



# National Healthcare Safety Network (NHSN) Tutorial

## Central Line-Associated Bloodstream Infections (CLABSI) Event Entry

Slide adapted from Wisconsin Department of Health Services

Michigan Department of Community Health

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

# CLABSI Module

- Patient Safety Component
  - Device-Associated Event Modules:
    - ✓ **CLABSI**
    - ✓ CLIP
    - ✓ VAP
    - ✓ CAUTI
    - ✓ DE

# Definition of CLABSI

A CLABSI, or central line-associated bloodstream infection, is a primary bloodstream infection (BSI) in a patient that had a central line within the 48-hour period before the development of the BSI.

A primary BSI is a laboratory-confirmed bloodstream infection that is not secondary to an infection meeting CDC/NHSN criteria at another body site.

# Definition & Types of Central Lines

[www.cdc.gov/nhsn/psc\\_da.html](http://www.cdc.gov/nhsn/psc_da.html)

# Locations for CLABSI Surveillance

- Critical/Intensive Care Units (CCU/ICU)
- Specialty Care Areas (SCA)
- Neonatal Intensive Care Units (NICU)
- Step-Down Units
- Wards
- Long-Term Care Units of Hospital

# Sources of Finding CLABSIs

- Microbiology Reports
- Infection Control Rounds
- Pharmacy Reports
- Networking with Nursing & other Staff
- Temperature Chart
- List of Patients with Central Lines

# Add Events Section

The screenshot shows the NHSN Patient Safety Component Home Page. 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 bar with "NHSN - National Healthcare Safety Network". The main content area shows the user is logged in as ASHLIEWI. A navigation bar on the left lists various options, with "Add" under the "Event" section highlighted by a red arrow. The main content area includes a title "NHSN Patient Safety Component Home Page", a paragraph about using the navigation bar, a confidentiality assurance, a maintenance notice in a dashed red box, and a download link for Adobe Acrobat Reader.

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

NHSN - National Healthcare Safety Network

Logged into NHSN Test Medical Clinic #3 (ID 14352) as ASHLIEWI.  
Facility NHSN Test Medical Clinic #3 (ID 14352) 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 it to be used only for the purposes stated, and will not otherwise be disclosed or released without the consent of the patient or the Department of Health and Human Services (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](#)

**Navigation Bar:**

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

Slide adapted from Wisconsin Department of Health Services

# Generic Add Events Screen

## Add Event

Mandatory fields marked with \*

Fields required for record completion marked with \*\*

Fields required when in Plan marked with >

### Patient Information

Facility ID\*:

Event #: 3414666

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

Event Type\*:  Date of Event\*:  

Post-procedure:

Location\*:

Date Admitted to Facility>:  

### Risk Factors

### Event Details

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# Patient Information

## Add Event

Mandatory fields marked with \*

Fields required for record completion marked with \*\*

Fields required when in Plan marked with >

### Patient Information [HELP](#)

Facility ID\*:

Patient ID\*:

Social Security #:

Last Name:

Middle Name:

Gender\*:

Ethnicity:

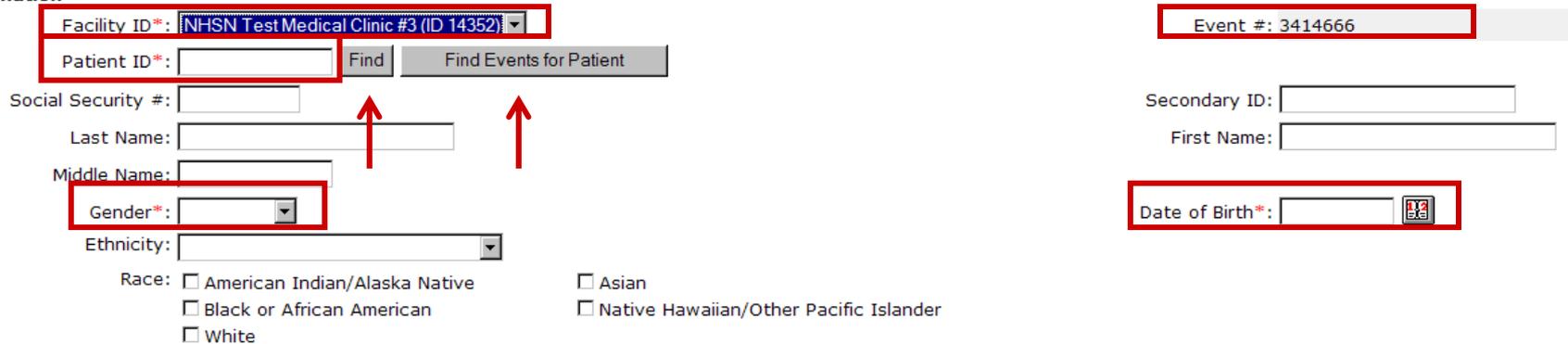
Race:  American Indian/Alaska Native  Asian  
 Black or African American  Native Hawaiian/Other Pacific Islander  
 White

Event #:

Secondary ID:

First Name:

Date of Birth\*:



Slide adapted from Wisconsin Department of Health Services

# Event Type

**Event Information** [?HELP](#)

Event Type\*:  Date of Event\*:  

Post-procedure:

Location\*:

Date Admitted to Facility>:

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**Risk Factors**

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**Event Details**

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**Pathogens**

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**Custom Fields**

BJ - Bone and Joint Infection  
BSI - Bloodstream Infection  
CLIP - Central Line Insertion Practices  
CNS - Central Nervous System  
CVS - Cardiovascular  
DE - Dialysis Event  
EENT - Eye, Ear, Nose and Throat  
FLUVX - Influenza Vaccination  
GI - Gastrointestinal  
LABID - Laboratory-identified MDRO or CDAD Event  
LRI - Lower Respiratory Infection  
PNEU - Pneumonia  
REPR - Reproductive Tract  
SSI - Surgical Site Infection  
SST - Skin and Soft Tissue  
SYS - Systemic  
UTI - Urinary Tract Infection

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# Event Information

**Event Information** [HELP](#)

Event Type\*: BSI - Bloodstream Infection Date of Event\*: 05/12/2010

Post-procedure: Y - Yes

NHSN Procedure Code\*: AAA - Abdominal aortic aneurysm repair

ICD-9-CM Code:

Procedure Date\*: 05/10/2010 [Link/Unlink to Procedure](#) **Event is not Linked**

MDRO Infection Surveillance\*: Yes, this event pathogen/location is in-plan for MDRO/CDAD Module

Location\*: SICU - SURGICAL ICU

Date Admitted to Facility\*: 05/10/2010

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# Risk Factors

## Risk Factors

Central line\*:

Location of Device Insertion:

Date of Device Insertion:  

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# Event Details

## Event Details HELP

Specific Event>: LCBI - Laboratory confirmed bloodstream infection

### Specify Criteria Used\*

#### Signs & Symptoms (check all that apply)

##### Any patient

Fever

Chills

Hypotension

##### <=1 year old

Fever

Hypothermia

Apnea

Bradycardia

#### Laboratory (check one)

Recognized pathogen from one or more blood cultures

Common skin contaminant from >=2 blood cultures

Died\*\*\*:

Discharge Date:



Pathogens Identified:

CLABSI protocol: 4<sup>th</sup> chapter in the Patient Safety Component Manual ([http://www.cdc.gov/nhsn/TOC\\_PSCManual.html](http://www.cdc.gov/nhsn/TOC_PSCManual.html)).

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# Pathogens

## Pathogens [HELP](#)

Pathogen 1:   10 drugs required

	Drug	Result
*	<input type="text" value="CLIND - Clindamycin"/>	<input type="text" value="S - Susceptible"/>
*	<input type="text" value="DAPTO - Daptomycin"/>	<input type="text" value="S - Susceptible"/>
*	<input type="text" value="GENT - Gentamicin"/>	<input type="text" value="S - Susceptible"/>
*	<input type="text" value="LNZ - Linezolid"/>	<input type="text" value="N - Not Tested"/>
*	<input type="text" value="VANC - Vancomycin"/>	<input type="text" value="R - Resistant"/>
*	<input type="text" value="ERYTH - Erythromycin"/>	<input type="text" value="I - Intermediate"/>
*	<input type="text" value="TMZ - Trimethoprim/sulfamethoxazole"/>	<input type="text" value="I - Intermediate"/>
*	<input type="text" value="OX - Oxacillin"/>	<input type="text" value="R - Resistant"/>
*	<input type="text" value="QUIDAL - Quinupristin/dalfopristin"/>	<input type="text" value="S - Susceptible"/>
*	<input type="text" value="RIF - Rifampin"/>	<input type="text" value="N - Not Tested"/>

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# Custom Fields/Comments

Custom Fields [?HELP](#)

Comments [?HELP](#)

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# Event Saved

## NHSN - National Healthcare Safety Network

Logged into NHSN Test Medical Clinic #3 (ID 14352) as ASHLIEWI.  
Facility NHSN Test Medical Clinic #3 (ID 14352) is following the PS component.

**View Event**

✔ Event 3418158 saved successfully. Record is complete.

Mandatory fields marked with \*

Fields required for record completion marked with \*\*

Fields required when in Plan marked with >

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# Questions?

Judy Weber, MPH

Hospital Liaison

SHARP Unit

[weberj4@michigan.gov](mailto:weberj4@michigan.gov)

(517) 335-8331