



NHSN Training Series:

Getting to Know NHSN – Don't Let It Bug You!

WebEx 3 of 3:


CLABSI Reporting

November 11, 2010

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Getting Started with NHSN

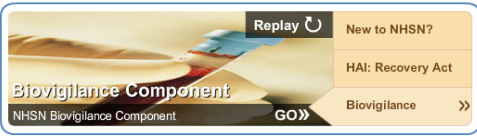
CLABSI Reporting

CDC Home
 Centers for Disease Control and Prevention
 Your Online Source for Credible Health Information

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)


The National Healthcare Safety Network (NHSN) is a voluntary, secure, internet-based surveillance system that integrates and expands legacy patient and healthcare personnel safety surveillance systems managed by the Division of Healthcare Quality Promotion (DHQP) at CDC. NHSN also includes a new component for hospitals to monitor adverse reactions and incidents associated with receipt of blood and blood products. Enrollment is open to all types of healthcare facilities in the United States, including acute care hospitals, long term acute care hospitals, psychiatric hospitals, rehabilitation hospitals, outpatient dialysis centers, ambulatory surgery centers, and long term care facilities. For more information, click on the topics below.



Replay

Biovigilance Component
 NHSN Biovigilance Component

Text size:



FLU.GOV
 Know what to do about the flu.

Topics

<p>About NHSN Overview, Purposes, Confidentiality statement, How data are used, External Peer Review report...</p>	<p>Enrollment Requirements Eligibility, Required Training, Reporting & System Requirements, Security, Begin Enrollment...</p>
<p>Forms Component-specific manuals containing data collection protocols, instructions for completing forms...</p>	<p>Training Self-study slide sets and corresponding materials for NHSN modules...</p>
<p>NHSN Manuals Component-specific manuals containing data collection protocols, instructions for completing forms...</p>	<p>Patient Safety Component Overview of the Modules: Device-associated, Procedure-associated, MDRO/CDAD, Vaccination...</p>
<p>Resource Library Guides, Manuals, NHSN Codes & Variables, FAQs, HIPAA...</p>	<p>Biovigilance Component Hemovigilance Module Overview, Protocol and Tables of Instructions...</p>
	<p>Healthcare Personnel Safety Component Overview of the Exposure, Management, and Vaccination Modules, Benefits of participation...</p>

Data & Statistics


States with Facilities Using NHSN
 (total: 26.46)



CDC currently supports more than 2600 hospitals that are using NHSN and 21 states require hospitals to report HAI's using NHSN.

[More Data & Statistics >>](#)


Clinical Document Architecture



Clinical Document Architecture (CDA) is a

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

Contact NHSN:

 Centers for Disease Control and Prevention
 National Healthcare Safety Network
 MS-A24
 1600 Clifton Rd
 Atlanta, GA 30333
 [More contact info >>](#)

Kevin Waldrop BSMT (ASCP) CIC
 Fall 2010

Goals

At the end of this presentation, participants will be able to:

- List the required data elements for CLABSI reporting in NHSN
- Enter CLABSI cases in NHSN
- Enter central line denominator data in NHSN.
- Select data output in NHSN
- Create custom reports

Recommended Reading

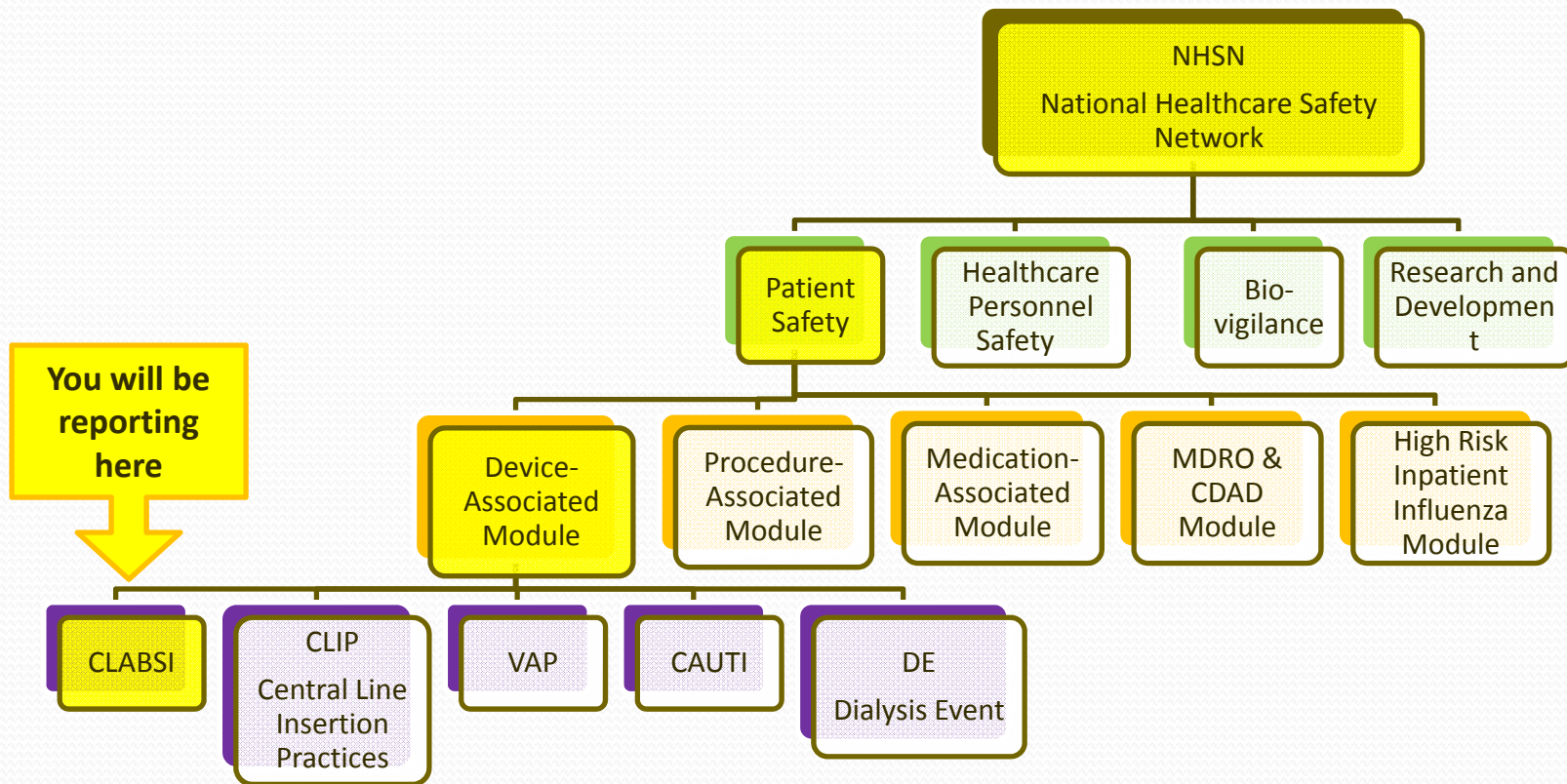
- Review slide set “Patient Safety Component – Central Line-associated Bloodstream Infection”

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

- NHSN definitions for CLABSI events and denominator data collection
- Primary Bloodstream Infection (BSI) NHSN form with criteria

http://www.cdc.gov/nhsn/forms/57.108_PrimaryBSI_BLANK.pdf

Overview of NHSN



CLABSI – Required Elements

- NHSN location types for CLABSI events:
 - Intensive Care Unit /Other Locations
 - Adult ICU/PICU
 - NICU
 - Line days are counted differently than other areas (umbilical lines vs central lines)
 - Specialty Care Areas (SCA) as defined in NHSN
 - Hem/Onc unit
 - Bone marrow/Stem cell transplant unit
 - Solid organ transplant Unit
 - Acute inpatient dialysis unit
 - Long term acute care
 - Line days are counted differently than other areas (temporary vs permanent central lines)
- CMS requirement for CLABSI reporting in January 2011 includes adult ICU, PICU, and NICU.
- CLABSI data can be reported for any inpatient locations that have the following information available each month:
 - Line Days
 - Patient Days

Reporting in NHSN

Main NHSN log in page:

<https://sdn.cdc.gov>

The screenshot shows the user interface for the National Healthcare Safety Network (NHSN). At the top, there is a blue header with the CDC logo and the text "Public Health Partners". Below this, a yellow bar indicates the user is logged in as "Kevin Waldrop". The main content area is divided into several sections:

- My Applications:** This section contains two links: "National Healthcare Safety Network (NHSN)" with a sub-link "NHSN Reporting" (highlighted by a yellow arrow), and "Request Additional Activities".
- Electronic Reference:** This section contains the text "Select a database and search term to locate journals."
- Emerging Info:** This section contains the text "Current issue V" and "Topics include p".
- Preventing C:** This section contains the text "2010" and "Volume 7: Issue".

Patient Safety Component



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

NHSN - National Healthcare Safety Network

Welcome to the NHSN Landing Page

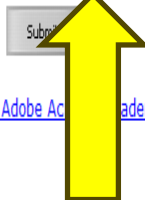
Select a facility and component,
then click Submit to go to the Home Page.

User: KWALDROP (ID 2750)

Select facility/group from dropdown list:

Select facility within the above group:

Select component:



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

- All healthcare associated infection reporting occurs under Patient Safety component.

CLABSI Reporting Plan

- Make sure there is a monthly reporting plan for the unit of interest.
- Cannot enter CLABSI data unless you have entered a monthly reporting plan for the unit.

NHSN - National Healthcare Safety Network

Logged into Scottsdale Healthcare Osborn (ID 11249) as KWALDROP.
Facility Scottsdale Healthcare Osborn (ID 11249) is following the PS component.

View Monthly Reporting Plan

Mandatory fields marked with *

Facility ID*: Scottsdale Healthcare Osborn (11249)
Month*: October
Year*: 2010

Device-Associated Module [HELP](#)

Locations	CLA BSI DE VAP CAUTI CLIP
ICU OSBORN - ICU OSBORN	X

Procedure-Associated Module [HELP](#)

Procedures	SSI	Post-procedure PNEU
HPRO - Hip prosthesis	IN - Inpatient	
KPRO - Knee prosthesis	IN - Inpatient	

Multi-Drug Resistant Organism Module [HELP](#)

Locations	Specific Organism Type
2EE - 2 EAST E - SCU	MRSA - MRSA

Process and Outcome Measures

Infection Surveillance	AST-Timing	AST-Eligible	Incidence	Prevalence	Lab ID Event All Specimens	Lab ID Event Blood Specimens Only	HH GG
X					X		

CLABSI – Case Identification

- Identify cases using NHSN criteria:
 - LCBI Criterion 1
 - LCBI Criterion 2
 - LCBI Criterion 3
- LCBI = laboratory confirmed bloodstream infection
- Criterion 3 is for patients ≤ 1 year of age only.
- Criteria 1 and 2 can be used for patients of any age.
- More info on using NHSN CLABSI criteria:

http://www.hsag.com/App_Resources/Documents/NHSN_Workshop1_CLABSI_Criteria_Studies.pdf

LCBI Criterion 1	Recognized pathogen cultured from ≥ 1 blood cultures. Pathogen not related to infection at another site.
LCBI Criterion 2	Common skin contaminant is cultured from ≥ 2 blood cultures drawn on separate occasions
	Patient has at least one of the following signs or symptoms:
	<ul style="list-style-type: none"> • Fever ($>38^{\circ}\text{C}$ or 100.4°F) • Chills • Hypotension
LCBI Criterion 3	Signs and symptoms and positive lab results are not related to infection at another site.
	Patient ≤ 1 year old has at least one of the following signs or symptoms
	<ul style="list-style-type: none"> • Fever ($>38^{\circ}\text{C}$ or 100.4°F) Core • Apnea • Bradycardia
	Signs and symptoms and positive lab results are not related to infection at another site.
	Common skin contaminant is cultured from ≥ 2 blood cultures drawn on separate occasions


CLABSI – Case Identification

- Use the BSI form to gather case info for entry
- NHSN BSI form with criteria
http://www.cdc.gov/nhsn/forms/57.108_PrimaryBSI_BLANK.pdf

*required for saving		**required for completion	
*Facility ID:		Event #:	
*Patient ID:		Social Security #:	
Secondary ID:			
Patient Name, Last:		First:	Middle:
*Gender: F M	*Date of Birth:		
Ethnicity (specify):		Race (specify):	
*Event Type: BSI		*Date of Event:	
Post-procedure BSI: Yes No		Date of Procedure:	
NHSN Procedure Code:		ICD-9-CM Procedure Code:	
*MDRO Infection Surveillance: <input type="checkbox"/> Yes, this event's pathogen & location are in-plan for the MDRO/CDAD Module <input type="checkbox"/> No, this event's pathogen & location are not in-plan for the MDRO/CDAD Module			
*Date Admitted to Facility:		*Location:	
Risk Factors			
*If ICU/Other locations, Central line:		Yes	No
*If Specialty Care Area,		Location of Device Insertion: _____	
Permanent central line:		Yes	No
Temporary central line:		Yes	No
Date of Device Insertion: ___/___/___			
*If NICU,			
Non-umbilical Central line:		Yes	No
Umbilical catheter:		Yes	No
Birth weight (grams):			
Event Details			
*Specific Event: Laboratory-confirmed			
*Specify Criteria Used:			
Signs & Symptoms (check all that apply)		Laboratory (check one)	
<u>Any patient</u>		<u>≤1 year old</u>	
<input type="checkbox"/> Fever	<input type="checkbox"/> Fever	<input type="checkbox"/> Recognized pathogen from one or more blood cultures	
<input type="checkbox"/> Chills	<input type="checkbox"/> Hypothermia	<input type="checkbox"/> Common skin contaminant from ≥2 blood cultures	
<input type="checkbox"/> Hypotension	<input type="checkbox"/> Apnea		
		<input type="checkbox"/> Bradycardia	
**Died: Yes No		BSI Contributed to Death: Yes No	
Discharge Date:		*Pathogens Identified: Yes No *If Yes, specify on page 2	
<small>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, 242c, and 242m(d)). Public reporting burden of this collection of information is estimated to average 30 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. An agency may not conduct or sponsor, and a person is not required to respond to a collection of information unless it displays a currently valid OMB control number. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden to CDC, Reports Clearance Officer, 1600 Clifton Rd., MS D-74, Atlanta, GA 30333, ATTN: PRA (0920-0666). CDC 57.108 (Prev) Rev. 9 NHSN ver. 6.2</small>			

CLABSI – Case Identification

- Pathogen and antibiotic sensitivity entry
- Enter up to 3 pathogens for each CLABSI (in rank order of importance)
- Only certain pathogen/sensitivity combinations are required, but up to 20 drugs can be entered with susceptibilities.
 - Choices are S, I, R, N



NHSN
National Healthcare Safety Network

Primary Bloodstream Infection (BSI)

Page 2 of 3

OMB No. 0920-0666
Exp. Date: 09-30-2012

Pathogen #	Gram-positive Organisms											
_____	Coagulase-negative staphylococci (specify): _____											
_____	Coagulase-negative staphylococci	VANC										
_____	<i>Enterococcus faecalis</i>	AMP	DAPTO	LNZ	PENG	VANC						
_____	<i>Enterococcus faecium</i>	AMP	DAPTO	LNZ	PENG	QUIDAL	VANC					
_____	<i>Staphylococcus aureus</i>	CLIND	DAPTO	ERYTH	GENT	LNZ	OX	QUIDAL	RIF	TMZ	VANC	
Pathogen #	Gram-negative Organisms											
_____	<i>Acinetobacter</i> spp. (specify)	AMK	AMPSUL	CEFEP	CEFTAZ	CIPRO	GENT	IMI	LEVO	MERO	PIPTAZ	TOBRA
_____	<i>Escherichia coli</i>	AMK	CEFEP	CEFOT	CEFTAZ	CEFTRX	CIPRO	IMI	LEVO	MERO		
_____	<i>Enterobacter</i> spp. (specify)	AMK	CEFEP	CEFOT	CEFTAZ	CEFTRX	CIPRO	IMI	LEVO	MERO		
_____	<i>Klebsiella oxytoca</i>	AMK	CEFEP	CEFOT	CEFTAZ	CEFTRX	CIPRO	IMI	LEVO	MERO		
_____	<i>Klebsiella pneumoniae</i>	AMK	CEFEP	CEFOT	CEFTAZ	CEFTRX	CIPRO	IMI	LEVO	MERO		
_____	<i>Serratia marcescens</i>	AMK	CEFEP	CEFOT	CEFTAZ	CEFTRX	CIPRO	IMI	LEVO	MERO		
_____	<i>Pseudomonas aeruginosa</i>	AMK	CEFEP		CEFTAZ	CIPRO	IMI	LEVO	MERO	PIP		
_____	<i>Stenotrophomonas maltophilia</i>	TMZ										
Pathogen #	Other Organisms											
_____	Organism 1 (specify)	Drug 1	Drug 2	Drug 3	Drug 4	Drug 5	Drug 6	Drug 7	Drug 8	Drug 9		
_____	Organism 2 (specify)	Drug 1	Drug 2	Drug 3	Drug 4	Drug 5	Drug 6	Drug 7	Drug 8	Drug 9		
_____	Organism 3 (specify)	Drug 1	Drug 2	Drug 3	Drug 4	Drug 5	Drug 6	Drug 7	Drug 8	Drug 9		

Drug Codes:
 AMK = amikacin
 AMP = ampicillin
 AMPSUL = ampicillin/sulbactam
 CEFEP = cefepime
Result Codes:
 S = Susceptible I = Intermediate R = Resistant

CEFOT = cefotaxime
 CEFTAZ = ceftazidime
 CEFTRX = ceftroxime
 CIPRO = ciprofloxacin
 CLIND = clindamycin

DAPTO = daptomycin
 ERYTH = erythromycin
 GENT = gentamicin
 IMI = imipenem
 LEVO = levofloxacin
 N = not tested

LNZ = linezolid
 MERO = meropenem
 OX = oxacillin
 PENG = penicillin G
 PIP = piperacillin

PIPTAZ = piperacillin/tazobactam
 QUIDAL = quinupristin/dalfopristin
 RIF = rifampin
 TMZ = trimethoprim/sulfamethoxazole
 TOBRA = tobramycin
 VANC = vancomycin

CLABSI – Case Entry

NHSN Home

Reporting Plan

Patient

Event ←

- ▶ Add
- ▶ Find
- ▶ Incomplete

Procedure

Summary Data

Import/Export

Analysis

Surveys

Users

Facility

Group

Log Out

NHSN Home Logged into Scottsdale Healthcare Osborn (ID 11249) as KWALDROP.
Facility Scottsdale Healthcare Osborn (ID 11249) is following the PS component.

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*: Event #:

Patient ID*:

Social Security #:

Last 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

Event Details

Pathogens

CLABSI – Case Entry

Logged into Scottsdale Healthcare Osborn (ID 11249) as KWALDROP.
Facility Scottsdale Healthcare Osborn (ID 11249) is following the PS component.


Add Event

Mandatory fields marked with *

Fields required for record completion marked with **

Fields required when in Plan marked with >

Patient Information

Facility ID*: Scottsdale Healthcare Osborn (ID 11249) 

Event #: 3586188

Patient ID*: 9999999


Social Security #:


Secondary ID:

Last Name: WALDROP

First Name: KEVIN

Middle Name:

Gender*: M - Male 


Date of Birth*: 09/09/1969 

Ethnicity: 


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

Event Information

Event Type*: BSI - Bloodstream Infection  Date of Event*: 

Post-procedure: 

Location*: 


Date Admitted to Facility>: 


- Enter patient ID (usually MRN)
- NHSN will tell you patient not found unless you have previously entered patient for an event
- Add required patient information


CLABSI – Case Entry


Event Information

Event Type*: BSI - Bloodstream Infection  Date of Event*: 09/10/2010 


Post-procedure: N - No 


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


Location*: ICU OSBORN - ICU OSBORN 

Date Admitted to Facility*: 09/01/2010 

Risk Factors

Central line*: Y - Yes 

Location of Device Insertion: ICU OSBORN - ICU OSBORN 

Date of Device Insertion: 09/02/2010 

- Select “BSI” under Event Type.
- NHSN will automatically bring up the BSI form for you to fill in

CLABSI – Case Entry

Event Details

Specific Event*:

Specify Criteria Used*


Signs & Symptoms (check all that apply)

- Any patient <=1 year old
- | | |
|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> Fever | <input type="checkbox"/> Fever |
| <input type="checkbox"/> Chills | <input type="checkbox"/> Hypothermia |
| <input type="checkbox"/> Hypotension | <input type="checkbox"/> Apnea |
| | <input type="checkbox"/> Bradycardia |

Laboratory (check one)

- | |
|--|
| <input type="checkbox"/> Recognized pathogen from one or more blood cultures |
| <input type="checkbox"/> Common skin contaminant from >=2 blood cultures |

Died***:

Discharge Date: 

Pathogens Identified:

Pathogens

Pathogen 1:

Pathogen 2:

Pathogen 3:

- Event details – select LCBI (only choice available)
- Criteria fields will appear that allow you to enter specific signs and symptoms (based on LCBI criteria 1, 2, or 3)

CLABSI – Case Entry

The screenshot displays the CLABSI Case Entry form. The 'Pathogens' dropdown menu is open, showing a list of organisms. The 'Laboratory (check one)' section is also visible, with the 'Common skin contaminant from >=2 blood cultures' option selected. The 'Pathogen 1', 'Pathogen 2', and 'Pathogen 3' fields are empty, each with a 'Search' button.

Risk Factors [HELP](#)

Cer Aerococcus spp. - AESP
Location Aerococcus urinae - AEUR
Aerococcus viridans - AEVI
Date Bacillus cereus - BC
Bacillus spp. - BSP
Bacillus subtilis - BSU

Event Details

Specific Corynebacterium aquaticum - CORAQ
Corynebacterium bovis - CORBO
Corynebacterium cystidis - CORCY
Corynebacterium diphtheriae - CORDI
Specify Crite Corynebacterium glutamicum - CORGL
Signs & Sym Corynebacterium group G-2 - CORG2
Any patient Corynebacterium jeikeium - CORJK
Corynebacterium kutscheri - CORKU
Fever Corynebacterium matruchotii - CORMA
Chills Corynebacterium minutissimum - CORMI
Hypoten Corynebacterium mycetoides - CORMY
Corynebacterium pilosum - CORPI
Corynebacterium pseudodiphtheriticum - CORPD
Corynebacterium pseudotuberculosis - CORPS
Corynebacterium renale - CORRE
Corynebacterium spp. - COS
Discharg Corynebacterium striatum - CORST
Corynebacterium ulcerans - CORUL
Pat Corynebacterium urealyticum - CORUR
Ide Corynebacterium xerosis - CORXE
Diphtheroids - DIPTH

Pathogens

Gram-positive cocci unspecified - GPC
Micrococcus spp. - MS

Pathogen 1: Search

Pathogen 2: Search

Pathogen 3: Search

Laboratory (check one)

Recognized pathogen from one or more blood cultures

Common skin contaminant from >=2 blood cultures

Death*:

- The list of pathogens changes based on your selection under “Laboratory”
- If you select ‘common skin contaminant’, only organisms considered to be common skin contaminants will appear on list

CLABSI – Case Entry

Pathogens [HELP](#)

Pathogen 1: 1 drug required


Drug	Result
* <input type="text" value="AdVANC - Vancomycin"/>	<input type="text"/>

Pathogen 2:

Pathogen 3:

- Required antibiotics for reporting the sensitivity will appear based on the pathogen selected.
- For some pathogens, only 1 drug entry is required.

CLABSI – Case Entry

Pathogens 

Pathogen 1:

	Drug	Result
*	<input type="text"/>	<input type="text"/>
*	CLIND - Clindamycin	<input type="text"/>
*	DAPTO - Daptomycin	<input type="text"/>
*	ERYTH - Erythromycin	<input type="text"/>
*	GENT - Gentamicin	<input type="text"/>
*	LNZ - Linezolid	<input type="text"/>
*	OX - Oxacillin	<input type="text"/>
*	QUIDAL - Quinupristin/dalfopristin	<input type="text"/>
*	RIF - Rifampin	<input type="text"/>
*	TMZ - Trimethoprim/sulfamethoxazole	<input type="text"/>
*	VANC - Vancomycin	<input type="text"/>
*	<input type="text"/>	<input type="text"/>
*	<input type="text"/>	<input type="text"/>
*	<input type="text"/>	<input type="text"/>

- For certain recognized pathogens, NHSN will pull up a pre-selected required drug list for entry.
- If your lab reports the sensitivity, enter the S, I, R result.
- If your lab does NOT report or perform the sensitivity, enter as N – NOT TESTED

CLABSI – Case Entry


- Example of a completed pathogen and sensitivity entry

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

CLABSI – Case Entry

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

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

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

Logged into Scottsdale Healthcare Osborn (ID 11249) as KWALDRON
Facility: Scottsdale Healthcare Osborn (ID 11249) or following the PR component.

View Event

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

[Print PDF Form](#)

Patient Information [@HELP](#)

Facility ID*: Scottsdale Healthcare Osborn (11249) Event #: 3586188
 Patient ID*: 9999999
 Social Security #: _____ Secondary ID: _____
 Last Name: DUCK First Name: DAISY
 Middle Name: _____
 Gender*: F - Female Date of Birth*: 09/09/1969
 Ethnicity: _____
 Race: American Indian/Alaska Native Asian
 Black or African American Native Hawaiian/Other Pacific Islander
 White

Event Information [@HELP](#)

Event Type*: BSI - Bloodstream Infection Date of Event*: 09/10/2010
 Post-procedure: N - No
 MDRO Infection Surveillance*: No, this event pathogen/location is not in-plan for MDRO/CDAD Module
 Location*: ICU OSBORN - ICU OSBORN
 Date Admitted to Facility*: 09/01/2010

Risk Factors [@HELP](#)

Central line*: Y - Yes
 Location of Device Insertion: ICU OSBORN - ICU OSBORN
 Date of device Insertion: 09/02/2010

Event Details [@HELP](#)

Specific Event*: LCBI - Laboratory confirmed bloodstream infection

Specify Criteria Used*

Signs & Symptoms (check all that apply)
 Any patients <1 year old
 Fever
 Chills
 Hypotension
 Hypothermia
 Apnea
 Bradycardia

Laboratory (check one)
 Recognized pathogen from one or more blood cultures
 Common skin contaminant from >=2 blood cultures

Died**: N - No
 Discharge Date: _____
 Pathogens Identified: Y - Yes

Pathogens [@HELP](#)

Pathogen 1: staphylococcus aureus - SA 10 drugs required

Drug	Result
CLIND - Clindamycin	S - Susceptible
ERYTH - Erythromycin	R - Resistant
OX - Oxacillin	S - Susceptible
TMZ - Trimethoprim/sulfamethoxazole	S - Susceptible
VANC - Vancomycin	S - Susceptible
DAPTO - Daptomycin	N - Not Tested
GENT - Gentamicin	N - Not Tested
LNZ - Linezolid	N - Not Tested
QUIDAL - Quinupristin/dalfopristin	N - Not Tested
RIF - Rifampin	N - Not Tested

Custom Fields [@HELP](#)

Comments [@HELP](#)

- Use “FIND” to look up event by patient ID or name.
- You can edit or delete this event using the buttons at the bottom of the screen.

CLABSI – Denominator Entry

- Monthly reporting plan shows units that require denominator entries.

Logged into Scottsdale Healthcare Shea (ID 11363) as KWALDROP.
Facility Scottsdale Healthcare Shea (ID 11363) is following the PS component.

View Monthly Rep

Mandatory fields marked with *

Facility ID*: Scottsdale Healthcare Shea (11363)

Month*: November

Year*: 2010

Device-Associated Module [HELP](#)

Locations	CLA	BSI	DE	VAP	CAUTI	CLIP
ICU SHEA - ICU SHEA	X					
NIC - 2D NICU	X					

CLABSI – Denominator Entry

The screenshot shows the NHSN National Healthcare Safety Network interface. At the top, a blue header bar contains the text "NHSN - National Healthcare Safety Network". Below this, a navigation menu on the left lists several options: "NHSN Home", "Reporting Plan", "Patient", "Event", "Procedure", "Summary Data", "Import/Export", and "Analysis". The "Summary Data" option is expanded, showing sub-options: "Add", "Find", and "Incomplete". The main content area displays the text "Logged into Scottsdale Healthcare Shea (ID 11363) as KWALDROP. Facility Scottsdale Healthcare Shea (ID 11363) is following the PS component." Below this, the title "Add Patient Safety Summary Data" is prominently displayed. A dropdown menu labeled "Summary Data Type:" is set to "Device Associated - Intensive Care Unit/ Other Locations". At the bottom right of the form area, there are two buttons: "Continue" and "Back".

- Denominator data is entered under Summary Data option on the navigation tool bar.
- Under the 'ADD' option, select summary data type:
 - Device Associated – Intensive Care Unit/Other Locations = Adult ICU/PICU line days
 - Device Associated – Neonatal Intensive Care Unit = NICU line days
 - Device Associated – Specialty Care Area = Specialty Care Areas line days

CLABSI - Denominator Entry

NHSN - National Healthcare Safety Network

Home Plan Data Report

Logged into Scottsdale Healthcare Shea (ID 11363) as KWALDROP.
Facility Scottsdale Healthcare Shea (ID 11363) is following the PS component.

Denominators for Intensive Care Other locations (not NICU)

[HELP](#)

Mandatory fields marked with *

Facility ID*: 11363 (Scottsdale Healthcare Shea)

Location Code*: ICU SHEA - ICU SHEA

Month*: October

Year*: 2010

Total Patient Days*:

Central Line Days*:

Urinary Catheter Days:

Ventilator Days:

- Total Patient Days and Central Line Days are required for CLABSI reporting.
- NHSN calculates CLABSI rate and Device Utilization (DU) Ratio

CLABSI - Denominator Entry

Logged into Scottsdale Healthcare Shea (ID 11363) as KWALDROP.
Facility Scottsdale Healthcare Shea (ID 11363) is following the PS component.

Neonatal Intensive Care Unit

HELP

Mandatory fields marked with *

[Print PDF Form](#)

Facility ID*: 11363 (Scottsdale Healthcare Shea)

Location Code*: NIC - 2D NICU

Month*: October

Year*: 2010


Birth Wt.	Patient Days*	U/C Days*	CL Days*	Vent Days
<=750	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
751-1000	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1001-1500	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
1501-2500	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
>2500	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Save

Back

- Denominator data for NICU is based on birth weight
- If baby has both a Umbilical Catheter (U/C) and Central Line (CL), count line day as U/C day.

CLABSI – Data Analysis

 **NHSN Home** Logged into Scottsdale Healthcare Shea (ID 11363) as KWALDROP.
Facility Scottsdale Healthcare Shea (ID 11363) is following the PS component.

Reporting Plan
Patient
Event
Procedure
Summary Data
Import/Export
Analysis
 Generate Data Sets
 Output Options
 Statistics Calculator
Surveys
Users
Facility
Group
Log Out

Generate Data Sets

[HELP](#)

Generate Patient Safety Analysis Data Sets

Date Last Generated	Action
May 25 2010 1:52PM	<input type="button" value="Generate New"/>

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

- Data analysis options are under Analysis
- Generate data sets before output

CLABSI – Data Analysis

NHSN - National Healthcare Safety Network

Logged into Scottsdale Healthcare Shea (ID 11363) as KWALDROP.
Facility Scottsdale Healthcare Shea (ID 11363) is following the PS component.

Patient Safety Component
Analysis Output Options

Expand All Collapse All

- Device-Associated Module
 - All Device-Associated Events
 - Central Line-Associated BSI
 - Ventilator-Associated PNEU
 - Urinary Catheter-Associated UTI
 - Central Line Insertion Practices
 - Dialysis Events
- Procedure-Associated Module
- MDRO/CDAD Module - Infection Surveillance
- MDRO/CDAD Module - LABID Event Reporting
- MDRO/CDAD Module - Process Measures
- MDRO/CDAD Module - Outcome Measures
- Vaccination Module
- Advanced
- My Custom Output
- Published Output

Navigation menu (left): NHSN Home, Reporting Plan, Patient, Event, Procedure, Summary Data, Import/Export, Analysis (selected), Surveys, Users, Facility, Group, Log Out.

Analysis sub-menu (left): Generate Data Set, Output Options (highlighted), Statistics Calculations.

- Output options allows you to run reports and analyze data.
- CLABSI output options are under Device Associated Module.

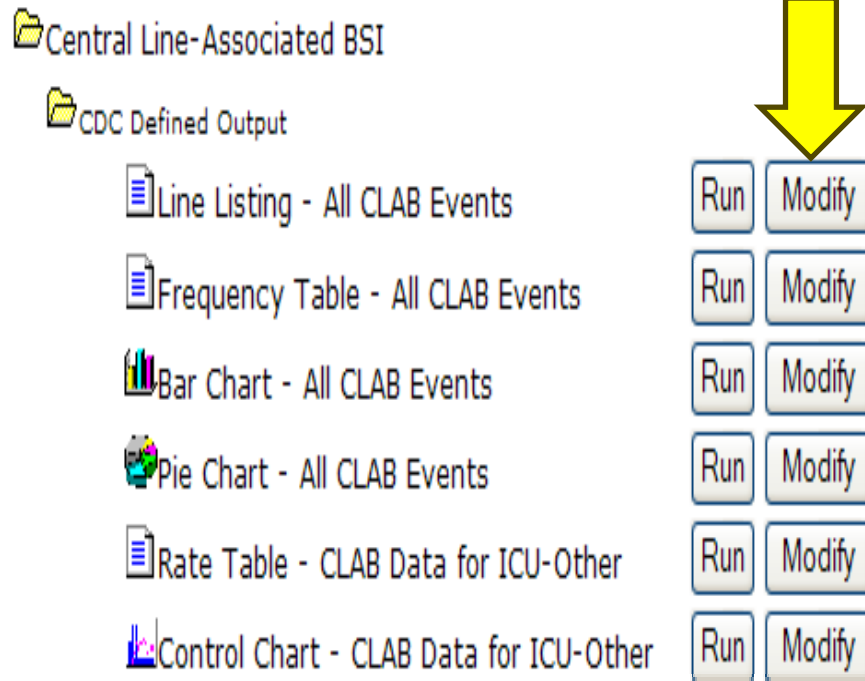
CLABSI – Data Analysis

Expand All Collapse All

- Device-Associated Module
 - All Device-Associated Events
 - Central Line-Associated BSI
 - CDC Defined Output
 - 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
 - Control Chart - CLAB Data for SCA
 - SIR - In-Plan CLAB Data
 - SIR - All CLAB Data
- Ventilator-Associated PNEU

- CDC has defined output reports available
- Line listing will show all CLABSI events entered in NHSN for your facility
- New data output options as of 10/2010 for CLABSI and SSI data.
- NHSN moving to SIR (standardized infection ratio) – risk adjusted instead of risk stratified
- For more info on SIR: http://www.cdc.gov/nhsn/PDFs/Newsletters/NHSN_NL_OCT_2010SE_final.pdf

CLABSI – Data Analysis



The screenshot shows a hierarchical menu structure for CLABSI data analysis. A yellow arrow points to the 'Run' and 'Modify' buttons for each option.

- Central Line-Associated BSI
 - CDC Defined Output
 - 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

Report Type	Run	Modify
Line Listing - All CLAB Events	Run	Modify
Frequency Table - All CLAB Events	Run	Modify
Bar Chart - All CLAB Events	Run	Modify
Pie Chart - All CLAB Events	Run	Modify
Rate Table - CLAB Data for ICU-Other	Run	Modify
Control Chart - CLAB Data for ICU-Other	Run	Modify

- Defined output can be modified to create custom reports.
- Custom report formats can be saved for future use.

CLABSI – Data Analysis

Logged into Scottsdale Healthcare Shea (ID 11363) as KWALDROP.
Facility Scottsdale Healthcare Shea (ID 11363) is following the PS component.

Line Listing

Analysis Data Set: CLAB_Events

Export data set to Excel

Modify Attributes of the Output:

Last Modified On: 11/05/2010

Output Type: Line Listing

Output Name:

Create custom file name and title for your facility's data

Output Title:

Select output format:

Output Format:

Use Variable Labels

Select a time period or Leave Blank for Cumulative Time Period:

Date Variable

Define time period for reports

Enter Date variable/Time period at the time you click the Run button

Specify Other Selection Criteria:

[Show Criteria](#) [Column +](#) [Row +](#) [Clear Criteria](#)

<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

CLABSI – Data Analysis

Specify Other Selection Criteria:

[Show Criteria](#) [Column +](#) [Row +](#) [Clear Criteria](#)

locLabel	patID	devInsertDate	eventDate	orgID

Create custom reports by selecting variables

Other Options:

Modify Variables to Display By Clicking: [Modify List](#)

Specify Sort Variables By Clicking: [Modify List](#)

Select Page by variable:

Create custom reports by modifying which variables are displayed (add or delete)

Run Save As Reset Back Export Output Data Set

- Save as a custom report
- Export new data set to Excel


CLABSI Reporting Complete!

- Identify CLABSI cases using NHSN criteria
- Enter CLABSI events in NHSN
- Enter denominator data in NHSN
- Select data output and create custom reports



Breathe...Relax





To view other WebEx recordings and to
download materials related to this

NHSN Training Series,

please go to

<http://www.hsag.com/azhospitals/mrsa/events.aspx>