

Clostridium difficile-Associated Disease (CDAD)

Module



Katherine Allen-Bridson, RN, BSN, CIC Division of Healthcare Quality Promotion Centers for Disease Control and Prevention





Background

NHSN ANNUAL UPDATE

Antimicrobial-Resistant Pathogens Associated With Healthcare-Associated Infections: Annual Summary of Data Reported to the National Healthcare Safety Network at the Centers for Disease Control and Prevention, 2006–2007

Alicia I. Hidron, MD; Jonathan R. Edwards, MS; Jean Patel, PhD; Teresa C. Horan, MPH; Dawn M. Sievert, PhD; Daniel A. Pollock, MD; Scott K. Fridkin, MD; for the National Healthcare Safety Network Team and Participating National Healthcare Safety Network Facilities

objective. To describe the frequency of selected antimicrobial resistance patterns among pathogens causing device-associated and procedure-associated healthcare-associated infections (HAIs) reported by hospitals in the National Healthcare Safety Network (NHSN).

METHODS. Data are included on HAIs (ie, central line-associated bloodstream infections, catheter-associated urinary tract infections, ventilator-associated pneumonia, and surgical site infections) reported to the Patient Safety Component of the NHSN between January 2006 and October 2007. The results of antimicrobial susceptibility testing of up to 3 pathogenic isolates per HAI by a hospital were evaluated to define antimicrobial-resistance in the pathogenic isolates. The pooled mean proportions of pathogenic isolates interpreted as resistant to selected antimicrobial agents were calculated by type of HAI and overall. The incidence rates of specific device-associated infections were calculated for selected antimicrobial-resistant pathogens according to type of patient care area; the variability in the reported rates is described.

RESULTS. Overall, 463 hospitals reported 1 or more HAIs: 412 (89%) were general acute care hospitals, and 309 (67%) had 200–1,000 beds. There were 28,502 HAIs reported among 25,384 patients. The 10 most common pathogens (accounting for 84% of any HAIs) were coagulase-negative staphylococci (15%), Staphylococcus aureus (15%), Enterococcus species (12%), Candida species (11%), Escherichia coli (10%), Pseudomonas aeruginosa (8%), Klebsiella pneumoniae (6%), Enterobacter species (5%), Acinetobacter baumannii (3%), and Klebsiella exytoca (2%). The pooled mean proportion of pathogenic isolates resistant to antimicrobial agents varied significantly across types of HAI for some pathogen-antimicrobial combinations. As many as 16% of all HAIs were associated with the following multidrug-resistant pathogens: methicillin-resistant S. aureus (8% of HAIs), vancomycin-resistant Enterococcus faecium (4%), carbapenem-resistant P. aeruginosa (2%), extended-spectrum cephalosporin-resistant E. coli (0.5%), and carbapenem-resistant A. baumannii, K. pneumoniae, K. oxytoca, and E. coli (0.5%). Nationwide, the majority of units reported no HAIs due to these antimicrobial-resistant pathogens.

Infect Control Hosp Epidemiol 2008; 29:996-1011

HICPAC Guidance On Management of MDROs in Healthcare Settings (8/10/2006)

First Tier: General Recommendations
For All Acute Care Settings

If endemic rates not decreasing, or if first case of important organism

What Metrics?

Second Tier: Intensified Interventions

e.g., chlorhexidine washes, active surveillance testing for MRSA

SHEA/HICPAC Position Paper (October 2008): Recommendations for MDRO Metrics in Healthcare Settings

- Define reasonable and practical metrics to best measure impact of prevention
- Authors from APIC, CDC, SHEA, HICPAC
- Five Categories of MDRO Outcome Measures
 - 1. Tracking Patients
 - Monitoring Susceptibility Patterns
 - 3. Estimating Infection Burden
 - 4. Estimating Exposure Burden
 - 5. Quantifying Healthcare Acquisition (which includes Transmission)

Recommended metrics from the SHEA/HICPAC Position Paper were the basis for the new MDRO and CDAD Module





Module Overview



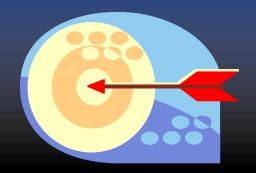
Patient Safety Component

Device-Associated Module Procedure-Associated Module Medication-Associated Module MDRO and CDAD Module

High-Risk
Inpatient Influenza
Vaccination Module

Goal of the MDRO and CDAD Module

- Monitoring of MDRO and C. difficile infection (CDI) helps to evaluate local trends and changes in the occurrence of these pathogens and related infections.
- This module provides a mechanism for facilities to report and analyze MDRO and CDI data, in order to inform infection control staff of the impact of targeted prevention efforts.



Organisms Monitored

- 1) Methicillin-Resistant *Staphylococcus aureus* (MRSA) (option w/ Methicillin-Sensitive *S. aureus* (MSSA)
- 2) Vancomycin-Resistant Enterococcus spp. (VRE)
- 3) Multidrug-Resistant (MDR) Klebsiella spp.
- 4) Multidrug-Resistant (MDR) Acinetobacter spp.
- 5) Clostridium difficile-Associated Disease (CDAD)



MDRO and *C. difficile*Current Definitions

- MRSA: S. aureus testing oxacillin resistant; or positive from molecular testing for mecA and PBP2a
- MSSA: S. aureus testing oxacillin intermediate or susceptible; or (option) negative from molecular testing for mecA and PBP2a
- VRE: Any Enterococcus spp. testing resistant to vancomycin
- MDR-Klebsiella: Klebsiella spp. testing intermediate or resistant to ceftazidime or ceftriaxone
- MDR-Acinetobacter: Acinetobacter spp. resistant to all agents tested within at least 3 antimicrobial classes, including β-lactams, carbapenems aminoglycosides, and fluoroquinolones
- C. difficile: Gastrointestinal System Infection-Gastroenteritis or Gastrointestinal System Infection-Gastrointestinal Tract where C. difficile is the associated pathogen

MDRO and *C. difficile* Definitions for 2011

- MRSA: S. aureus testing oxacillin resistant; or (positive from molecular testing for mecA and PBP2a)
- MSSA: S. aureus testing oxacillin intermediate or susceptible; or (negative from molecular testing for mecA and PBP2a)
- VRE: Any Enterococcus spp. testing resistant to vancomycin
- MDR-Klebsiella: Klebsiella spp. testing intermediate or resistant to ceftazidime or cefotaxime/ceftriaxone or cefepime
- MDR-Acinetobacter: Acinetobacter spp. testing intermediate or resistant to at least one agent within at least 3 antimicrobial classes of 6, including: penicillins, carbapenems, aminoglycosides, cephalosporins, quinolones, or sulbactam
- C. difficile: C. difficile is identified as the associated pathogen for Gastrointestinal System Infection-Gastroenteritis or Gastrointestinal System Infection-Gastrointestinal Tract

Reporting Requirements and Options

Active participants must choose main reporting method

Infection Surveillance

LabID Event Reporting

additional options then become available

Prevention Process Measures:

- Adherence to Hand Hygiene
- Adherence to Gown and Glove Use
- Adherence to Active Surveillance Testing

Outcome Measures:

AST Prevalence / Incidence

Reporting Methods

Location Specific:

- Select only a few locations or full facility coverage.
- Report separately from each selected location in the facility.
- Separate denominators (patient days, admissions, encounters) for both locations.

Facility-Wide Inpatient or Facility Wide Outpatient:

- Options available only in the MDRO/CDAD Module and only for LabID Event reporting.
- Report totals from throughout a facility's inpatient or outpatient locations.
- Single denominators (either patient days and admissions for FacWideIN, or encounters for FacWIDE OUT) for entire facility.

Monthly Reporting Plan for Lab ID Event

Til Til	Locations FACWIDEIN - FacWideIN	Enter both for	Specific Organ	ism Type	~
	Process and Outcome Measures Infection Surveillance AST-Timing	inpatient and	idence Prevalence	Lab ID Event All Specimens	Lab ID Blood
i		facility wide	MRSA - MRSA		~
	Process and Outcome Measures Infection Surveillance AST-Timing	AST-Eligible Inc	idence Prevalence	Lab ID Event All Specimens	Lab ID Blood
		~		✓	
	Add Rows Clear All Rows Copy from F	Previous Month			

Infection Surveillance



HAI: A localized or systemic condition resulting from an adverse reaction to the presence of an infectious agent or its toxin.
 There must be no evidence that the infection was present or incubating at the time of admission to the location.

- Report for at least three months any time in a calendar year
- Location specific reporting
- Inpatient locations (where denominator data can be collected)

Infection Surveillance Analysis

MDRO/CDI Infection Incidence Density Rate

(stratified by time and location)



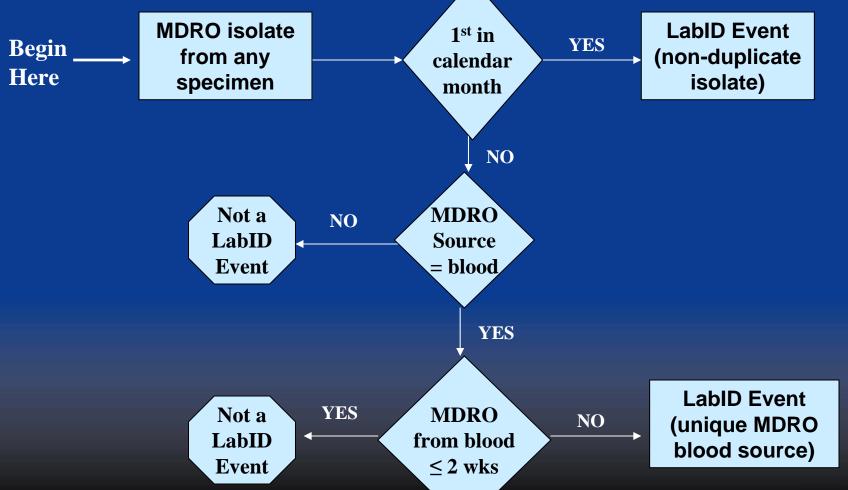
LabID Event Reporting

Purpose: To calculate proxy measures of MDRO or CDI events, exposures, healthcare acquisitions through monitoring and reporting data from positive clinical cultures.

LabID Event: A laboratory-identified event. First positive MDRO/CDI isolate collected for diagnosis/treatment for the patient in a location during a month. Only time a patient will have > 1 LabID Event reported for a location in a month is for bloods (MDRO) or stool (CDI), as these can be reported every 14 days.

- Report for at least three consecutive months in a calendar year
- Location specific or Overall facility-wide reporting
- Report all specimens or blood specimens only (for Facility-wide reporting)
- Inpatient locations (no NICUs or Well Baby Nurseries for CDI) and Outpatient locations (no dialysis centers nor Well Baby Clinics)

Identifying an MDRO LabID Event (if Monitoring All Specimens Only)



Categorization of LabID Events

NHSN Application Categorizes LabID Events as:

- Community-Onset (CO): LabID Event collected as an outpatient or as an inpatient ≤ 3 days after admission to the facility (i.e., days 1 (admission), 2, or 3)
- Healthcare Facility-Onset (HO): LabID Event specimen collected > 3 days after admission to the facility (i.e., on or after day 4)
- Community-Onset Healthcare Facility Associated (CO-HCFA): LabID Event collected from a patient who was discharged from the facility < 4 weeks prior to date stool pecimen collected. * C diff only

LabID Event Reporting Analysis

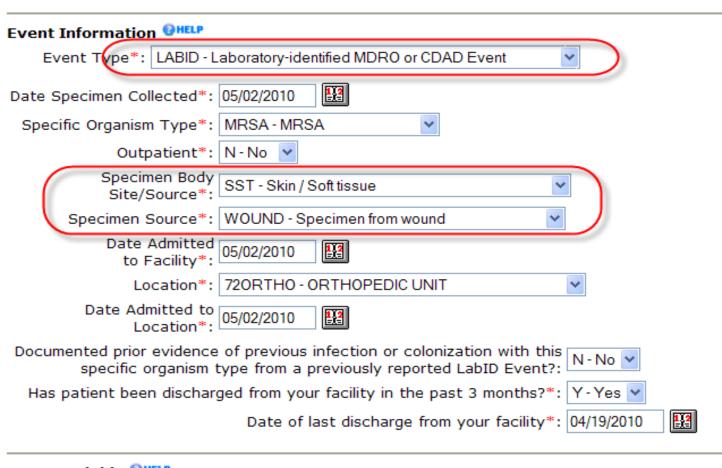
Exposure	Infection	Acquisition
V		
1		
V	V	
	√	√
		√
		√ √ √
	√ √	√ √ √

Infection Surveillance

Event Information @HELP	
Event Type*: SST - Skin and Soft Tissue	≥ ate of Event*: 02/13/2008
Post-procedure:	
MDRO Infection Yes, this event pathogen/location is in	-plan for MDRO/CDAD Modulo
Surveillance*:	-plan for widneyCDAD widdule
Specific Organism MDR-Acinetobacter C. of Type*:	lifficile MDR-Klebsiella
✓ MRSA	SA VRE
Location*: INMEDCC - INMEDCC	
Date Admitted to Facility*: 02/02/2008	
to Facility*:	
Risk Factors	
Event Details Office	
Specific Event*: SKIN-Skin	V
specify Criteria Used heck all that apply)	
Signs & Symptoms	Laboratory & Diagnostic Testing
Abscess	Positive blood culture
Heat Hypotension	Positive culture
Hypothermia	Other positive laboratory tests
Redness	Positive culture of pathogen
Fever	Positive culture of skin contaminant
Purulent drainage or material	
Pain or tenderness	Clinical Diagnosis
Localized swelling	Physician diagnosis of this event type
Other evidence of infection found on direct exam, during surgery, or by diagnostic tests	Physician institutes appropriate antimicrobial therapy
Other signs & symptoms	, , , , , , , , , , , , , , , , , , , ,
Secondary	
Bloodstream N-No 💌	
Infection*:	
Died**: N-No	
Discharge Date:	
Pathogens Identified: Y-Yes V If Yes, specify below	
Identified: Y-Yes V If Yes, specify below	->
Pathogens @HELP	
	Correlate to the second
Pathogen 1: Staphylococcus aureus - SA	Search 10 drugs required
Drug	Result
sk	

LabID Events







1.2

LabID Events versus AST

- LabID Event reporting is ONLY for collecting and tracking positive cultures that are taken for "clinical" purposes (i.e., for diagnosis and treatment), which means NO active surveillance testing/cultures (AST/ASC) results are be included in this reporting of individual events.
- Active Surveillance Testing (AST) is for collecting and tracking positive cultures that are collected for surveillance purposes (e.g., nasal or rectal swabs) to identify patients that are colonized with a specific organism (i.e., MRSA or VRE) at admission to a location and at discharge or transfer out of the location. The data are NOT collected on an individual basis, but instead are entered as aggregate counts.

Adherence to Prevention Process Measures

- Required Minimum Reporting if chosen:
 - a) HH: at least 30 unannounced observations after HCW contact with patient or objects near patient
 - b) GG: at least 30 unannounced observations during HCW contact with patient or objects near patient
 - c) AST: conducted on patient Admission or Admission & Discharge for MRSA and/or VRE only on All or those with No History
- Report for at least one month in a calendar year
- Location specific reporting (suggest same location as IS or LabID reporting)
- Inpatient locations and Outpatient (for HH) locations











Adherence Rate to Process Measures

AST Outcomes Measures

<u>Purpose</u>: To allow facilities to more accurately quantify exposure burden (prevalence) and/or healthcare acquisition (incidence) of MRSA and/or VRE

- Report for at least one month in a calendar year
- Location specific reporting:
 - required same location where AST adherence is performed
 - suggest same location where Infection Surveillance or LabID Event reporting is conducted
- Inpatient locations



AST Outcomes Measures Definitions

CDC

- AST at Admission provides Prevalence data
 - Known Positive
 - Patient with documented MRSA or VRE colonization or infection in previous 12 months
 - Admission AST or Clinical Positive
 - Patient with MRSA or VRE isolated from specimen collected on admission (≤ 3 days)
- AST at Discharge/Transfer provides Incidence data
 - Patient with stay > 3 days
 - No documented MRSA or VRE in previous 12 months or on admission (≤ 3 days)
 - MRSA or VRE isolated from specimen collected > 3 days after admission or at time of discharge/transfer

AST Outcome Measures Analysis



AST Admission Prevalence

AST Incidence / Direct Acquisition

of Discharge/Transfer AST and New Clinical Positives

X 1000





Analysis and Output

1) Generate a Dataset





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

Import/Export

Analysis

Generate Data Sets

Output Options

Surveys

Users

Facility

Group

Log Out

Logged into DHQP Sievert Memorial (ID 10471) as DSIEVERT.
Facility DHQP Sievert Memorial (ID 10471) is following the PS component.

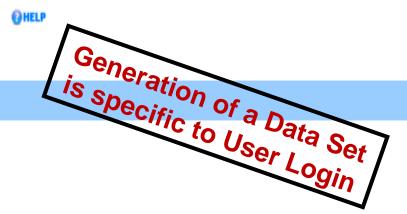
Generate Data Sets

Generate Patient Safety Analysis Data Sets

Date Last Generated Action

Mar 10 2010 2:51PM





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.

Back

2) Choose Output Options



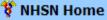


Department of Health and Human Services

Centers for Disease Control and Prevention

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

| NHSN Home | My Info | Contact us | Help | Log Out



Reporting Plan

Patient

Event

Procedure

Summary Data

Analysis

Generate Data Sets

Output Options

Surveys

Users

Facility

Group

Log Out

Logged into Pleasant Valley Hospital (ID 10312) as DSIEVERT.

Facility Pleasant Valley Hospital (ID 10312) is following the PS component.

Patient Safety Component

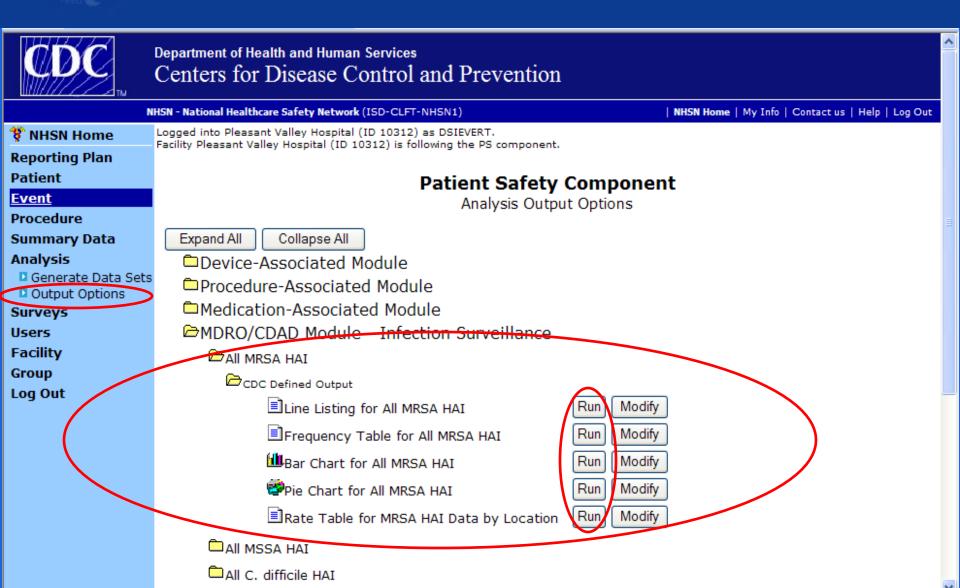
Analysis Output Options

Expand All

Collapse All

- 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
- My Custom Output
- Published Output

3) Choose Reporting Option and Organism



4) Basic Run Options – Line Listing

National Healthcare Safety Network

Line Listing - All MRSA HAI

As of: March 9, 2009 at 5:09 PM Date Range: All MDRO_EVENTS

							_				/ \	\				
orgID	eventID	eventType	centralLine	urinaryCath	ventUsed	postProc	spcEvent	admitDate	eventDate	location	mrsa	mssa	vre	acine	kleb	cdif
10312	13017	REPR					EMET	01/15/2008	01/23/2008	INHONCSCA	Υ	N	N	N	N	N
10312	13027	SST					DECU	01/12/2008	01/23/2008	INHONCSCA	Υ	Ν	N	N	N	N
10312	13029	SST					DECU		01/15/2008	INHONCSCA	Υ	N	N	N	N	N
10312	13048	REPR				N	OREP	01/25/2008	01/30/2008	INSURGCC	Υ	N	N	N	N	N
10312	13133	SST					DECU	01/15/2008	01/24/2008	PEDMEDSUR	Υ	IN I	N	N	N	N
10312	13216	BSI	N				LCBI	10/29/2008	11/12/2008	INMEDCC	Υ	N	N	N	N	N
10312	13221	SST					DECU	11/09/2008	11/27/2008	INMEDCC	Υ	N	N	N	N	N
10312	13474	SST				N	DECU	11/09/2008	11/12/2008	INMEDCC	Υ	N	N	N	N	N
10312	13561	BSI	N				LCBI	10/07/2008	10/23/2008	INMSCC	Υ	Ν	N	N	N	N
10312	13563	SST					SKIN	10/14/2008	10/16/2008	INMEDWARD	Υ	Ν	N	N	N	N
10312	13944	BSI	Υ			N	LCBI	11/15/2008	12/01/2008	INBMTSCA	Υ	N	N	N	N	N
10312	13950	BJ				N	BONE	11/30/2008	12/05/2008	INBMTSCA	Υ	N	N	N	N	N
10312	13973	SST					BURN		12/13/2008	INIFMWARD	Υ	N	N	N	N	N
10312	13977	LRI				N	LUNG		12/12/2008	INGIWARD	Υ	Y	Υ	Υ	Υ	N
10312	13995	EENT				N	UR	12/12/2008	12/16/2008	INENTWARD	Υ	N	N	Υ	Υ	N
10312	13997	EENT				N	UR	12/16/2008	12/17/2008	INENTWARD	Υ	Y	Υ	Υ	Υ	N
10312	14106	UTI		N			SUTI	12/01/2008	12/12/2008	INGIWARD	Υ	Ν	N	N	N	N
10312	14290	SSI					BONE	05/10/2008	05/15/2008	INORTWARD	Υ	N	N	N	N	N
10312	14293	BSI	N				LCBI	02/28/2008	03/02/2008	INCARDCC	Υ	N	N	N	N	N

Sorted by orgID eventID

5) Basic Run Options – Frequency Tables



National Healthcare Safety Network

Frequency Table - All MRSA HAI

As of: March 9, 2009 at 5:14 PM

Date Range: All MDRO_EVENTS

orgID=10312

Frequency Row Pct

П	Table of location by eventType										
	Table of location by eventType										
J,					even	tType)				
(location	BJ	BSI	EENT	LRI	REPR	SSI	SST	UTI	Total	
	INBMTSCA	1 50.00	1 50.00	0 0.00	0.00	0 0.00	0.00	0 0.00	0.00	2	
	INCARDCC	0 0.00	1 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	0 0.00	1	
	INENTWARD	0.00	0 0.00	2 100.00	0 0.00	0 0.00	0 0.00	0 0.00	0.00	2	
	INGIWARD	0 0.00	0 0.00	0 0.00	1 50.00	0 0.00	0 0.00	0 0.00	1 50.00	2	
	INHONCSCA	0 0.00	0 0.00	0 0.00	0 0.00	1 33.33	0 0.00	2 66.67	0 0.00	3	
	INIFMWARD	0.00	0 0.00	0 0.00	0.00	0 0.00	0.00	1 100.00	0.00	1	
	INMEDCC	0 0.00	1 33.33	0 0.00	0.00	0 0.00	0 0.00	2 66.67	0 0.00	3	
	INMEDWARD	0.00	0 0.00	0 0.00	0.00	0 0.00	0 0.00	1 100.00	0.00	1	
	INMSCC	0.00	1 100.00	0.00	0.00	0 0.00	0.00	0 0.00	0.00	1	
	INORTWARD	0.00	0.00	0 0.00	0.00	0.00	1 100.00	0.00	0.00	1	
	INSURGCC	0.00	0 0.00	0 0.00	0.00	1 100.00	0.00	0.00	0.00	1	
	PEDMEDSURG	0.00	0.00	0.00	0.00	0.00	0 0.00	1 100.00	0.00	1	
	Total	1	4	2	1	2	1	7	1	19	

National Healthcare Safety Network

Frequency Table - All MRSA LabID Events

As of: March 9, 2009 at 5:17 PM

Date Range: All LABID_EVENTS

orgID=10312

Frequency	Table of specimenSource by onset							
Row Pct		onset						
	specimenSource	co	НО	Total				
	BLDSPC	6 40.00	9 60.00	15				
	BONESPC	0.00	1 100.00	1				
	PUS	3 42.86	4 57.14	7				
	SKINSORE	1 100.00	0.00	1				
	SPUTUM	2 22.22	7 77.78	9				
	SRGEXSPC	1 50.00	1 50.00	2				
	ULCERSPC	0.00	1 100.00	1				
	URINE	1 100.00	0.00	1				
	WOUNDSPC	5 41.67	7 58.33	12				
	Total	19	30	49				

Data contained in this report were last generated on March 6, 2009 at 4:30 PM.

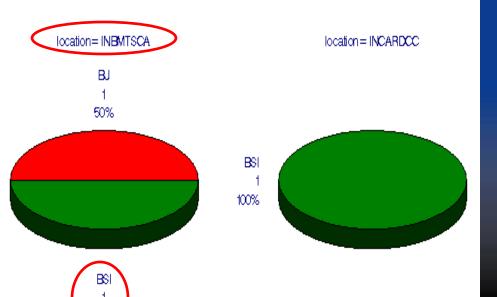
6) Basic Run Options – Pie or Bar Charts



National Healthcare Safety Network

Pie Chart - All MRSA HAI

March 9, 2009 at 5:22 PM As of: Date Range: All MDRO EVENTS orqID= 10312 FREQUENCY of eventType



National Healthcare Safety Network Bar Chart - All MRSA LabID Events As of: March 9, 2009 at 5:21 PM Date Range: All LABID FVENTS orgID= 10312 location= INCARDCC Count

Data contained in this report were last generated on March 6, 2009 at 4:30 PM.

BLDSPC SPUTUM URINE

specimenSource

7) Basic Run Options – Rate Tables



National Healthcare Safety Network

Rate Table - All MRSA HAI by Location

As of: March 9, 2009 at 5:28 PM

Date Range: All MDRO_RATES

orgID=10312 locCDC=IN:ACUTE:CC:C

location	summaryYM	MRSACount	numPatDays	MRSARate
INCARDCC	2008M02	0	312	0.0
INCARDCC	2008M03	1	312	3.2

Source of aggregate data: Not available

Data contained in this report were last generated on March 6, 2009 at 4:30 PM.

National Healthcare Safety Network

Rate Table - All MRSA HAI by Location

As of: March 9, 2009 at 5:28 PM Date Range: All MDRO_RATES

orgID=10312 locCDC=IN:ACUTE:CC:M

location	summaryYM	MR	SACount	numPatDays	MRSARate
INMEDCC	2008M01		0	743	0.0
INMEDCC	2008M03		0	723	0.0
NMEDCC	2008M05		0	2000	0.0
INMEDCC	2008M08		0	66	0.0
INMEDCC	2008M11		3	533	5.6

National Healthcare Safety Network

Rate Table - All MRSA LabID Events by Location

MDRO Exposure Burden - Inpatient MRSA Admission Prevalence Rate

As of: March 9, 2009 at 5:30 PM Date Range: All LABID_RATESMRSA

orgID=10312 locCDC=' '

su	ımmaryYM	location	N	IRSA_admPrevCount	numAdms	MRSA_admPrevRate
	2007M01	ALL-IN	١	0	350	0.0
	2008M06	ALL-IN		0	120	0.0
	2008M11	ALL-IN		1	658	0.2
-						

Source of aggregate data: Not available

Data contained in this report were last generated on March 6, 2009 at 4:30 PM.

National Healthcare Safety Network

Rate Table - All MRSA LabID Events by Location

MDRO Exposure Burden - Inpatient MRSA Admission Prevalence Rate

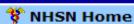
As of: March 9, 2009 at 5:30 PM Date Range: All LABID_RATESMRSA

orgID=10312 locCDC=IN:ACUTE:CC:C

summaryYM	location	MR	SA_admPrevCount	numAdms	MRSA_admPrevRate
2008M02	INCARDCO		1	23	4.3
2008M03	INCARDCC		0	23	0.0
2008M06	INCARDCC		0	10	0.0
2898M11	INCARDEC		1	23	4.3

Modify - Output Options





Reporting Plan

Patient

Event

Procedure

Summary Data

Analysis

D Generate Data Sets

Output Options

Surveys

Users

Facility

Group

Log Out

Logged into Pleasant Valley Hospital (ID 10312) as DSIEVERT.
Facility Pleasant Valley Hospital (ID 10312) is following the PS component.

Patient Safety Component

Analysis Output Options

Expand All Collapse All

Device-Associated Module

Procedure-Associated Module

Medication-Associated Module

MDRO/CDAD Module - Infection Surveillance

MDRO/CDAD Module - LABID Event Reporting

All LabID Events

□ All MRSA LabID Events

All MSSA LabID Events

All C. difficile LabID Events

CDC Defined Output

Line Listing for All CDIF LabID Events

Frequency Table for All CDIF LabID Events

Bar Chart for All CDIF LabID Events

Pie Chart for All CDIF LabID Events

Rate Table for CDIF LabID Data by Location

Run Modify
Run Modify
Run Modify
Run Modify
Run Modify
Run Modify

Modify – Line Listing

Logged into Pleasant Valley Hospital (ID 10312) as DSIEVERT. Facility Pleasant Valley Hospital (ID 10312) is following the PS component. 👸 NHSN Home Reporting Plan Line Listing Patient Event Export Analysis Data Set Analysis Data Set: LabID_Events Procedure Summary Data Analysis Generate Data Sets **Modify Attributes of the Output:** Output Options Surveys 03/11/2000 Last Modified On: Users Output Type: Line Listing Facility Group Line Listing for All CDIF LabID Events Output Name: Log Out Output Title: Line Listing - All CDIF LabID Events Select output format. HTML Output Format: Use Variable Labels Select a time period or Leave Blank for Cumulative Time Period: Data variable Beginning specimenDate 01/01/2008 12/31/2008 Clear Time Period Enter Date variable/Time period Select Variables to include in Line Listing Available Variables Selected Variables mdroIncompleteFlag <a> patID Specify Other Selection Criteria: mdroInfPlan eventID modifyDate location Show Criteria Column + Row + modifyUserID outpatient mrsa prevPos cdif mssa onset onsetDesc cdiAssav = YadmitDate oralD IocationAdmitDate patDischarge patGName >> specimenDate patMName patRaceAAB All >> Up patRaceAMIN patRaceASIAN patRaceNH_PI << Down patRaceWHITE patSurname prevDisMons All << Other Options: spcOrgType specDateYH Modify Variables To Display By Clic specDateYM specDateYQ Specify Sort Variables By Clicking: specDateYr specimenSource Select Page by variable: specimenSourceDes ssn vre Run Reset Close

Modify – Rate Table



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

Show Histogram

| NHSN Home | My Info | Contact us | Help | Log Out NHSN - National Healthcare Safety Network (ISD-CLFT-NHSN1) Logged into Pleasant Valley Hospital (ID 10312) as D Facility Pleasant Valley Hospital (ID 10312) is Friowin 👣 NHSN Home Reporting Plan **Analysis Rate Table Patient** Event Analysis Data Set: LABID_RatesMRSA Export Analysis Data Set Procedure **Summary Data** Analysis Generate Data Sets **Modify Attributes of the Output:** Output Options Surveys Last Modified On: 03/06/2009 Users Rate Table Output Type: Facility Group Output Name: Rate Table for MRSA LabID Data by Location Log Out Output Title: Rate Table - All MRSA LabID Events by Location Select output format: Output Format: RTF (Rich Text Format) Choose page Orientation: Portrait Landscape Use Variable Labels cave Blank for Cumulative Time Period: Date Variable Beginning Ending Clear Time Period at the time you click the Run button Enter Date **Specify Other Selection Criteria:** Show Criteria Column + Row + Clear Criteria location = INMEDCC FYI: an "or" command works by using diagonal cells Print Variable Reference List Other Options: Group by: summaryYM ~

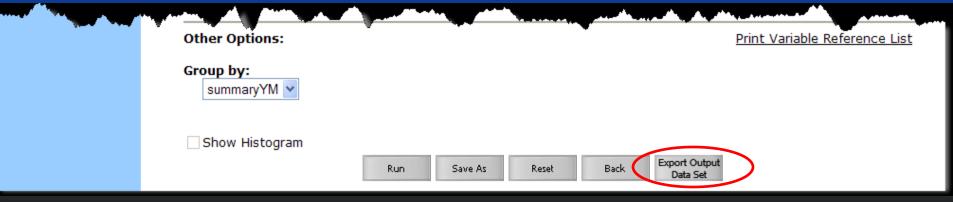
Save As

Export Output

Export 'Analysis' or 'Output' Data Set



 "Export Analysis Data Set": will export the data from the category through which you have navigated to get to the Modify screen.



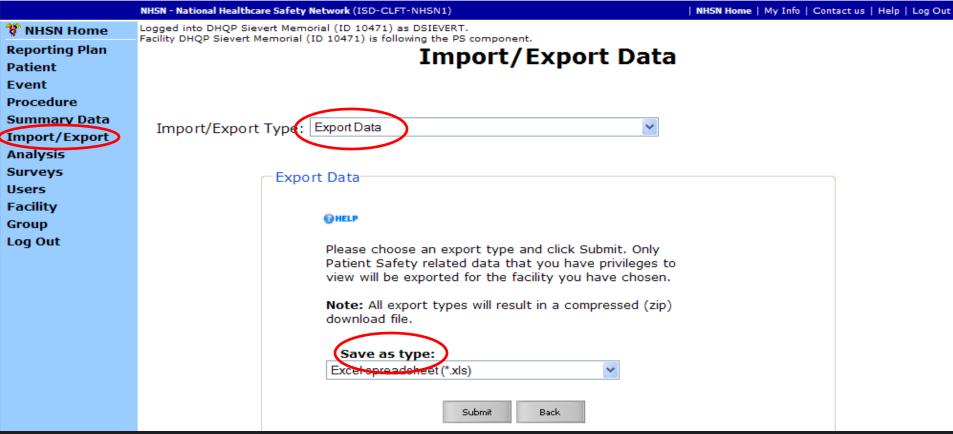
"Export Output Data Set": will export the data from the subset which you have specified on the Modify screen.

Export Data Set Facility Users Only





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



"Export Data": will export all data in all categories ever entered for the facility.





Home Page:

http://www.cdc.gov/nhsn





Questions