		
9. - 5/16/2018		<input type="checkbox"/>	-		
10. - 5/17/2018			-		
11. - 5/18/2018			-		
12. - 5/19/2018			-		
13. - 5/20/2018			-		
14. - 5/21/2018			-		
15. - 5/22/2018			-		
16. - 5/23/2018			-		
17. - 5/24/2018			-		
18. - 5/25/2018			-		

Scenario #2

4/1 45 year old male admitted to 4J ICU; Chest x-ray bilateral pulmonary opacities; PICC inserted; Temp 100.9; WBC 19.3 K/uL; Blood culture E.coli

4/2 Chest x-ray increasing alveolar opacity; Respiratory assessment: Coughing up thick, white sputum; crackles/rales; Transferred to 4K ICU and placed on a vent

4/3 Blood culture Candida glabrata; Chest x-ray diffuse interstitial and airspace opacities; Patient expires

Does the patient have a CLABSI? Yes

What location would this be attributed to? 4J ICU

What would be reported to NHSN? 4/3 CLABSI with C.glabrata (LCBI 1); 4/1 POA PNU2 with secondary BSI with E.coli

IWP? CLABSI 3/31-4/4; PNU 3/30-4/4

DOE? CLABSI 4/3; PNU 4/1

RIT? CLABSI 4/3-4/4; PNU 4/1-4/4

SBAP? CLABSI N/A; PNU 3/30-4/4

Candida is not a PNA organism unless the patient is immunocompromised and there is a matching respiratory culture.

Admit date: 4/1/2018

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)	Secondary BSI Attribution Period (*)
3/30/2018		<input type="checkbox"/>			
3/31/2018		<input type="checkbox"/>			
1. - 4/1/2018 - Admit Date	✓	<input checked="" type="checkbox"/> cxr opacities; temp 100.9; WBC 19.3; blood culture: E.coli	- POA		
2. - 4/2/2018		<input checked="" type="checkbox"/> cxr increasing opacity; new cough; change in character of sputum; crackles/rales; placed on vent			
3. - 4/3/2018		<input checked="" type="checkbox"/> cxr opacities			
4. - 4/4/2018		<input type="checkbox"/>			
5. - 4/5/2018					
6. - 4/6/2018					
7. - 4/7/2018					
8. - 4/8/2018					
9. - 4/9/2018					
10. - 4/10/2018					
11. - 4/11/2018					
12. - 4/12/2018					
13. - 4/13/2018					
14. - 4/14/2018					

Admit date: 4/1/2018

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)
3/31/2018		<input type="checkbox"/>	-	
1. - 4/1/2018 - Admit Date		<input type="checkbox"/>	-	
2. - 4/2/2018		<input type="checkbox"/>	-	
3. - 4/3/2018	✓	<input checked="" type="checkbox"/> blood culture: C.glabrata	- HAI	
4. - 4/4/2018		<input type="checkbox"/>	-	
5. - 4/5/2018		<input type="checkbox"/>	-	
6. - 4/6/2018		<input type="checkbox"/>	-	
7. - 4/7/2018			-	
8. - 4/8/2018			-	
9. - 4/9/2018			-	
10. - 4/10/2018			-	
11. - 4/11/2018			-	
12. - 4/12/2018			-	
13. - 4/13/2018			-	
14. - 4/14/2018			-	
15. - 4/15/2018			-	
16. - 4/16/2018			-	