



BAC[teria] to Basics: NHSN MRSA Bacteremia & CDI LabID Event Reporting

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National Healthcare Safety Network

Surveillance Branch | NCEZID | DHQP

Centers for Disease Control and Prevention

NHSN Annual Training 2022

OBJECTIVES

- *Understand and apply LabID event reporting concepts as outlined in the NHSN PSC MDRO Chapter 12*
- *Recognize MRSA bacteremia and C. difficile events using NHSN definitions to provide events for reporting*
- *Correctly Report LabID Events and FacWideIN summary denominator data*

<https://www.cdc.gov/nhsn/acute-care-hospital/index.html>

Facilities

- Inpatient Psychiatric Facilities

Patient Safety Component +

- Long-term Care Facility Component +
- Dialysis Component +
- Biovigilance Component +
- Healthcare Personnel Safety Component (HPS) +
- Neonatal Component +
- Outpatient Procedure Component +
- NHSN Reports +
- Group Users
- Newsletters
- Data Validation Guidance +

ACH Modules & Events

Access relevant training, protocols, data collection forms and supporting materials for each module.

AUR Module Antimicrobial Use & Resistance Options	PNEU Events Pneumonia (PedVAP) Events
BSI Events Bloodstream Infections	SSI Events Surgical Site Infection Events
CLIP Events Central Line Insertion Practice Adherence	UTI Events Urinary Tract Infections
MDRO & CDI Events Multidrug-Resistant Organism & <i>C. difficile</i> Infections	VAE Ventilator-associated Events
PedVAE Pediatric Ventilator-associated Events	HCP Flu Vaccination Healthcare Personnel Safety Component
	HCP Exposure

National Healthcare Safety Network (NHSN)

CDC > NHSN Home > Patient Safety Component

[NHSN Home](#)

- NHSN Login
- About NHSN +
- Enroll Facility Here +
- CMS Requirements +
- Change NHSN Facility Admin
- Resources by Facility +
- Patient Safety Component -

 - Annual Surveys, Locations & Monthly Reporting Plans
 - Analysis Resources +
 - Antimicrobial Use & Resistance +

MDRO & CDI

Multidrug-Resistant Organism & *Clostridioides difficile* (MDRO/CDI) Infection Surveillance and LabID Event Reporting Module

Protocols

- Chapter 12: MDRO & CDI Module Protocol – January 2022** [PDF – 1 MB]
- 2022 Summary of Updates [PDF – 200 KB]

Supporting Chapters

- Chapter 1: NHSN Overview – January 2022 [PDF – 350 KB]
- Chapter 3: Patient Safety Monthly Reporting Plan – January 2022 [PDF – 300 KB]
- Chapter 15: CDC Location Labels and Location Descriptions – January 2022** [PDF – 1 MB]

- MDRO & CDI Training
- Educational Roadmap
- CMS Requirements
- FAQs
- MDRO & CDI
- Analysis

Key Concepts to LabID Event Reporting:

- FacWideIN LabID event reporting is based on patient **and location**. All inpatient units and ED/24-hour observation locations are included. The first positive specimen for the location meeting definition is submitted as a LabID event.



- 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-hour observation unit. Facility specific status designations such as 'observation', 'inpatient', 'outpatient', 'swing bed patient' or 'short stay patient' are not used for in NHSN 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 location specific and resets each time the patient moves to a ‘new’ location.

- LabID Event reporting is based strictly on laboratory testing data without 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.
- These provide proxy infection measures of healthcare acquisition, exposure burden, and infection burden are based primarily on laboratory and limited admission data.



- 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.



CHECKLIST:

Facility-wide {FacWideIN} LabID Event Reporting

- Review location options and map locations in NHSN as necessary.
- Review Monthly Reporting Plan(s) and update as necessary.
- Identify and enter all LabID events into NHSN by location.
- Enter denominator data for each month under surveillance.
- Resolve “Alerts”, if applicable.

FacWideIN requires mapping of bedded inpatient locations for the facility, all EDs and dedicated 24-hour Observation units

NHSN - National Healthcare Safety Network

NHSN Home

- Alerts
- Reporting Plan ▶
- Patient ▶
- Event ▶
- Procedure ▶
- Summary Data ▶
- Import/Export
- Surveys ▶
- Analysis ▶
- Users ▶
- Facility ▶**
 - Customize Forms
 - Facility Info
 - Add/Edit Component
 - Locations**
 - Surgeons
 - CDA Automation
- Group ▶
- Logout

Locations

Instructions

- To **Add** a record, fill in the form with the required fields and any desired optional values. Then click on the *Add* button.
- To **Find** a record, click on the *Find* button. One or more fields can be filled in to restrict the search to those values.
- To **Edit** a record, perform a *Find* on the desired record. Click on the desired record to fill in its values into the form and edit the values. To save the changes, click on the *Save* button.
- To **Delete** one or more records, perform a *Find* on the desired record(s). Check the corresponding box(es), then click on the *Delete* button.
- Press the **Clear** button to start over with a new form.

Mandatory fields to "Add" or "Edit" a record marked with *

Your Code *:

Your Label *:

CDC Location Description *:

Status *:

Bed Size: A bed size greater than zero is required for most inpatient locations.

Find Locations:

Your Code *:

Your Label *:

CDC Location Description *:

Status *:

Bed Size *: A bed size greater than zero is required for most inpatient locations.



Delete	Status	Your Code	Your Label	CDC Description	CDC Code	NHSN HL7 Code	Bed Size
<input type="checkbox"/>	Active	ED	ED	Emergency Department	OUT:ACUTE:ED	1108-0	
<input type="checkbox"/>	Active	M-SWARD	MED-SURGWARD	Medical/Surgical Ward	IN:ACUTE:WARD:MS	1061-1	15

https://www.cdc.gov/nhsn/pdfs/pscmanual/15locationsdescriptions_current.pdf

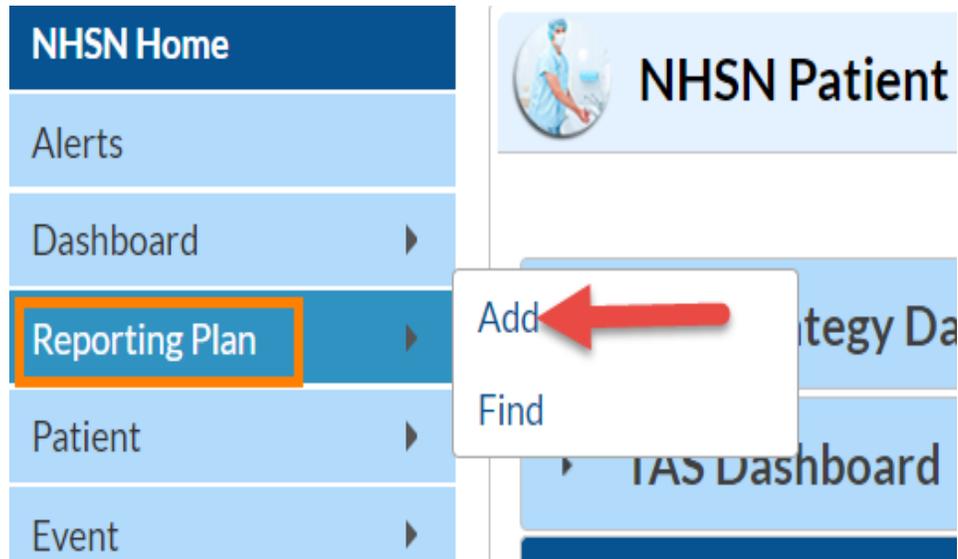
CHECKLIST: FacWideIN LabID Event Reporting

- ✓ Review location options and map locations in NHSN as necessary.
- Review Monthly Reporting Plan(s) and update as necessary.
- Identify and enter all *C. difficile* LabID events into NHSN by location.
- Enter denominator data for each month under surveillance.
- Resolve “Alerts”, if applicable.

Monthly Reporting Plan

- The Monthly Reporting Plan informs CDC which modules a facility is participating in during a given month.
 - Referred to as “In-Plan” data
- 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 (MRP) using the “**FACWIDEIN**” location.
- Emergency departments and 24-hour observation locations **are** included in FacWideIN reporting. **NOTE**** These locations will ‘automatically’ be added to your monthly reporting plan when you select ‘FacWideIN’ as long as you do NOT use the ‘copy from previous month’ option when selecting the monthly reporting plan.

Creating a Monthly Reporting Plan



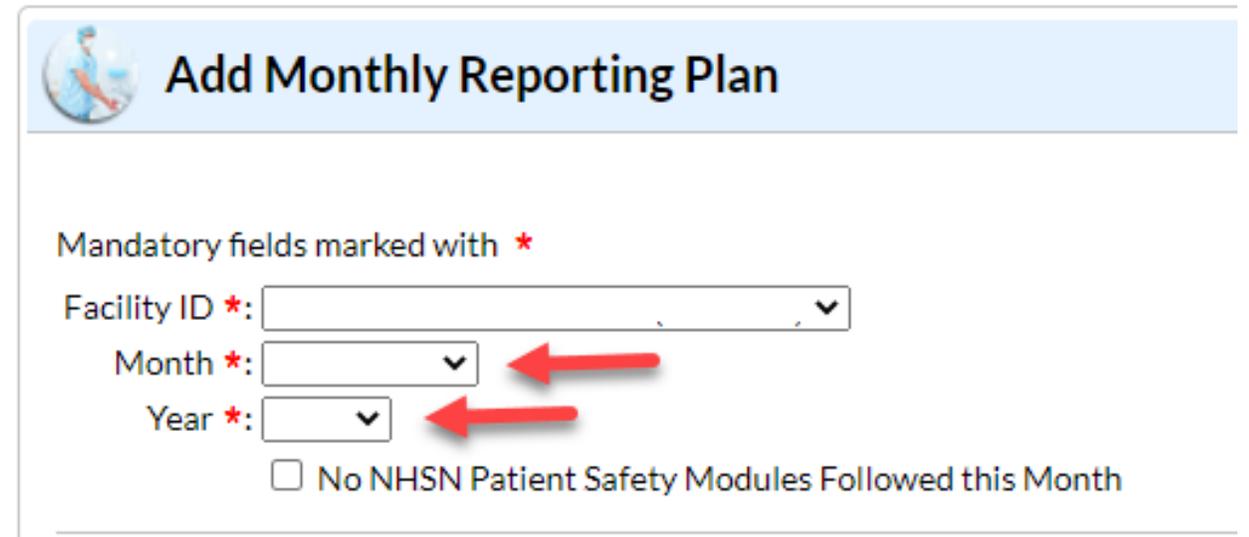
NHSN Home

- Alerts
- Dashboard
- Reporting Plan**
- Patient
- Event

NHSN Patient

Strategy Da

Find



Add Monthly Reporting Plan

Mandatory fields marked with *

Facility ID *:

Month *:

Year *:

No NHSN Patient Safety Modules Followed this Month

Creating a Monthly Reporting Plan

Multi-Drug Resistant Organism Module

Locations				Specific Organism Type			
	FACWIDEIN - Facility-wide Inpatient (FacWIDEIn) ▼			▼			
Process and Outcome Measures							
Infection Surveillance	AST-Timing	AST-Eligible	Incidence				
<input type="checkbox"/>	▼	▼	<input type="checkbox"/>				
Buttons: Add Row Clear All Rows Copy from Previous Month							

ACINE - MDR-Acinetobacter
CDIF - C. difficile
CEPHRKLEB - CephR-Klebsiella
CRE - CRE (CRE-Ecoli, CRE-Enterobacter, CRE-Klebsiella)
MRSA - MRSA
MRSA/MSSA - MRSA with MSSA
VRE - VRE

Multi-Drug Resistant Organism Module

Locations				Specific Organism Type				
	ED-ER - ED-ER ▼			CDIF - C. difficile ←				
Process and Outcome Measures								
Infection Surveillance	AST-Timing	AST-Eligible	Incidence	Prevalence	Lab ID Event All Specimens	Lab ID Event Blood Specimens Only	HH	GG
<input type="checkbox"/>	▼	▼	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	FACWIDEIN - Facility-wide Inpatient (FacWIDEIn) ▼			CDIF - C. difficile ←				
Process and Outcome Measures								
Infection Surveillance	AST-Timing	AST-Eligible	Incidence	Prevalence	Lab ID Event All Specimens	Lab ID Event Blood Specimens Only	HH	GG
<input type="checkbox"/>	▼	▼	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CHECKLIST: FacWideIN LabID Event Reporting

- ✓ Review location options and map locations in NHSN as necessary.
- ✓ Review Monthly Reporting Plan(s) and update as necessary.
- Identify and enter all LabID events into NHSN by location.
- Enter denominator data for each month under surveillance.
- Resolve “Alerts”, if applicable.

Protocol Standard Guidance

- Events are reported by patient **AND** location. Each location change for the patient resets reporting.
- The first lab positive finding for the patient in a location qualifies as a LabID event. Following this submission, no additional LabID events are submitted into NHSN for the location until there is a > 14-day gap in positive findings.
- LabID Events are attributable to the location where the positive specimen is collected.



Definition: *C. difficile* LabID Event

- ***C. Difficile*-positive laboratory assay**** excludes locations known to predominately house babies (NICU, Nursery, etc.)

A positive laboratory 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).

A toxin-producing *C. difficile* organism detected by culture or other laboratory means performed on an unformed stool sample (must conform to the container).

- **NOTE**** When using a multi-step testing algorithm for CDI on the same unformed stool specimen, the finding of the last test performed on the specimen that is documented in the patient medical record will determine if the CDI positive laboratory assay definition is met.

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

Event - Patient Information

NHSN - National Healthcare Safety Network

NHSN Home

- Alerts
- Reporting Plan
- Patient
- Event**
- Procedure
- Summary Data
- Import/Export
- Surveys
- Analysis

Add Event

Mandatory fields marked with *

Fields required for record completion marked with **

Fields shown in Plan marked with >

Facility ID *:

Patient ID *:

Secondary ID:

Last Name:

Middle Name:

Gender *:

Find Find Events for Patient

Event Information

Event Type *:

Date of Event *:

Custom Fields

Comments

Save Back

- BJ - Bone and Joint Infection
- BSI - Bloodstream Infection
- CLIP - Central Line Insertion Practices
- CNS - Central Nervous System
- CVS - Cardiovascular
- EENT - Eye, Ear, Nose and Throat
- GI - Gastrointestinal
- LABID - Laboratory-identified MDRO or CDI Event
- LRI - Lower Respiratory Infection
- PNEU - Pneumonia
- REPR - Reproductive Tract
- SSI - Surgical Site Infection
- SST - Skin and Soft Tissue
- SYS - Systemic
- UTI - Urinary Tract Infection
- VAE - Ventilator-Associated Event
- 01 - CLABSI SURVEILLANCE IN CLINIC
- EVENT - SHOULDER REPLACEMENT

Event Information- Specimens Collected from:

Outpatient Location

Event Information

Event Type *: LABID - Laboratory-identified MDRO or CDI Event **LABID must be selected**

Date Specimen Collected *: 02/01/2022

Specific Organism Type *: CDIF - C. difficile

Outpatient *: Y - Yes **autofills**

Specimen Body Site/Source *: DIGEST - Digestive System

Specimen Source *: STOOL - Stool specimen

Location *: EDEPT - EMERGENCY **autofills**

★ Last physical overnight location of patient immediately prior to arriving into facility (applies to specimen(s) collected in outpatient setting or <4 days after inpatient admission):

Has patient been discharged from your facility in the past 4 weeks? *: N - No

★ Has the patient been discharged from another facility in the past 4 weeks?:

Documented evidence of previous infection or colonization with this specific organism type from a previously reported LabID Event in **any prior month**?: **NHSN**

Inpatient Location

Event Information

Event Type *: LABID - Laboratory-identified MDRO or CDI Event

Date Specimen Collected *: 01/31/2022

Specific Organism Type *: CDIF - C. difficile

Outpatient *: N - No **autofills**

Specimen Body Site/Source *: DIGEST - Digestive System

Specimen Source *: STOOL - Stool specimen

Date Admitted to Facility *: 01/20/2022 **autofills**

Location *: ICU/CCU - ICU/CCU

Date Admitted to Location *: 01/20/2022

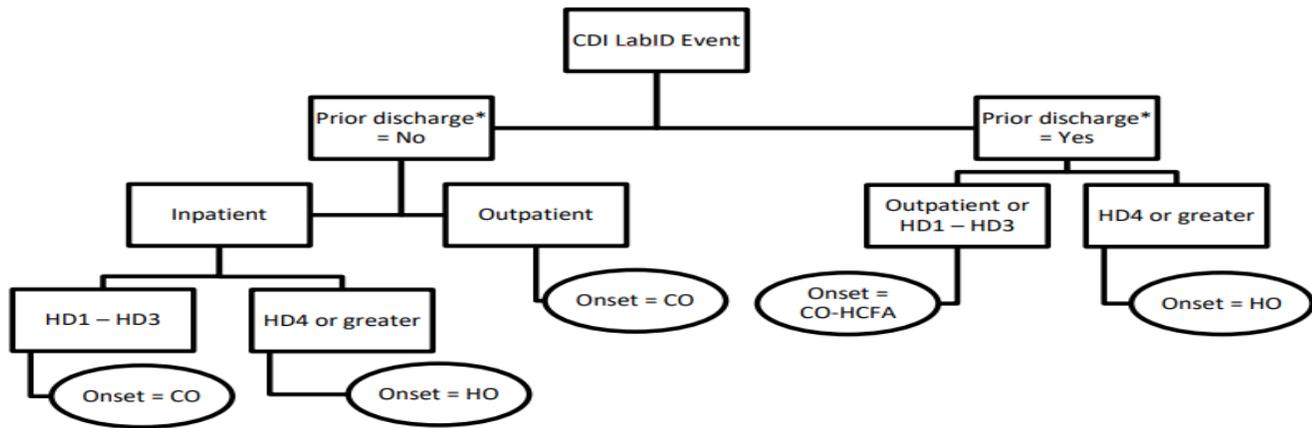
Has patient been discharged from your facility in the past 4 weeks? *: N - No

Has the patient been discharged from another facility in the past 4 weeks?:

Documented evidence of previous infection or colonization with this specific organism type from a previously reported LabID Event in **any prior month**?: **NHSN**

NHSN will Categorize *C. difficile* LabID Events Based on Location & Specimen Collection Date:

- **Community-Onset (CO):** LabID Event meeting one of the following criteria:
A) collected in an outpatient location in which the patient was not previously discharged from an inpatient location within the same facility less than or equal to 28 days prior to current date of specimen collection - B) 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 collected from an inpatient or an outpatient location from a patient who was discharged from the facility less than or equal to 28 days prior to current date of stool specimen collection. The previous discharge must have been from an inpatient location within the same facility (in other words, an outpatient visit does not qualify as “admitted”, and therefore is not used to set the timeline for CO-HCFA).
- **Healthcare Facility-Onset (HO):** LabID Event collected from an inpatient location on or after HD 4 where HD 1 is day of admission.



* Patient discharged from inpatient location within the same facility less than or equal to 28 days prior current event

NHSN will Categorize *C. difficile* LabID Events Based on Location & Specimen Collection Date:

CDI LabID Events are further categorized by NHSN as **Incident** or **Recurrent**. Refer to the 'cdiAssay' variable in the NHSN Line List.

- **Incident** CDI LabID Event: Any CDI LabID Event from a specimen obtained more than 56 days after the most recent CDI LabID Event (or with no previous CDI LabID Event documented) for that patient. Note: the date of first specimen collection is considered day 1.
- **Recurrent** CDI LabID Event: Any CDI LabID Event from a specimen obtained more than 14 days and less than or equal to 56 days after the most recent CDI LabID Event for that patient. Note: the date of first specimen collection is considered day 1.
- **CdiAssay** will be unassigned, or “blank”, for any CDI LabID event collected less than or equal to 14 days after the most recent CDI LabID event for that patient.

Let's Review *C. difficile* LabID Event Reporting

- For FacWideIN, *C. difficile* toxin-positive specimens MUST be monitored for all inpatient locations within a facility (includes ED and 24-hour OBS locations) but not for predominately baby locations {Nursery, NICU, etal}.
- 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.**

Definition: MRSA bacteremia LabID Event

MRSA identified from blood culture:

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

Event Information- Specimens Collected from:

Outpatient Location

Event Information

Event Type *: LABID - Laboratory-identified MDRO or CDI Event ▾

Date Specimen Collected *: 01/31/2022 13

Specific Organism Type *: MRSA - MRSA ▾

★ Outpatient *: Y - Yes ▾

Specimen Body Site/Source *: CARD - Cardiovascular/ Circulatory/ Lymphatics ▾ } manual selection

Specimen Source *: BLDSPC - Blood specimen ▾

Location *: ED-ER - ED-ER ▾

Last physical overnight location of patient immediately prior to arriving into facility (applies to specimen(s) collected in outpatient setting or <4 days after inpatient admission): _____

Has patient been discharged from your facility in the past 4 weeks? *: N - No ▾

Has the patient been discharged from another facility in the past 4 weeks?: _____ ▾

Documented evidence of previous infection or colonization with this specific organism type from a previously reported LabID Event in any prior month?: N - No ← NHSN

Inpatient Location

Event Information

Event Type *: LABID - Laboratory-identified MDRO or CDI Event ▾

Date Specimen Collected *: 01/31/2022 13

Specific Organism Type *: MRSA - MRSA ▾

Outpatient *: N - No ▾

Specimen Body Site/Source *: CARD - Cardiovascular/ Circulatory/ Lymphatics ▾ } manual selection

Specimen Source *: BLDSPC - Blood specimen ▾

Date Admitted to Facility *: 01/20/2022 13

Location *: ICU/CCU - ICU/CCU ▾

Date Admitted to Location *: 01/20/2022 13

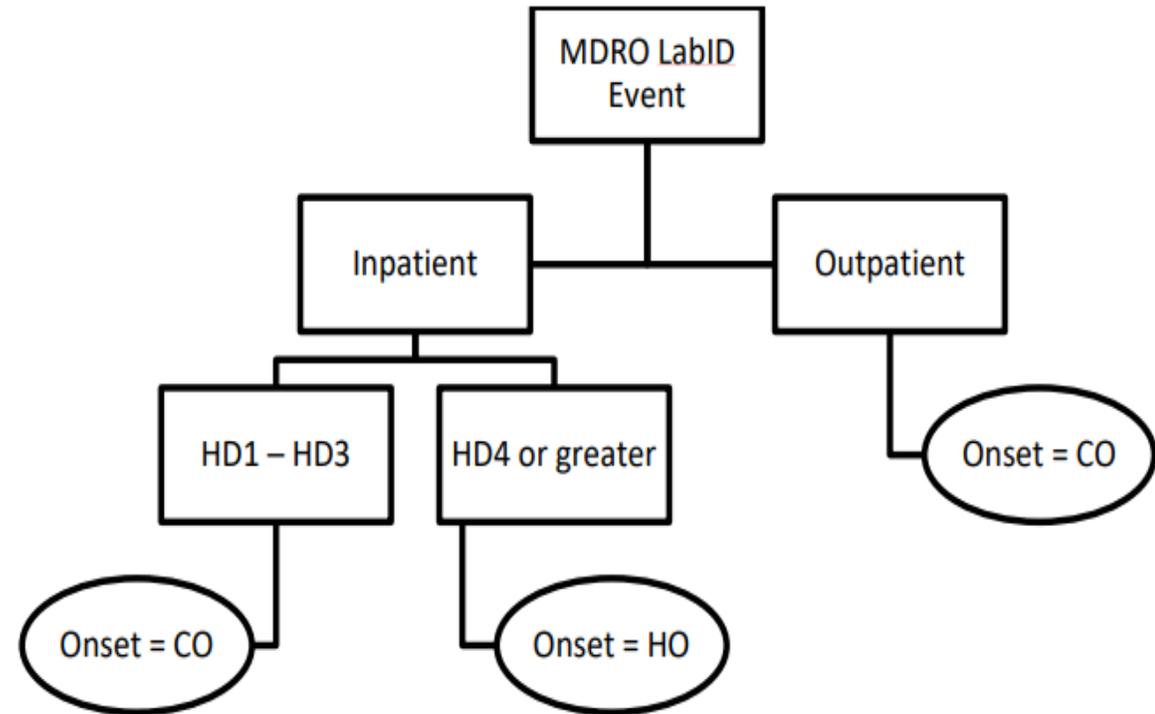
Has patient been discharged from your facility in the past 4 weeks? *: N - No ▾

Has the patient been discharged from another facility in the past 4 weeks?: _____ ▾

Documented evidence of previous infection or colonization with this specific organism type from a previously reported LabID Event in any prior month?: N - No ← NHSN

NHSN will Categorize MRSA bacteremia LabID Events Based on Location & Specimen Collection Dates

- 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 Hospital Day 4 where HD 1 is day of admission. Thus, all HO LabID Events will have occurred more than 3 calendar days after admission.



Hospital Day (HD)

Let's Review MRSA bacteremia LabID Event Reporting

- For FacWideIN, MRSA + blood cultures are monitored for all inpatient locations within a facility , including ED and 24-hour OBS locations as well as predominately baby locations {Nursery, NICU, etal.}.
- All LabID Event(s) MUST be entered without regard to date of occurrence. Community-Onset (CO) or Healthcare facility-onset (HO).
- The first MRSA+ BC 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 from prior MRSA+ BC. This is a 'rolling' 14-day timeframe not specifically based on a previously submitted MRSA LabID event(s).
- Each location change resets reporting.

CHECKLIST:

FacWideIN LabID Event Reporting

- ✓ Review location options and map locations within NHSN as necessary.
- ✓ Review Monthly Reporting Plan(s) and update as necessary.
- ✓ Identify and enter all LabID events into NHSN by location.
- Enter denominator data for each month under surveillance.
- Resolve “Alerts”, if applicable.

Entering Denominator Data in NHSN Application

- Click on 'Summary Data' and then 'Add' on the left-hand navigation bar.
- Select 'MDRO and CDI Monthly Denominator –All Locations' from the Summary Data Type dropdown menu (see screenshot). This is a different form than the one you use to report summary data for CLABSI and CAUTI.

The screenshot displays the NHSN application interface. On the left is a navigation menu with the following items: NHSN Home, Alerts, Dashboard, Reporting Plan, Patient, Event, Procedure, Summary Data, COVID-19, Import/Export, and Surveys. The 'Summary Data' item is highlighted with a red box and a red circle containing the number '1'. A dropdown menu is open for 'Summary Data', with the 'Add' option highlighted by a red box and a red circle containing the number '2'. The main content area is titled 'Add Patient Safety Summary Data' and features a dropdown menu for 'Summary Data Type' set to 'MDRO and CDI Monthly Denominator - all Locations'. Below this dropdown are two buttons: 'Continue' and 'Back'. A red arrow points to the 'Continue' button, and another red arrow points to the dropdown menu, with a red circle containing the number '3' next to the second arrow.

Denominator Data: FacWideIN

- On the summary data entry screen, select FACWIDEIN as the location for which you are entering the summary data. After selecting the FACWIDEIN location, month, and year, six summary data fields will become required.



MDRO and CDI Monthly Denominator Form

Mandatory fields marked with *

[Print Form](#)

Facility ID *:

Location Code *: FACWIDEIN - Facility-wide Inpatient (FacWIDEIn)

Month *: January

Year *: 2022

General

Line 1: Setting: Inpatient Total Facility Patient Days *: Total Facility Admissions *:

Line 2: If your facility has a CMS-certified rehab unit (IRF) or CMS-certified psych unit (IPF), please subtract these counts from "Total Facility Patient Days" and "Total Facility Admissions" (Line 1).
If you do not have these units, enter the same values you entered on Line 1.
Counts= [Total Facility - (IRF + IPF)]

Patient Days *: Admissions *:

Line 3: If your facility has a CMS-certified IRF, CMS-certified IPF, NICU, or Well Baby Unit, please subtract those counts from "Total Facility Patient Days" and "Total Facility Admissions" (Line 1).
If you do not have these units, enter the same values you entered on Line 1.
Counts= [Total Facility - (IRF + IPF + NICU + Well Baby Unit)]

Patient Days *: Admissions *:

Denominator Data: Inpatient Rehab or Inpatient Psych units

- On the summary data entry screen, use the 'Location Code' drop down menu to select the Rehab or Psych unit included as separate row on your monthly reporting plan {in addition to FacWideIN}.
- After selecting the appropriate unit, month, and year, complete 2 required fields

NHSN - National Healthcare Safety Network

NHSN Home

Alerts

Dashboard ▶

Reporting Plan ▶

Patient ▶

Event ▶

Procedure ▶

Summary Data ★ ▶

COVID-19 ▶

MDRO and CDI Monthly Denominator Form

Mandatory fields marked with *

Facility ID *: [Redacted] ▼

Location Code *: 5 EAST - ADULT REHAB ▼

Month *: January ▼

Year *: 2022 ▼

General

Setting: Inpatient Total Patient Days: [Yellow Box] Total Admissions: [Yellow Box]

NHSN - National Healthcare Safety Network

NHSN Home

Alerts

Dashboard ▶

Reporting Plan ▶

Patient ▶

Event ▶

Procedure ▶

Summary Data ★ ▶

COVID-19 ▶

Import/Export

MDRO and CDI Monthly Denominator Form

Mandatory fields marked with *

Facility ID *: [Redacted] ▼

Location Code *: 5 WEST - ADULT PSYCH ▼

Month *: January ▼

Year *: 2022 ▼

General

Setting: Inpatient Total Patient Days: [Yellow Box] Total Admissions: [Yellow Box]

Organism Selection/Confirmation of No Events

CHECKLIST:

FacWideIN LabID Event Reporting

- ✓ Review location options and map locations in NHSN as necessary.
- ✓ Review Monthly Reporting Plan(s) and update as necessary.
- ✓ Identify and enter all *C. difficile* LabID events into NHSN by location.
- ✓ Enter denominator data for each month under surveillance.
- Resolve “Alerts”, if applicable.

Denominator Data: Report No Events

- If you have reported any LabID events during the month, you are **finished** with your reporting for the month and can skip this step.
- If you have no LabID events for the specific month of reporting, you must indicate this on the summary data record to complete your reporting efforts.
- On the MDRO and CDI Module summary data form, checkboxes for “Report No Events” are found underneath the patient day and admission count fields, as seen in the screenshot below.

MDRO & CDI Infection Surveillance or LabID Event Reporting										
Specific Organism Type	MRSA	Report No Events	VRE	Report No Events	Klebsiella pneumoniae	Report No Events	MDR- Acinetobacter	Report No Events	C. difficile	Report No Events
Infection Surveillance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
LabID Event (All specimens)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
LabID Event (Blood specimens only)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						

If no LabID events are submitted for the month, these boxes should be “checked” for each event you are following “in-plan”. If these boxes are not checked, your data is not complete and will not be submitted to CMS.

If you identify and enter LabID events for an organism after you’ve already checked the “Report No Events” box, the “Report No Events” check will automatically be removed in the NHSN database.

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

Denominator Form

[MDRO and CDI Monthly Denominator Form – January 2021 \(57.127\)](#) [PDF – 60 KB]

- [Customizable form](#) [DOCX – 40 KB]
- [Table of Instructions](#) [PDF – 200 KB]

Supporting Forms

- [Annual Facility Surveys](#)
- [Monthly Reporting Plan](#)

Analysis Resources

[Analysis Resources](#)

[Analysis Quick Reference Guides](#)

[How to see “Create” and “Modify” dates within NHSN](#) [PDF – 400 KB]

MDRO & CDI LabID Event Calculator

[MDRO & CDI LabID Event Calculator](#)
(must have javascript enabled)

Operates based upon the currently posted LabID Event protocols in the NHSN MDRO & CDI Module.

Analysis Resources

[How to see “Create” and “Modify” dates within NHSN](#) [PDF – 400 KB]

[Troubleshooting MRSA and CDI LabID Event SIR](#) [PDF – 220 KB]

[More on the page below](#)



National Healthcare Safety Network (NHSN)

[CDC > NHSN > Materials for Enrolled Facilities](#)

MDRO & CDI LabID Event Calculator

Welcome to the Multidrug-resistant Organism and Clostridium difficile LabID Event Calculator (LabID Calculator) which implements the National Healthcare Safety Network (NHSN) MDRO and C. difficile surveillance definitions. The calculator is designed as a learning tool for understanding the [more](#)

Enter a Reporting Plan...

Choose an organism to track:

- Select
- MRSA
- MSSA
- VRE
- CephR-Klebsiella
- CRE-Ecoli
- CRE-Klebsiella
- MDR-Acinetobacter
- CDIF-C. difficile

All Specimen Types Blood Specimens Only

Use Generic Locations Type In Your Own

Choose a reporting month: Choose a reporting year:

Next...

Links to Analysis:

- SIR Guide, to learn more about the SIR & how it's calculated [updated 2/21]:
<https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/nhsn-sir-guide.pdf>
- Introduction to NHSN Analysis:
<https://www.cdc.gov/nhsn/pdfs/training/2019/intro-nhsn-analysis-508.pdf>
- Analyzing LabID Event Data in NHSN:
<https://www.cdc.gov/nhsn/pdfs/training/2020/labid-update-508.pdf>

Checkpoint – learning assessment:

- 65yo patient undergoing treatment for lymphoma presents to the ED from home unresponsive with significant low BP. Fluid resuscitation initiated with blood cultures/labs collected. After stabilization, the patient is admitted to ICU on 2/1. The patient's standard chemotherapy infusion is conducted on 2/3 and TPN/lipids are started. Later this day, blood cultures are collected after temp spike. The 2/1 and 2/3 blood cultures result as MRSA+ on 2/4. Diarrhea is noted first on 2/4 continuing 2/5 and 2/6. An unformed stool specimen is collected 2/6, testing positive for *C. difficile*. The patient has a sudden cardiac arrest and expires 2/7.
- If you're monitoring FacWideIN MRSA bacteremia and *C. difficile* LabID events, are there events for reporting and if so, how many?

Answers to learning exercise

- LabID events:
 - (1) 2/1 MRSA LabID event for ED
 - (2) 2/3 MRSA LabID event for ICU
 - (3) 2/6 CD LabID event for ICU

BONUS: *How are these events categorized?*

2/1 ED event is CO as it occurs in an outpatient location

2/3 event is CO as the event occurs on HD 3 [day of admit HD 2/1, +2/3]

2/6 event is HO as the event occurs on HD 6

Questions ???

contact the NHSN Helpdesk at nhsn@cdc.gov

