



American Recovery and Reinvestment Act  
Epidemiology and Laboratory Capacity (ELC)  
for Infectious Disease Program  
Healthcare-Associated Infections (HAIs)  
Grantee Meeting

*Paul Malpiedi, MPH*  
*Maggie Dudeck, MPH*

October 20, 2009



# The Basics



# Objectives

- Outline the steps of forming a group in NHSN
- Discuss facility-level enrollment procedures
- Describe digital certificates used to access NHSN
- Define CDC locations
- Demonstrate key functions of the NHSN application



# Data Sharing in NHSN: Groups

- CDC does not send NHSN data to state health departments or other entities
- Health departments or others obtain data directly from NHSN facilities
  - By becoming a group in NHSN
  - Facilities join the group and confer rights to certain data
- The group can analyze the data of its member facilities
- Facilities within the group cannot see each other's data
- Facilities may join multiple groups



# Data Sharing in NHSN: Groups

- Any entity can enroll as a group in NHSN (e.g., state health department, quality improvement organization, hospital system)
- NHSN facilities join the group using a group ID number and password provided by the Group Administrator
- Facility gives access rights to certain data to the group (“Conferring Rights”)



# Forming a Group in NHSN



1. Complete required reading and training for the Group Administrator or Group User
2. An NHSN facility nominates the group
3. The Group Administrator obtains a digital certificate
4. The Group Administrator adds additional users to the group and sets a joining password.
5. The Group Administrator sends the Group ID and group joining password to facilities
6. Facilities join the group and confer some or all rights to data



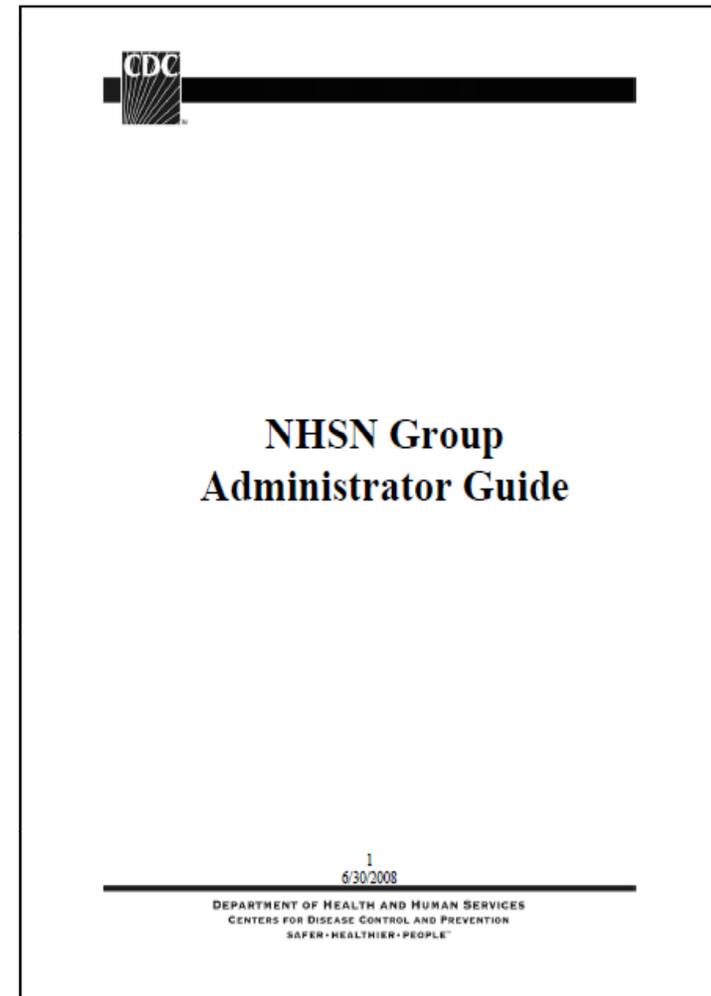
# 1. Materials and Training for Group Users



- The NHSN Group Administrator Guide
- The NHSN Patient Safety Component Manual and accompanying materials:
  - Tables of Instructions
  - Data Collection Forms

<http://www.cdc.gov/nhsn>

Follow link to “Resource Library”





## 2. An NHSN Facility Nominates the Group



- A current NHSN facility selects “**Nominate**” from the “Group” section of the NHSN Navigation Bar
- Nominating facility enters group information

 **Nominating a group does not automatically join the facility to the group – the facility must join itself**

 **Only ONE facility should nominate the group**

 **Provide the nominator with your correct e-mail address, it MUST match your digital certificate**



[NHSN Home](#)

[Reporting Plan](#)

[Patient](#)

[Event](#)

[Procedure](#)

[Summary Data](#)

[Analysis](#)

[Surveys](#)

[Users](#)

[Facility](#)

[Group](#)

[Confer Rights](#)

[Join](#)

[Leave](#)

[Nnominate](#)

[Log Out](#)

Logged into DHQP Memorial Hospital (ID 10000) as PAULM.  
Facility DHQP Memorial Hospital (ID 10000) is following the PS component.

## Nnominate Group

[HELP](#)

**Note:** This form should be used for nominating organizations that serve as groups. If the proposed administrator for the group is already a user in the NHSN system, check the **Use Existing NHSN User** option below. For that case you will be prompted to enter the unique e-mail address of that person.

If the proposed administrator does not already exist, check the **Create New NHSN User** option. For that case you will be prompted to provide a User ID and initial password for that user along with the person's name, email address, and phone number.

### Enter group data

Mandatory fields marked with \*

Group Name\*:

Type of Group\*:

If group type is **Other**, enter type here:

Group Administrator Information\*

Use existing NHSN user     Create new NHSN user

**Note:** To specify a new user as the administrator of this group, enter that person's name, email address, and phone number, and then hit the **Submit** button. The new group administrator will be notified when the group has been added, and will supply potential member facilities with the information necessary to join the group including the joining password.

### Create new NHSN user

Administrator User ID*:	<input type="text"/>	Up to 32 letters and/or numbers, no spaces or special characters
First Name:	<input type="text"/>	Middle Name: <input type="text"/>
Last Name*:	<input type="text"/>	Title: <input type="text"/>
Address, line 1:	<input type="text"/>	
Address, line 2:	<input type="text"/>	
Address, line 3:	<input type="text"/>	
City:	<input type="text"/>	
State:	<input type="text" value="v"/>	Zip Code: <input type="text"/> - <input type="text"/>
Phone*:	<input type="text"/>	Ext: <input type="text"/>
Fax:	<input type="text"/>	
Pager Number:	<input type="text"/>	
E-mail*:	<input type="text"/>	

---



### 3. The Nominated Group Administrator:



- Receives email from NHSN with Group ID number (5 digits) and digital certificate instructions
- If Group Administrator already has a digital certificate, do not get a new one
  - Request a new program/activity on SDN home page:
    - Program: National Healthcare Safety Network (NHSN)
    - Activity: NHSN Reporting



**Groups do not “enroll” in NHSN and do not need an enrollment number**



## My Applications

National Healthcare Safety Network (NHSN)

> [NHSN Reporting](#)

> [Request Additional Activities](#)

## Electronic Reference

Select a database and search term to locate journals.

Database:

Search for:

## Morbidity and Mortality Weekly Report

- > )-->
- > [Performance of Rapid Influenza Diagnostic Tests During Two School Years \(H1N1\) Virus Infection --- Connecticut, 2009](#)
- > [Anaplasmosis and Ehrlichiosis --- Maine, 2008](#)
- > [Progress Toward Measles Control --- African Region, 2001--2008](#)

**Recommendations and Reports** September 4, 2009 / Vol. 58 / No. RR--10 / Pg. 1 - 8 August 7, 2009 / Vol. 58 / No. RR--9 / Pg. 1 - 52 July 24, 2009 / Vol. 58 / No. RR--7 / Pg. 1 - 29 June 27, 2009 / Vol. 58 / No. RR--5 / Pg. 1 - 21 April 10, 2009 / Vol. 58 / No. RR--3 / Pg. 1 - 43 February 6, 2009 / Vol. 58 / No. RR--1 / Pg. 1 - 35

**Surveillance Summaries** July 17, 2009 / Vol. 58 / No. SS--6 / Pg. 1 - 25 May 29, 2009 / Vol. 58 / No. SS--4 / Pg. 1 - 31 May 22, 2009 / Vol. 58 / No. SS--2 / Pg. 1 - 16

## Emerging Infectious Diseases Journal

**Current issue** [Volume 15, Number 9--September 2009](#)

Topics include pregnancy and emerging infections; avian influenza; MF



## 4. Group Administrator Adds Users and Sets Password



- When the Group Administrator logs into NHSN Reporting, he or she will:
  - Set the group joining password
  - Add additional users at the group level (other state health department personnel)



**The Group ID is a 5 digit number assigned by NHSN, not the Group Name.**



**The Group joining password is case sensitive and special characters are not recommended.**

# Setting the Group Joinin 9Password



Department of Health and Human Services  
Centers for Disease Control and Prevention

NHSN - National Healthcare Safety Network

NHSN Home

Reporting Plan

Patient

Event

Procedure

Summary Data

Analysis

Surveys

Users

Organization

▶ Organization Info

▶ Find

▶ **Joining Password**

▶ Evict Members

Log Out

Logged into Maggie's Test Group (ID 11933) as MAGGIE.  
All Facilities Selected.

## Memberships

Facilities whose data can be accessed by this group

Enter and verify the joining password.  
Click "Set Password."

Set joining password for this group

New Password:

Verify New Password:

Set Password

Back

# Adding Group Users



Department of Health and Human Services  
Centers for Disease Control and Prevention

NHSN - National Healthcare Safety Network

[NHSN Home](#) | [My Info](#) | [Contact us](#)

[NHSN Home](#)

[Reporting Plan](#)

[Patient](#)

[Event](#)

[Procedure](#)

[Summary Data](#)

[Analysis](#)

[Surveys](#)

[Users](#)

[Add](#)

[Find](#)

[Organization](#)

[Log Out](#)

Logged into Maggie's Test Group (ID 11933) as PAULM.  
All Facilities Selected.

## Add User

[HELP](#)

Mandatory fields marked with \*

User ID\*:  Up to 32 letters and/or numbers, no spaces or special characters

Prefix:

First Name \*:

Middle Name:

Last Name \*:

Title:

User Active:

User Type:

Phone Number:

Extension:

Fax Number:

E-mail Address\*:



## 5. Group Administrator Invites Facilities to Join



- Group Administrator contacts facilities with group ID and joining password
- Facility Administrator logs in to NHSN and clicks on “Group” → “Join” in left hand navigation bar
- Facility Administrator enters group ID and joining password to join group



**A facility can join as many groups as it wants or needs to**



[NHSN Home](#)

[Reporting Plan](#)

[Patient](#)

[Event](#)

[Procedure](#)

[Summary Data](#)

[Analysis](#)

[Surveys](#)

[Users](#)

[Facility](#)

[Group](#)

[Confer Rights](#)

[Join](#)

[Leave](#)

[Nominate](#)

[Log Out](#)

Logged into DHQP Memorial Hospital (ID 10000) as PAULM.  
Facility DHQP Memorial Hospital (ID 10000) is following the PS component.

## Memberships

### Groups that have access to this facility's data

- Alexis's Test Group (14823)
- Americ...
- Cathy's
- Georgi...
- Group

Enter 1

Group Joining Password:

[Join Group](#)

[HELP](#)

[Back](#)

**Windows Internet Explorer**

The decision to confer rights to a group is a decision made by a facility administrator. Existence of a group organization in NHSN should not be construed as a recommendation from CDC to join the group. CDC cannot be held accountable for how group users use data access granted to the group by a facility.

[OK](#)

[HELP](#)

[HELP](#)



## 6. Facilities Confer Rights to the Group



- Facility gives access rights to certain pieces of its data to the group
- Group can analyze the data of its member facilities
- NHSN facilities in the group cannot see each other's data
- Facilities can confer rights in a variety of ways, including:
  - By event
  - By location
  - By date



## 6. Facilities Confer Rights to the Group



- Groups will need to provide guidance to member facilities about what data they need to share:
  - Events (**CLABSI? SSI? MDRO? Others?**)
  - Locations (**ICUs? Specialty care? Med floors?**)
  - Time period
- Many states with mandated reporting have produced step by step guides on conferring rights (text, screenshots)

# Conferring Rights to a Group

Department of Health and Human Services  
Centers for Disease Control and Prevention

NHSN - National Healthcare Safety Network | NHSN Home | My Info | Contact us | Help

Logged into DHQP Memorial Hospital (ID 10000) as PAULM.  
Facility DHQP Memorial Hospital (ID 10000) is following the PS component.

## Confer Rights-Patient Safety

Please select the rights that group 'Cathy's test group' should have to facility 'DHQP Memorial Hospital '

**Patient Safety** | Healthcare Personnel Safety | Biovigilance

General

	View Options
Patient	<input checked="" type="checkbox"/> <input type="radio"/> With Identifiers <input checked="" type="radio"/> Without Identifiers
Monthly Reporting Plan	<input checked="" type="checkbox"/>
Data Analysis	<input checked="" type="checkbox"/>
AUR Microbiology Laboratory Data	<input type="checkbox"/>
AUR Pharmacy Data	<input type="checkbox"/>

Surveys

Year	Year	Survey Type
<input type="button" value="Trash"/> 2007	to 2009	Facility Survey Data

- Confer rights to patient data, with or without identifiers
- Conferring rights to the facility survey will allow the Group to see the Facility's name, address, phone, and facility type

# Conferring Rights to a Group

## Infections and other Events (Not specific to MDRO/CDAD)

Plan	Month	Year	to	Month	Year	Event
In	3	2009	to			BSI - Bloodstream Infection (CLA)
Location type:			Location:			
CC			(ALL)			
In	3	2009	to			SSI - Surgical Site Infection
Procedure:			Setting:			
HYST - Abdominal hysterectomy			In			

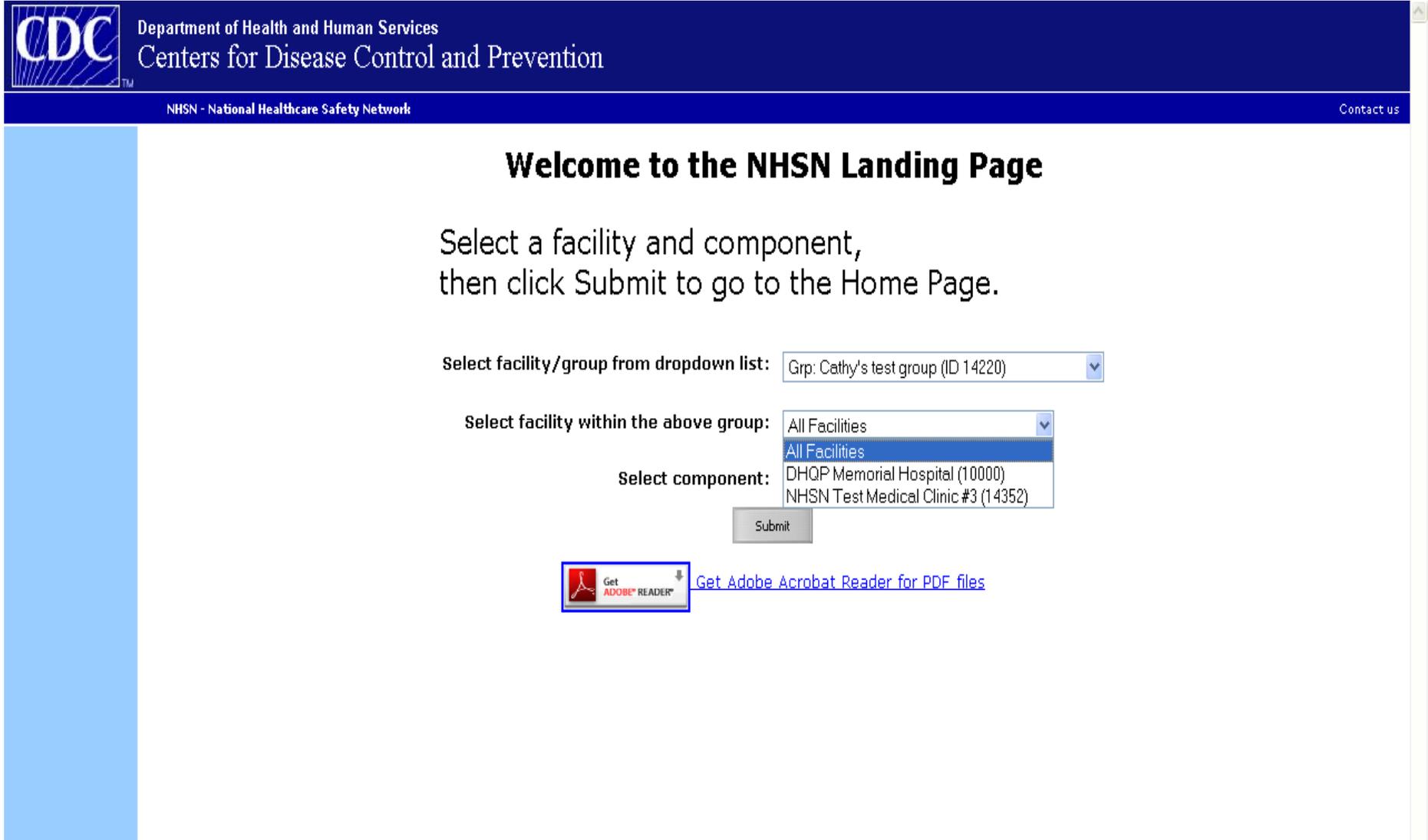
## Summary Data for Events

Plan	Month	Year	to	Month	Year	Location Type	Location
In	3	2009	to			CC	(ALL)

## Denominator Data for Events

Plan	Month	Year	to	Month	Year	Procedure	Setting
In	3	2009	to			HYST - Abdominal hysterectomy	In

# After Facilities Join Group



The screenshot shows the NHSN Landing Page with the following elements:

- Header:** CDC logo, Department of Health and Human Services, Centers for Disease Control and Prevention, NHSN - National Healthcare Safety Network, and Contact us link.
- Section Header:** Welcome to the NHSN Landing Page
- Instructions:** Select a facility and component, then click Submit to go to the Home Page.
- Form Fields:**
  - Select facility/group from dropdown list: Grp: Cathy's test group (ID 14220)
  - Select facility within the above group: All Facilities (dropdown menu is open showing All Facilities, DHQP Memorial Hospital (10000), and NHSN Test Medical Clinic #3 (14352))
  - Select component: (dropdown menu is open showing DHQP Memorial Hospital (10000) and NHSN Test Medical Clinic #3 (14352))
- Submit Button:** Submit
- Footer:** Get Adobe Reader for PDF files

- Group users can access data from all member facilities or select a single facility.

# Group Level Analysis

The screenshot shows the NHSN Patient Safety Component interface. At the top, the CDC logo is on the left, and the text "Department of Health and Human Services Centers for Disease Control and Prevention" is on the right. Below this, a blue navigation bar contains "NHSN - National Healthcare Safety Network" on the left and "NHSN Home | My Info |" on the right. A light blue sidebar on the left lists navigation options: NHSN Home, Reporting Plan, Patient, Event, Procedure, Summary Data, Analysis (with sub-options for Generate Data Sets and Output Options), Surveys, Users, Organization, and Log Out. The main content area is titled "Patient Safety Component Analysis Output Options" and shows a tree view of analysis options under "Device-Associated Module". The tree includes "All Device-Associated Events", "Central Line-Associated BSI", and "CDC Defined Output". Under "CDC Defined Output", there are ten items, each with a "Run" and "Modify" button: Line Listing - All CLAB Events, Frequency Table - All CLAB Events, Bar Chart - All CLAB Events, Pie Chart - All CLAB Events, Rate Table - CLAB Data for ICU-Other, Control Chart - CLAB Data for ICU-Other, Rate Table - UCAB/CLAB Data for NICU, Control Chart - UCAB/CLAB Data for NICU, Rate Table - CLAB Data for SCA, and Control Chart - CLAB Data for SCA. At the top of the main content area, there are "Expand All" and "Collapse All" buttons. The user is logged in as PAULM. in Cathy's test group (ID 14220) with all facilities selected.

- Many analysis options are available to group users from within NHSN

# Group Level Analysis

The screenshot shows the NHSN web interface. At the top left is the CDC logo. The header text reads "Department of Health and Human Services" and "Centers for Disease Control and Prevention". Below this is a blue navigation bar with "NHSN - National Healthcare Safety Network" on the left and "NHSN Home" on the right. A light blue sidebar on the left contains a menu with items: NHSN Home, Reporting Plan, Patient, Event, Procedure, Summary Data, Analysis (with sub-items "Generate Data Sets" and "Output Options"), Surveys, Users, Organization, and Log Out. The main content area shows the user is logged in as PAULM. The title of the page is "Export Output Options". Below the title is the text "Exporting data set CLAB\_Events: Select data export format". A dropdown menu is open, showing a list of export formats: Microsoft Access table (\*.mdb), Microsoft Access 97 table (\*.mdb), delimited file (comma-separated values) (\*.csv), delimited file (tab-delimited values) (\*.txt), Excel spreadsheet (\*.xls), Excel 5.0 or 7.0 (95) spreadsheet (\*.xls), dBASE 5.0, IV, III+, III, and II files (\*.dbf), and SAS for Windows V7/8/9 (\*.sas7bdat). To the right of the dropdown are two buttons: "Export" and "Back".

- NHSN data can be exported to various other programs for review and analysis.



# CDC Support for the Group-Level User



- Consultation on experience from other states
- Presentations to advisory groups
- Collaboration with CSTE, SHEA, APIC, IDSA, other federal agencies including CMS and AHRQ
- Access to test facilities and groups
- “State Users of NHSN” support:
  - Conference calls monthly between CDC and states
  - Web Board to share materials
- Consultation on analysis, HAI comparison metrics
- NHSN Help Desk – [nhsn@cdc.gov](mailto:nhsn@cdc.gov)



# Summary of the NHSN Group Function



- Any entity can form a group in NHSN
- An enrolled NHSN facility “nominates” the group
- Facilities join the group and confer some or all rights to data
- The group can analyze the data of its member facilities
- Facilities within the group cannot see each other’s data
- Facilities can join as many groups as they like



# NHSN Facility Administrator



- Only one Facility Administrator per facility
- Facility administrator must complete required training
- Only person who can enroll a facility
  - ***NOTE: Facility Administrator must complete required NHSN training prior to enrolling***
- Responsible for initial set-up
  - Adding locations and surgeons
  - Adding users and assigning user rights
  - Joining and conferring rights to groups




SEARCH

A-Z Index [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) <#>

# National Healthcare Safety Network (NHSN)

## NHSN

About NHSN

Communication Updates

### Enrollment Requirements

FAQs About Enrollment

FAQs About Mandatory Reporting

NHSN Security

Begin Enrollment

Enrollment Training

Enrollment Forms

Patient Safety Component

Healthcare Personnel Safety Component

Biovigilance Component

Data Collection Forms

NHSN Training

Data & Statistics

Resource Library

Contact NHSN

[NHSN](#)

## Enrollment Requirements

### Eligibility Criteria

Facilities participating in the NHSN must meet the following criteria:

- Be a bona fide healthcare facility in the United States of America, for example, be listed in or associated with a facility that is listed in one of the following national databases:
  - American Hospital Association (AHA)
  - Centers for Medicare and Medicaid Services (CMS)
  - Veteran's Affairs (VA).
- Have email addresses for NHSN users and high-speed Internet access on the computers they will use to access NHSN and the ability to download a digital certificate onto those computers for each authorized user.
- Be willing to follow the selected NHSN component protocols exactly and report complete and accurate data in a timely manner during months when reporting data for use by CDC.
- Be willing to share such data with CDC for the purposes stated above.
- Be able to provide written consent for participation in the NHSN by a member of the facility's chief executive leadership (e.g., Chief Executive Officer).

[Top](#)

### Reporting Requirements for Participation

Once enrolled in the NHSN, each facility must:

- Use the NHSN Internet-based data entry interface and/or data import tools for reporting data to CDC.
- Successfully complete an annual survey for each component selected.
- Successfully complete one or more modules of the component selected. Successful completion requires the following:
  - For the selected component, submit a reporting plan each month to inform CDC which, if any, of the modules will be used for that month. Data for at least one module must be

### On This page

- [Eligibility Criteria](#)
- [Reporting Requirements for Participation](#)
- [Required Training](#)
  - [Facility Administrator](#)
  - [User \(other than Facility or Group Administrator\)](#)
  - [Group Administrator](#)
- [System Requirements](#)

Text size: [S](#) [M](#) [L](#) [XL](#)

[Email page](#)

[Print page](#)

[Bookmark and share](#)

[Get email updates](#)

To receive email updates about NHSN, enter your email address:

[What's this?](#)

### Contact NHSN:

Centers for Disease Control and Prevention  
National Healthcare Safety Network  
MS-A24  
1600 Clifton Rd  
Atlanta, GA 30333

[nhsn@cdc.gov](mailto:nhsn@cdc.gov)

[More contact info »](#)

### FAQs About...

- [NHSN](#)
- [Enrollment](#)
- [Security](#)
- [Digital Certificates](#)
- [Training](#)




SEARCH

A-Z Index [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) <#>

## National Healthcare Safety Network (NHSN)

### NHSN

- About NHSN
- Communication Updates
- Enrollment Requirements
- FAQs About Enrollment
- FAQs About Mandatory Reporting
- NHSN Security
- ▶ **Begin Enrollment**
- Enrollment Training
- Enrollment Forms
- Patient Safety Component
- Healthcare Personnel Safety Component
- Biovigilance Component
- Data Collection Forms
- NHSN Training
- Data & Statistics
- Resource Library
- Contact NHSN

#### FAQs About...

- [NHSN](#)
- [Enrollment](#)
- [Security](#)
- [Digital Certificates](#)
- [Training](#)

[NHSN](#) > [Enrollment Requirements](#)

## Begin Enrollment Process

Enrolling in NHSN is a multiple step process, outlined below, that is completed by the person designated to serve as the Facility Administrator. The steps must be followed in the order listed to ensure a successful enrollment.

The person designated as the NHSN Facility Administrator is the only person who can be assigned as the Facility Administrator in NHSN or reassign the role of Facility Administrator. This person will also have the authority to nominate groups, that is, entities with which your hospital wants to share some/all of its data (e.g., state or county health department, corporate headquarters).

For complete detailed enrollment instructions please download the [NHSN Facility Enrollment Guide](#) June 2009. PDF (1.16 MB / 30 pages).

Before attempting to enroll, as the Facility Administrator you must:

#### Review the following documents and fulfill training requirements:

[Purposes, Eligibility, Requirements and Confidentiality](#) April 2006 PDF (46 KB)

[NHSN Facility Administrator Enrollment Guide](#) June 2009. PDF (1.16 MB / 30 pages)

[NHSN Manual: Patient Safety Component Protocols](#)

**When you have completed the required trainings and read the above documents you are ready to enroll. Follow the steps below to complete the enrollment process.**

**NOTE:** Please make sure that your email system will not block emails from [nhsn@cdc.gov](mailto:nhsn@cdc.gov) or [PHINTech@cdc.gov](mailto:PHINTech@cdc.gov) before beginning enrollment.

1. **Read the [NHSN Rules of Behavior](#).**  
In order to participate in the NHSN, you must read and agree to abide by the [Rules of Behavior](#) for safeguarding the system's security.
2. **Register your facility in the NHSN.**  
After agreeing to the Rules of Behavior, you will be taken to the NHSN Registration page.
3. **Obtain your Digital ID Certificate from the Secure Data Network (SDN).**  
After you register your facility, NHSN will send you an email containing the user name and password for the SDN.



# NHSN Facility Administrator Enrollment Guide



# What is a Digital Certificate?



- A digital certificate provides an electronic means of proving your identity in order to securely conduct business with NHSN. Digital certificates provide the following benefits:
  - Data being sent to NHSN is encrypted so that only NHSN can read it
  - Provides assurance to NHSN that the data has not been changed in transit
  - Authenticates that the certificate owner actually sent the transmission



# Additional information about Digital Certificates



- User specific – **do not share your digital certificate with another user!**
- Installed on your computer (you may need the assistance of your IT department)
- Make a copy as soon as it is installed
- Can be installed on additional computers
- CDC pays for the digital certificate



# IMPORTANT!!!



- You must use the same email address throughout NHSN. This includes your application for a digital certificate.
- Allow **nhsn@cdc.gov** and **PHINTech@cdc.gov** to come through your organization's email spam blockers.
- Make sure the following site is listed as a trusted site in your browser and pop-ups are allowed:

**\*.cdc.gov**



# CDC Locations



- A list of standard descriptions for patient care and other areas of healthcare facilities
  - List can be found in the *NHSN Manual: Patient Safety Component Protocol*
- Each location under surveillance must be “mapped” to one standard CDC Location description
- The correct mapping to a CDC Location is determined by the type of patients receiving care

**CDC Location Label****Location Description****INPATIENT LOCATIONS****Inpatient Adult Critical Care**

Burn Critical Care

Critical care area specializing in the care of patients with significant/major burns

Medical Cardiac Critical Care

Critical care area specializing in the care of patients with serious heart problems that do not require heart surgery.

Surgical Cardiothoracic Critical Care

Critical care area specializing in the care of patients following cardiac and thoracic surgery.

Medical Critical Care

Critical care area for patients who are being treated for nonsurgical conditions.

Medical/Surgical Critical Care

An area where critically ill patients with medical and/or surgical conditions are managed.

Neurologic Critical Care

Critical care area specializing in treating life-threatening neurological diseases.

Neurosurgical Critical Care

Critical care area specializing in the surgical management of patients with severe neurological diseases or those at risk for neurological injury as a result of surgery.



# CDC Location



## 80% Rule

*80% of the patients must be of a consistent type to classify the location as that specific type.*

### **Example:**

If 80% of patients on a ward are adult patients with orthopedic problems, the location is designated as an Inpatient Orthopedic Ward.

### **EXCEPTION:**

For patient care areas where the mix of medical and surgical patients is approximately equal, use the combined medical/surgical location designation.



# Highlights of the NHSN Application

## *Group User*



Department of Health and Human Services  
Centers for Disease Control and Prevention

NHSN - National Healthcare Safety Network (ISD-CLFT-NHSN1)

Contact us

## Welcome to the NHSN Landing Page

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

User: MAGGIE

Select facility/group from dropdown list:

Select facility within the above group:

Select component:

Submit



[Get Adobe Acrobat Reader for PDF files](#)



Department of Health and Human Services  
Centers for Disease Control and Prevention

NHSN - National Healthcare Safety Network (ISD-CLFT-NHSN1)

[NHSN Home](#) | [My Info](#) | [Contact us](#) | [Help](#) | [Log Out](#)

[NHSN Home](#)

Logged into Maggie's test group (ID 10297) as MAGGIE.  
All Facilities Selected.

[Reporting Plan](#)

[Find](#)

[Patient](#)

[Event](#)

[Procedure](#)

[Summary Data](#)

[Analysis](#)

[Surveys](#)

[Users](#)

[Organization](#)

[Log Out](#)

## NHSN Patient Safety Component Home Page

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

**Assurance of Confidentiality:** The information obtained in this surveillance system that would permit identification of any individual or institution is collected with a guarantee that it will be held in strict confidence, will be used only for the purposes stated, and will not otherwise be disclosed or released without the consent of the individual, or the institution in accordance with Sections 304, 306 and 308(d) of the Public Health Service Act (42 USC 242b, 242k, and 242m(d)).

**NHSN maintenance may occur nightly  
between 12am and 6am Eastern time.**



[Get Adobe Acrobat Reader for PDF files](#)



- NHSN Home**
- Reporting Plan
- Patient
- Event
  - Find
- Procedure
- Summary Data
- Analysis
- Surveys
- Users
- Organization
- Log Out

Logged into Maggie's test group (ID 10297) as MAGGIE.  
All Facilities Selected.

## Find Event

[HELP](#)

- Enter search criteria and click Find
- Fewer criteria will return a broader result set
- More criteria will return a narrower result set

### Event Information

Facility ID:

Event #:

Event Type:

Location:

Date of Event:   To:  

### Patient Information

Patient ID:

Last Name:

First Name:

Social Security #:

Secondary ID:

### General Information

Completion Status:



[NHSN Home](#)

Logged into Maggie's test group (ID 10297) as MAGGIE.  
All Facilities Selected.

- Reporting Plan
- Patient
- Event
  - Find
- Procedure
- Summary Data
- Analysis
- Surveys
- Users
- Organization
- Log Out

## Event List

[HELP](#)

[First](#) | [Previous](#) | [Next](#) | [Last](#)

Displaying 1 - 10 of 36

Facility ID	Event #	Event Type	Event Date	Last Name	First Name	Location	Patient ID	Social Security #	Secondary ID	Completion Status	Linked Events
10127	<a href="#">18859</a>	BSI	04/10/2009	Test	KLEB	IN: ACUTE: CC: C (INCARDCC)	MS125C			Y	
10235	<a href="#">16949</a>	BSI	07/21/2009	joyBSInopath27	test	IN: ACUTE: CC: S (INSURGCC)	IDT6-BSI27			Y	
10235	<a href="#">16950</a>	BSI	07/21/2009	joyBR28gendo8	test	IN: ACUTE: CC: S (INSURGCC)	IDT6-BR28			Y	
10235	<a href="#">16979</a>	BSI	07/31/2009	joy	test	IN: ACUTE: CC: NURS (INCCNURS)	IDT6-BABY			Y	Y
10235	<a href="#">16993</a>	BSI	06/17/2009	joyBSIprvimported	test	IN: ACUTE: CC: S (INSURGCC)	IDT6-007	007007777	007007777	Y	
10235	<a href="#">17050</a>	BSI	07/30/2009	joy	test	IN: ACUTE: CC: S (INSURGCC)	IDT6-1611			Y	
10235	<a href="#">17194</a>	BSI	07/25/2009	joyTESTPathogenlist	test	IN: ACUTE: WARD: S (INSURG)	IDT6-083		IDT6-083	Y	
10235	<a href="#">18447</a>	BSI	07/16/2009	joyCDA030	test	IN: ACUTE: CC: S (INSURGCC)	IDT6-030		IDT6-030	Y	
10235	<a href="#">18449</a>	BSI	07/16/2009	joyCDA030	test	IN: ACUTE: CC: S (INSURGCC)	IDT6-030		IDT6-030	Y	
10235	<a href="#">18465</a>	BSI	07/18/2009	joyDOBGENDERchange	test	IN: ACUTE: CC: S (INSURGCC)	IDT6-012		IDT6-012	Y	

[First](#) | [Previous](#) | [Next](#) | [Last](#)

Displaying 1 - 10 of 36



- [NHSN Home](#)
- [Reporting Plan](#)
- [Patient](#)
- [Event](#)
  - [Find](#)
- [Procedure](#)
- [Summary Data](#)
- [Analysis](#)
- [Surveys](#)
- [Users](#)
- [Organization](#)
- [Log Out](#)

Logged into Maggie's test group (ID 10297) as MAGGIE.  
All Facilities Selected.

## View Event

[Print PDF Form](#)

Mandatory fields marked with \*

Fields required for record completion marked with \*\*

Fields required when in Plan marked with >

### Patient Information [HELP](#)

Facility ID\*: Parkview Hospital (10235)

Event #: 19120

Patient ID\*: 3333333

Social Security #:

Secondary ID:

Last Name: Doe

First Name: John

Middle Name: R

Gender\*: M - Male

Date of Birth\*: 01/01/1980

Ethnicity:

Race:  American Indian/Alaska Native  
 Black or African American  
 White

Asian  
 Native Hawaiian/Other Pacific Islander

### Event Information [HELP](#)

Event Type\*: BSI - Bloodstream Infection Date of Event\*: 09/24/2009

Post-procedure:

MDRO Infection Surveillance\*: No, this event pathogen/location is not in-plan for MDRO/CDAD Module

Location\*: INSURGMS - IN:ACUTE:CC:MS

Date Admitted to Facility\*: 09/13/2009

### Risk Factors [HELP](#)

Central line\*: Y - Yes

Location of Device:

Insertion:

Date of Device:





- [NHSN Home](#)
- [Reporting Plan](#)
- [Patient](#)
- [Event](#)
- [Procedure](#)
- [Summary Data](#)
- [Analysis](#)
- [Surveys](#)
- [Users](#)
- Organization**
  - Organization Info
  - Find
  - Joining Password
  - Evict Members
- [Log Out](#)

Logged into Maggie's test group (ID 10297) as MAGGIE.  
All Facilities Selected.

## Edit Group Information

[Group Information](#) [Contact Information](#)

Mandatory fields marked with \*

[Print PDF Form](#)

### Group Information [HELP](#)

Group ID :

Group name \* :

Address, line 1 \* :

Address, line 2 :

Address, line 3 :

City \* :

State \* :

Zip Code \* :  Zip Code Ext:

Phone \* :  Ext:

Fax:

Facility:

Group type \* :

Group type other:



Department of Health and Human Services  
Centers for Disease Control and Prevention

NHSN - National Healthcare Safety Network (ISD-CLFT-NHSN1)

[NHSN Home](#) | [My Info](#) | [Contact us](#) | [Help](#) | [Log Out](#)

- [NHSN Home](#)
- [Reporting Plan](#)
- [Patient](#)
- [Event](#)
- [Procedure](#)
- [Summary Data](#)
- [Analysis](#)
  - [Generate Data Sets](#)
  - [Output Options](#)
- [Surveys](#)
- [Users](#)
- [Organization](#)
- [Log Out](#)

Logged into Maggie's test group (ID 10297) as MAGGIE.  
All Facilities Selected.

## Generate Data Sets

[HELP](#)

Generate Patient Safety Analysis Data Sets

Date Last Generated	Action
---------------------	--------

Oct 19 2009 7:21PM

The data set generation process will take several minutes. Do not logoff or close this window while the process is running. You may minimize the browser window and work in other applications while you wait.



- Reporting Plan
- Patient
- Event
- Procedure
- Summary Data
- Analysis
  - Generate Data Sets
  - Output Options
- Surveys
- Users
- Organization
- Log Out

All facilities selected.

## Patient Safety Component

Analysis Output Options

- Device-Associated Module
- Procedure-Associated Module
- Medication-Associated Module
- MDRO/CDAD Module - Infection Surveillance
- MDRO/CDAD Module - LABID Event Reporting
- MDRO/CDAD Module - Process Measures
- MDRO/CDAD Module - Outcome Measures
- High Risk Inpatient Influenza Vaccination Module

Advanced

[Create New custom Option](#)

- Patient-level Data
- Event-level Data
- Procedure-level Data
- Summary-level Data
- Plan Data
- Pathogen-level Data
- Facility-level Data
- Group-level Data

CDC Defined Output

Line Listing - Membership Rights

- My Custom Output
- Published Output



# Highlights of the NHSN Application

## *Facility User*



-  [NHSN Home](#)
- [Reporting Plan](#)
- [Patient](#)
- [Event](#)
- [Procedure](#)
- [Summary Data](#)
- [Import/Export](#)
- [Analysis](#)
- [Surveys](#)
- [Users](#)
- [Facility](#)
- [Group](#)
- [Log Out](#)

Logged into DHQP MEMORIAL HOSPITAL (ID 10018) as MAGGIE.  
Facility DHQP MEMORIAL HOSPITAL (ID 10018) is following the PS component.

## NHSN Patient Safety Component Home Page

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

**Assurance of Confidentiality:** The information obtained in this surveillance system that would permit identification of any individual or institution is collected with a guarantee that it will be held in strict confidence, will be used only for the purposes stated, and will not otherwise be disclosed or released without the consent of the individual, or the institution in accordance with Sections 304, 306 and 308 (d) of the Public Health Service Act (42 USC 242b, 242k, and 242m(d)).

NHSN maintenance may occur nightly  
between 12am and 6am Eastern time.

 [Get Adobe Acrobat Reader for PDF files](#)



- NHSN Home
- Reporting Plan
- Patient
- Event
- Procedure
- Summary Data
- Import/Export
- Analysis
- Surveys
- Users
- Facility
  - Customize Forms
  - Facility Info
  - Add/Edit Component
  - Locations
  - Surgeons
- Group
- Log Out

Logged into DHQP MEMORIAL HOSPITAL (ID 10018) as MAGGIE.  
Facility DHQP MEMORIAL HOSPITAL (ID 10018) is following the PS component.

## Locations

### HELP 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.



- NHSN Home**
- Reporting Plan**
  - [Add](#)
  - [Find](#)
- Patient**
- Event**
- Procedure**
- Summary Data**
- Import/Export**
- Analysis**
- Surveys**
- Users**
- Facility**
- Group**
- Log Out**

Logged into DHQP MEMORIAL HOSPITAL (ID 10018) as MAGGIE.  
Facility DHQP MEMORIAL HOSPITAL (ID 10018) is following the PS component.

## Edit Monthly Reporting Plan

[Print PDF Form](#)

Mandatory fields marked with \*

Facility ID\*: DHQP MEMORIAL HOSPITAL (ID 10018)  
 Month\*: October  
 Year\*: 2009

No NHSN Patient Safety Modules Followed this Month

### Device-Associated Module [HELP](#)

Locations	CLA	BSI	DE	VAP	CAUTI	CLIP
ICU - ICU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5G - CARDIAC ICU	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

### Procedure-Associated Module [HELP](#)

Procedures	SSI	Post-procedure PNEU
AAA - Abdominal aortic aneurysm repair	BOTH - In and outpatient	IN - Inpatient
AMP - Limb amputation	BOTH - In and outpatient	IN - Inpatient
APPY - Appendix surgery	BOTH - In and outpatient	IN - Inpatient
AVSD - AV shunt for dialysis	BOTH - In and outpatient	IN - Inpatient
BILI - Bile duct, liver or pancreatic surgery	BOTH - In and outpatient	IN - Inpatient
BRST - Breast surgery	BOTH - In and outpatient	IN - Inpatient
CARD - Cardiac surgery	BOTH - In and outpatient	IN - Inpatient
CBGB/CBGC - Coronary artery bypass graft	BOTH - In and outpatient	IN - Inpatient
CEA - Carotid endarterectomy	BOTH - In and outpatient	IN - Inpatient



- NHSN Home
- Reporting Plan
- Patient
- Event
  - Add
  - Find
  - Incomplete
- Procedure
- Summary Data
- Import/Export
- Analysis
- Surveys
- Users
- Facility
- Group
- Log Out

Logged into DHQP MEMORIAL HOSPITAL (ID 10018) as MAGGIE.  
Facility DHQP MEMORIAL HOSPITAL (ID 10018) is following the PS component.

## Add Event

[Print PDF Form](#)

Mandatory fields marked with \*  
Fields required for record completion marked with \*\*  
Fields required when in Plan marked with >

### Patient Information [HELP](#)

Facility ID\*:

Event #: 19134

Patient ID\*:

Social Security #:

Secondary ID:

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

### Event Information [HELP](#)

Event Type\*:  Date of Event\*:

Post-procedure:

Location\*:

Date Admitted to Facility>:

### Risk Factors



- [NHSN Home](#)
- [Reporting Plan](#)
- [Patient](#)
- [Event](#)
- [Procedure](#)
- [Summary Data](#)
  - [Add](#)
  - [Find](#)
  - [Incomplete](#)
- [Import/Export](#)
- [Analysis](#)
- [Surveys](#)
- [Users](#)
- [Facility](#)
- [Group](#)
- [Log Out](#)

Logged into DHQP MEMORIAL HOSPITAL (ID 10018) as MAGGIE.  
Facility DHQP MEMORIAL HOSPITAL (ID 10018) is following the PS component.

## Denominators for Intensive Care Unit (ICU)/ Other locations (not NICU or SCA)

[HELP](#)

Mandatory fields marked with \*

[Print PDF Form](#)

**Facility ID\*:** 10018 (DHQP MEMORIAL HOSPITAL)

**Location Code\*:** ICU - ICU

**Month\*:** September

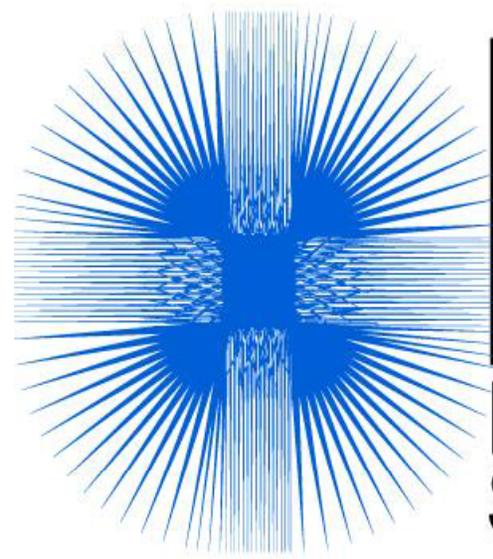
**Year\*:** 2009

**Total Patient Days\*:**

**Central Line Days\*:**

**Urinary Catheter Days\*:**

**Ventilator Days\*:**



# NHSN

National Healthcare  
Safety Network

## Contact Information:

**nhsn@cdc.gov**

## Important web addresses:

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

<http://www.cdc.gov/nhsn/library.html>

<http://www.cdc.gov/nhsn/training.html>