Release 8.6 scheduled January 7, 2017 **NHSN 8.6 RELEASE**

NHSN User Interface Upgrade



Centers for Disease Control and Prevention CDC 24/7: Saving Lives, Protecting People™



PREETI

Welcome PREETI

All Facilities Selected.

Dialysis Group Example

NHSN - National Healthcare Safety Network

NHSN Home

Reporting Plan
Event
Summary Data
Surveys
Analysis
Users
Group
Tools
Logout

NHSN Dialysis Component Home Page

Assurance of Confidentiality: The voluntarily provided information obtained in this surveillance system that w individual or institution is collected with a guarantee that it will be held in strict confidence, will be used only for otherwise be disclosed or released without the consent of the individual, or the institution in accordance with Se Public Health Service Act (42 USC 242b, 242k, and 242m(d)).

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ñ	NHSN Home
	My Info
<u>a</u>	Contact us
?	Help
•	Log Out

Form Changes

Dialysis Event

"If new antimicrobial start, was a blood sample collected for culture?"

Yes/No

Event Details @ Help

Specify Event (check one or more) *:
🗹 IV antimicrobial start
Was vancomycin the antimicrobial used for this start?: Y - Yes 🗸
Was this a new outpatient start or a continuation of an inpatient course? *: New antimicrobial start 🛛 🗸
If new antimicrobial start, was a blood sample collected for culture?:
Positive blood culture Y - Yes N - No
Suspected source of positive blood culture:
\Box Pus, redness, or increased swelling at vascular access site
Check the access site(s) with pus, redness, or increased swelling:
Fistula Graft Tunneled Central Line Nontunneled Central Line Other vascular access device

Annual Survey

"What form of saline flush is most commonly used?"

37.	What form of saline flush is most commonly used? (choose one) **	
E.5. Ar 38.	Manufacturer pre-filled saline syringes Flushes are drawn from single-use saline vials Flushes are drawn from multi-dose saline vials Flushes are drawn from the patient's designated saline bag used for dialysis Flushes are drawn from the patient's dialysis circuit Flushes are drawn from a common saline bag used for all patients Other	tibiotic use? **
	b. Formulary restrictions? ** No 🗸	

New Facility-Level Standardized Infection Ratio (SIR) report

Available to both facilities and groups



 SIR report will display facility's observed BSI rate, patient-months, predicted number of BSI, SIR, and 95% Confidence Internal for SIR

21 Day Rule Hard Stop - impacts manual entry and CDA

Manual entry error message:

Error		
One or more dialysis events were report should be reported to NHSN. To learn al	ted for this patient less than 21 days from this ever bout the 21 day rule, refer to the Dialysis Event Pro	nt date. Please review the events to determine which otocol.
Click the Event link to view the event(s)	(current data will be lost). Click OK to return to the	e current event.
	IN NO Page 1 of 1 IN V	View 1 - 1 of 1
Event Number 🜩	Event Type	Event Date
<u>46301</u>	Blood Culture	04/13/2016
φ	⊷ « Page 1 of 1 ⇒ ⊨ 10 ∨	View 1 - 1 of 1

ОК

×

CDA error message:

Reason for failure:	
2.1	Error in Data registration : DS_74.zip/481_2.xml. Error message: Error in adding/updating record of DS_74.zip/481_2.xml Duplicate import records or violation of 21 day rule.
2.2	Error in Data registration : DS_74.zip/481_1.xml. Error message: Error in adding/updating record of DS_74.zip/481_1.xml Duplicate import records or violation of 21 day rule.

New Facility-Level Unusual Susceptibility Profiles

- Users receive alert when entering an event that fits an Unusual Susceptibility Profile
- Line listing report to view facilities with pending alerts available to groups



Unusual Susceptibility Profiles	Profile Codes	Definition of Unusual Susceptibility Profiles	Alert Message Type
Carbapenem-resistant Enterobacteriaceae	CRE	Carbapenem (imipenem, meropenem, doripenem, ertapenem) is Resistant(R)	CR
Highly Drug-Resistant Enterobacteriaceae	HDR_E	 Defined as highly drug-resistant if all five drug classes have at least one drug within the class reported as either Intermediate(I) or Resistant(R): Extended spectrum cephalosporin (cefepime, cefotaxime, ceftriaxone, ceftazidime) Fluoroquinolones (ciprofloxacin, levofloxacin, moxifloxacin) Aminoglycosides (amikacin, gentamicin, tobramycin) Carbapenems (imipenem, meropenem, doripenem, ertapenem) Piperacillin/tazobactam 	Other
Colistin/Polymyxin B-resistant Pseudomonas aeruginosa	PR_PA	Colistin/polymyxin B is Intermediate(I) or Resistant(R)	Other
Carbapenem-intermediate or -resistant Pseudomonas aeruginosa	CR_PA	Carbapenem (imipenem, meropenem, doripenem) is Intermediate(I) or Resistant(R)	CR
Highly Drug-Resistant <i>Pseudomonas aeruginosa</i>	HDR_PA	 Defined as highly drug-resistant if all five drug classes have at least one drug within the class reported as either Intermediate(I) or Resistant(R): Extended spectrum cephalosporin (cefepime, ceftazidime), Fluoroquinolones (ciprofloxacin, levofloxacin) Aminoglycosides (amikacin, gentamicin, tobramycin) Carbapenems (imipenem, meropenem, doripenem) Piperacillin or piperacillin/tazobactam 	Other
Colistin/Polymyxin B-resistant Acinetobacter baumannii	PR_ACBA	Colistin/polymyxin B is Resistant(R)	Other
Carbapenem-intermediate or -resistant Acinetobacter baumannii	CR_ACBA	Carbapenem (imipenem, meropenem, doripenem) is Intermediate(I) or Resistant(R)	CR
Highly Drug-Resistant Acinetobacter baumannii	HDR_ACBA	 Defined as highly drug-resistant if all six drug classes have at least one drug within the class reported as either Intermediate(I) or Resistant(R): Extended spectrum cephalosporin (cefepime, ceftazidime), Fluoroquinolones (ciprofloxacin, levofloxacin) Aminoglycosides (amikacin, gentamicin, tobramycin) Carbapenems (imipenem, meropenem, doripenem) Piperacillin or piperacillin/tazobactam Ampicillin/sulbactam 	Other
Daptomycin non-susceptible and Linezolid-resistant <i>Enterococcus</i> spp.	HDR_ENTSP	Daptomycin is Non Susceptible(NS) AND Linezolid is Resistant(R)	Other
Vancomycin-resistant Staphylococcus aureus (VRSA)	VR_SA	Vancomycin is Resistant(R)	VRSA
Daptomycin non-susceptible and Linezolid-resistant and Vancomycin-intermediate <i>Staphylococcus aureus</i>	HDR_SA	Daptomycin is Non Susceptible(NS) AND Linezolid is Resistant(R) AND Vancomycin is Intermediate(I)	Other
Vancomycin-resistant <i>Staphylococcus</i> , coagulase negative (VRSE)	VR_CSN	Vancomycin is Resistant(R)	Other

New alert when 'Other vascular access device' checked and 'Catheter-graft hybrid' is No

Warning when facility enters duplicate CCN

LI FISLUIA	
Buttonhole? 🗸 🗸	Wa
Graft	You
✓ Tunneled Central Line	devi
Nontunneled Central Line	graf
Other vascular access device	type
Is this a catheter-graft hybrid? * N - No 🗸	rep
Vascular access comment:	cath
Patient's dialyzer is reused? *:	cate you
Event Details ^{(2) Help}	clas
Specify Event (check one or more) *:	

IV antimicrobial start

Was vancomycin the antimicrobial used for the



have selected "Other vascular access ice" and indicated this is not a catheterft hybrid. Please make sure the access e you are reporting is a vascular access e and is correctly categorized. Do not ort peritoneal dialysis (PD) catheters in field. Some access devices, (e.g., femoral heters) should fall under the central line egory. Check the protocol or discuss with Ir team to determine the correct sification.

OK

Unknown

Delete	Warning X	e
	The CCN already exists for another facility enrolled in NHSN. Please	
	and contact the NHSN help desk (nhsn@cdc.gov) for further assistance.	
Add Row	Otherwise, click CANCEL and enter a different CCN.Click here for more information on this warning:	
or CMS ESRD QIP, the C	<u>idetails</u>	ndar year.
CCN Effective Date is the onds to data from the sare the calendar year follow <u>sis Facilities</u> .	OK Cancel	inuary 1, th CN corresp <u>tive Date C</u>

NHSN Facilities

New facility type for home/peritoneal dialysis (AMB-HDPD)

- Facilities already enrolled automatically migrated over to new facility type in NHSN
- New facilities can select facility type upon enrollment

scre

Facility Administrators can log in to facilities to change facility type in the 'Facility Info'

en	Fax:	
	Facility: AMB-HDPD - Home Dialysis Center	
	Facility type *: AMB-HEMO - Hemodialysis Center	
	Was this facility operatic HOSP-CAH - Critical Access Hospital HOSP-CHLD - Children's Hospital	0

Home facilities and peritoneal facilities must fill out an annual survey in Healthcare Personnel Safety (HPS) Component

 If a 2017 annual survey has not been entered, facilities will be prevented from creating Monthly Reporting Plans for the 2017/2018 flu season

Resolution of System Defects

New loophole to create duplicate events involving patient ID

After release, this loophole will be closed

Rate Table – IV Antimicrobial Start not running when grouped by summaryYM

After release, the report will run when summaryYM is selected as the group by variable

All rate tables not running as CSV when grouped by summaryYM

 After release, all rate tables will run when the output option is csv and summaryYM is selected as a group by variable

NHSN RELEASE 8.6 ANALYSIS UPDATES

NHSN User Interface Upgrade

New Analysis Modify screen

- Tabs for each section
- Displays descriptive variable names (can toggle on/off)
- New data filters tool

Modify "Rate Table - Bloodstream Infection Data"				
Show descriptive variable names (Print List)		Analysis Data Set: PBC_Rates	Type: Rate Table	Data Set Generated On: 11/02/2016 15:53:00
Title/Format Time Period Filters Display (Options			
Additional Filters: 😰 Show 🗶 Clear				
AND OR				Add group
AND OR				Add rule
Access Type	✓ equal	✓ Fistula ✓		Delete
Access Type				Delete
CMS Certification Number City				
County Name Location				
Location Type CDC Location				
Facility Name				
Events				
Facility Org ID				
In-Plan Pateint Months Number Bloodstream Infections				
Bloodstream Infection Rate/100 patient-months				
Summary~Yr/Half Summary Year/Month			► Run	Save 👔 Export Close
Summary~Yr/Qtr Summary~Yr				
Zip				

How to Run a Report with Default Settings

Click "Analysis" and then "Reports"

Click the report name and then "Run Report"

NHSN Home	
lerts	
Reporting Plan	•
Patient	•
Event	•
Summary Data	•
Import/Export	
Surveys	•
Analucia	
Analysis	· ·
Users	•
Facility	

How to Modify the Format of a Report

- Click the report name and then click "Modify Report"
- The report format can be changed on the "Title/Format" tab
- Click the box next to the desired format
- Then, click "Run" to run the report, "Save" to save the modifications as a custom report, or click another tab on the Modify screen to make additional modifications

Modify "Line Listing - Dialysis Events"												
Show descriptive	variable names (Prin	nt List)		Analys	is Data Set: DE_Events	Type: Line Listing	Data Set Generated On: 10/20/2016 08:49:00					
Title/Format	Time Period	Filters	Display Variables	Sort Variables	Display Options							
Title:												
Line Listing for [Dialysis Events											
Format:												
• html	pdf	0	xls O	rtf								

How to Modify the Date Range of a Report

The date range can be changed on the "Time Period" tab

- Select the Date Variable and enter at least a beginning date
- Then, click "Run" to run the report, "Save" to save the modifications as a custom report, or click another tab on the Modify screen to make additional modifications

Modify "Line Listing - Dialysis Events"											
Show descr	iptive variable names (Pri	nt List)		Ап	alysis Data Set: DE_Events	Type: Line Listing	Data Set Generated On: 10/20/2016 08:49:00				
Title/Form	at Time Period	Filters	Display Variabl	es Sort Variable	Display Options						
Time Perio	d:										
	Date Variable		Beginning	Ending							
Event Da	ite	~	06/10/2016	12/01/2016	Clear Time Period						
Enter Date variable/Time period at the time you click the Run button											

How to Filter a Report for Specific Values

- Filters can be applied on the "Filters" tab
- Use the operators: Equal, Not Equal, In, Not In
- In the example below, event data will only display for patients with AVF only and a positive blood culture

Modify "Line Listing - Dialysis Events"				
Show descriptive variable names (Print List)		Analysis Data Set: DE_Events	Type: Line Listing	Data Set Generated On: 10/20/2016 08:49:00
Title/Format Time Period Filters	Display Variables	Sort Variables Display Options		
Additional Filters: 😰 Show 🛞	Clear			
AND OR				Add group
AND OR				Add rule
Access Type	~	equal 🗸 Fistula	v +	Delete
AND OR				Add rule Delete
Positive Blood Culture	~	equal 🗸 Y]	Delete

How to Specify Which Variables Display

Specify which variables will display in the report on the "Display Variables" tab

Move variables to display from the "Available Variables" list to the "Selected Variables" list by using the "Selected >" button

Figury Endelseng Brayss Events												
Show descriptive variable names (Print List)					Analysis Data Set: DE_Events Type: Line Li	sting D)ata Se	et Gen	erated On: 10/2	20/2016 08:49:00		
Title/Format Time Period Filters Display	y Va	Variables Sort			Variables Display Options							
Display Variables:	Display Variables:											
Available Variables:	Available Variables:						Selected Variables:					
(Old) Bleeding			All	•>	Event Date			^	Up			
(Old) Blood Culture	^				Admitted on DE Date		~					
(Old) Blood Culture Description		Selecte		>	Fistula			~	Down			
(Old) Cardiovascular Event					Graft							
(Old) Clotting		< Selecter			Other Access Device							
(Old) Fistula with Pus/Red/Swell Problem?				_	Tunneled Central Line							
(Old) Graft with Pus, Red, Swelling Problem?			All		Nontunneled Central Line			•	Undo			
(old) Hospitalization Dialysis Event type					IV Antimicrobial Start							
(Old) Local Access Infection					Positive Blood Culture							
(Old) Other noninfection access problem					Local Access Site Infection							
(Old) Perm Central Line with Pus, Red, Swell problem?	·				Access Related Bloodstream Infection							
(Old) Pneumonia					Vascular Access Infection							
(Old) Port					Hospitalization Outcome							
(Old) Port Placement Date	(Old) Port Placement Date 🗸 🗸				Death Outcome		\sim					
(Old) Port Placement Date Unknown					Loss of vascular access							

How to Sort the Report on Specific Variables

Specify which variables to use for sorting the data on the "Sort Variables" tab

Select variable(s) to use for sorting by moving them from the "Available Variables" list to the "Selected Variables" list by using the "Selected >"

n 上	Modify "Line Listin	g - Dialysis Event	s"										
	Show descriptive	e variable names (Pri	int List)			Analysis Data Set: DE_Events Type: Line Listing Data Set Generated On: 10/20/							/20/2016 08:4
	Title/Format	Time Period	Filters	Display	Varia	bles	Sort V	ariables	Display Options				
	Sort Variables:												
		Available Va	riables:		_				Selected Va	iables:			
	(Old) Bleedin;	g				All	•>				^	Up	
	(Old) Blood Culture												
	(Old) Blood Culture Description					Selected	>				~	Down	
	(Old) Cardiov	(Old) Cardiovascular Event											
	(Old) Clotting	5			-	< Selected							
	(Old) Fistula v	with Pus/Red/Swe	ll Problem?										
	(Old) Graft w	ith Pus, Red, Swell	ing Problem	?	<	a Ali					٠	Undo	
	(old) Hospital	ization Dialysis Ev	ent type										
	(Old) Local Ad	ccess Infection											
	(Old) Other n	oninfection access	s problem	problem?									
	(Old) Preumo	unia	is, Reu, Swei	problem:									
	(Old) Prieding	/110											
	(Old) Port Pla	cement Date											
	(Old) Port Pla	cement Date Unk	nown		•								

How to Separate Data into Tables

Variables used to separate the data into tables can be selected on the "Display Options" tab

Select a "Page by" variable from the drop-down menu

М	Modify "Line Listing - Dialysis Events"											
Ŀ	/ Show descriptive	e variable names (Pri	nt List)		Analys	is Data Set: DE_Events	Type: Line Listing	Data Set Generated On: 10/20/2016 08:49:00				
	Title/Format	Time Period	Filters	Display Variables	Sort Variables	Display Options						
	Line Listing Op	tions:										
	Page by varial	ble:		~								

How to Export Data

Option 1: export the entire data set

Click the report name and then click "Export Data Set"



Option 2: export a report with the default settings or after making modifications

 Click the "Export" button at the bottom of the Modify screen



Questions? Email <u>nhsn@cdc.gov</u> and include 'Dialysis' in the subject line

For more information please contact Centers for Disease Control and Prevention

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The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

