



National Healthcare Safety Network (NHSN)

Introduction & Enrollment

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Michigan Department of Community Health

Surveillance for Healthcare-Associated & Resistant Pathogens (SHARP) Unit

Introduction to NHSN

- Secure, internet-based surveillance system
- Developed and managed by the Division of Healthcare Quality Promotion (DHQP) at CDC
- Free to participating facilities but requires signed agreement with CDC
- Enrollment on NHSN is separate from participation in the SHARP surveillance of HAI project using NHSN data

Purposes of NHSN

Collect data from healthcare facilities:

- To permit valid estimation of magnitude of adverse events among patients
- To permit valid estimation of adherence to practices known to prevent HAIs
- To analyze and report collected data to permit recognition of trends
- To provide facilities with risk-adjusted data to be used for inter-facility & national comparison

NHSN Components

Three basic components of NHSN:

- **Patient Safety**
 - **Device-Associated**
 - **Procedure-Associated**
 - **MDRO/CDAD**
- **Healthcare Personnel Safety**
- **Biovigilance**

Patient Safety Component Modules

- **Device-Associated Modules:**
 - Central line-associated bloodstream infection (**CLABSI**)
 - Central line insertion practices adherence (**CLIP**)
 - Ventilator-associated pneumonia (**VAP**)
 - Catheter-associated urinary tract infection (**CAUTI**)
 - Dialysis Event (**DE**)

Patient Safety Component Modules (cont'd)

- **Procedure-associated Module options:**
 - Surgical site infection (SSI)
 - Post-procedure pneumonia (PPP)
- **Multidrug-Resistant Organism/ *C. difficile*-associated Disease (MDRO/CDAD) Module**
 - Infection Surveillance
 - Laboratory Identified (LabID) Events

NHSN Enrollment

- Process done through DHQP at CDC
- Visit NHSN website at www.cdc.gov/nhsn
- Requirement for hospitals in CMS Hospital Inpatient Quality Reporting Program (effective January 2011) – must report CLABSIs
- Additional CMS requirements in 2012 –SSIs
- Currently does not apply to critical access hospitals

Checklist for Enrollment

1. Identify Facility Administrator
2. CDC training
3. Facility Administrator registration
4. Digital certificate
5. Facility enrollment
6. Facility activation
7. Facility set up
8. Monthly reporting plan
9. Confer rights to SHARP (optional)
10. Surveillance

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Step-by-Step Enrollment Guide

http://www.cdc.gov/nhsn/cms-ipps-rule_training.html

www.michigan.gov/hai

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Step 1: Identify NHSN Facility Administrator

- Each facility can have only one
- Has the most administrative rights on the system
- Can appoint others with various administrative rights as backup
- Typically the primary user of NHSN: IP, hospital epidemiologist, etc.
- Only person who can join a group and confer rights
- Will enroll the facility in NHSN
- Should assign new NHSN Facility Admin before leaving the facility

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Step 2: CDC Training

- Archived webcast with slide set format
- ~10-12 hours for required modules
- Required by CDC before a NHSN Facility Administrator or user can enroll on the system
- Discusses data collection, numerators, denominators and data entry

www.cdc.gov/nhsn/training

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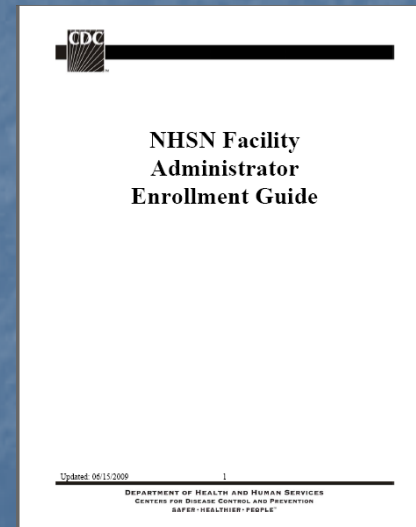
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Step 3: Facility Admin. Registration

- Review CDC's *NHSN Facility Administrator Enrollment Guide* for details on enrollment

<http://www.cdc.gov/nhsn/PDFs/FacilityAdminEnrollmentGuideCurrent.pdf>

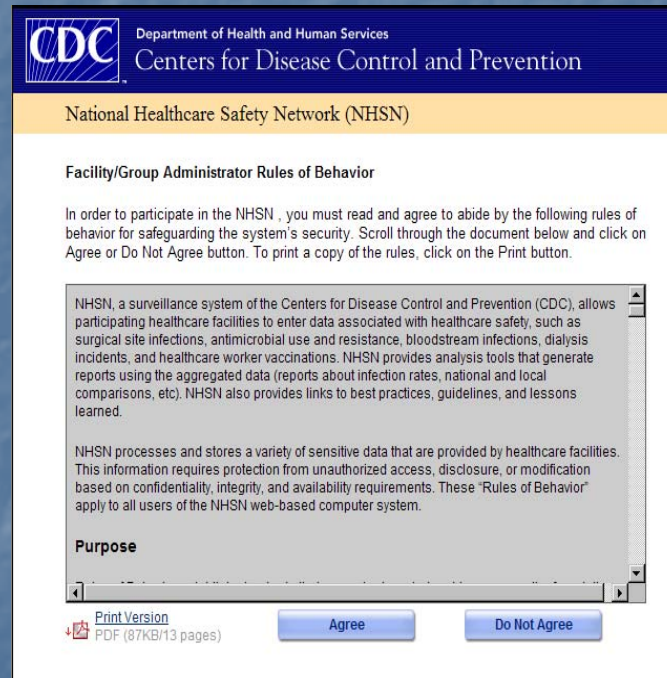


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Step 3: Facility Admin. Registration, cont'd.

- Read and accept the NHSN Rules of Behavior

<http://nhsn.cdc.gov/RegistrationForm/admin.htm>



The screenshot displays the NHSN registration interface. At the top, the CDC logo and the text 'Department of Health and Human Services Centers for Disease Control and Prevention' are visible. Below this is a yellow header for 'National Healthcare Safety Network (NHSN)'. The main content area is titled 'Facility/Group Administrator Rules of Behavior'. It contains a paragraph explaining that users must read and agree to the rules for system security. A scrollable text box follows, detailing the NHSN's purpose as a surveillance system for healthcare safety, including data collection on surgical site infections, antimicrobial use, and healthcare worker vaccinations. It also states that NHSN processes sensitive data and requires protection from unauthorized access. At the bottom of the scrollable area, the word 'Purpose' is visible. Below the scrollable area, there is a 'Print Version' link (PDF, 87KB/13 pages) and two buttons: 'Agree' and 'Do Not Agree'.

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Step 3: Facility Admin. Registration, cont'd.

- Complete registration information
- Ensure accurate e-mail address
- You will need to enter:
 - A facility identifier
 - Date you completed CDC NHSN training

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Personal Information

*Last name:

*First name:

Middle name:

*Email address:


Facility Identifier

*Please select a facility identifier:

CMS ID AHA ID VA Station Code
CDC Registration ID None

*Selected identifier ID:

NHSN Training Date

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

Step 4: Digital Certificate

- Authenticates your access when logging onto CDC's Secure Data Network
- Do not share your digital certificate; they are user-specific (including Facility Administrator)
- Digital certificate can be installed on multiple computers for the same user
- CDC will be switching to a user password

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Step 4: Digital Certificate, cont'd

- CDC registration confirmation email will include the digital ID enrollment link to apply for a digital certificate
- If you already have a CDC digital certificate, do not register for another
- Follow the instructions in each CDC email during the digital certificate process
- Follow CDC steps in order

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Step 4: Digital Certificate, cont'd

- Have an IT staff member at your facility install the digital certificate if possible
- Installation instructions are also in the *Facility Administrator Enrollment Guide* available at the NHSN website
- Create a backup copy of the certificate

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Step 5: Facility Enrollment

- Access NHSN through the SDN
 - <https://sdn.cdc.gov>
 - You must use Internet Explorer with NHSN
- Select “NHSN Enrollment” in the upper left corner
- Print enrollment forms applicable to your facility (you will submit these online, but this will allow you to gather necessary information)
- Complete facility contact info and annual facility forms online

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Step 6: Facility Activation

- Print the *Agreement to Participate and Consent* form
- Have a hospital administrator sign the form
- Return it to CDC in hard copy
- CDC will notify you after they have activated your hospital on NHSN
- You are now ready to log in and begin using NHSN

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Questions?

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