

Bloodstream Infection (BSI) – Case Investigation Worksheet and Table

For all positive blood cultures:

1. Record collection date of blood culture: ____/____/____. Continue to Question 2.
2. Select type of organism in positive blood culture:
 - Recognized Pathogen. If selected, then date of event = collection date of positive culture. Skip to Question 4.
 - Common Commensal. If selected, continue to Question 3.
3. For common commensals only,
 - 3a. Did the common commensal have a matching blood culture collected on the same or consecutive day?
 - Yes. If selected, record the result on the case investigation table and continue to Question 3b.
 - No. If selected, the case definition is not met. **Do not report this episode.**
 - 3b. Did the patient have at least one of the following signs or symptoms during the window period?
 - Yes. If selected, record the signs/symptoms on the case investigation table and continue to Question 3c.
 - No. If selected, the case definition is not met. **Do not report this episode.**

Patients > 12 months	Patients ≤ 12 months
<ul style="list-style-type: none"> ▪ Fever (>38°C) ▪ Hypotension 	<ul style="list-style-type: none"> ▪ Fever (>38°C) ▪ Hypotension ▪ Hypothermia (<36°C) ▪ Apnea ▪ Bradycardia

- 3c. Determine the date of event (the date the first case definition criteria – blood culture collection or sign/symptom – occurred in the window period). Indicate on case investigation table and continue to Question 4.
4. Are all of the following inclusion criteria true?
 - Yes. **This episode should be reported.** Start a BSI case report form for the patient. Continue to Question 5.
 - No. Inclusion criteria are not met. **Do not report this episode.**

Inclusion Criteria
<ul style="list-style-type: none"> ▪ The Date of Event does not occur during the Event Timeframe of a previous primary BSI ▪ The Date of Event occurs >2 days after hospital admission (where Date of Hospital admission=Day 1) ▪ The Date of Event occurs >2 days after ICU admission (where Date of ICU admission=Day 1)

5. Perform follow up activities on all case report forms. Use the case investigation table to organize relevant data.
 - Report information on presence of central line(s) in Section 2 – Invasive Devices
 - Report all matching positive cultures that occur during the Secondary BSI Attribution Period in Section 3 – Infections at Other Body Sites
 - Secondary BSI Attribution Period = 14 days before date of event to 7 days after date of event (where date of event = day 1) – section 3
 - Report the first positive blood culture and all positive blood cultures that occur during the Event Timeframe for primary BSIs in Section 5 – Organisms and Antibiotic Susceptibility
 - Event Timeframe = 14 days after date of event (where date of event = day 1)
 - For secondary BSIs, no Event Timeframe is created
 - At the end of the patient’s hospitalization, specify the patient’s outcome in Section 4.
6. Submit the case report form after all information is completed.

