

APIC Surveillance SIG Surveillance Answers September 2019

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

- 2/4 76 year old male admitted to med/surg with a nephrostomy tube
- 2/5 foley inserted
- 2/6 temp 100.4
- 2/7 patient complains of pelvic discomfort
- 2/8 urine is collected from the nephrostomy tube and the urine culture grows E.coli >100,000 and Candida albicans >100,000
- 2/9 foley removed
- 2/10 temp 100.5
- 2/11 temp 101.1
- 2/12 clean catch urine sample is collected, and the urine culture grows Pseudomonas aeruginosa >100,000 and E.faecalis >100,000

Does the patient have a CAUTI? Yes

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

What organisms would be reported? E.coli, P.aeruginosa, E.faecalis

IWP? 2/5-2/11

DOE? 2/7

RIT? 2/7-2/20

SBAP? 2/5-2/20

Admit date: 2/4/2019

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)	Secondary BSI Attribution Period (*)
2. - 2/5/2019		<input type="checkbox"/>	-		
3. - 2/6/2019		<input type="checkbox"/>	-		
4. - 2/7/2019		<input checked="" type="checkbox"/> suprapubic tenderness	- HAI		
5. - 2/8/2019	✓	<input checked="" type="checkbox"/> urine culture: E.coli >100k	-		
6. - 2/9/2019		<input type="checkbox"/>	-		
7. - 2/10/2019		<input checked="" type="checkbox"/> temp 100.5	-		
8. - 2/11/2019		<input checked="" type="checkbox"/> temp 101.1	-		
9. - 2/12/2019			-	urine culture: P.aeruginosa >100k, E.faecalis >100k	
10. - 2/13/2019			-		
11. - 2/14/2019			-		
12. - 2/15/2019			-		
13. - 2/16/2019			-		
14. - 2/17/2019			-		
15. - 2/18/2019			-		
16. - 2/19/2019			-		
17. - 2/20/2019			-		

Scenario #2

2/27 54 year old female admitted to ICU

2/28 COLO procedure

3/10 CT: There is a fluid-filled collection within the left upper quadrant compatible with abscess.

3/11 IR abscess drain placement left upper abdomen: purulent fluid removed

3/11 abdominal fluid culture: VRE, E.coli

3/11 central line inserted

3/12 elevated transaminase level and jaundice

3/13 progress note: Concern for ongoing abd infection. Currently on Daptomycin and Meropenem.

3/13 CT: There is a drain terminating in the left lateral retroperitoneal space, where a moderate volume of complex free fluid and free air remains present. The volume is unchanged; sterility indeterminate.

3/13 blood culture: Acinetobacter baumannii

Does the patient have a CLABSI? Yes

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

BSI IWP? 3/10-3/16

BSI DOE? 3/13

BSI RIT? 3/13-3/26

Does the patient have an SSI? Yes

If this is an SSI, what is the deepest criteria met (superficial, deep, organ/space): organ/space

List all NHSN criteria met at this deepest level (example SUTI 1b, SIP b, BONE 3a): organ/space a, b, c and IAB 1, 2a, 3a

SSI DOE? 3/10

SSI SBAP? 3/7-3/23

Admit date: 2/27/2019

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)
12. - 3/10/2019		<input type="checkbox"/>	-	
13. - 3/11/2019		<input type="checkbox"/>	-	
14. - 3/12/2019		<input type="checkbox"/>	-	
15. - 3/13/2019	✓	<input checked="" type="checkbox"/> blood culture: A.baumannii	- HAI	
16. - 3/14/2019		<input type="checkbox"/>	-	
17. - 3/15/2019		<input type="checkbox"/>	-	
18. - 3/16/2019		<input type="checkbox"/>	-	
19. - 3/17/2019			-	
20. - 3/18/2019			-	
21. - 3/19/2019			-	
22. - 3/20/2019			-	
23. - 3/21/2019			-	
24. - 3/22/2019			-	
25. - 3/23/2019			-	
26. - 3/24/2019			-	
27. - 3/25/2019			-	
28. - 3/26/2019			-	