

APIC Surveillance SIG Surveillance Answers July 2022

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

- 6/2 Admit to ICU; urine culture Escherichia coli 50,000-100,000 CFU/ml
- 6/5 Foley inserted
- 6/6 Temp 100.6°F
- 6/7 Temp 100.8°F
- 6/8 Temp 100.4°F
- 6/9 Temp 100.7°F
- 6/10 Temp 100.4°F
- 6/11 Temp 100.5°F; urine culture Escherichia coli >100,000 CFU/ml
- 6/12 Temp 100.1°F

Does the patient have a CAUTI? Yes

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

IWP? 6/8-6/14

DOE? 6/9

RIT? 6/9-6/22

Secondary BSI Attribution Period? 6/8-6/22

Admit date: 6/2/2022

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)	Secondary BSI Attribution Period (*)
7. - 6/8/2022		<input type="checkbox"/>	-		
8. - 6/9/2022		<input checked="" type="checkbox"/> temp 100.7	- HAI		
9. - 6/10/2022		<input type="checkbox"/>	-		
10. - 6/11/2022	✓	<input checked="" type="checkbox"/> ucx: E.coli >100k; temp 100.5	-		
11. - 6/12/2022		<input type="checkbox"/>	-		
12. - 6/13/2022		<input type="checkbox"/>	-		
13. - 6/14/2022		<input type="checkbox"/>	-		
14. - 6/15/2022			-		
15. - 6/16/2022			-		
16. - 6/17/2022			-		
17. - 6/18/2022			-		
18. - 6/19/2022			-		
19. - 6/20/2022			-		
20. - 6/21/2022			-		
21. - 6/22/2022			-		

Scenario #2

6/3 54 year old male admitted to ICU; temp 100.9; foley and central line placed
 6/4 urine culture: Pseudomonas aeruginosa >100,000 CFU/ml and Candida albicans >100,000 CFU/ml
 6/11 blood culture: Pseudomonas aeruginosa and Candida albicans

Does the patient have a CAUTI? No

Does the patient have a CLABSI? Yes

What NHSN criteria is met (example LCBI 3, SIP b, IAB 3b)? (6/3 SUTI 1b with P.aeruginosa and a secondary BSI – POA); 6/11 CLABSI with C.albicans (LCBI 1)

IWP? UTI 6/1-6/7; BSI 6/8-6/14

DOE? UTI 6/3; BSI 6/11

RIT? UTI 6/3-6/16; BSI 6/11-6/24

Secondary BSI Attribution Period? UTI 6/1-6/16; BSI n/a

Admit date: 6/3/2022

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)	Secondary BSI Attribution Period (*)
6/1/2022		<input type="checkbox"/>	-		
6/2/2022		<input type="checkbox"/>	-		
1. - 6/3/2022 - Admit Date		<input checked="" type="checkbox"/> temp 100.9	- POA		
2. - 6/4/2022	✓	<input checked="" type="checkbox"/> 6/4 ucx: P.aeruginosa >100k	-		
3. - 6/5/2022		<input type="checkbox"/>	-		
4. - 6/6/2022		<input type="checkbox"/>	-		
5. - 6/7/2022		<input type="checkbox"/>	-		
6. - 6/8/2022			-		
7. - 6/9/2022			-		
8. - 6/10/2022			-		
9. - 6/11/2022			-		bcx: P.aeruginosa
10. - 6/12/2022			-		
11. - 6/13/2022			-		
12. - 6/14/2022			-		
13. - 6/15/2022			-		
14. - 6/16/2022			-		

Admit date: 6/3/2022

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)
6. - 6/8/2022		<input type="checkbox"/>	-	
7. - 6/9/2022		<input type="checkbox"/>	-	
8. - 6/10/2022		<input type="checkbox"/>	-	
9. - 6/11/2022	✓	<input checked="" type="checkbox"/> 6/11 bcx: C.albicans	- HAI	
10. - 6/12/2022		<input type="checkbox"/>	-	
11. - 6/13/2022		<input type="checkbox"/>	-	
12. - 6/14/2022		<input type="checkbox"/>	-	
13. - 6/15/2022			-	
14. - 6/16/2022			-	
15. - 6/17/2022			-	
16. - 6/18/2022			-	
17. - 6/19/2022			-	
18. - 6/20/2022			-	
19. - 6/21/2022			-	
20. - 6/22/2022			-	
21. - 6/23/2022			-	
22. - 6/24/2022			-	