



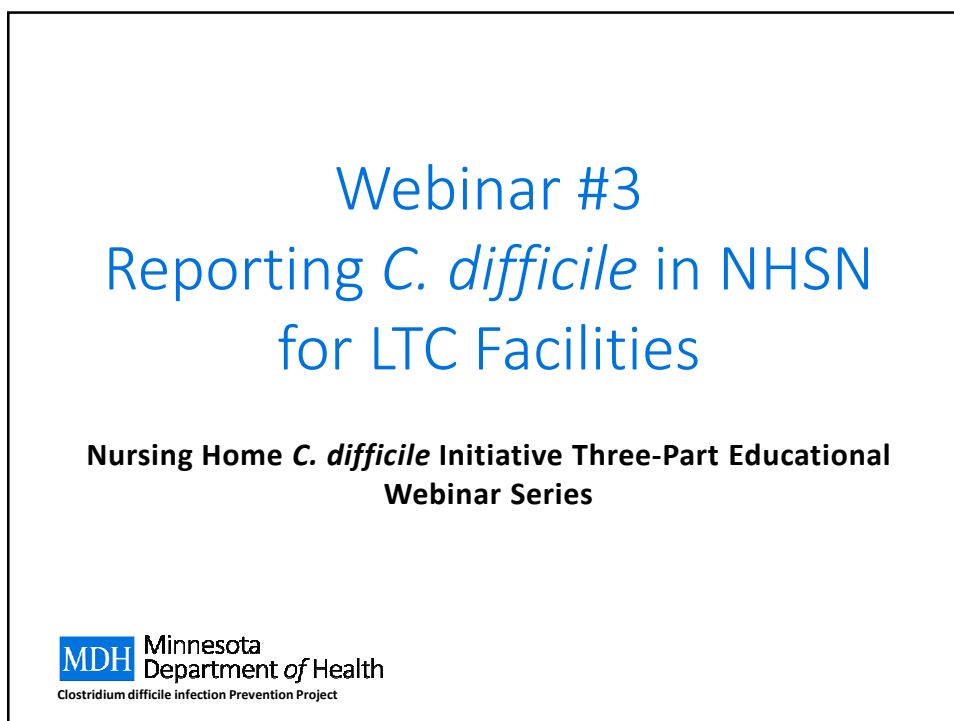
Nursing Home
C. difficile Initiative
Three-Part Educational
Webinar Series

Webinar #3
Reporting *C. difficile* in NHSN
for LTC Facilities

September 21, 2016


 **Quality Improvement Organizations**
Sharing Knowledge. Improving Health Care.
CENTERS FOR MEDICARE & MEDICAID SERVICES

Lake Superior Quality Innovation Network
MICHIGAN | MINNESOTA | WISCONSIN



Webinar #3
Reporting *C. difficile* in NHSN
for LTC Facilities

**Nursing Home *C. difficile* Initiative Three-Part Educational
Webinar Series**

 **MDH Minnesota Department of Health**
Clostridium difficile Infection Prevention Project

What we've covered so far...

- **Webinar 1** - <https://youtu.be/2zrPgi4tkpw>
 - Steps 1 through 3 of the NHSN enrollment process
- **Webinar 2** - <https://youtu.be/ze6LKCHgbOQ>
 - Steps 4 & 5 of the NHSN enrollment process
 - Facility Set Up
 - Joining a Group

Where are you in the NHSN enrollment process?

- **Haven't started**
- **Submitted identity verification**
- **Received SAMS Grid Card**
- **Submitted Facility Contact Form & Annual Facility Survey**
- **Completed enrollment**
- **Joined required groups**
- **Completed facility set up and/or added users**

A note about Joining Groups

NATIONAL HEALTHCARE SAFETY NETWORK (NHSN) GUIDANCE DOCUMENT

Quality Innovation Network-Quality Improvement Organization (QIN-QIO) Nursing Home C. Difficile Reporting and Reduction Using the National Healthcare Safety Network (NHSN)

Joining the Group for Nursing Homes (NH) and Conferring Rights

The QIN/QIO is the Centers for Medicare & Medicaid Services' (CMS) national contractor supporting CMS' contracted QIN-QIO teams across 13 states and territories and the providers they work with on specific quality initiatives. The QIN/QIO is granted rights to nursing home (NH) data via that state and nationally aggregated data can be produced to measure success on C. difficile reduction efforts. You will be provided with detailed information on how to confer rights to your QIN-QIO and to the QIN/QIO.

The QIN/QIO reports only aggregated state and national level data for the purposes of quality improvement. Aggregated data reports may be shared with nursing homes and/or national and state partners working to reduce C. difficile in nursing homes and communities. The QIN/QIO will not share nursing home specific (facility level) results with CMS.

Remember – there are TWO groups with different IDs & passwords:

- National (NCC)
- State Specific

Objectives Today

1. Locate various tools and resources on the NHSN website
2. Reviews long term care facility C. *difficile* data collection forms, protocols and online submission
3. Understand data documentation process through case review examples



NHSN

- **Nation's most widely used HAI tracking system**
- **Surveillance tool → systematic tracking and analysis**
- **Establish benchmarks**
- **Reporting functionality**
- **Available across a number of care settings**
- **Ability to share data**



What is the data used for?

- **National comparison**
- **Establishing Risk Adjustments**
- **Benchmarking**
- **Inform internal quality improvement**
- **Demonstrates trends both for improvements and/or areas of opportunity**
- **Raise awareness and motivate change**



Why monitor CDI in long-term care facilities?

- Residents in long term care facilities are at risk of carrying or acquiring *C. difficile*.
- Infections from *C. difficile* can be more severe, harder to treat, and are associated with increased risk of hospitalization, debility, and death, especially in older adults.

Why monitor CDI in long-term care facilities? (cont.)

- Focused monitoring of *C. difficile* helps to evaluate trends and changes in the occurrence of these pathogens and related infections in the facility over time.
- Tracking these events will also inform infection prevention staff of the impact of targeted prevention efforts.

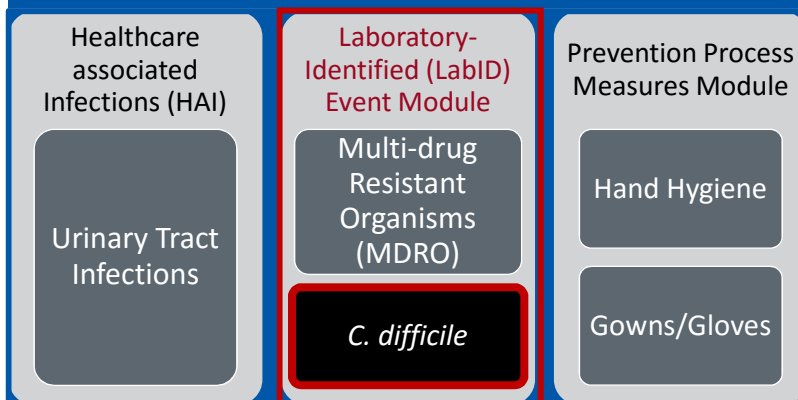
How is NHSN organized?

- NHSN is organized into components.
- Long-term Care Facilities report *C. difficile* in the LTCF component in the Laboratory Identified (Lab-ID) Event Module.

<http://www.cdc.gov/nhsn/pdfs/training/ltc/overview-of-ltcf-component-training.pdf>



Long-term Care Facility Component



What is Laboratory-identified Event Surveillance and Reporting?

- **Standardized case definition allows estimation of healthcare acquisition, infection burden, and exposure burden**
- **LabID Event reporting method is based solely on laboratory data and limited resident admissions/transfer data**

What is Laboratory-identified Event Surveillance and Reporting? (cont.)

- **LabID Event reporting is a proxy measure for *C. difficile* events, exposures and healthcare acquisition**
- **Does not include clinical evaluation of the resident making it less labor intensive method to track *C. difficile***
- **It only includes tests performed on residents while at the facility**

Tools and resources for *C. difficile* surveillance

<http://www.cdc.gov/nhsn/ltc/index.html>

- **Training**
- **Protocols**
- **Forms**
- **Support Materials**
- **Analysis Resources**
- **FAQs**
- **Link to training/Demo**
- **Sign up to receive newsletters**
- **NHSN Help Desk: nhsn@cdc.gov**

MDRO/C.Diff - Surveillance for *C. difficile*, MRSA, and other Drug-resistant Infections



More

e-LEARNING

[Training / Demo](#)



[Newsletters / Member Meeting Updates](#)

Recommended Training

2015

2016

2016

The collage features three slide covers. The top-left cover is for a 2015 session titled 'Long-term Care Facility (LTCF) Component' with sub-points: 'Laboratory-Identified (LID) Clostridium difficile Infection (CDI)', 'Mandatory Reporting Organization (MRO)', and 'Mandatory Reporting Organization (MRO)'. The top-right cover is for a 2016 session titled 'Tracking Infections in Long-term Care Facilities (LTCFs) Using NHSN'. The bottom-center cover is for 'Session 4: C. difficile LabID Event Reporting for Long-term Care Facilities Using NHSN', presented by Angela Anttila, PhD, MBL, NAC, CIC, with a presentation date of 1/29/2016.

<http://www.cdc.gov/nhsn/pdfs/ltc/slides/ltc-labid-event-training.pdf>

<http://www.cdc.gov/nhsn/pdfs/training/2016/ltc-training-anttila.pdf>

<http://www.cdc.gov/nhsn/pdfs/training/ltc/session4-cdi-labid-event-reporting-ltc-participant.pdf>

C. difficile LabID Event Reporting

Use the *C. difficile* Lab ID protocol to identify *C. difficile* LabID events.

Reporting Requirements

- *C. difficile* surveillance is performed facility-wide

LTCF Checklist for CDI Lab ID Event Reporting

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

Definition

C. difficile (CDI) LabID Event

- ***C. difficile* positive laboratory assay, tested on a liquid stool specimen, and collected while a resident is receiving care in the LTCF, and the resident has no prior *C. difficile* positive laboratory assay collected in the previous 14 days while receiving care in the LTCF.**

Lab Specimens to consider

Only consider a sample if-

- **The laboratory sample is collected while a resident at the LTCF**
- **The sample conforms to the shape of the container (only liquid stool samples)**
- **No prior *C. difficile* positive laboratory assay collected in the previous 14 days while receiving care in the LTCF.**

Definition CDI Positive Laboratory assay:

***C. difficile* positive laboratory assay is defined as:**

A positive result for a laboratory test detecting presence of either of the following:

- ***C. difficile* toxin A and/or B, (includes enzyme immunoassays or EIA test).**

OR

- **A toxin-producing *C. difficile* organism detected by culture or other laboratory means performed on a stool sample (e.g., (NAAT) nucleic acid amplification testing by polymerase-chain reaction, or PCR).**

CDI LabID Event : Laboratory Testing

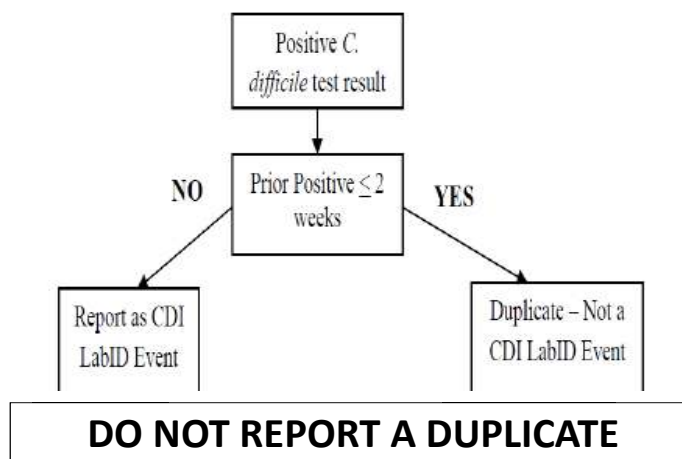
Diagnostic Test	Demonstrates Evidence of Toxigenic Strain		Comments
	YES	NO	
Glutamate dehydrogenase (GDH) antigen		X	Detects antigen in both toxin and non-toxin producing strains
Toxin enzyme immunoassay (EIA)	X		<ul style="list-style-type: none"> • <i>C. difficile</i> toxin A and/or B • GDH plus EIA for toxin (2-step algorithm)
Nucleic acid amplification test [NAAT] (e.g., PCR, LAMP)	X		<ul style="list-style-type: none"> • <i>C. difficile</i> toxin B gene • GDH plus NAAT (2-step algorithm) • GDH plus EIA for toxin, followed by NAAT for discrepant results
Cell cytotoxicity neutralization assay (CCNA)	X		<ul style="list-style-type: none"> • Requires tissue culture
Toxigenic (cytotoxic) <i>C. difficile</i> culture	X*		*Requires use of second test for toxin detection

Identification of Reportable *C. difficile* Positive Assay

Any *C. difficile* positive laboratory test from the same resident following a previous *C. difficile* positive test within 14 days **while in the facility** is a duplicate.

DO NOT REPORT A DUPLICATE

C. Difficile LabID Events



Track *C. difficile* test results

Keep a log of all the positive *C. difficile* tests for each resident your facility so you can track duplicate results to ensure they are not incorrectly entered as CDI LabID Events

Date of Positive <i>C. difficile</i> lab test for a resident	Duplicate?	Enter as a CDI LabID Event?
9/3/2016	No	Yes
9/12/2016	Yes	No (within 2 weeks of the most recent positive test)
9/20/2016	Yes	No (within 2 weeks of the most recent positive test)
9/28/2016	Yes	No (within 2 weeks of the most recent positive test)
11/1/2016	No	Yes

The Numerator:

Laboratory-identified Event Form (CDC 56.138)

- Use a separate form for each *C. difficile* event that meets the LabID Event definition.

Do not fill this out if the positive test result is a duplicate

Instructions for completing form:
<http://www.cdc.gov/nhsn/forms/instr/5.7.138-toi-for-lab-id-event.pdf>

The form is titled "Laboratory-identified MDRD or CDI Event for LTCF". It contains several sections:

- Facility Information:** Facility ID, Resident ID, Resident Name, Last Name, First Name, Date of Birth, Sex, Race, Ethnicity, and Blood Type.
- Resident Information:** Resident ID, Date of Admission to Facility, Date of Discharge from Facility, and Date of Admission to Long Term Care Facility.
- Event Details:** Event Type, Date of Onset, Date of Discharge, and Date of Reporting.
- Event Classification:** Checkboxes for "Is this event a duplicate of another event?" and "Is this event a duplicate of another event from your facility?".
- Event Description:** A section for describing the event, including the type of organism and the type of specimen.

<http://www.cdc.gov/nhsn/ltc/cdiff-mrsa/index.html>

Entering LabID Events into NHSN

Log into NHSN to Enter a LabID Event

1. Log in the SAMS Portal access to NHSN
<https://sams.cod.gov>
2. Select the NHSN Reporting link on the welcome page
3. On the NHSN Landing Page select the facility and LTCF as the component and click on submit

Welcome to the NHSN Landing Page

Select a component and facility,
then click Submit to go to the Home Page.

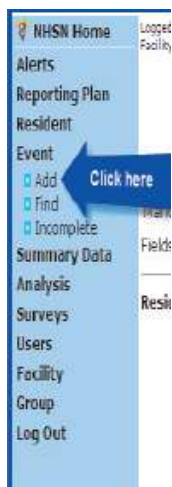
User: LTC101

Select component: Long Term Care Facility

Select facility/group from dropdown list: Fac: Sunny Acres Skilled Nursing Facility (ID 10391)

  [Get Adobe Acrobat](#) [E_files](#)

NHSN Long Term Care Facility Component Home Page



Add Event
 On the blue navigation window select **Event** and **Add**.

Add Resident Information

Add Event

Mandatory fields marked with *
 Fields required for record completion marked with **

Resident Information

Facility ID*: Sunny Acres Skilled Nursing Facility (0116281) ▼

Resident ID*: Find

Social Security #*:

Medicare number (or comparable railroad insurance number):

Last Name: First Name:

Middle Name:

Gender*: Date of Birth*:

Ethnicity:

Race: American Indian/Alaska Native Asian
 Black or African American Native Hawaiian/Other Pacific Islander
 White

Resident type*:

Date of First admission to Facility*:

Date of Current admission to Facility*:


Required Resident Information


- Resident ID-Assign a unique ID for each resident with a positive LabID Event reported. Should remain the same for all visits and admissions
- Resident type:
 - Short-stay: Resident has been in facility for ≤ 100 days from date of first admission
 - Long-stay: Resident has been in facility for > 100 days from date of first admission

NHSN Long-term Care Facility Component Table of Instructions
<http://www.cdc.gov/nhsn/forms/instr/57.138-toi-for-lab-id-event.pdf>

Date of First Admission to Facility defined



- Resident first entered the facility, even if the resident leaves the facility for short periods (<30 consecutive days)
- Resident leaves the facility and is away for > 30 consecutive days, update to the date of return to the facility.

Resident type*:
 Date of First Admission to Facility*: 

Date of Current Admission to Facility*: 

Date of Current Admission:

- **Most recent date the resident entered the facility. If the resident has never left, the date current admission will be the same as the data of first admission.**
- **If the resident leaves the facility for > 2 calendar days (the day the resident left the facility = day 1) and returns, the date of current admission should be updated to the date of return.**

Resident type*: 
Date of First Admission to Facility*: 

Date of Current Admission to Facility*: 



What if the resident leaves the facility for 10 calendar days and returns?

1. Should the Date of First Admission remain the same?
2. Should the Current Date of admission remain the same?



What if the resident leaves the facility for 10 calendar days and returns?

1. The date of First Admission should remain the same as it was before the patient was discharged from the LTCF.
2. The date of Current Date of admission should be updated to the date of return to the facility.

Enter *C. difficile* Event Information

Event Information [HELP](#)

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

In the Event Type drop down choose LABID- Laboratory-identified MDRO or CDI Event. The event information window will open

Event Information [HELP](#)

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

Date Specimen Collected*: 

Specific Organism Type*: ▼

Specimen Body Site/System*: ▼

Specimen Source*: ▼

Resident Care Location*: ▼

Primary Resident Service Type*: ▼

Has resident been transferred from an acute care facility in the past 3 months*? ▼

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

Enter *C. difficile* Event Information

Event Information

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

Date Specimen Collected: 09/10/2016

Specific Organism Type: CDF - *C. difficile*

Specimen Body Site/System: DIGEST - Digestive System

Specimen Source: STOOL - Stool specimen

Resident Care Location: A GEN - GENERAL UNIT

Primary Resident Service Type: GENNUR - Long-term general nursing

Has resident been transferred from an acute care facility in the past 4 weeks?

If Yes, date of last transfer from acute care to your facility: 09/01/2016

If Yes, was the resident on antibiotic therapy for this specific organism?

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

Enter the date the specimen was collected

Specific Organism Type: **CDF-C. difficile**

Specimen Body Site/System: **DIGEST-Digestive System**

Specimen Source: **STOOL specimen**

Resident Location and Services

- Resident Care location: location where the resident was residing on the date the specimen was collected.

Resident Care Location:

Primary Resident Service Type:

Has resident been transferred from acute care 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?

BARIA - BARIATRIC UNIT

DEMEN - DEMENTIA UNIT

GEN - GENERAL NURSING

HOSP - INPATIENT HOSPICE

PSY - PSYCHIATRIC UNIT

SKN - SKILLED NURSING

VENT - VENT UNIT

- Primary Service type: Select the service that best represents the type of care the resident is receiving on the date the specimen was collected:

Primary Resident Service Type:

Has resident been transferred from acute care 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?

BARIA - Bariatric

HOSP - Hospice/Palliative

DEMENT - Long-term dementia

GENNUR - Long-term general nursing

PSYCH - Long-term psychiatric

SKNUR - Skilled nursing/short term rehab

VENT - Ventilator

Resident Location and Services

Resident transfer:

- If the resident has been an inpatient of an acute care facility (Hospital, Long-term acute care hospital, or acute inpatient rehabilitation facility) and was directly admitted to facility in the past four weeks select “Yes”, otherwise select “No”.
 - A. If resident has transferred indicate the date of transfer from the acute care facility to your facility
 - B. If resident transferred indicate if the resident was on antibiotic therapy for *C. difficile* at the time of transfer
 - C. *Optional: Document evidence of previous infection with C. difficile from a previously reported LabID Event*

Custom Fields and Comments

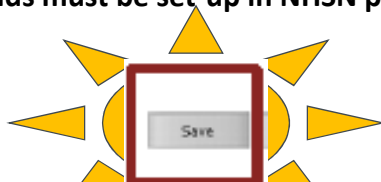


Custom Fields [Help](#)

Comments [Help](#)

Save Back

- Optional fields can customize data collected and submitted
- Create fields that capture text or numeric data
- Custom fields must be set-up in NHSN prior to use



LTCF Checklist for CDI LabID Event Reporting

- ✓ Map LTCF locations in NHSN
- ✓ Review Monthly Reporting Plan (MRP) and update if needed
- ✓ 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 (Summary) Data

- **Denominators for LTCF Form (CDC 57.142)** One form for the entire month to collect both LabID event and UTI denominator data
- **Monthly totals** will be entered into the NHSN application
- Electronic version:
http://www.cdc.gov/nhsn/PDFs/LTC/forms/57.142_DenominatorLTCF_BLANK.pdf
- Table of Instructions-LTCF Component Denominators
<http://www.cdc.gov/nhsn/forms/instr/57.142-toi-denominators-ltcf.pdf>

Denominator Form for LTCF (CDC57.142)

NHSN
National Healthcare Safety Network

Form Approved
OMB No. 0925-0046
Exp. Date: 12/31/2016
www.hhs.gov/nhsn

Denominators for LTCF

Page 1 of 1

Facility ID	Location Code	Month	Year	Period for which	
Date	Number of residents	Number of residents with a UTI indication	New antibiotic starts for UTI indication	Number of admissions	Number of admissions on C. diff treatment
1					
2					
3					
4					
5					
6					
7					
...					
31					
Resident-days		Total the daily counts for the month		Resident-admissions	Resident-admissions on C. diff treatment
Date					

Use one form for the entire month. For *C. difficile* reporting, report the Total Resident days, Resident admissions and Resident admissions on *C. difficile* treatment. Monthly totals will be entered into NHSN

Enter Summary Data into NHSN

NHSN Home

Reporting Plan

Resident

Event

Summary Data

ADD

Find

Templates

Analysis

Summary

Home

Facility

Group

Add Monthly Summary Data

Facility ID: Argyle LTC Facility ID

Month: March

Year: 2016

Locate 'Summary Data' on Blue left-hand navigation Bar, and then 'Add'

- Enter the Facility ID, month, and year for which denominator data will be reported

Adding Summary Data

Denominators for Long Term Care Locations

Location Code	Total Resident Days
Facility-wide Inpatient (FacWIDEIn)	<input type="text"/>

MDRO & CDI LabID Event Reporting

Location Code	Resident Admissions:
Facility-wide Inpatient (FacWIDEIn)	<input type="text"/>
	Resident Days: <input type="text"/>
	Number of Admissions on C. diff Treatment: <input type="text"/>

Prevention Process Measures

Location Code	Hand Hyg Performed
	<input type="text"/>

- Enter the monthly totals from the denominator form
- Resident-days
- Resident admissions
- Residents admitted on C. difficile treatment.

Adding Summary Data

MDRO & CDI LabID Event Reporting

Location Code	NBA	VE	Cypho Gastro	CDI E.coli	CDI Enterobac	CDI Gleason	CDI C. difficile	MDR resistant
Facility-wide Inpatient (FacWIDEIn)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>
	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>

- A check box will appear for each in-plan organism for the month. Check *C. difficile*.

Adding Summary Data

NHSD & CDI LabID Event Reporting

Location Code	NDA	VTE	Cyber Abuse	CDI Event	CDI Epidemiology	CDI Keynote	C. difficile	MRP Abstract
Resident Admissions: 70								
Resident Days: 750								
Facility-wide Inpatient Facility								
Number of Admissions on C. diff Treatment: 5								

LabID Event (All Specimens)

Report No Events

Save

If you do not have any *C. difficile* events to report check this box

Don't forget to **SAVE IT!!!!**

LTCF Checklist for CDI LabID Event Reporting

- ✓ Map LTCF locations in NHSN
- ✓ Review Monthly Reporting Plan (MRP) and update if needed
- ✓ Identify and enter all *C. difficile* Lab ID events into NHSN by location
- ✓ Enter denominator data for each month under surveillance
 - ☐ Resolve "Alerts", if applicable

Resolve Alerts

- Facilities must resolve Alerts before data is considered complete
- Alerts are displayed on the NHSN Long Term Care Facility Component Home Page

NHSN Long Term Care Facility Component Home Page

Use the Navigation bar on the left to access the features of the application.



Resolving Alerts

The screenshot shows the full NHSN Long Term Care Facility Component Home Page. On the left is a navigation bar with the following items: NHSN Home, Alerts, Reporting Plan, Resident, Event, Summary Data, Analysis, Surveys, Users, Facility, Group, and Log Out. The main content area has the title "NHSN Long Term Care Facility Component Home Page" and the instruction "Use the Navigation bar on the left to access the features of the application." Below this is a section titled "Action Items" with a blue header. It states "You must complete these items." followed by a list of items:

- You have 1 missing events
- You have 2 incomplete events
- You have 1 missing summaries
- You have 2 incomplete summaries

A red-bordered callout box with a white background and black text points to the underlined number "1" in the "missing summaries" item. The text in the callout box reads: "Click blue/underlined hyperlink to see incomplete summaries".

Resolve Alerts

The most common reason for alerts when reporting in the LabID Event module are:

- missing summary data for the month
- incomplete summary data when no CDI LabID Events were identified during the month “Report No Events”

Example No LabID Events to Report

Works
Reporting Plan
Incident
Event
Summary Data
Analysis
Surveys
Tools
Facility
Group
Log Out

Incomplete/Missing Lists

Missing Events Incomplete Events Missing Summary Data **Incomplete Summary Data**

Print this report
Resets All

First | Previous | Next | Last Displaying 2 of 2

Summary ID	Summary Data Type	Year	Month
101	LC Denominators	2015	7
102	MRSA and CDI Reporting	2015	7

First | Previous | Next | Last 2 of 2

Click hyperlink to access the incomplete denominator page for July 2015

If no CDI LabID Events were identified for the month, and this box is not checked the facility data will be considered as incomplete

MRP & CDI LabID Event Reporting

Location Code	MRSA	VRE	Cyath. Gloecia	CDI Eval	CDI Enterobacte	CDI Klebsella	C. difficile	MRSA Admissions
Resident Admissions: 10								
Resident Cases: 150								
Facility-wide Inpatient Facility M								
LabID Event (All specimens) Report No Events	<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"/>
Number of Admissions on C. diff Treatment: 5								

LTCF Checklist for CDI LabID Event Reporting

- ✓ Map LTCF locations in NHSN
- ✓ Review Monthly Reporting Plan (MRP) and update if needed
- ✓ Identify and enter all *C. difficile* Lab ID events into NHSN by location
- ✓ Enter denominator data for each month under surveillance
- ✓ Resolve "Alerts", if applicable

NHSN LabID Event Categorization

LabID Event Categorization

- **NHSN will categorize CDI LabID Events based on current specimen date and prior specimen collection date of a previous CDI LabID Event entered into NHSN**
 - **Incident CDI LabID Event**
 - **Recurrent CDI LabID Event**

****Remember, duplicate *C. difficile* positive laboratory tests for a resident should NOT be entered as LabID events**

Incident CDI Lab ID Event

- **Any CDI LabID Event from a specimen collected >8 weeks after the most recent CDI LabID Event entered into the NHSN application or the first LabID Event ever entered for the resident while in the facility**

Recurrent CDI Lab ID Event

- **Any LabID Event entered >2 weeks and <8 weeks after the most recent LabID Event reported for an individual resident in the facility**

Let's Practice

Resident ID	Current Admit Date	CDI Event Date	Organism	Categorization
1234	03/01/2015	03/06/2015	CDI	Incident
1234	03/01/2015	04/08/2015	CDI	Recurrent
1234	05/10/2015	05/14/2015	CDI	Recurrent
1234	05/10/2015	08/10/2015	CDI	Incident
1234	05/10/2015	11/21/2015	CDI	Incident

LabID Event Categorization (cont.)

- NHSN will further categorize CDI LabID Events based on date of **current admission** to the facility and date of specimen collection
 - Community-onset (CO) Lab ID Event
 - Long-term Care Facility-onset (LO) LabID Event

Community-onset (CO) Lab ID Event

- **Date specimen collected ≤ 3 calendar days after current admission to the facility (i.e., days 1, 2, or 3 of admission)**

Long-term Care Facility-onset (LO) Lab ID Event

- **Date specimen collected > 3 calendar days after current admission to the facility (i.e., on or after day 4)**
- **LO events are further sub-classified:**
 - **Acute Care Transfer-Long-term Care Facility-onset (ACT-LO):**
LTCF-onset (LO) Lab ID Event with specimen collection date ≤ 4 weeks following date of last transfer from an Acute Care Facility (hospital, long-term acute care hospital, or acute care inpatient rehabilitation facility only)

Case Study

Case Study-Practice Is this a CDI LabID Event?

- **On April 1, 2015, Mrs. G, a resident in your facility, had several episodes of diarrhea. The doctor was called and a stool sample was ordered for *C. difficile* testing. The resident does not have a history of *C. difficile* while in your facility, and she does not have a recent history of being in another facility.**
- **The next day, on April 2, a loose stool sample was collected and sent to the lab. The result came back positive for *C. difficile* Toxin A**

Is this a CDI LabID Event?

Case Study (Cont.)

Answer: YES

- **A *C. difficile* positive laboratory assay obtained while a resident is receiving care in the LTCF and the resident has no prior *C. difficile* positive laboratory assay collected in the previous 14 days while in the facility.**
- **Also referred to as non-duplicate LabID Events**

Case Study (Cont.)

What is the CDI Event Date?

1. **April 1st since this was the date the diarrhea started**
2. **April 2nd since this was the date the specimen was collected.**

Case Study (Cont.)

What is the CDI Event Date?

1. April 1st since this was the date the diarrhea started
- ★ 2. April 2nd since this was the date the specimen was collected.

Event Date=the date the specimen was collected


Case Study (Cont.)

The resident has been in your facility for more than 3 calendar days and has not transferred from an acute care facility in the previous 4 weeks, how will the NHSN application categorize this CDI LabID Event?

- A. Community-onset (CO)
- B. Long-term Care Facility-onset (LO)
- C. Acute Care Transfer-Long-term Care Facility-onset (ACT-LO)

Case Study (Cont.)

The resident has been in your facility for more than 3 calendar days and has not transferred from an acute care facility in the previous 4 weeks, how will the NHSN application categorize this CDI LabID Event?

- A. Community-onset (CO)
-  B. Long-term Care Facility-onset (LO)
- C. Acute Care Transfer-Long-term Care Facility-onset (ACT-LO)

Community-onset (CO) LabID Event:

Date specimen collected \leq 3 calendar days after current admission to the facility (i.e., days 1, 2, or 3 of admission)

Long-term Care Facility-onset (LO) LabID Event:

Date specimen collected $>$ 3 calendar days after current admission to the facility (i.e., on or after day 4)


Case Study (Cont.)

Case continued: What if the resident had spent time in an acute care hospital the previous week; how will the NHSN application categorize this CDI LabID Event?

- A. Community-onset (CO) LabID Event
- B. Long-term Care Facility-onset (LO) LabID Event
- C. Acute Care Transfer-Long-term Care Facility-onset (ACT-LO)

Case Study (Cont.)

Case continued: What if the resident had spent time in an acute care hospital the previous week; how will the NHSN application categorize this CDI LabID Event?

- A. Community-onset (CO) LabID Event
- B. Long-term Care Facility-onset (LO) LabID Event
-  C. Acute Care Transfer-Long-term Care Facility-onset (ACT-LO)

Acute Care Transfer-Long-term Care Facility-onset (ACT-LO):
LTCF-onset (LO) LabID event with specimen collection date \leq 4 weeks following date of last transfer from an Acute Care Facility (hospital, long-term acute care hospital, or acute inpatient rehabilitation facility only)

Case Study (Cont.)

Since the resident does not have a prior CDI Lab ID Event, how will it be categorized by NHSN?

1. Incident
2. Recurrent
3. Duplicate

Case Study (Cont.)

Since the resident does not have a prior CDI Lab ID Event, how will it be categorized by NHSN?

1.  Incident
2. Recurrent
3. Duplicate

Incident CDI LabID Event definition: Any CDI LabID Event from a specimen collected >8 weeks after the most recent CDI LabID Event entered into the NHSN application or the first LabID Event ever entered for the resident while in the facility

Homework

If you haven't already...

Complete steps 4-5 of the enrollment process.

- Step 4: Submit the NHSN Long-Term Care Annual Facility Survey and the Facility Contact information
- Step 5: Submit consent forms that have been signed by the facility's leadership

Set up NHSN for reporting

- Join the two groups associated with this initiative, following the instructions provided by your state QIN contact
- Add others who will be using NHSN in your facility
- Set up LTCF locations in the NHSN application
- Set up NHSN Monthly Reporting Plans for your facility

Homework For Everybody

- **Establish a process for determining resident-days, resident-admissions and resident admissions on *C. diff* treatment using NHSN Denominators for LTCF form**
http://www.cdc.gov/nhsn/forms/57.142_denominatorltcf_blank.pdf
- **Familiarize with NHSN LabID Event Form**
http://www.cdc.gov/nhsn/forms/57.138_labidevent_ltcf_blank.pdf

Next Steps Virtual Learning Labs

- Two offerings each month
- Walk through data collection, submission and confirming receipt of data
- Opportunity to ask questions
- Review case studies
- More info to come!

NHSN Support

- **NHSN Helpdesk at nhsn@cdc.gov**
- **SAMS Help desk samshelp@cdc.gov
or 877-681-2901**

State Specific Contacts

- **Michigan**
 - Kathleen Lavich – klavich@mpro.org
 - Annett Simon – asimon@mpro.org
- **Minnesota**
 - Sarah Brinkman – sbrinkman@stratishealth.org
 - Janet Lilleberg – janet.lilleberg@state.mn.us
- **Wisconsin**
 - Diane Dohm – ddohm@metastar.com
 - Emily Nelson – enelson@metastar.com



Quality Improvement Organizations
Sharing Knowledge. Improving Health Care.
CENTERS FOR MEDICARE & MEDICAID SERVICES



Lake Superior Quality Innovation Network
MICHIGAN | MINNESOTA | WISCONSIN



This material was prepared by the Lake Superior Quality Innovation Network, under contract with the Centers for Medicare & Medicaid Services (CMS), an agency of the U.S. Department of Health and Human Services. The materials do not necessarily reflect CMS policy.
11SOW-MN-C2-16-163 091916