

APIC Surveillance SIG Surveillance Answers February 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

- 7/31 53 year old male admitted to med/surg and central line placed
- 8/2 foley inserted
- 8/3 temp 100.7
- 8/4 urine culture S.epidermidis >100,000
- 8/5 blood culture S.epidermidis
- 8/6 blood culture S.epidermidis

Does the patient have a CAUTI? No

Does the patient have a CLABSI? No

What NHSN criteria is met (example LCBI 3, SIP b, IAB 3b)? SUTI 1b (non-catheter associated UTI) with secondary BSI

IWP? 8/1-8/7

DOE? 8/3

RIT? 8/3-8/16

Secondary BSI Attribution Period? 8/1-8/16

Admit date: 7/31/2020

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)	Secondary BSI Attribution Period (*)
2. - 8/1/2020		<input type="checkbox"/>			
3. - 8/2/2020		<input type="checkbox"/>			
4. - 8/3/2020		<input checked="" type="checkbox"/> temp 100.7	- HAI		
5. - 8/4/2020	✓	<input checked="" type="checkbox"/> urine culture: S.epi >100k			
6. - 8/5/2020		<input type="checkbox"/>			blood culture: S.epi
7. - 8/6/2020		<input type="checkbox"/>			blood culture: S.epi
8. - 8/7/2020		<input type="checkbox"/>			
9. - 8/8/2020					
10. - 8/9/2020					
11. - 8/10/2020					
12. - 8/11/2020					
13. - 8/12/2020					
14. - 8/13/2020					
15. - 8/14/2020					
16. - 8/15/2020					
17. - 8/16/2020					

Scenario #2

- 7/13 admit to med/surg and PICC placed
- 7/17 cxr: Marked worsening in edema and development of pleural effusions
WBC 22.7
- 7/18 cxr: Diffuse interstitial and alveolar opacities in the lungs appear similar to prior
Progress note: ?aspiration versus pulm edema on CXR
WBC 20
- 7/19 WBC 23.8
- 7/20 cxr: Perihilar interstitial and alveolar changes appear very similar to the study of 7/18. This is consistent with pneumonia or ARDS
Progress note: Crackles
Progress note: worsening pulmonary edema
Progress note: Cxr consistent with pneumonia with probable bacteremia also. Empiric antibiotics Vancomycin and Zosyn and antifungal, Micafungin, have been started.
Blood culture: MRSA

Does the patient have a CLABSI? No

What NHSN criteria is met (example SUTI 1b, SIP b, IAB 3b)? PNU2 with secondary BSI

IWP? 7/15-7/21

DOE? 7/17

RIT? 7/17-7/30

Secondary BSI Attribution Period? 7/15-7/30

Admit date: 7/13/2020

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)	Secondary BSI Attribution Period (*)
3. - 7/15/2020		<input type="checkbox"/>			
4. - 7/16/2020		<input type="checkbox"/>			
5. - 7/17/2020		<input checked="" type="checkbox"/> WBC 22.7	HAI		
6. - 7/18/2020	✓	<input checked="" type="checkbox"/> cxr: interstitial and alveolar opacities; WBC 20			
7. - 7/19/2020		<input checked="" type="checkbox"/> WBC 23.8			
8. - 7/20/2020		<input checked="" type="checkbox"/> cxr: interstitial and alveolar changes. pneumonia or ARDS; crackles; Prog note: pneumonia, antibiotics started; blood culture MRSA			
9. - 7/21/2020		<input type="checkbox"/>			
10. - 7/22/2020					
11. - 7/23/2020					
12. - 7/24/2020					
13. - 7/25/2020					
14. - 7/26/2020					
15. - 7/27/2020					
16. - 7/28/2020					
17. - 7/29/2020					
18. - 7/30/2020					