

APIC Surveillance SIG Surveillance Answers May 2022

In the following scenario, what type of HAI criteria are met?

Scenario 1

4/10 55-year-old female patient with a history of chemotherapy treatment for Acute Lymphocytic Leukemia (ALL) is admitted to the Medical/Oncology ward with a right chest Mediport which was accessed upon admission to the floor for IV fluids. According to the History and Physical -She is complaining of a severe sore throat and mouth pain. There are white patches and plaque along her tongue and soft palate.

4/12 Physician Progress Note- Pt with continued oral pain. Severe ulcerations and white patches along tongue and soft palate. Scrapings sent for culture and pathology.

4/12 Oral scrapings pathology report: KOH: Yeast present

4/13 Physician Progress Note- Pt febrile to 103 overnight. Pan-cultured.

4/13 Blood culture: Candida species

Does the patient have a CLABSI? **No**

What NHSN criteria is met (example LCBI 3, SIP b, IAB 3b)? **ORAL 3d w/secondary BSI**

What organism(s) would be reported to NHSN? **Candida species**

Please complete the following for each definition that was met:

What is the Infection Window Period (IWP)? **4/9-4/15**

What is the Date of Event (DOE)? **4/10 (POA)**

What is the Repeat Infection Timeframe (RIT)? **4/10-4/23**

What is the Secondary BSI Attribution Period? **4/9-4/23**

Hospital Day/Date	First Diagnostic Test	Infection Window Period (*)	Date of Event	Repeat Infection Timeframe (*)	Secondary BSI Attribution Period (*)
4/9/2022		<input type="checkbox"/>	-		
1. - 4/10/2022 - Admit Date		<input checked="" type="checkbox"/> white patches and plaque	POA		
2. - 4/11/2022		<input type="checkbox"/>	-		
3. - 4/12/2022	✓	<input checked="" type="checkbox"/> ulcerations; white patches; oral scrapings: KOH: yeast	-		
4. - 4/13/2022		<input type="checkbox"/>	-		bcx: Candida
5. - 4/14/2022		<input type="checkbox"/>	-		
6. - 4/15/2022		<input type="checkbox"/>	-		
7. - 4/16/2022			-		
8. - 4/17/2022			-		
9. - 4/18/2022			-		
10. - 4/19/2022			-		
11. - 4/20/2022			-		
12. - 4/21/2022			-		
13. - 4/22/2022			-		
14. - 4/23/2022			-		

- 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

4/13 70-year-old patient is admitted to the Cardiac ICU with a history of Chronic Obstructive Pulmonary Disorder (COPD) and Renal Failure with history of hemodialysis, admitted with weakness and feeling unwell. Patient has an arteriovenous (AV) fistula to left arm.

4/13 Blood cultures on admission- No growth

4/21 ICU Progress Note: Worsening renal function. AV graft infiltration. Left Subclavian Quinton Cath placed, and dialysis performed through catheter.

4/23 ICU Progress note: White Blood Cell count continues to increase: Blood & Urine cultures obtained

4/23 BC Enterococcus faecalis

4/24 BC Enterococcus faecalis

4/26 BC Enterococcus faecalis

4/27 BC Enterococcus faecalis

4/28 Physician Progress Note: Infectious Disease (ID) consult for continued positive blood cultures

4/28 ID Progress note: Concern for endocarditis. Transthoracic Echocardiogram (TTE) ordered. Antibiotics initiated.

4/28 Transthoracic Echocardiogram (TTE) Report: Echogenic and fixed mitral valve mass present on the posterior leaflet. Cannot exclude vegetation

5/10 Pt discharged to Rehab Facility

Does the patient have a CLABSI? **No**

What NHSN criteria is met (example LCBI 3, SIP b, IAB 3b)? **ENDO 4 ia w/secondary BSI**

What organism(s) would be reported to NHSN? **Enterococcus faecalis**

Please complete the following for each definition that was met:

What is the Infection Window Period (IWP)? **4/13-5/3**

What is the Date of Event (DOE)? **4/23**

What is the Repeat Infection Timeframe (RIT)? **4/23- discharge (5/10)**

What is the Secondary BSI Attribution Period? **4/13- discharge (5/10)**

- 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>