Locking into LabID Event Reporting

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Centers for Disease Control and Prevention

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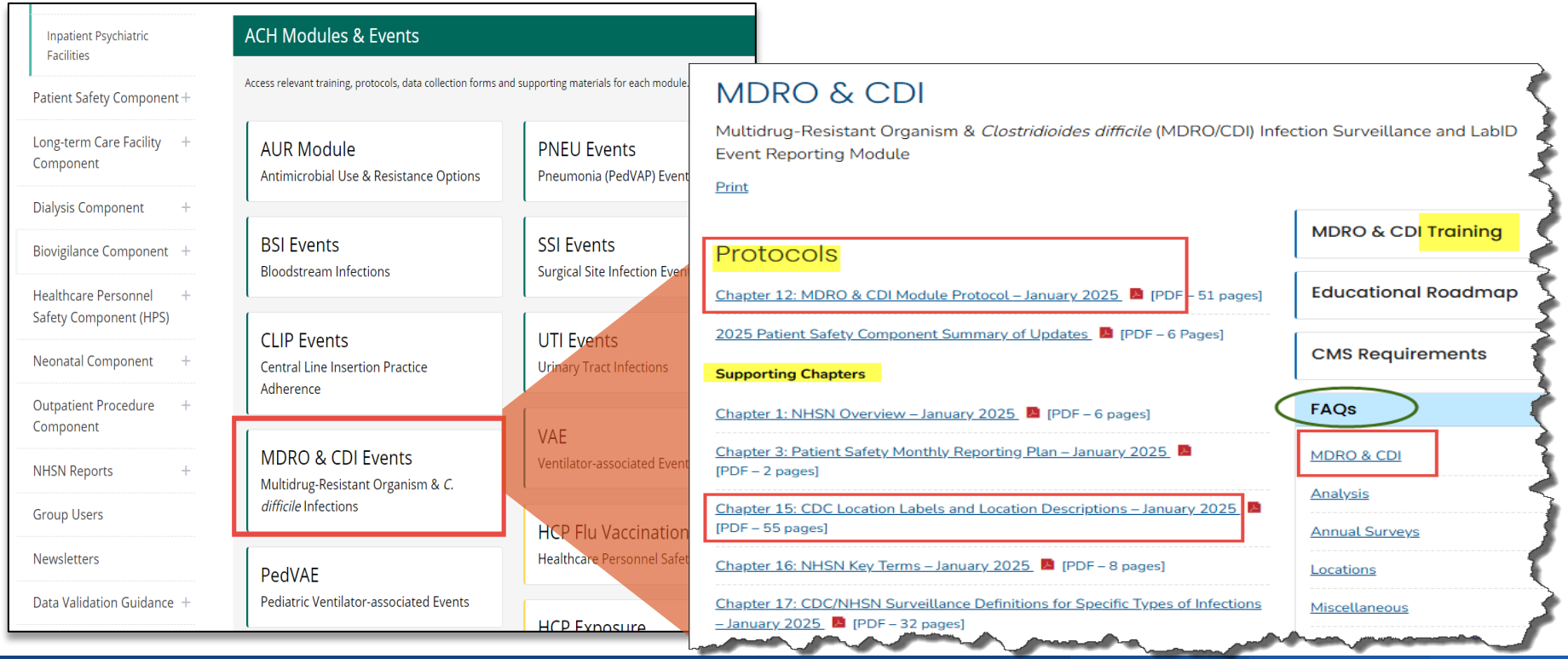
Objectives

By the end of this session, you will be able to:

- Understand and explain the basics of LabID Event Reporting as outlined in the NHSN PSC MDRO Chapter 12
- Apply the concepts and guidance for LabID Event Reporting as provided in the MDRO protocol
- Correctly report FacWideIN summary denominator data
- Using Case Studies, Identify and Correctly Report LabID Events

MDRO & CDI Events Webpage

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



Overarching Concepts for all MDRO events

LabID Event Reporting

- LabID event reporting is a unique surveillance, separate from all other types of surveillance conducted by the facility. HAI rules do not apply to LabID events, specifically, the 'transfer rule' doesn't 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.
- LabID events are identified by patient and location at the individual facility. Events do not cross different NHSN facilities.
- The first positive specimen for the patient in the location meeting definition is submitted as a LabID event. Each time a patient moves to a new location, reporting resets.
- FacWideIN reporting includes all inpatient locations, all emergency departments and observation units.

LabID Event Reporting

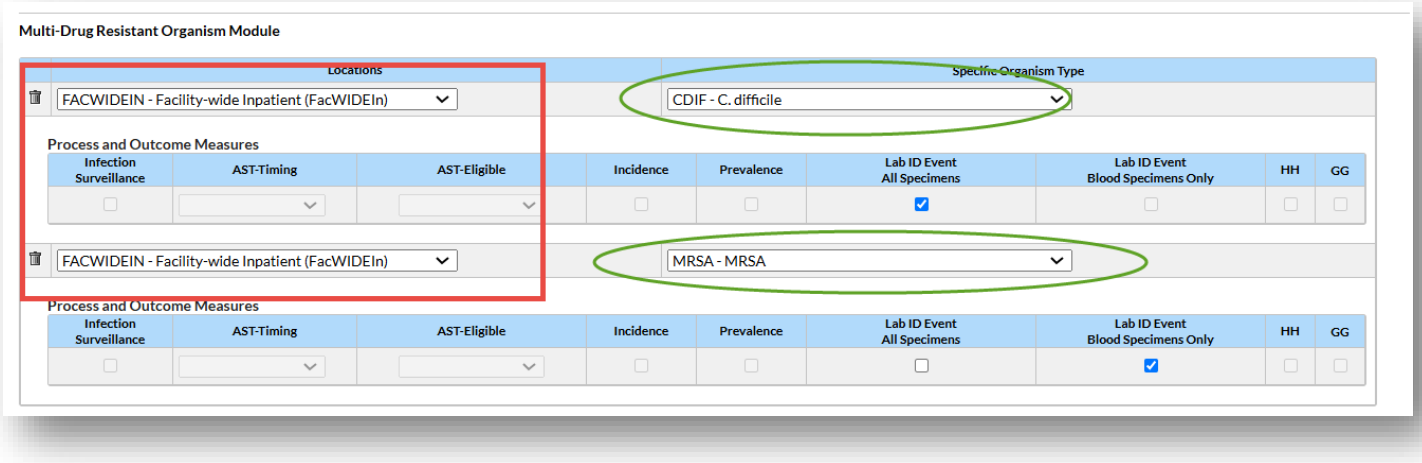
- The ‘date admitted to the facility’ is the calendar day the patient locates to an inpatient location for the reporting facility - This is Hospital Day 1
- LabID Events are identified strictly from the laboratory test without clinical evaluation of the patient. This allows for a much less labor-intensive method to track C. difficile and MDROs, such as MRSA
- Symptoms nor diagnosis are used in LabID event reporting; there is no clinical aspect to LabID event reporting. The module intent is to track the incidence and prevalence of MDROs within the healthcare setting and community setting
- There are no exclusions offered in LabID event reporting however, there is a location specific rule which prohibits reporting a ‘new’ LabID event for the 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.

Monthly Reporting Plan

The Monthly Reporting Plan (MRP)

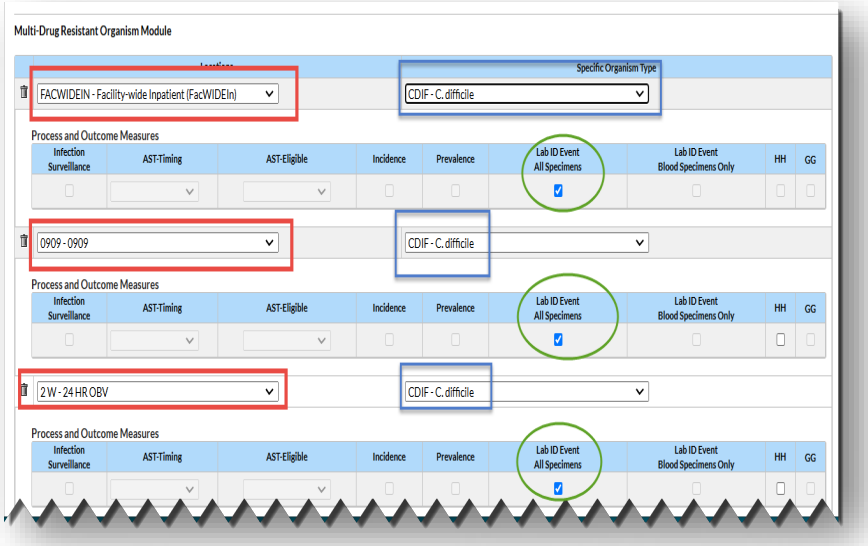
The Monthly Reporting Plan (MRP) informs NHSN which modules a facility follows during a given month. A facility must file a MRP for each month of participation.

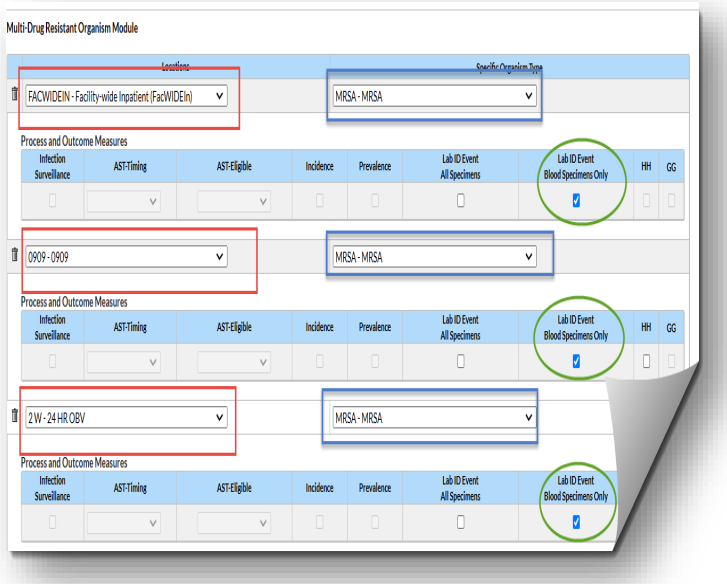
- Referred to as “In-Plan” data
- The most common ‘location’ selected on the MRP is “Facility Wide Inpatient (FacWideIN)” which is only available for LabID



The Monthly Reporting Plan (MRP)

Facility Wide Inpatient (FACWIDEIN) includes all inpatient locations, Emergency Departments and 24-hour Observation units. ED and Observation will auto-populate when FacWideIN is selected on the MRP.





LabID Event Definitions and Reporting Instructions

Definition: *C. difficile* LabID Event

C. Difficile-positive laboratory assay

- 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:

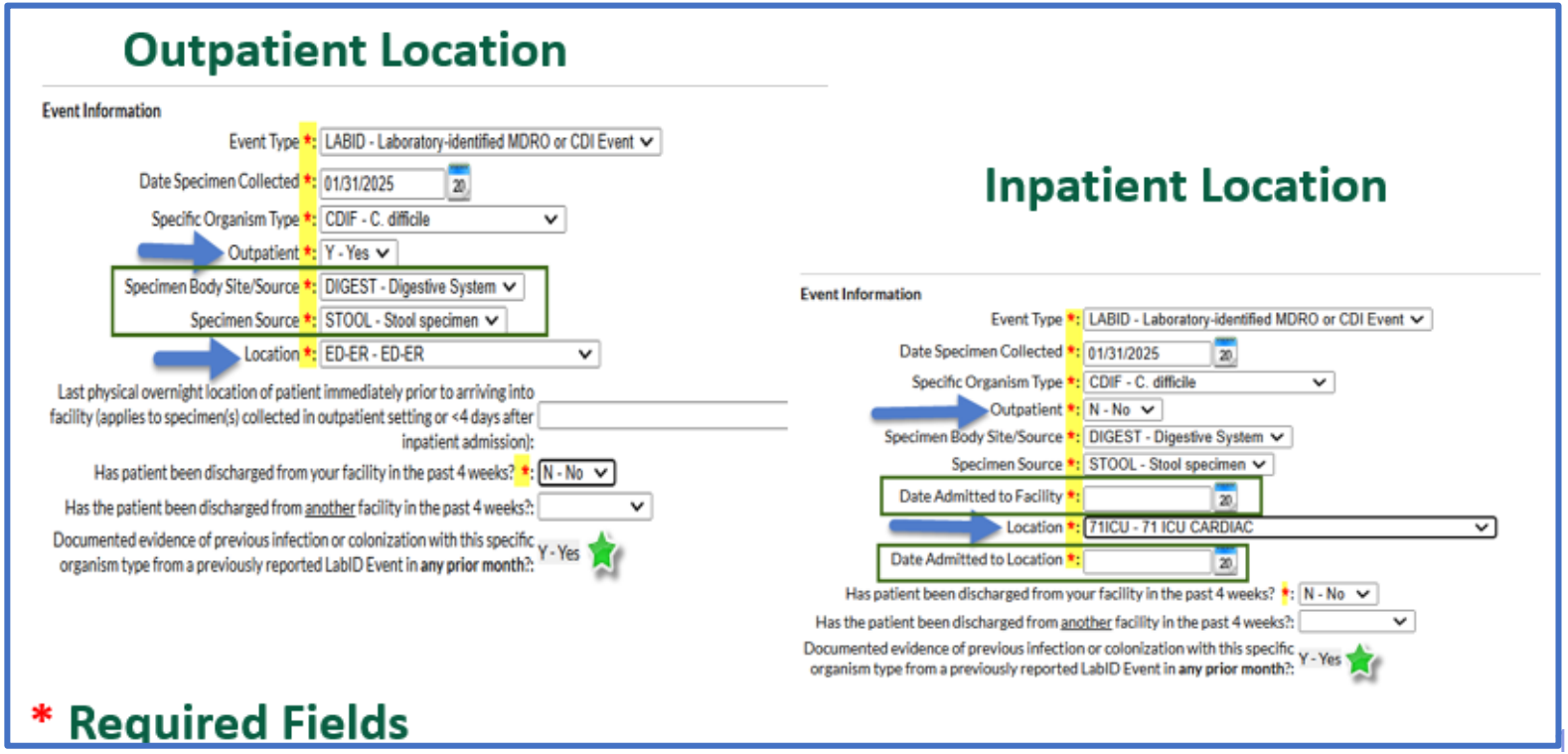
When using a multi-step testing algorithm for CDI on the same unformed stool specimen, the finding of the last test performed will determine if the CD(+) lab assay definition is met.

Only when the final report has specific test times attached to each test method (for example, PCR and antigen/toxin) can one make a valid determination of which test is the last test performed.

If there are no specific test times/ time stamps attached to each individual testing method on the final lab report, consider the tests as performed simultaneously and any positive finding is eligible for use.

Event Information – Specimens Collection Form

From Outpatient and Inpatient locations.



MRSA bacteremia LabID Event

MRSA identified from blood culture:

Includes ***S. aureus*** cultured from a blood culture specimen that tests oxacillin-resistant, cefoxitin 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).

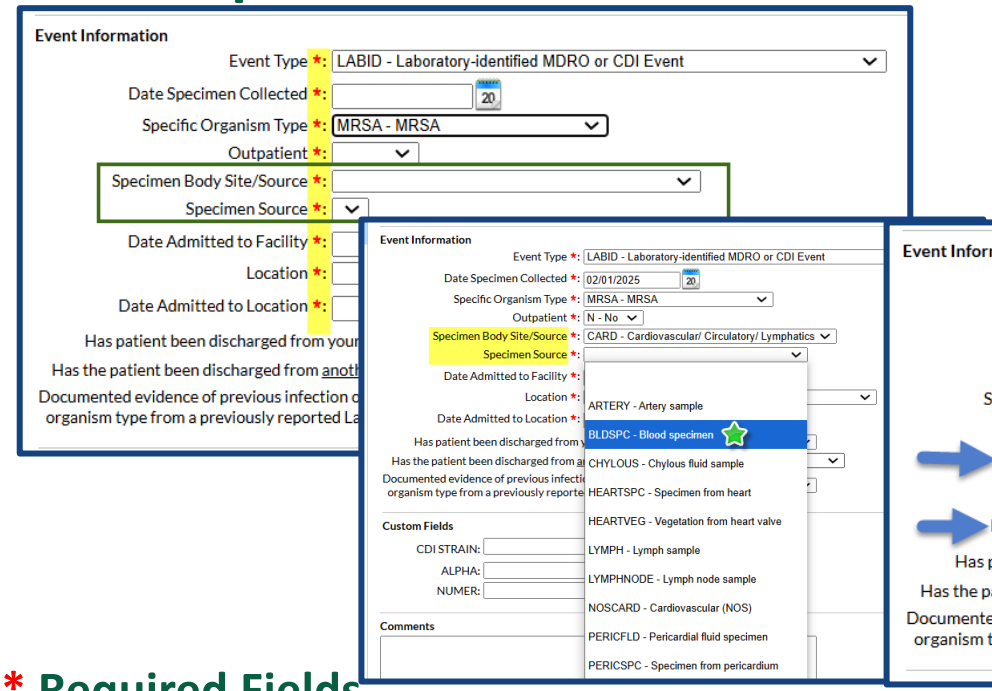
Example: MRSA isolated

- NOTE: Applies to ALL inpatient locations [including locations known to predominately house babies] and Emergency Departments and 24-hour Observation locations.

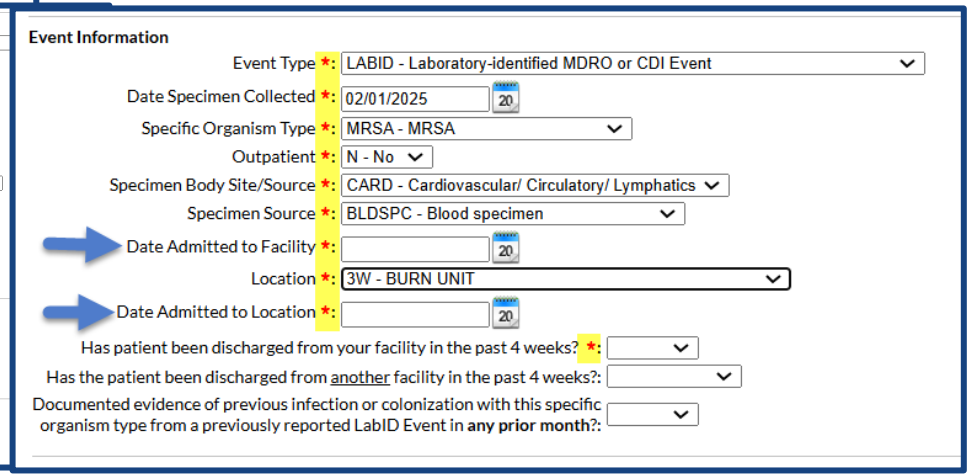
Event Information- Specimens Collected Form

From Outpatient and Inpatient locations.

Outpatient Location



Inpatient Location

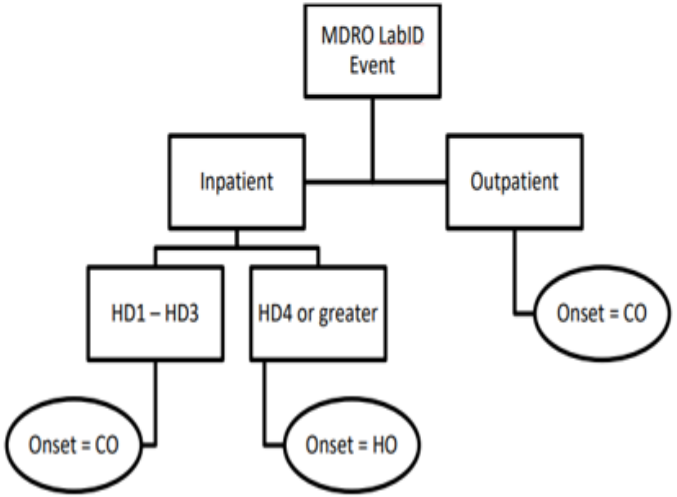


*** Required Fields**

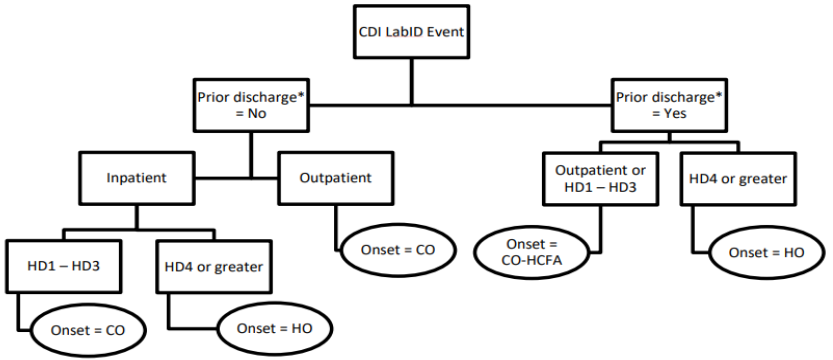
Categorizing LabID Events

Onset

- 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.

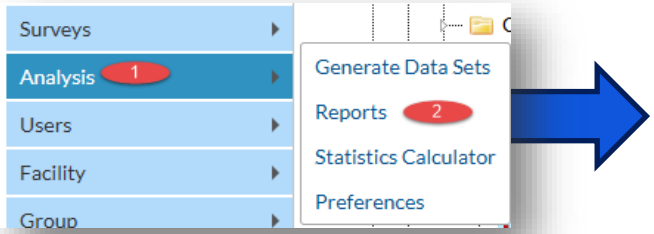


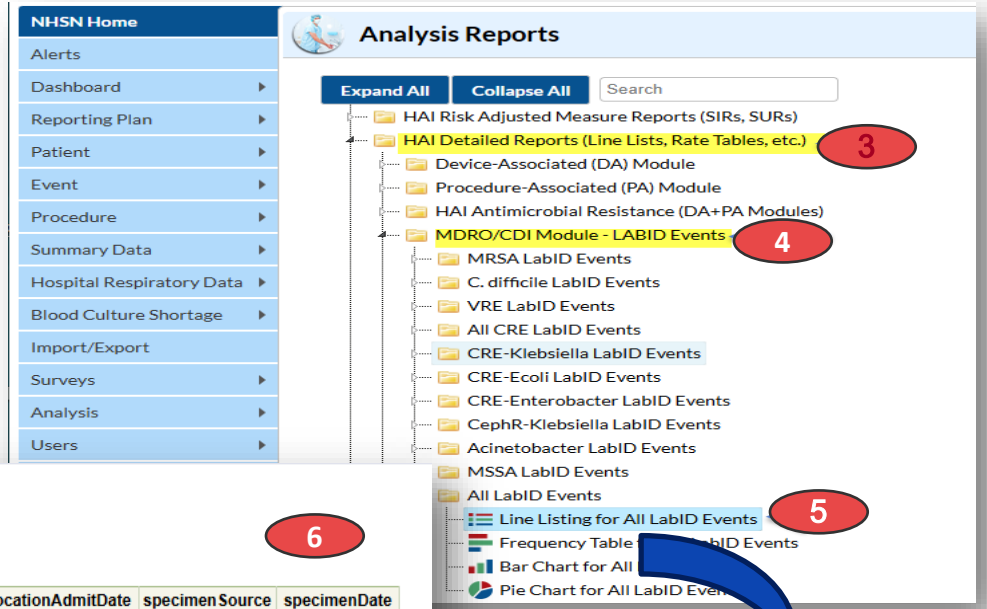
- Community-Onset Healthcare Facility-Associated (CO-HCFA): CO LabID Event collected from an inpatient or an outpatient location from a patient who was discharged from the facility less than or equal to 28 days prior to current date of stool specimen collection. The previous discharge must have been from an inpatient location within the



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

Confirm Onset: Line Listing Reports



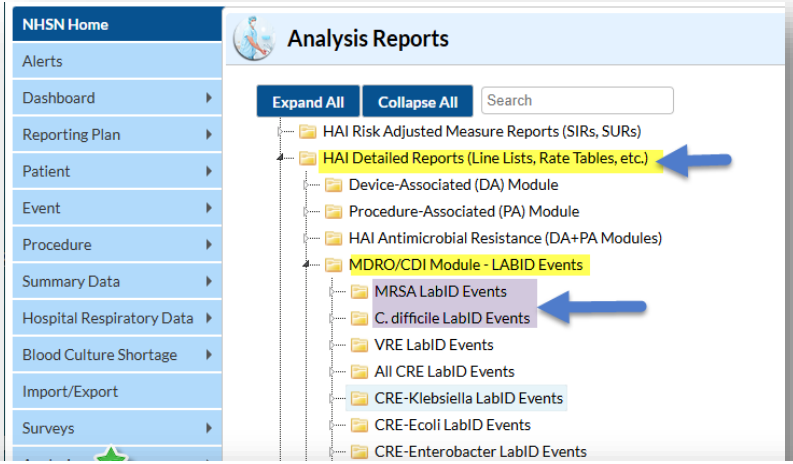


National Healthcare Safety Network
Line Listing - All LabID Events
As of: February 20, 2025 at 6:02 PM UTC
Date Range: LABID_EVENTS admitDate 12/31/2024 to 01/31/2025

6

orgID	patID	eventID	spcOrgType	location	outpatient	prevPos	onset	admitDate	locationAdmitDate	specimenSource	specimenDate
			MRSA		N	N	CO	01/11/2025	01/11/2025	BLDSPC	01/13/2025
			CDIF		N	N	HO	01/18/2025	01/18/2025	STOOL	01/22/2025
			MRSA		N	N	HO	12/31/2024	01/16/2025	BLDSPC	01/19/2025
			MRSA		N	N	HO	01/08/2025	01/14/2025	BLDSPC	01/22/2025
			MRSA		N	N	CO	01/24/2025	01/24/2025	BLDSPC	01/25/2025
			MRSA		N	Y	CO	01/06/2025	01/06/2025	BLDSPC	01/07/2025
			MRSA		N	N	CO	01/11/2025	01/12/2025	BLDSPC	01/13/2025
			MRSA		N	N	CO	01/01/2025	01/01/2025	BLDSPC	01/01/2025
			MRSA		N	N	CO	01/15/2025	01/15/2025	BLDSPC	01/15/2025

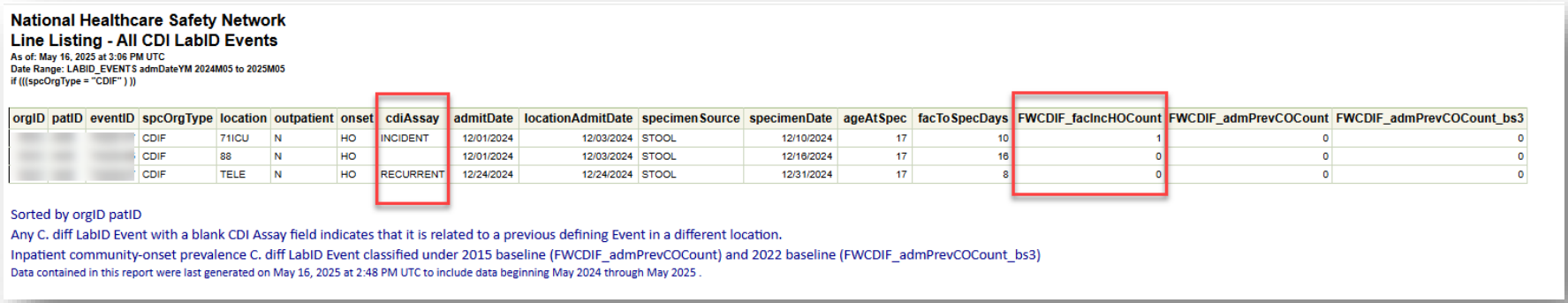
FacWideIN SIR



National Healthcare Safety Network
Line Listing - All MRSA LabID Events
As of: February 20, 2025 at 6:31 PM UTC
Date Range: LABID_EVENTS admDateYQ 2024Q4 to 2024Q4
if (((spcOrgType = "MRSA")))

orgID	patID	eventID	spcOrgType	location	outpatient	onset	admitDate	locationAdmitDate	specimenSource	specimenDate	ageAtSpec	facToSpecDays	FWMRSA_admPrevBldCount	FWMRSA_bldIncCount
			MRSA		N	HO	10/24/2024	10/24/2024	BLDSPC	10/30/2024	69	7	0	1
			MRSA		N	HO	10/15/2024	10/17/2024	BLDSPC	10/19/2024	75	5	0	1
			MRSA		N	CO	12/22/2024	12/22/2024	BLDSPC	12/23/2024	34	2	1	0
			MRSA		N	CO	12/13/2024	12/13/2024	BLDSPC	12/14/2024	32	2	0	0
			MRSA		N	CO	12/13/2024	12/15/2024	BLDSPC	12/15/2024	32	3	0	0
			MRSA		N	CO	11/22/2024	11/22/2024	BLDSPC	11/22/2024	60	1	1	0
			MRSA		N	HO	12/25/2024	12/25/2024	BLDSPC	01/15/2025	79	22	0	1
			MRSA		N	CO	11/26/2024	11/26/2024	BLDSPC	11/27/2024	24	2	1	0
			MRSA		N	HO	12/31/2024	01/16/2025	BLDSPC	01/19/2025	74	20	0	1

CDI LabID Events Categories



National Healthcare Safety Network
Line Listing - All CDI LabID Events
As of: May 16, 2025 at 3:06 PM UTC
Date Range: LABID_EVENTS admDateYM 2024M05 to 2025M05
if (((spcOrgType = "CDIF")))

orgID	patID	eventID	spcOrgType	location	outpatient	onset	cdiAssay	admitDate	locationAdmitDate	specimenSource	specimenDate	ageAtSpec	facToSpecDays	FWCDIF_facIncHOCount	FWCDIF_admPrevCOCount	FWCDIF_admPrevCOCount_bs3
[redacted]			CDIF	71ICU	N	HO	INCIDENT	12/01/2024	12/03/2024	STOOL	12/10/2024	17	10	1	0	0
[redacted]			CDIF	88	N	HO		12/01/2024	12/03/2024	STOOL	12/16/2024	17	16	0	0	0
[redacted]			CDIF	TELE	N	HO	RECURRENT	12/24/2024	12/24/2024	STOOL	12/31/2024	17	8	0	0	0

Sorted by orgID patID
Any C. diff LabID Event with a blank CDI Assay field indicates that it is related to a previous defining Event in a different location.
Inpatient community-onset prevalence C. diff LabID Event classified under 2015 baseline (FWCDIF_admPrevCOCount) and 2022 baseline (FWCDIF_admPrevCOCount_bs3)
Data contained in this report were last generated on May 16, 2025 at 2:48 PM UTC to include data beginning May 2024 through May 2025 .

CDI LabID Events are further categorized by NHSN:

- **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.

Analysis Resources

https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/nhsn-sir-guide.pdf

A comprehensive guide to NHSN's SIR, including risk factors used in the SIR calculations under the 2015 baseline.

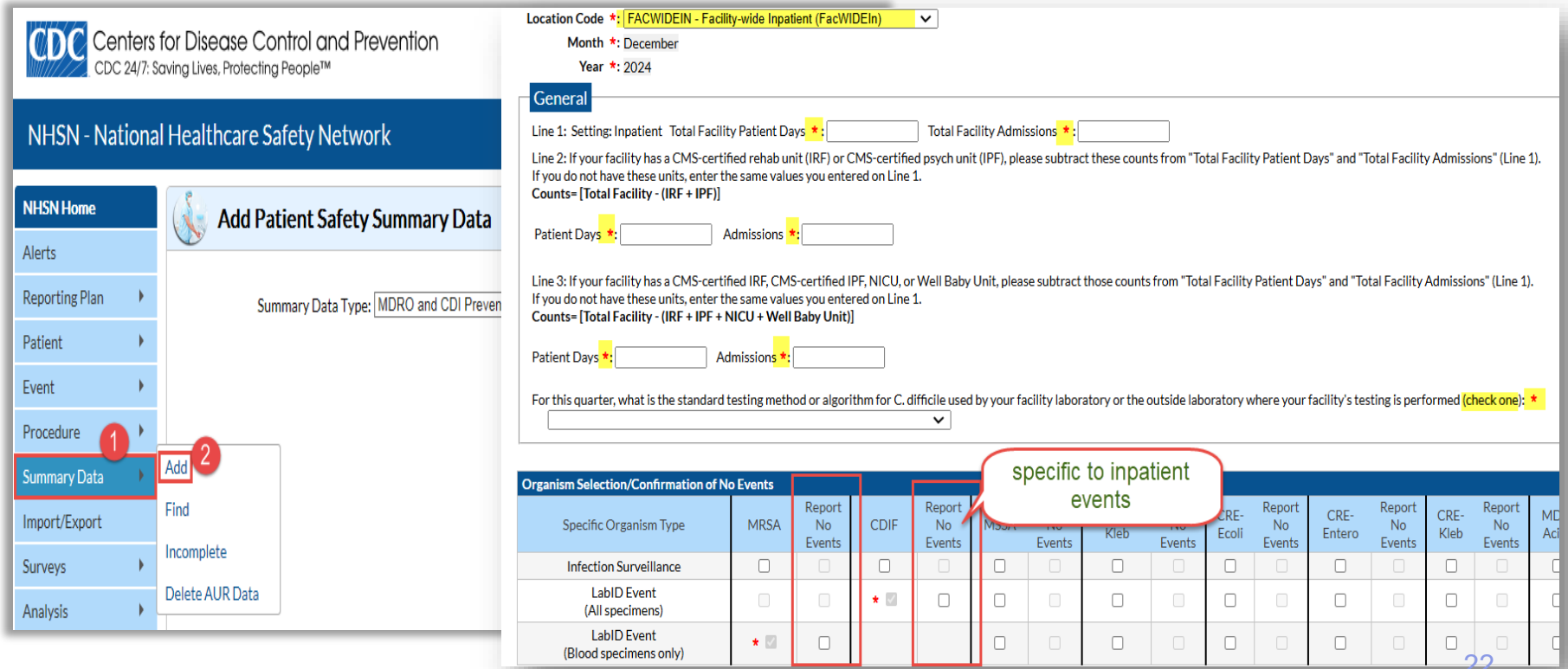
https://www.cdc.gov/nhsn/2022rebaseline/sir-guide.pdf

A comprehensive guide to NHSN's SIR, including risk factors used in the SIR calculations under the 2022 baseline.

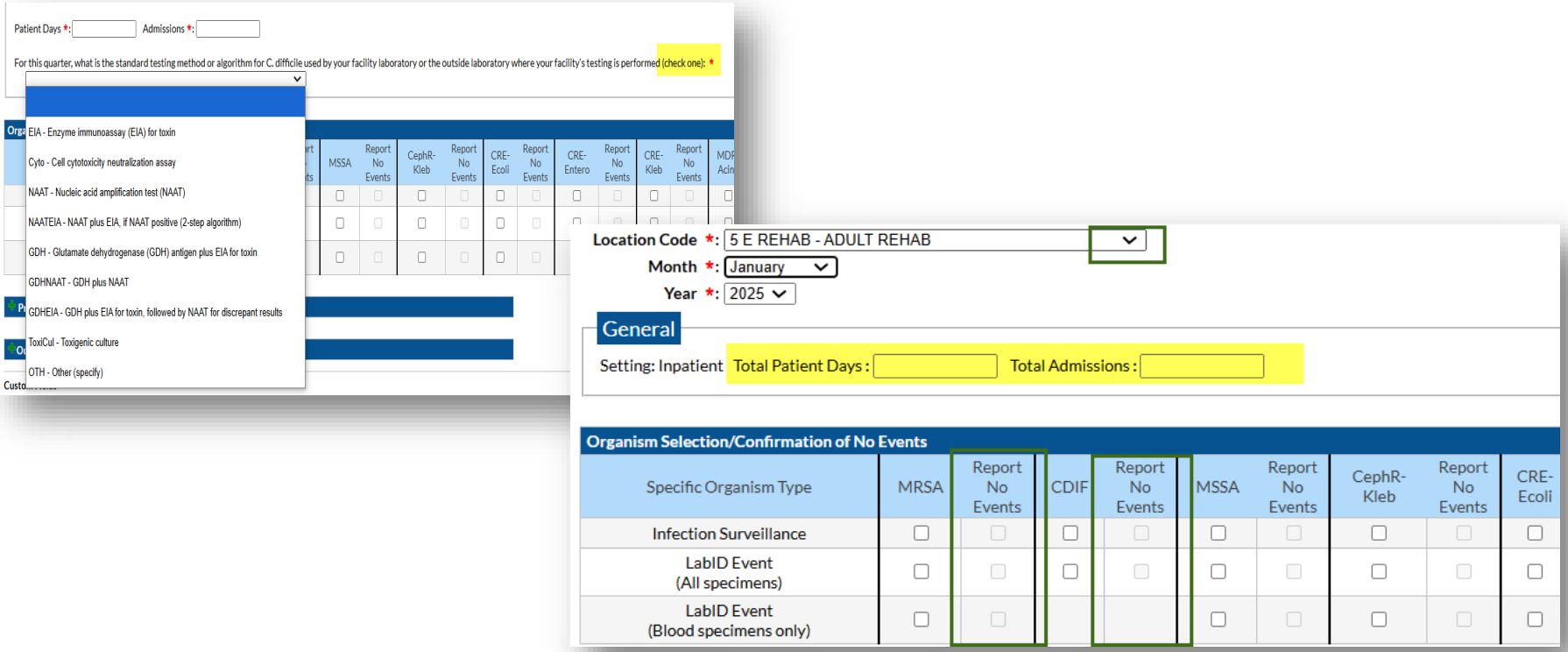
https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/mrsacdi_tips.pdf

Last (not least) Step to Complete Reporting Denominator Data

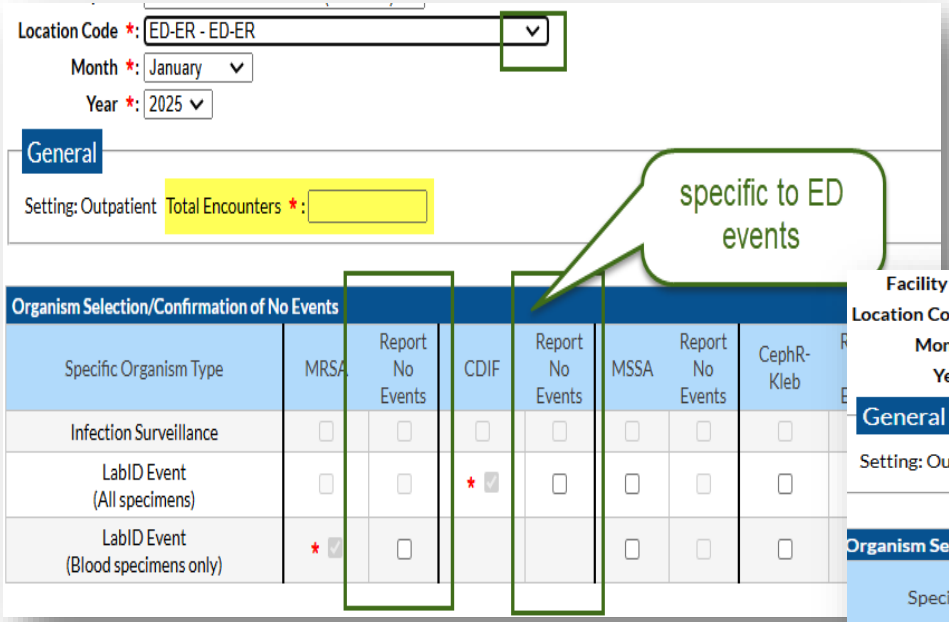
FacWideIN Denominator Summary Data
Specific location (ED, OBS, Rehab, etc.) Summary Data

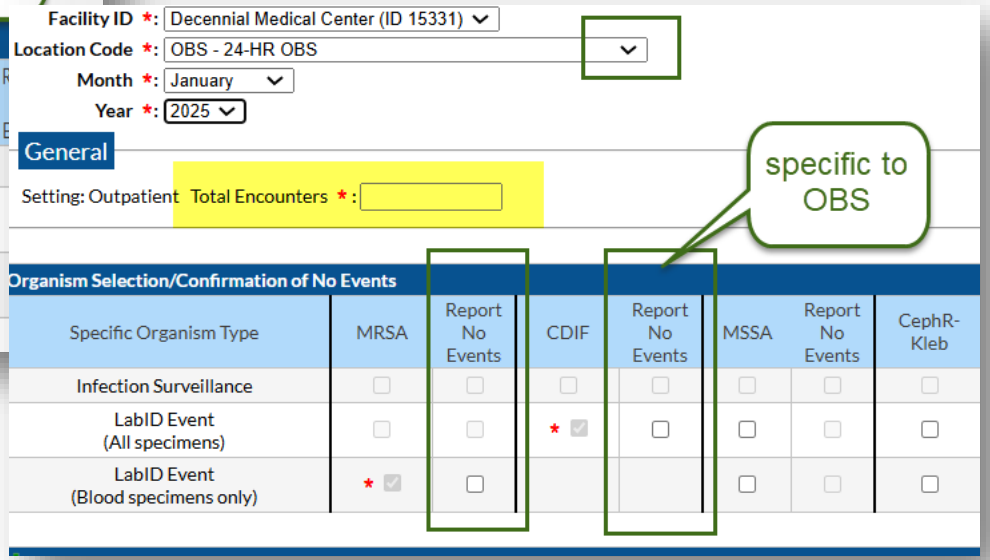


Additional Required Data for FacWideIN Reporting



FacWideIN Specific location (ED, OBS) summary data



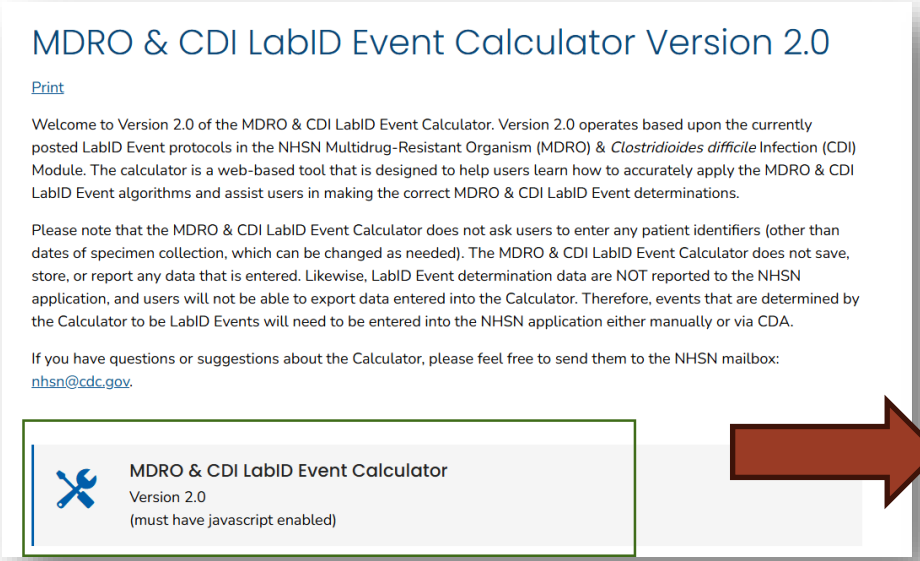


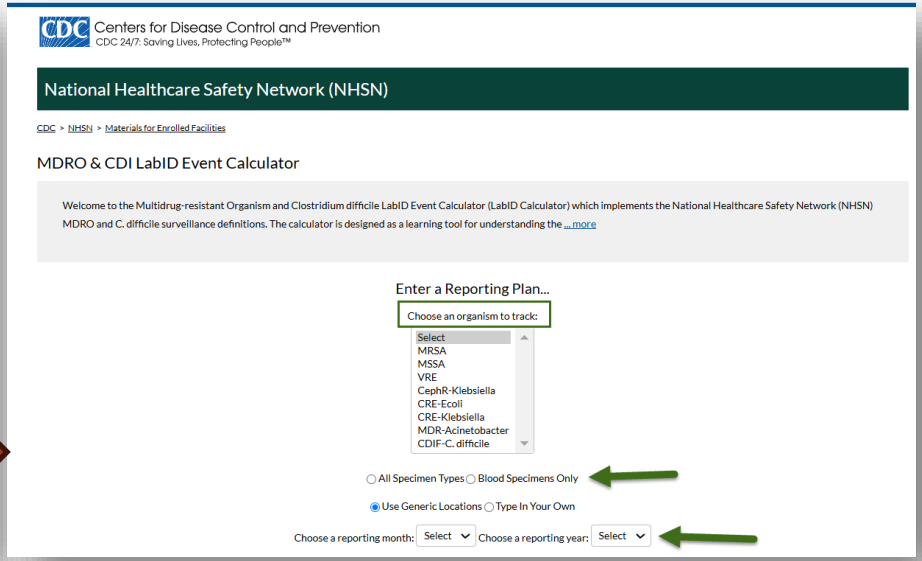
Note: an encounter is defined as any patient visit to an outpatient location.

LabID Event Calculator

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

- Available for use with C. difficile and all MRDOs LabID Event reporting
- Aids in decision making around the 14-day rule (duplicate event timeframe)
- External calculator – works with any browser that has javascript enabled





For NHSN questions or concerns related to the Annual Training

Post questions in the Annual Training Community

After June 10th, please submit questions to the NHSN Help Desk.

- Access new portal at **https://servicedesk.cdc.gov/nhsncsp** .
- If you do not have a SAMS login, or are unable to access ServiceNow, you can still email the NHSN Help Desk at **nhsn@cdc.gov**.

For more information, contact CDC
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348 www.cdc.gov