

# C. diff Reporting & Reduction: National Healthcare Safety Network (NHSN) Enrollment



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Presented by:

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# Marilee Johnson

## TECH ADVISOR, INFECTION PREVENTION

Marilee Johnson graduated from the University of North Carolina at Chapel Hill with a B.S. in Medical Technology, completed her Board of Certification, MT(ASCP) and began her career in the clinical microbiology laboratory. After completing her MBA at Meredith College, she joined the Infection Prevention Team at WakeMed Health & Hospitals as a public health epidemiologist. She continued her work at the NC Division of Public Health by facilitating the NC One & Only Campaign and Antibiotic Stewardship Programs. Most recently, she was a technical advisor with Alliant Quality, providing education and infection prevention training to over 115 nursing homes in North Carolina & Georgia. Marilee has completed training in Infection Prevention through NC SPICE (North Carolina Statewide Program in Infection Control & Epidemiology) and the CDC's Nursing Home Infection Preventionist Training Course. She is also a member of the Association of Professionals in Infection Control & Epidemiology (APIC).

***"I cannot do all the good that the world needs. But the world needs all the good I can do." ~Jana Stanfield***



**Contact:**

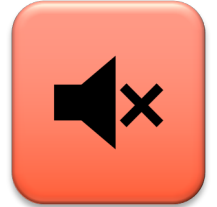
**[Marilee.Johnson@AlliantQuality.org](mailto:Marilee.Johnson@AlliantQuality.org)**

# Objectives

- By the end of this session, you will be able to:
  - Define National Healthcare Safety Network (NHSN)
  - Give rationale for *C. diff* infection (CDI) surveillance in NHSN
  - Know the steps & timeline to enroll your facility in NHSN
  - Understand steps to obtain a SAMS (Secure Access Management System) Grid Card

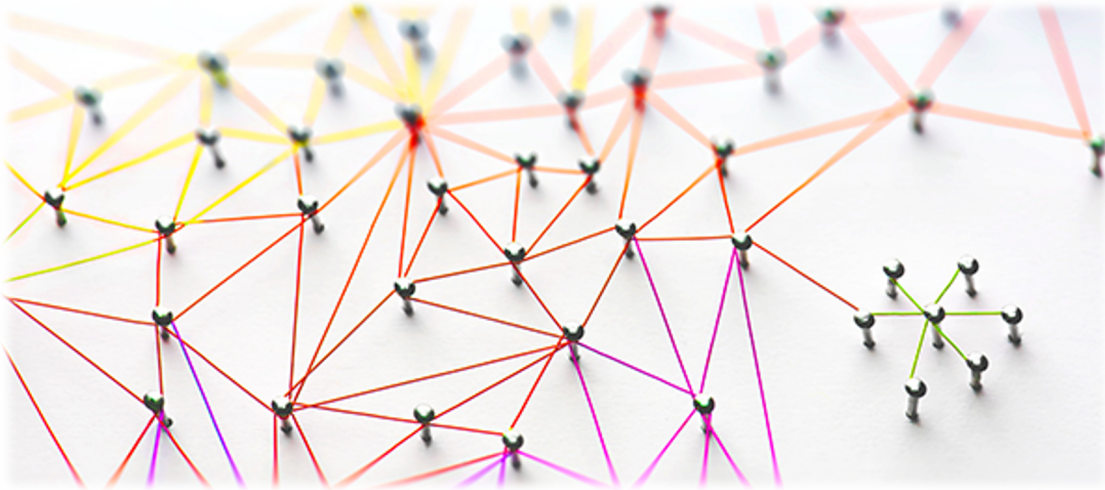
# Ground Rules

- All lines are muted, so please ask your questions in chat
- Be present and actively participate





# Personal Connections



- What state are you from?
- What is your position/title?
- Are you already reporting data into NHSN?

## CMS Aims

### Behavioral Health Outcomes and Opioid Misuse



- Promote opioid best practices
- Decrease high dose opioid prescribing and opioid adverse events in all settings
- Increase access to behavioral health services

### Patient Safety



- Reduce risky medication combinations
- Reduce adverse drug events
- Reduce C. difficile in all settings

### Chronic Disease Self-Management



- Increase performance on ABCS clinical quality measures (i.e. aspirin use, blood pressure control, cholesterol management, cardiac rehab)
- Smoking cessation
- Identify patients at high-risk for developing kidney disease and improve outcomes
- Identify patients at high risk for diabetes –related complications and improve outcomes

### Quality of Care Transitions



- Convene community coalitions
- Identify and promote optimal care for superutilizers
- Reduce community-based adverse drug events

### Nursing Home Quality



- Improve the mean total quality score
- Develop national baselines for healthcare related infections in nursing homes
- Reduce emergency department visits and readmissions of short stay residents

# National Healthcare Safety Network

- Nation's most widely used healthcare-associated infection tracking system
- Identifies problem areas and measures progress of prevention efforts with the goal to **ultimately eliminate healthcare-associated infections.**



**FREE Resource, Free  
Training, Free Database**



# Total NHSN Enrollment

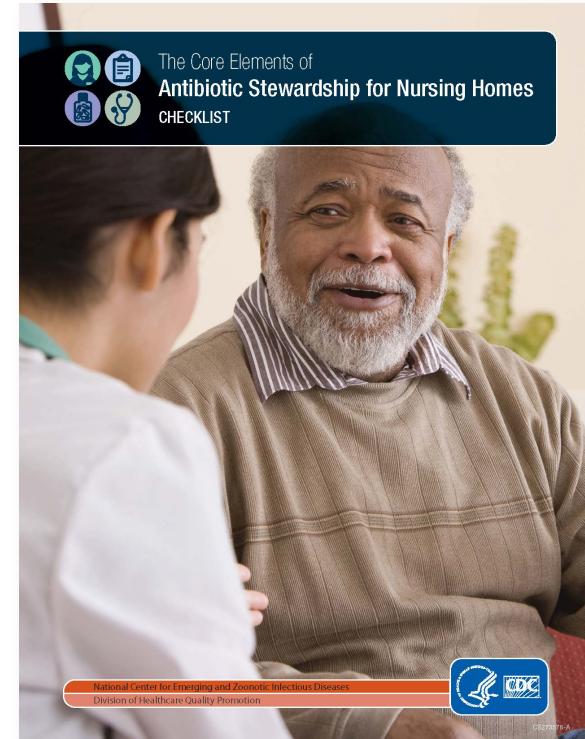
NHSN Enrollment Update (as of March 15, 2019)

- 6,774 Hospitals\*
- 7,450 Outpatient hemodialysis facilities
- 4,570 Ambulatory surgery centers (ASCs)
- 2,967 Long-term care facilities
- **21,761 Total healthcare facilities enrolled**

\*This includes 469 long-term acute care hospitals and 360 free-standing inpatient rehabilitation facilities.

# Rationale

- Leadership support
- Accountability
- Drug expertise
- Taking action
- **Tracking antibiotic use and outcomes**
- Reporting antibiotic use and resistance to staff
- Education

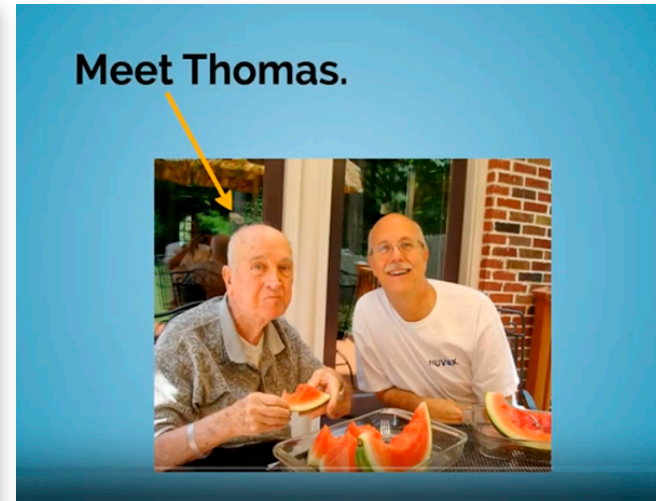




# Rationale – Applicable Regulation

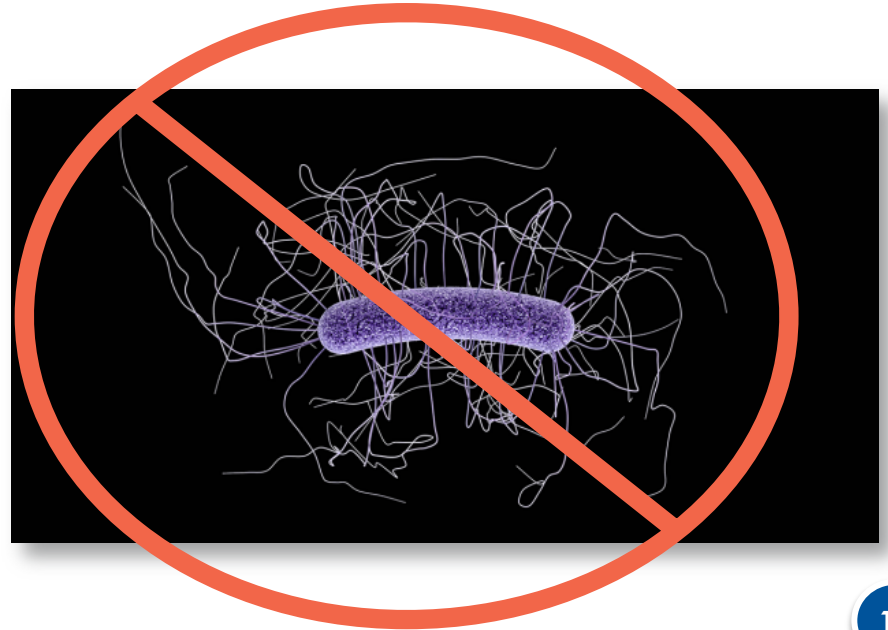
- F881 §483.80(a) Infection prevention and control program. The facility must establish:
  - An antibiotic stewardship program that includes antibiotic use protocols and a system to monitor antibiotic use.
  - **Tracking *C. diff* in National Healthcare Safety Network monitors outcomes of antibiotic use**

# Response: *C. diff* Reporting & Reduction



- YouTube link: <https://youtu.be/-oRdxZztG3E>

# The Goal: “Zero” *C. diff* Infections



# Surveillance: How are you currently tracking your *C. diff* infections?

- On a napkin?
- In an Excel® spreadsheet?
- Using a “Days Since” app
- CDC’s National Healthcare Safety Network (NHSN)
- How do you know when to take action?

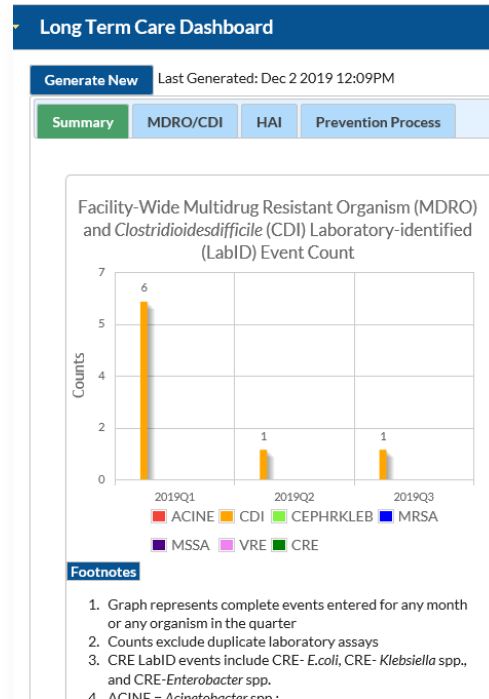


# NHSN: Facility Summary Data

Summary Year/Month	Location	Event Type	Number of Resident Days	Number of Resident Admissions	No Events	Admissions on C. diff Treatment	Number of residents started on antibiotic treatment
2018M04	FACWIDEIN	CDIF	3,096	17	Y	0	.
2018M05	FACWIDEIN	CDIF	3,076	14	Y	1	.
2018M06	FACWIDEIN	CDIF	2,981	19	Y	0	.
2018M07	FACWIDEIN	CDIF	3,205	17	Y	0	.
2018M08	FACWIDEIN	CDIF	3,289	27	Y	0	.
2018M09	FACWIDEIN	CDIF	3,309	41	N	0	.
2018M10	FACWIDEIN	CDIF	3,336	28	N	4	.
2018M11	FACWIDEIN	CDIF	3,502	23	N	0	.
2018M12	FACWIDEIN	CDIF	3,577	29	Y	0	.
2019M01	FACWIDEIN	CDIF	3,641	22	Y	0	0
2019M02	FACWIDEIN	CDIF	3,184	20	Y		



# NHSN: Facility Dashboard



# NHSN Enrollment: Commandments


- Thou shalt choose thy NHSN facility administrator wisely:
  - Comfortable with technology
  - Can be anyone in your facility
  - Must complete enrollment using the timeline and be present at your facility for the next 3 months
  - The same person must register using a unique email address and use the same email throughout (cannot use generic or shared email addresses)
  - The same person who starts the registration process must finish the enrollment process





## Before You Begin: Find Out if Your Facility is Enrolled

- Email NHSN at [nhsn@cdc.gov](mailto:nhsn@cdc.gov).
- Do **NOT** re-enroll.

 Send	To...	<input type="text" value="nhsn@cdc.gov"/>
	Cc...	<input type="text"/>
	Subject	LTCF- Facility enrollment status

Dear NHSN, Please confirm if my facility, XYZ, CCN#123456, is enrolled in NHSN. If so, what is our organization ID number?

Thank you,

Marilee

# Overview

1. Email [nhsn@cdc.gov](mailto:nhsn@cdc.gov) to find out if your facility is enrolled.
2. If you are not enrolled, register your facility with NHSN
3. Apply for your personal SAMS card
4. Complete the annual survey form on paper
5. Electronic consent
6. Submit Annual Survey
7. Map locations
8. Confer rights to Alliant Quality & other entities as specified (State Health Dept.)



**"Busy?"**

# Time Requirement:

## 2-3 weeks to complete enrollment

- ~15 minutes for days 1, 2, & 3
- A trip to a notary on ~day 3
- ~1 hour to complete the annual survey form on paper
- ~1 hour to consent, submit survey, map locations, confer rights after you receive your SAMS card



# NHSN Enrollment

- Receive your “personal” SAMS card
- Log into SAMS portal
- Electronic consent
- Submit annual survey
- Confer rights to Alliant Quality



# Day 1: Facility Registration in NHSN



- ✓ Review the enrollment guide  
<https://www.cdc.gov/nhsn/pdfs/training/ltc/LTCF-Enrollment-training.pdf>
- ✓ Locate your CCN number (a six-digit Medicare #)
- ✓ Register your facility with NHSN  
<https://www.cdc.gov/nhsn/ltc/enroll.html>

A screenshot of the "NHSN Long-Term Care Facility Enrollment Guide" form. The form is titled "NHSN Long-Term Care Facility Enrollment Guide" and is from the "National Center for Emerging and Zoonotic Infectious Diseases" (CDC). It contains several sections: "Facility Identifier" with radio button options for OGCN, OAHA, OVA, CDC Registration ID, and NONE; "Selected identifier ID:" with a text input field; "Facility Type:" with a dropdown menu showing options like "HOSP-WOMCHILD - Women and Children's H...", "LTC-ASSIST - Assisted Living Residence", "LTC-DEVDIS - Longterm Care Facility for the D...", and "LTC-SKILLNURS - Skilled Nursing Facility"; "NHSN Training Date:" with a text input field; and a "Submit" button. Two black arrows point to the "Facility Identifier" section and the "Facility Type:" dropdown menu.

# Day 2: Your Personal SAMS application

- Register your info with SAMS
- Check your inbox for the invitation to register
- Set up your new password
- Save the password and security questions in a safe place

## Step 3a: Register with SAMS



From the 'Invitation to Register with SAMS' email, login to [SAMS](#) with your username (i.e., email address) and temporary password provided. Accept the SAMS Rules of Behavior and complete the online SAMS registration form.

**Note:** Users are encouraged to use the [NHSN LTCF Enrollment Guide](#) [PDF – 6 MB] to complete this step. The SAMS username and temporary password will expire *in 30 days*.

<https://www.cdc.gov/nhsn/ltc/enroll.html>

# Important Tips!



- Use your **home address**
- First & Last Name **must** appear **exactly** as it appears on your identity proofing document(s) (e.g., driver's license)
- Home address **must** appear **exactly** as it appears on your identity proofing document(s)

# Day 3: Complete Your SAMS application

- Print out the Identity Verification Form
- Locate two (2) forms of approved identity
- Get the form notarized
- Submit using SAMS portal
  - Fax and mail-in information is also provided

## Step 3b: Complete and Submit Identity Proofing Verification



From the '**Identity Verification Request**' email, print the Identity Verification Form, complete it, and take it to a notary public for endorsement. Using the SAMS contact information in the e-mail, digitally upload, fax, or mail the completed form and supporting documentation.

Once your information is received and approved, you will receive '**SAMS Account Activation**' and '**SAMS Activity Authorization**' emails, followed by receipt of your SAMS grid card, which will be delivered to your home address via U.S. mail. The approval process can take up to three weeks.

**Note:** Your SAMS grid card should be delivered to your home address via U.S. mail **within 2 weeks after you receive your SAMS approval email**. If you do not receive your SAMS grid card within two weeks, contact [samshelp@cdc.gov](mailto:samshelp@cdc.gov) for assistance.



# Choose Your Two Proofing Documents

## A List

- Driver's license
  - Not expired
  - Current home address\*
- US Passport (not expired)
- US Military ID

## B List

- Employee ID Card that includes:
  - Your name
  - Your organization
  - Your photo
- Voter ID or Registration Card
- Certified Birth Certificate

\*Supply a utility bill with current address if different

# Helpful Tips

- Use a smart phone to take a clear picture of your driver's license
- Email/text the picture to your computer
- Print and save for later



# SAMS Application

- Use the link provided in the emailed identity verification form to upload your documents.
- Sign in using the new password you created.
  - For step-by-step instructions on how to upload a document, please reference the SAMS proofing guide. (<https://auth.cdc.gov/sams/SAMSProofingGuide.pdf>)
  - Call SAMS help desk to confirm receipt and acceptance of documents. 1-877-681-2901

# While you wait for your SAMS card

- Print the survey form and complete it
  - [https://www.cdc.gov/nhsn/forms/57.137\\_LTCFSurv\\_BLANK.pdf](https://www.cdc.gov/nhsn/forms/57.137_LTCFSurv_BLANK.pdf)
  - <https://www.cdc.gov/nhsn/forms/instr/57.137-toi-annual-facility-survey.pdf>
- Review the NHSN Manual (Add to your favorites)
  - <https://www.cdc.gov/nhsn/pdfs/ltc/ltcf-manual-508.pdf>
- Review NHSN training materials on the website
  - <https://www.cdc.gov/nhsn/ltc/index.html>

# Create an NHSN Notebook

- Instructions for reporting your *C.diff* data to NHSN



- [https://www.cdc.gov/nhsn/forms/57.142\\_DenominatorLTCF\\_BLANK.pdf](https://www.cdc.gov/nhsn/forms/57.142_DenominatorLTCF_BLANK.pdf)
- <https://www.cdc.gov/nhsn/forms/instr/57.142-toi-denominators-ltcf.pdf>
- [https://www.cdc.gov/nhsn/forms/57.138\\_LabIDEvent\\_LTCF\\_BLANK.pdf](https://www.cdc.gov/nhsn/forms/57.138_LabIDEvent_LTCF_BLANK.pdf)
- <https://www.cdc.gov/nhsn/forms/instr/57.138-toi-for-lab-id-event.pdf>
- [https://www.cdc.gov/nhsn/pdfs/ltc/ltcf-labid-event-protocol\\_current.pdf](https://www.cdc.gov/nhsn/pdfs/ltc/ltcf-labid-event-protocol_current.pdf)

# Check Your Home Mailbox

- Disclaimer... Wait for your SAMS card to arrive in your home mailbox



Call the help desk, 1-877-681-2901, if you have not received your card 7-10 days after you upload the documents

## ~Day 12: When the SAMS grid card arrives in your home mailbox...

- ✓ Log into SAMS using your grid card:  
<https://sams.cdc.gov>
- ✓ Complete Electronic Consent: use your name as both the NHSN facility administrator AND the LTCF primary contact
- ✓ Submit your annual survey
- ✓ Map facility locations
- ✓ Confer rights to Alliant Quality

# NHSN Login: <https://sams.cdc.gov>




You have two options:

- SAMS grid card
- Use your grid card

Choose a login option

**External Partners**

**SAMS Credentials**



SAMS Username

SAMS Password


Login

[Forgot Your Password?](#)

For External Partners who login with only a SAMS issued UserID and Password.

OR

**SAMS Grid Card**




Click the Login button to sign on with a SAMS Grid Card

Login

For External Partners who have been issued a SAMS Grid Card.

**External Partners**

**SAMS Grid Card**



SAMS has assigned you CDC GRID card number: 42778. Please ensure this number matches the serial number printed on the lower left of your card.

Grid Card A4:  A5:  D5:

Login

For External Partners who have been issued a SAMS Grid Card.



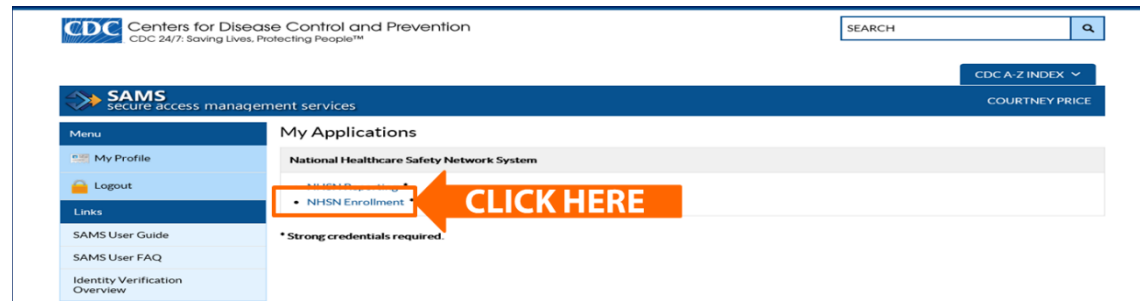
# Begin Enrollment

- Click NHSN Enrollment
- Select Enroll a facility
- Enter required information
  - (have your CCN number available)



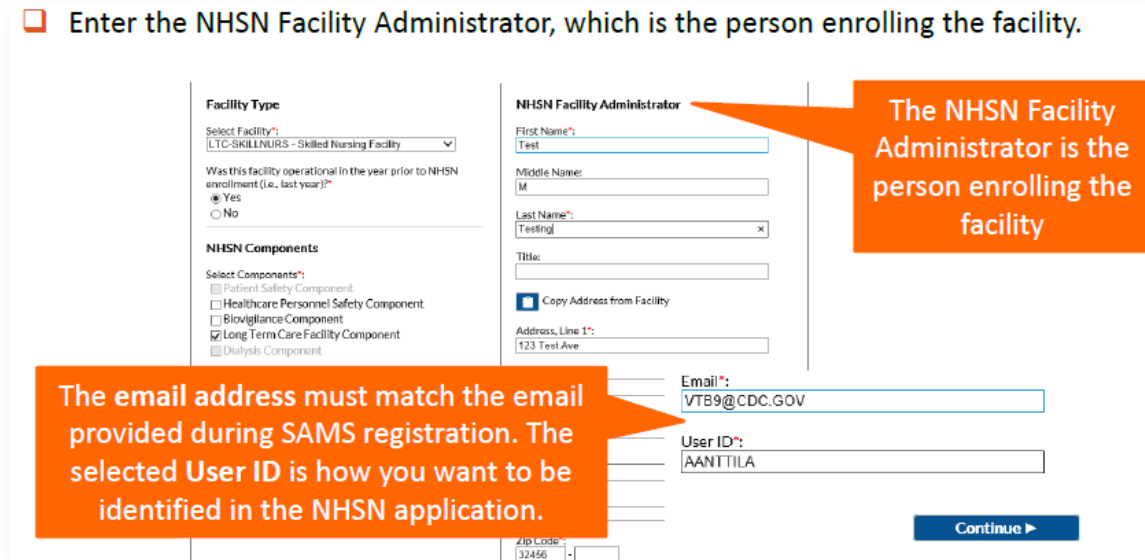
- ✓ Must be done in one session!
- ✓ Refer to the NHSN Enrollment

Guide: <https://www.cdc.gov/nhsn/pdfs/training/ltc/LTCF-Enrollment-training.pdf>



# Enrollment

- Enter the NHSN Facility Administrator, which is the person enrolling the facility.



The screenshot shows the NHSN enrollment form. On the left, under 'Facility Type', 'Select Facility\*' is set to 'LTC-SKILLNURS - Skilled Nursing Facility'. Below it, 'Was this facility operational in the year prior to NHSN enrollment (i.e., last year)?' has 'Yes' selected. Under 'NHSN Components', 'Select Components\*' shows 'Long Term Care Facility Component' checked. On the right, under 'NHSN Facility Administrator', 'First Name\*' is 'Test', 'Middle Name' is 'M', 'Last Name\*' is 'Testington', and 'Title' is empty. There is a checkbox for 'Copy Address from Facility' and 'Address, Line 1\*' is '123 Test Ave'. At the bottom, 'Email\*' is 'VTB9@CDC.GOV' and 'User ID\*' is 'AANITILA'. A 'Continue' button is at the bottom right. Two orange callout boxes provide additional information: one points to the 'NHSN Facility Administrator' section stating 'The NHSN Facility Administrator is the person enrolling the facility', and another points to the 'Email\*' field stating 'The email address must match the email provided during SAMS registration. The selected User ID is how you want to be identified in the NHSN application.'



- ✓ Must be done in one session!
- ✓ Email [nhsn@cdc.gov](mailto:nhsn@cdc.gov) with questions (there is no phone number)

# Complete NHSN Enrollment



- Submit the Annual Facility Survey forms.
- After you have successfully enrolled, you will receive an email to log into the NHSN web site.
- Select NHSN Reporting and accept the Agreement to Participate and Consent.
- Receive an email from NHSN, “NHSN Enrollment Approved.”

# NHSN Setup



- Review slides:
  - [https://www.cdc.gov/nhsn/pdfs/ltc/Facility\\_Setup\\_slides LTCF v5 Final with 508 3-2015.pdf](https://www.cdc.gov/nhsn/pdfs/ltc/Facility_Setup_slides_LTCF_v5_Final_with_508_3-2015.pdf)
- Map long-term care facility locations
- Confer rights to Alliant Quality
- Create monthly reporting plans
- Add users and assign rights

# Summary

- Facilities are enrolled only once
- A SAMS grid card is required to complete enrollment and submit data. **This is your personal card—not the facility's.**
- The same person must complete the entire enrollment process.
- Follow the timeline to avoid delays
- **Click this link to begin:**  
<https://www.cdc.gov/nhsn/ltc/enroll.html>



# Start your enrollment now!

- Locate your CCN number (a six-digit Medicare #)
- Open the link below:
  - <https://www.cdc.gov/nhsn/ltc/enroll.html>

Personal Information

\*First name:

\*Last name:

Middle name:

\*Email address:

Facility Identifier

\*Please select a facility identifier:

☐ OCN

☐ AHA

☐ OVA

☐ CDC Registration ID

☐ NONE

\*Selected identifier ID:

\*Facility Type:

HOSP-WOMCHILD - Women and Children's Hc

LTC-ASSIST - Assisted Living Residence

LTC-DEVDIS - Longterm Care Facility for the D

LTC-SKILLNURS - Skilled Nursing Facility

NHSN Training Date

\*I certify that I have completed all of the appropriate, required NHSN trainings on:

Submit

## Step 2: Register Facility with NHSN



Read and agree to the NHSN [Rules of Behavior](#). You will then be redirected to electronically register your facility with NHSN.

**Note:** The [NHSN Facility Contact form](#) [PDF - 80 KB] may be used to manually collect required registration information prior to electronically entering the data into NHSN.

Time to complete step 2: 10 minutes

After registration, you will receive two emails: **'Welcome to NHSN!'** (immediately from NHSN) and **'Invitation to Register with SAMS'** (from SAMS-no-reply within 24 hours).

A network diagram with a heart-shaped center. The heart is formed by a series of small black dots connected by red lines. The heart is filled with a light pink color. The background is white with a dense network of red lines connecting various points, creating a complex web. A solid blue horizontal bar is at the top of the image.

**Bringing it Home**

# Contact Information:

## NHSN Team

- Enrollment and Reporting:  
email [nhsn@cdc.gov](mailto:nhsn@cdc.gov)
  - (there is no phone number)
- Main Website:
  - <https://www.cdc.gov/nhsn/index.html>

## SAMS Help Desk

- For problems with login
  - <https://sams.cdc.gov>
  - call: 877-681-2901
  - email:  
[samshelp@cdc.gov](mailto:samshelp@cdc.gov)



# Thank you for your time!



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# Upcoming Events

## Nursing Homes

- Understanding the Quality Measures and Drill Down to the Resident Level  
2/18

## Community Coalitions

- Engaging Your Community Based Organizations & Resources 1/23

# Making Health Care Better *Together*



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