

# REFERENCE ACKNOWLEDGMENT 2024 NHSN ANNUAL TRAINING

► Ins and outs of NHSN MRSA Bacteremia & CDI LabID Event Reporting

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# **KEY POINTS FOR LabID EVENT REPORTING**

- ► FacWideIN LabID event reporting is based on patient and location.
  - Include ALL in patient units as well as ED/Observation locations in LabID event surveillance with an exception for C. difficile surveillance in baby-based locations (e.g. NICU, Nursing)
- ▶ NHSN does NOT use patient 'status' for reporting.
  - ▶ An 'inpatient' is a patient housed on an inpatient location.
  - ▶ An 'outpatient' is a patient housed on an outpatient unit such as the ED or a dedicated 24-hr observation unit.
  - ► Facility specific status designations such a 'observation', 'inpatient', 'outpatient', 'swing bed patient', or 'short stay patient' are **not** used for in NHSN reporting.

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# **KEY POINTS FOR LabID EVENT REPORTING**

- ▶ For NHSN reporting purposes, the 'date admitted to facility' is the calendar day the patient locates to an inpatient location. Time spent in the ED or on a dedicated 24-hour observation unit is outpatient hours.
- ▶ LabID event reporting includes a '14-day' rule which prohibits a 'new' LabID event to be submitted for the patient in the SAME location until 15 days has passed between positive specimens. This rule is organism and location specific. Reporting resets each time the patient moves to a 'new' location.

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### **KEY POINTS FOR LabID EVENT REPORTING**

- ▶ LabID event reporting is based strictly on laboratory testing data <u>without</u> clinical evaluation of the patient, allowing for a much less labor-intensive method to track *C. difficile* and MDROs, such as MRSA.
- ➤ Symptoms are NOT used in LabID event reporting. No clinical determination is included in LabID event reporting.
- ➤ The first positive specimen for the patient in the location meeting definition is submitted as a LabID event.



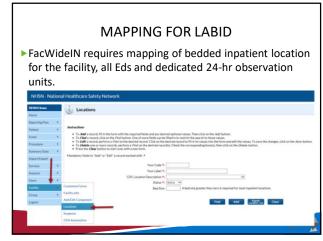
# **KEY POINTS FOR LabID EVENT REPORTING**

- LabID Event reporting is by single facility; prior positives identified at a different facility will not influence reporting at your facility and are not considered in event categorization
- ► The 'Transfer Rule' does NOT apply to LabID event reporting
- ▶ LabID Events are attributable to the location where the positive specimen is collected. There is no time requirement for 'how long' the patient must be housed on the unit to be eligible for reporting.



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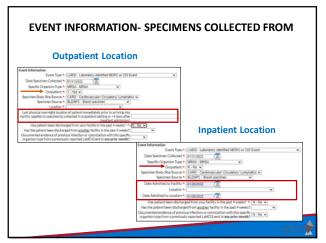
- ▶ The monthly reporting plan informs CDC which modules a facility is participating in during a given month.
- ▶ A facility must enter a plan for every month of the year.
- ▶ Add facility-wide inpatient reporting for MRSA bacteremia and *C. difficile* LabID events to your monthly reporting plan using the FACWIDEIN location.
- ▶ Emergency departments and 24-hr observations location are included in FacWideIN Reporting.

Note: ED and OBS units will automatically be added to your monthly reporting plan if mapped in NHSN. However, newly mapped EDs or OBs locations may require adding manually.

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# MRSA identified from blood culture: Includes S. aureus cultured from a blood specimen that tests oxacillinresistant, cefoxitin resistant, or methicillin-resistant by standard susceptibility testing methods, OR Any lab finding where MRSA is specifically identified 9includes but not limited to PCR or other molecular based detection methods). Applies to ALL inpatient locations [including locations known to predominately house babies] and Emergency Departments and 24-hour Observation locations.

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CATEGORIZATION OF MRSA BLOOD
LabID EVENTS

- Community-Onset (CO):

- LabID Event specimen collected in an outpatient location or an inpatient location on Hospital day 1 (day of admission), HD 2 or HD 3.

- Healthcare Facility-Onset (HO):

- LabID Event specimen collected on or after day 4 where HD 1 is the day of admission.

- Note: All HO LabID Events will have occurred more than 3 calendar days after admission.

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- All LabID Event(s) must be entered without regard to date of occurrence. Community-onset (CO) or Healthcare facility-onset (HO).
- ► The first MRSA positive blood culture for the patient and the location qualifies as a LabID event.
  - ▶ No additional MRSA LabID events are submitted for the patient in the location until there has been >14 days form the prior MRSA positive blood culture.
  - This is a rolling 14-day timeframe not specifically based on a previously submitted MRSA LabID event(s).
- ► Each location change resets reporting.

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# C. Difficile LabID EVENT DEFINITION

 A positive lab test result for C. difficile toxin A and/or B (includes molecular assays [PCR] and/or toxin assays) tested on an unformed stool specimen (must conform to the container).

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- A toxin-producing C. difficile organism detected in an unformed stool specimen by culture or other laboratory means.
- Applies to ALL inpatient locations within a facility, including Emergency Departments and 24-hour Observation locations but NOT for predominantly baby locations (e.g. nursing, NICU)

C. difficile testing only on UNFORMED stool samples!! Stool should conform to shape of container

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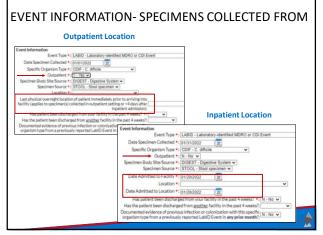
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- ▶ When using a multi-testing algorithm on the <u>same</u> unformed stool specimen, the finding of the last test performed will determine if the CD(+) lab assay definition is met.
- Only when the final report has specific test times attached to each of the individual testing methods can one make a valid determination of which test is performed first and which is performed last.
- ▶ If there are no specific test times/time stamps attached to each individual testing method on the final lab report, consider the tests to be performed simultaneously and any positive finding is eligible for use.

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CATEGORIZATION OF C. Difficile LabID EVENTS

• Community-Onset (CO):

• LabID Event specimen collected in an outpatient location in which the patient was not previously discharged from an inpatient location within the same facility ≤ 28 days prior to current date of specimen collection.

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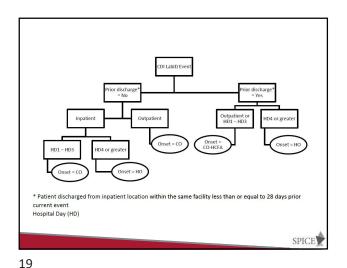
• LabID Event specimen collected in an inpatient location on HD 1 (day of admission), HD 2 or HD 3.

• Community-Onset Healthcare Facility-Associated (CO-HCFA):

• CO LabID Event specimen collected from an inpatient or outpatient location from a patient who was discharged from the facility ≤ 28 days prior to current date of stool specimen collection. Previous discharge must have been from an IP location within the same facility.

• Healthcare Facility-Onset (HO):

• LabID Event specimen collected from an inpatient location on or after HD4 where HD 1 is the day of admission.



# NHSN WILL CATEGORIZE C.DIFFICILE LABID EVENTS BASED ON LOCATION & SPECIMEN COLLECTION DATE

- ► Incident CDI LabID Event: Any CDI LabID Event from a specimen obtained > 56 day (day 57) after the most recent CDI LabID event (or with no previous CDI LabID Event documented) for that patient.
- ► Recurrent CDI LabId Event: Any CDI LabID Event from a specimen obtained > 14 days (day 15) and ≤ 56 days after the most recent CDI LabID event for that patient.

**Note:** The date of the 1<sup>st</sup> specimen collection is considered day 1.

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### KEY POINTS: LABID EVENT REPORTING C. DIFFICILE

- ➤ All LabID Event (s) must be entered without regard to date of occurrence. Community-Onset (CO) or healthcare facility-onset (HO).
- Only unformed stools should be tested for C. difficile. Internal rejection policies should be used to ensure appropriate testing.
- ▶ A positive CD finding from unformed stool specimen qualifies as a LabID Event if there has not been a previous positive laboratory result for the patient in the location within the previous 14 days.

EXAMPLE: On January 1, an ICU patient has a *C. difficile* toxin-positive laboratory result which <u>is</u> entered into NHSN. On January 4, while in the same location (ICU), the same patient has another positive *C. difficile* toxin-positive laboratory result which is <u>not</u> entered into NHSN because it is a duplicate for the patient and location (<u>has not been more than 14 days since the original C. difficile toxin-positive</u> <u>laboratory result while in the same location</u>). On January 16, while in the same location (ICU), the same patient has another *C. difficile* toxin-positive laboratory result. While it has been more than 14 days since the initial positive *C. difficile* toxin-positive laboratory result was entered into NHSN (January 1) for the same patient and same location, <u>it has not been more than 14 days since the patient's most recent *C. difficile* toxin-positive laboratory result (January 4) while in the same location. Therefore, the *C. difficile* toxin-positive laboratory result for January 16 is not entered into NHSN. On January 31, the patient has another *C. difficile* toxin-positive laboratory result dispositive laboratory result (January 16) while in the same location, this event <u>is</u> entered into NHSN.</u>

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 $Table\ 4:\ Measures\ Delivered\ to\ CMS\ For\ Facilities\ Participating\ in\ Quality\ Reporting\ Programs\ MRSA\ Bloodstream\ Infection\ and\ {\it C.\ difficile\ LabID\ Events}$ 

Facility Type	CMS Quality Reporting Program	MRSA Bloodstream Infection LabID Event Measure Sent to CMS	C. difficile LabID Event Measure Sent to CMS
General Acute Care Hospitals	Inpatient Quality Reporting Program	FacWidelN MRSA Bacteremia SIR	FacWideIN CDI SIR
Long Term Care Hospitals (referred to as Long Term Acute Care Hospitals in NHSN)	Long Term Care Hospital Quality Reporting Program	None	FacWideIN CDI SIR
Inpatient Rehabilitation Facilities (IRFs)	Inpatient Rehabilitation Facility Quality Reporting Program	IRF units within a hospital: None	IRF units within a hospital: CDI SIR for IRF Units
		Free-standing IRFs: None	Free-standing IRFs: FacWideIN CDI SIR
PPS-Exempt Cancer Hospitals (PCHs)	PPS-Exempt Cancer Hospital Quality Reporting Program	FacWideIN MRSA Bacteremia SIR	FacWideIN CDI SIR

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## **DENOMINATORS FOR LabID EVENT**

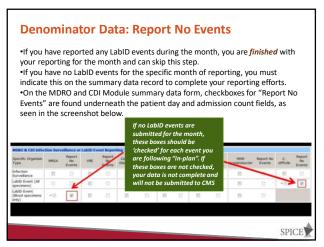
Denominators = Patient Days, admissions (for inpatient locations) and encounters for emergency department, and observation units.

### Patient Days:

- At the same time each day, the number of patients on the inpatient units should be recorded. This procedure should be followed regardless of the patient's status as an observation patient or an inpatient (based on IP location).
- · Patient Admissions:
  - Include any <u>new</u> patients that are assigned to a bed in <u>any inpatient location</u> within the facility at the time of the facility-wide admission count (i.e., was not present on the previous calendar day at the time of patient count).
- Encounter:
  - A Patient visit to an outpatient location

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LabID Event Calculator:
https://www.cdc.gov/nhsn/labid-calculator/index.html

-Available for use with C. difficile and MRSA LabID Event reporting

-Aids in decision making around the 14-day rule
-External calculator

MDRO & CDI LabID Event Calculator Version 2.0

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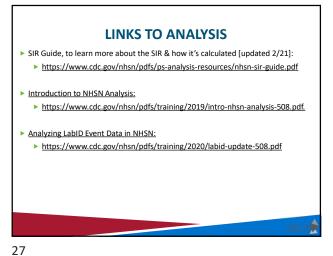
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