

Condensed Algorithm for Identifying Central Line Associated Bloodstream Infection
Using NHSN Criteria, January 2022 Revision – Complete Criteria [Here](#)

1. Blood culture not collected within 2 days of admission to an inpatient nursing unit (this excludes a stay in the ED)
2. Positive Blood Culture(s) with central venous catheter that had had been in place >2 calendar days, AND was either:
 - Still present on date of event, OR
 - Removed day before date of event
3. Organism is not excluded from surveillance: *Campylobacter*, *Salmonella*, *Shigella*, *Listeria*, *Vibrio*, *Yersinia*, *C. difficile*, Enterohemorrhagic *E. coli*, Enteropathogenic *E. coli*, *Blastomyces*, *Histoplasma*, *Coccidioides*, *Paracoccidioides*, *Cryptococcus*, and *Pneumocystis*.

Is an NHSN site-specific definition met (chapter 17, UTI, PNEU or SSI)? This requires:

1. Blood contains at **least 1** matching organism to site **AND** blood culture collected between (matching culture date – 3) and (matching culture date + 13) **OR**
2. An organism identified in the blood specimen is an element that is used to meet the NHSN site-specific infection criterion, and therefore is collected during the site-specific infection window period (7 days- see chapter 2)

**2° BSI.
Not a
CLABSI**

ECMO or VAD use ≥ 2 days including blood cx collection date (page 4-12)?

Patient injection, Epidermolysis bullosa (EB), Munchausen Syndrome by Proxy (MSBP) criteria met (page 4-12)?

Report a CLABSI event, but mark the corresponding field "Yes"

YES

NO

[Common skin commensal](#)

[Recognized Pathogen](#)

x 1 culture?

YES

NO

≥ 2 cx w/ same species, collected on same or consecutive days **AND** Fever >38°, chills or hypotension, hypothermia <36°#, apnea#, or bradycardia#

YES

NO

**CLABSI
LCBI 2,3**

**Not a
CLABSI**

[MBI Organism](#) x 1 or viridans streptococcus x 2 AND meets LCBI 2 or 3?

YES

NO

**CLABSI
LCBI 1**

➤ Allogeneic hematopoietic stem cell transplant ≤ 1 year previous **AND**

- Grade III or IV GI GVHD **OR**
- ≥ 1 liter (or ≥ 20 mL/kg pts < 18yo) diarrhea in ≤ 24 hrs w/ onset ≤ 7 days prior to blood cx collection date

OR

➤ WBC or ANC < 500 cells/mm³ (0.5 at UCSF) on 2 separate days from blood collect date +/- 3 days.

**MBI- LCBI
1, 2, 3**

Patients ≤ 1 year of age