National Center for Emerging and Zoonotic Infectious Diseases



Webinar July 31st 2019 2:30– 3:30 PM EST

Methods and Analytics Team

National Healthcare Safety Network (NHSN)

- National Center for Emerging and Zoonotic Infections Diseases (NCEZID)
- Division of Healthcare Quality Promotion (DHQP)
- Centers for Disease Control and Prevention (CDC)

Disclosures:

The following speakers disclose no actual or potential conflict of interest in relation to this program/presentation. Amanda Clemons Lea Jordan Rebecca Yvonne Konnor

Objectives

- Demonstrate how to complete the Group's Define Rights Template
- Demonstrate how to use the Group's Membership Rights report
- Using case scenarios, describe how to generate, analyze, and interpret the Participation Alerts analysis reports
- Helpful tips on report selection for Acute Care Hospitals

NOTE: All Data used in the presentation are fictitious and does not reflect a real facility's or Group's data. They are for demonstration and education purposes only.

The Define Rights Template

Lea Jordan

The Group Function

- NHSN is a vehicle for sharing data between the Group and NHSN facilities
- Facilities can join Groups and provide access to data requested by Group within the NHSN application
- The core of the Group Function is the rights template
- Only users at the Group organization can see facility-level data; facilities cannot see each other's data

The Group Define Rights Template



- Once a Group is created, a Define Rights template is set up by the Group's Administrator and shared with Group member facilities
- The template specifies which data elements will be shared with Group
- Group members have limited ability to edit the template
- Group members accept the template of rights to complete data sharing with the Group
- Group can update the template as needed, and facilities must accept updated template to change data being shared with the Group
- Select the Group and Define Rights tab in NHSN navigation bar to create or update template of rights

Template Setup – General Tips

- Leave the "To" year box blank to ask facilities to share data without an end date
- Use the trash can icon to remove a row from the template
- Use the Add Row button to add additional rows to a section of the template
- Use the Clear All Rows button to remove all of the rows entered in a section of the template

Survey	/S			
	Year	Year	Survey Type	
Ì	\checkmark	To 🗸		\checkmark
Add Ro	ow Clear All Rows	Note: only complete survey da	ta are shared with groups.	

The Group Define Rights Template

- General Section
 - Patient information options
 - Monthly reporting plan, data analysis and facility information are required
- Annual Surveys
 - Required for SIRs and SURs

Define Rights-Patient Safety

! Please select the rights that facilities joining "Maggie's test group" will confer

	View Options	
Patient	O With All Identifiers	S
	 With Specified Identifie Gender D Medicare # N 	ers OB 🗌 Ethnicity 🗌 Race ame 🔲 SSN 🗹 Patient ID 🗹 Birthweight (NICU only)
Monthly Reporting Plan	V	
Data Analysis		
Facility Information	Best practice is leave 'end	to
Surveys < 2	year open	
Year	Year	Survey Type (All) Hospital Survey Data
		Hospital Survey Da Ambulatory Surgery Center Survey Data Long Term Acute Care Survey Data
Add Row Clear All Rows	Note: only complete survey data	are shared with groups. Inpatient Rehabilitation Facility Survey Dat

The Group Define Rights Template- DA Events



The Group Define Rights Template- PA Events

🕯 In 🗸 January 🗸	2015 ✓ To ✓ Procedure: COLO - Colon surgery	 ✓ ✓ 	SSI - Surgical Site Infection ✓ Must select setting for SSI Setting: ✓ IN ✓
In ✓ January ✓ Add Row Clear All Rows	2015 To Procedure: HYST - Abdominal hysterectomy	For SSI event type, add a separate row for each procedure category or select ALL SSI and PPP to request for All SSI	 SSI-Surgical Site Infection Setting: Im I I I I I I I I I I I I I I I I I I

The Group Define Rights Template : AUR Module

	Plan	Month	Year	Month	Year	Location Type	Location	Other Location Requirements
Î	(All) 💙	\sim	✓ To	~	~	(ALL) 🗸	(ALL)	
	Antimic	obial Use		☑ Antimicrobial R	esistance			
Ť	(AII) 🗸	~	✓ To	\checkmark	\sim	FACWIDE V	FacWIDEIn 🗸	
	✓ Antimicr	obial Use		🗹 Antimicrobial R	esistance			
A	ld Row C	lear All Rows						

- Location Type = (ALL), Location = (ALL)
 - Includes all individual inpatient and outpatient locations
- Location Type = FACWIDE, Location = FacWIDEIn
 - Includes FacWIDEIn
 - Must be included to receive FacWIDEIn data from facilities

The Group Define Rights Template: MDRO/CDI Events



- Location Type = FACWIDE, Location = FacWIDEIn
 - Includes FacWIDEIn (facility wide reporting, as one single location)
 - Must be included to receive FacWIDEIn data from facilities
- Location Type = (ALL), Location = (ALL)
 - Includes all <u>individual</u> inpatient and outpatient locations

The Group Define Rights Template: MDRO/CDI Events

Both	January	2015	То				FACWIDE	Emergency Department
		Specific Or	rganism Ty	/pe:				Event Type:
	ACINE - MD CDIF - C. diff CEPHRKLEE CRE - CRE (C MRSA - MRS MSSA - MSS VRE - VRE	R-Acinetoba ficile 3 - CephR-Kle CRE-Ecoli, CR 5A A	cter bsiella E-Enterol	oacter, CRI	E-Klebsiella)	LABID - Lab	oratory-identified MDRO or CDI Event
Both	January	2015	То				FACWIDE	Pediatric Emergency Department
		Specific Or	ganism Ty	/pe:				Event Type:
	CDIF - C. diff CEPHRKLEE CRE - CRE (C MRSA - MRS MSSA - MSS VRE - VRE	ficile 3 - CephR-Kle CRE-Ecoli, CR SA A	bsiella E-Enterol	oacter, CR	E-Klebsiella)		
Both	January	2015	То				FACWIDE	24-Hour Observation Area
		Specific O	rganism Ty	/pe:				Event Type:
	ACINE - MD	R-Acinetoba ficile	cter				LABID - Lab	oratory-identified MDRO or CDI Event

When you select Location Type = FACWIDE, Location = FacWIDEIn, the following are added automatically

- EmergencyDepartment
 - Adult
 - Pediatric
- 24-hourObservation Area

The Group Define Rights Template: MDRO/CDI Process and

Μ

Outcome Measures

- Used for requesting hand hygiene, gown, gloves and active surveillance testing data
- Request data by location type and location
- Similar to MDRO/CDI Events section
 - The location type and location selected should mirror that on the MDRO/CDI Events section
- The rights for ED/OBS are automatically added

DRO/CDI	Process & Outco	ome Measures	;				
Plan	Month	Year	Month	Year	Location Type	Location	Other Location Requirements
In 🗸	January 🗸	2015 🗸	To 🗸 🗸	~	FACWIDE 🗸	FacWIDEIn 🗸	9
	Process Measure	25		Organism	ASTAdm	AST Process & AST D/T	FACWIDEIN for 2015 and forward will also include ED and Observation locations
	Gown and G	oves		✓ MRSA			
	Auto added rights f	or ED/OBS					
	In January	2015 To	FACW	IDE Emerge	ncy Department		
	1 Process Measures		Organism	ASTAdn	AST Proce n AST D/T	ess & Outcome Measur AST Incidence	e AST Prevalence
	Gown and	giene d Gloves	MRSA				
-	In January	2015 To	FACW	'IDE Pediatri	c Emergency Departm	nent	
	2 Process Mea	isures	Organism	ASTAdn	AST Proce n AST D/T	ess & Outcome Measur AST Incidence	e AST Prevalence
	Gown and	giene d Gloves	MRSA				
-	In January	In January 2015 To		IDE 24-Hou	r Observation Area		
	3 Process Mea			ASTAdn	AST Proce n AST D/T	ess & Outcome Measur AST Incidence	e AST Prevalence
	Hand Hy Gown and	giene d Gloves	MRSA				
			VRE				

Saving and Sending the Template

NHSN Home		Define Rights-Patient Safety
Reporting Plan	•	
Event	•	Defined Rights saved successfully for 'LJ Test Group'
Procedure	×.	
Summary Data	•	General
Surveys	•	View Options
Analysis	•	Patient O With All Identifiers
Users	•	Without Any Identifiers
Group	•	Gender DOB Ethnicity Race
Logout		Medicare # Name SSN Patient ID Birthweight (NICU only)
		✓ Monthly Reporting Plan
		🗹 Data Analysis
		✓ Facility Information

- After completing template screen, click Save button at bottom of template screen
- Message indicating successful creation of template will be displayed for confirmation
- Template will immediately be sent to all of Group's member facilities for acceptance

Inviting Member Facilities

• After creating the rights template, the Group Administrator contacts potential member facilities by email with an invitation to join the Group.

• The invitation must include the Group's NHSN ID Number and Joining Password.

 The Administrator may wish to include with the invitation a summary or reasoning for the data elements on the rights template, and any helpful information regarding data use and security.

The joining of groups and the conferring of rights is performed electively by <u>administrative-level users</u> within the facility. The Facility Administrator would log in to the facility and component, navigate to **Group > Join**, and enter the group's NHSN ID and joining password. The application will then present the user with the group's template for acceptance.

Rights Acceptance Report

- The Rights Acceptance Report can be used to track which facilities have joined a Group and whether they have accepted the Group's template of rights
- The Rights Acceptance Report will be reset each time the Group updates or saves its template of defined rights

NHSN Home		Rights Acc	eptance Report				
Reporting Plan	•	0					
Event	•						
Procedure				re Page	1 of 1 == == 10 🗸		View 1-5 of 5
Commence Darks	1		Facility name	Facility ID 🗧	Accepted Date	Defined Date	Status
Jummary Data			DHQP Memorial Hospital	10000	Jan 92017 12:10PM	Sep 14 2016 2:32PM	Accepted
Rurveys	,		NHSN Test Medical Clinic	10864	Jan 11 2017 10:11AM	Sep 14 2016 2:32PM	Accepted
Analysis				40852		Sep 14 2016 2:32PM	Not Accepted
			11th SOW Test Facility B	40935	Jan 18 2017 3:28PM	Sep 14 2016 2:32PM	Accepted
Jsers	,		11th SOW Test Facility C	40936	Feb 10 2016 10:19AM	Sep 14 2016 2:32PM	Not Accepted
roup		Find Facility		+ + Page	t1 of 1 10 V		View 1 - 5 of 5
turner.		Edit Group Info					
ogous		Joining Password			Back		
		Evict Members					
		Send Email					
		Define Rights					
		Rights Acceptance Repor	t.				

NOTE: If you see a line of asterisks in place of a Facility Name, the specific facility has never conferred rights to your template. They have joined your group but have not conferred rights in the component you are logged into.

NHSN Resources for Group Users

- NHSN Group Functions
 - <u>https://www.cdc.gov/nhsn/group</u>
 <u>-users/index.html</u>
- How to start a Group in NHSN
 - <u>https://www.cdc.gov/nhsn/pdfs/groups-startup/CreateGroup-current.pdf</u>
- How to join a Group in NHSN
 - <u>https://www.cdc.gov/nhsn/pdfs/groups-startup/JoinGroup-current.pdf</u>

 Guide to Creating a Group in NHSN 2017. P [PDF - 1 MB] Guide to Joining a Group in NHSN 2017. P [PDF - 1 MB] Guide to Setting Up the Confer Rights Template - Patient Safety Component February 2015. P [PDF - 1 MB] CDC Guidance Regarding Use of Data by NHSN Groups. April 2019. P (PDF - 120 KB] Group Administrator NHSN Group Administrator Guide P (PDF - 926K] NHSN Rules of Behavior for Facility/Group Administrators. P (PDF - 678K] NHSN Group Analysis New! NHSN Analysis: The Group's Experience - September 2017. P (PDF - 9 MB] Using Plan Line List for QIO Group Users. P (PDF - 543K] Group User's Guide to the "Line Listing - Participation Alerts" Output Option. P (PDF - 372K] FAQs About NHSN New NHSN agreement. P (PDF - 94K] SEPD Network Group EAD. April 2019. P (PDF - 118 KP) 	Guides for Group Functions
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Membership Rights Report

Rebecca Yvonne Konnor

Analysis: Dataset Generation

- Dataset generation is user specific
- A generated dataset includes most recent 3 years by default
- To include all years of data, check the box highlighted in yellow
- Facilities do not have to generate datasets in order for Groups to analyze data
- When verifying a facility's data at the Group's view, be aware that the facility's report outputs may be based on a different dataset generation date
- Dataset generation may take several minutes based on the size of the Group



Group Membership Rights Report

- The data collected on the Define Rights Template is gathered into the Membership Rights line listing report
- The report provides details on the following:
 - The data the Group has requested
 - The data that the facility chooses to share with the Group based on what is requested and the data that are not shared with Groups
- The report is useful in different situations and should be used as part of the Group's routine data analysis and ran frequently
- Some of the situations in which the report is used are:
 - Determining the number of facilities who have conferred rights to the Group
 - Assessing the level of participation by their facilities
 - Troubleshooting the exclusion of a facility's data from the Group's analysis reports

Group Membership Rights Report

- The Membership Rights report is located in the Group-level Data subfolder in the Advanced folder
- The report has No Date Variable. It includes all data included in the generated dataset
 - The report can be modified to limit the output to all or subset of data



Please use the How to Modify a Report on how to modify reports:

https://www.cdc.gov/nhsn/pdfs/ps-analysisresources/howtomodifyreport.pdf

- One of the most important places to start from when reviewing facilities data at the Group level, is to confirm that they are sharing data with the Group.
 - Facilities use the N/A Check box to indicate whether they want to share data with the Group or not
- In this example:
 - Using the "N/A Checked" variable, limit the output presented on the Group Membership Rights report to the specific subset of facilities whose data will not show up on any of the analysis reports. I therefore set my N/A Checked? To Y

Modify "Line Listing - Membership Rights"			
Show descriptive variable names (Print List)	Analysis Data Set: GroupRights	Type: Line Listing	Data Set Generated On: 07/05/2019 10:53:00
Title/Format Time Period Filters Display Variables	Sort Variables Display Options		
Additional Filters: 😰 Show 🗶 Clear			
AND OR			Add group
AND OR			Add rule
N/A Checked? V equal V Y			Delete

On the Display Variables Tab, I limit my output to the Selected Variables that are applicable to my search

lify "Line Listing	- Membership R	ights"						
Show descriptive	variable names (Pri	nt List)			Analysis I	Data Set: GroupRights	Type: Line Listing	Data Set Generated On: 07/05/2019 10:5
Fitle/Format	Time Period	Filters	Display Variable:	s So	rt Variables	Display Options		
Display Variable	s:							
	Available Var	riables:			_	Selected Var	iables:	
Admissions				All 🔛 Group Org ID		;ID		🔺 Up
CDC Location				Facility Org ID		gID		
CDIF Admissio	ons		S	Selected Facility N		me		<u> </u>
CDIF Encounte	ers				Data Name	2		
CDIF Patient D	Jays			elected	Data Right	Mardifferen		
CMS Certificat	tion Number			All	Data Right	Modifier		tindo
Encounters			<	All	Plan			
Gown and Glov					From Mon	th		
Hand Hygiene	In-Plan				From Year			
Location					To Month			
Location Type					Conferred	Status		
mdro					N/A Check	ced?		
MRSA AST Adr	m		\sim					
MRSA AST D/1	Г							

- Based on the modifications applied to this report, here is the output generated:
- Though all the fields in the output are important to note, the highlighted fields provides high-level summary and conclusion for this example:
 - The **<u>objectname</u>** shows the HAI measure in question
 - The <u>conferred Status</u> field = "Accepted" shows that the facility 10546 has conferred rights to the Group 10297 overall because the facility has accepted the Define Rights

National H Line Listin As of: July 5, 20 Date Range: All	lealtho 1 <mark>g - Gr</mark> 119 at 1:2 GROUPR	care Safety Network <mark>oup Rights</mark> ^{9 РМ} аднтs										
parentOrgID	orgID	name	objectname	objectAction	objectModifier	naFlag	plans	monthFrom	yearFrom	monthTo	conferred Status	naChecked
10297	10546	Rebmann LTAC Hospital	LabID Events	View		Y	BOTH	1	2015	-	Accepted	Y
10297	10546	Rebmann LTAC Hospital	MDRO Summary Data	View		Y	BOTH	1	2015		Accepted	Y

- However,
 - The <u>naChecked</u> field= "Y" indicates that the facility is choosing <u>not to share</u> their LABID data with Group 10297
 - This applies to both in plan and off plan data that were requested on the Define Rights Template
 - This also means, the Group will not see any LABID data regardless of the year of data

N Li As Da	ational H i <mark>ne Listir</mark> of: July 5, 20 te Range: All	lealtho 1g - Gr 019 at 1:2 GROUPF	care Safety Network <mark>oup Rights</mark> ๒ คм สเดศтร										
p	arentOrgID	orgID	name	objectname	objectAction	objectModifier	naFlag	plans	monthFrom	yearFrom	monthTo	conferred Status	naChecked
	10297	10546	Rebmann LTAC Hospital	LabID Events	View		Y	BOTH	1	2015		Accepted	Y
	10297	10546	Rebmann LTAC Hospital	MDRO Summary Data	View		Y	BOTH	1	2015	-	Accepted	Y

- Notes regarding the naFlag and naChecked variables
 - If conferredStatus = "Accepted" and naFlag is "Y" then the naChecked is "Y"
 - If conferredStatus = "Accepted" and naFlag is not "Y" then the naChecked is "N"
 - If conferredStatus = "Not Accepted" then the naChecked is "."

pare	ntOrgID	orgID	name	objectname	objectAction	objectModifier	naFlag	plans	monthFrom	yearFrom	monthTo	conferred Status	naChecked
	10297	10546	Rebmann LTAC Hospital	LabID Events	View		Y	BOTH	1	2015	-	Accepted	Y
	10297	10546	Rebmann LTAC Hospital	MDRO Summary Data	View		Y	BOTH	1	2015	-	Accepted	Y

- Conclusions:
 - The facility can accept the Define Rights Template from a Group with 'conditions'.
 - The facility can limit the data they share (based on what is requested on the Define Rights Template) by checking the <u>naChecked</u> box located on their view of the Define Rights Template
 - Running this report is the way for the Group is confirm if the <u>naChecked</u> box has been checked
 - Groups may reach out to their facilities to mitigate the use of the <u>maChecked</u> box

National H Line Listir As of: July 5, 2(Date Range: All	lealth 1g - Gr 019 at 1:2 GROUPF	care Safety Network <mark>oup Rights</mark> ^{э рм} аднтs										
parentOrgID	orgID	name	objectname	objectAction	objectModifier	naFlag	plans	monthFrom	yearFrom	monthTo	conferred Status	naChecked
10297	10546	Rebmann LTAC Hospital	LabID Events	View		Y	BOTH	1	2015	-	Accepted	Y
10297	10546	Rebmann LTAC Hospital	MDRO Summary Data	View		Y	BOTH	1	2015	-	Accepted	Y

NHSN Resources for Group Users

Analysis resources that you should know

- NHSN Analysis Resources Page
 - <u>https://www.cdc.gov/nhsn/ps-analysis-</u> resources/index.html
- Analysis Quick Reference Guides
 - <u>https://www.cdc.gov/nhsn/ps-analysis-</u> resources/reference-guides.html

New! Keys to Success with NHSN Data A quick reference guide for interpreting NHSN SIR calculations. New! NHSN's Guide to the SUR (updated October 2018) 12 [PDF - 1 MB] A comprehensive guide to the NHSN's SUR, including significant factors used in the SUR calculations under the 2015 baseline. New! NHSN's Guide to the SIR (updated March 2019) [PDF – 2 MB] A comprehensive guide to NHSN's SIR, including risk factors used in the SIR calculations under the 2015 baseline. New! How to Modify a Report [PDF - 375K] Analysis Quick Reference Guides General Tips **Troubleshooting Guides** Frequently Requested Output/Reports

Targeted Assessment Prevention (TAP) Strategy Reports

Antimicrobial Use and Resistance Module Reports

Tips for Customizing Your Output/Reports

Detailed Guides for Specific Analysis Options

Output/Report Option Types

NHSN Participation Alerts

Amanda Clemons

Overview of NHSN Participation Alerts

- NHSN Participation Alerts allow Groups to learn the types of data that are missing or incomplete for facilities in their Group
- Alerts appear for in plan data only
- Alerts identify data quality issues and serve as data reporting reminders for facilities in the Group

Facility-level Alerts

- NHSN alerts appear on the Action Items tab each time a facility logs in to NHSN
 Action Items
- Group Users cannot resolve alerts on behalf of facilities in their Group. Groups can identify active alerts through utilizing the Participation Alerts Reports.



NHSN Participation Alerts Reports

- NHSN Groups should use the Line Listing- Participation Alerts and Frequency Table – Participation Alerts reports to identify active alerts among facilities in their Group
- These reports are located in the Advanced Folder > Facility level Data Folder
- The alert types described in the report are:
 - Conferred Rights Not Accepted
 - Missing Survey Data
 - Incomplete Events
 - Missing Procedures
 - Missing Events
 - Incomplete Summary Data
 - Missing Summary Data
 - Incomplete Procedures
 - Missing Procedures
 - Missing Procedure-associated Events



Line Listing Participation Alerts Report

Line Listing Participation Alerts Report is a NHSN resource that Groups can use to obtain a detailed line listing of active alerts for facilities in their Group

Show descriptive	e variable names (Pri	nt List)		Analysis Data	Set: ParticipationAlert	Type: Line Listing	Data Set Generated On: 07/12/2019
Title/Format	Time Period	Filters	Display Variables	Sort Variables	Display Options		
Title:							
Line Listing - Pa	rticipation Alerts						
Format:							
html	odf		xls	rtf			
	0	0					

How to Modify a Report, https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/howtomodifyreport.pdf

Missing Procedure – associated Events Alert

National Healthcare Safety Network Line Listing - Participation Alerts As of: July 19, 2019 at 4:45 PM

As of: July 19, 2019 at 4:45 PM Date Range: All PARTICIPATIONALERT

alertType=Missing Procedure-associated Events

orgID	CCN	module	planYM	location	locCDC	eventTypePath	procCode	setting	alertMessage	alertType
10000	31C0001043	PA	2019M04			SSI	COLO	Inpatient	Missing Procedure-associated Events	Missing Procedure-associated Events
10000	31C0001043	PA	2019M04			SSI	HYST	Inpatient	Missing Procedure-associated Events	Missing Procedure-associated Events
10000	31C0001043	PA	2019M04			SSI	HYST	Outpatient	Missing Procedure-associated Events	Missing Procedure-associated Events
10000	31C0001043	PA	2019M04			SSI	KPRO	Inpatient	Missing Procedure-associated Events	Missing Procedure-associated Events
10000	31C0001043	PA	2019M05			SSI	HYST	Inpatient	Missing Procedure-associated Events	Missing Procedure-associated Events
10000	31C0001043	PA	2019M05			SSI	KPRO	Inpatient	Missing Procedure-associated Events	Missing Procedure-associated Events

Sorted by orgID module planYM location locCDC eventTypePath summaryDataType procCode setting surveyYr surveyType groupID Data contained in this report were last generated on July 12, 2019 at 1:54 PM. If you are a group user or a facility user with limited rights, alerts may indicate limited rights as opposed to missing data.

- Missing Procedure associated Events table from the Line Listing Participation Alerts report
- This table describes the months in which in-plan procedures were reported and no in-plan procedure-associated events or SSIs were reported.

Incomplete Events Alert

National Healthcare Safety Network Line Listing - Participation Alerts As of: July 30, 2019 at 1:09 PM Date Range: All PARTICIPATIONALERT

alertType=Incomplete Events

orgID	CCN	module	planYM	location	locCDC	eventTypePath	summaryDataType	procCode	setting	surveyYr	surveyType	groupID	alertMessage	alertType
10000	31C0001043		2015M02	BURN ICU 2	IN:ACUTE:CC:B	VAE			Inpatient				Incomplete Events	Incomplete Events
15331	999999		2018M12	NICU	IN:ACUTE:CC:NURS	BSI			Inpatient				Incomplete Events	Incomplete Events

Sorted by orgID module planYM location locCDC eventTypePath summaryDataType procCode setting surveyYr surveyType groupID Data contained in this report were last generated on July 26, 2019 at 3:58 PM.

If you are a group user or a facility user with limited rights, alerts may indicate limited rights as opposed to missing data.

- Incomplete Events Alert table from the Line Listing Participation Alerts report
- This table describes missing device associated or MRDO/CDI events.

Frequency Table Participation Alerts Report

- Frequency Table Participation Alerts Report describes frequency by alert type
- This report is helpful when reviewing the number of active alerts by type or facility in the group

Show descriptive	variable names (Pri	nt List)		Analysis Data Set: ParticipationAlert	Type: Frequency Table	Data Set Generated On: 07/12/2019 13
Title/Format	Time Period	Filters	Display Options			
Title:						
Frequency Table	e for Participation	Alerts				
Format:						
html	pdf		xls	rtf		
		0				

How to Modify a Report, https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/howtomodifyreport.pdf

Frequency Table Participation Alerts Report

- In this test group there were 915 unresolved alerts
- Each of the test facilities in the group are represented by their OrgID and on a row in the table
- Summary of number active alerts by facility is located in the
 - "Total" column

National Healthcare Safety Network Frequency Table for Participation Alerts As of: July 26, 2019 at 5:07 PM Date Range: All PARTICIPATIONALERT

Frequency					Table of c	orgID by ale	rtType				
						alertTyp	e				
	orgiD	Conferred Rights Not Accepted	Incom plete Events	Incomplete Procedures	Incom plete Sum mary Data	Missing Events	Missing Procedure- associated Events	Missing Procedures	Missing Summary Data	Missing Survey Data	Tota
	10000	1	1	1	24	40	7	11	456	0	541
	10012	1	0	0	1	3	6	7	43	1	62
	15331	1	1	4	18	8	14	20	240	0	306
	17776	1	0	0	2	0	0	0	0	1	4
	19836	0	0	0	0	0	1	0	0	1	2
	Total	4	2	5	45	51	28	38	739	3	915

Data contained in this report were last generated on July 26, 2019 at 3:58 PM.

If you are a group user or a facility user with limited rights, alerts may indicate limited rights as opposed to missing data.

Data Quality Reports

- NHSN Participation Alerts monitor and identify data quality issues
- NHSN has Data Quality reports that can be run on a routine basis
- Data quality reports are located in the Advanced Folder > Data Quality Folder
- It is recommended to run the Data Quality reports monthly to identify and help facilities resolve data quality issues
- Each report is specifically designed to address a specific data quality issue
- If the message "No datasets found" is received in the output and there are no modifications to the report, then no observations require action



NHSN Data Quality Output Options,

https://www.cdc.gov/nhsn/pdfs/pscmanual/Instructions_DQ.pdf

Participation Alerts Educational Resources

• NHSN Alerts-Patient Safety Component:

https://www.cdc.gov/nhsn/pdfs/gen-support/NHSN-Alerts.pdf

 Group User's Guide to the "Line Listing – Participation Alerts" Report Option:

https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/group-alerts.pdf

Helpful Tips

Selecting Analysis Reports: Acute Care Hospitals Rebecca Konnor

Helpful Tips-Device Associated Models

The CLABSI, CAUTI, and VAE data in the reports indicated by the blue outline in the screen shot are inclusive of data reported from all eligible locations within hospitals.

- These data are also stratified by location type (critical care units, neonatal critical care units, and inpatient wards as appropriate
- Used in the National and State HAI Data Report



Helpful Tips-Device Associated Models

- The CMS reports include a subset of the locations included in the 'general' reports (that are inplan)
 - They include only the CMS reportable locations
 - All ICU locations
 - Medical Ward IN:ACUTE: WARD:M
 - Medical/Surgical Ward IN:ACUTE: WARD:MS
 - Surgical Ward IN:ACUTE: WARD:S
 - Pediatric Medical Ward IN:ACUTE: WARD:M_PED
 - Pediatric Medical/Surgical Ward IN:ACUTE: WARD:MS_PED
 - Pediatric Surgical Ward IN:ACUTE: WARD:S_PED

CMS Reports
 Acute Care Hospitals (Hospital IQR)
 SIR SIR - CLAB Data for Hospital IQR
 SIR SIR - CAU Data for Hospital IQR
 SIR SIR - CAU Data for Hospital IQR
 SIR SIR - Complex 30-Day SSI Data for Hospital IQR
 SIR SIR - MRSA Blood FacwideIN LabID Data for Hospital IQR
 SIR SIR - CDI FacwideIN LabID Data for Hospital IQR

Helpful Tips-Surgical Site Infections

All SSI SIR Data Report	Complex Admission/Readmission SSI SIR Data Report	Complex 30-day SSI SIR Data Report
 All Inclusive SSI SIR report. Includes all procedure categories Includes inpatient procedures ONLY 	 Subset of All SSI SIR report with focus on complex SSIs detected upon admission and readmission to the same facility at which procedure was performed. Includes all procedure categories Includes inpatient procedures ONLY 	 Subset of the All SSI SIR report with focus on complex SSIs, regardless of detection method in COLO and HYST procedures In-plan, inpatient COLO and HYST procedures in adults 18 years and older
 Often used by facilities to estimate overall SSI burden within their facility over time 	 Used by CDC for the annual National and State HAI Data Report-due to the inclusion criteria, reporting bias of SSI events is limited 	 For CMS reporting and verification

Helpful Tips-MDRO LabID

- CMS and non CMS SIR reports function similarly
 - Difference is that CMS SIR reports include in-plan data only
 - Used in the National and State HAI Data Report
- SIR analyzed at FacWIDEIn
- SIR Generated quarterly or higher
 - If you generate monthly SIR for a completed quarter, the numPred, SIR, P-value, and 95% CI will Not be calculated
 Adjust "Group by" to SummaryYM?
- ED/OBS Events excluded from the numerator of the SIR



Helpful Tips-Annual Reports Using HAI Data

- National and State HAI Data Report (formally called HAI Progress Report)
 - <u>https://www.cdc.gov/hai/surveillance/progress-report/index.html</u>
- Antibiotic Resistance Patient Safety Atlas
 - <u>https://www.cdc.gov/hai/surveillance/ar-patient-safety-atlas.html</u>
- Antimicrobial-Resistant Pathogens Associated with HAIs Report to NHSN, 2011-2014: <u>https://www.cdc.gov/nhsn/pdfs/datastat/2014-AR-data-summary-nhsn.pdf</u>
- National Healthcare Personnel Influenza Vaccination Summary Data Tables by Facility Types
 - <u>https://www.cdc.gov/nhsn/datastat/index.html</u>
- Summary of Device-associated (DA) Module
 - <u>https://www.cdc.gov/nhsn/datastat/index.html</u>

Helpful Tips-How to Troubleshoot SIRs

- Troubleshooting CLABSI and CAUTI SIR
 - <u>https://www.cdc.gov/nhsn/pdfs/ps-analysis-</u> resources/clabsicauti_sirtroubleshooting.pdf
- Troubleshooting CDI and LabID Event SIR
 - <u>https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/mrsacdi_tips.pdf</u>
- Troubleshooting SSI SIR
 - <u>https://www.youtube.com/watch?v=2zKqpSrZVAU&feature=youtu.be</u>
 - <u>https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/line-list-procedures-excluded-sir.pdf</u>
 - <u>https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/ssi-events-line-list-</u> <u>qrg.pdf</u>

Thank you!

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For more information, contact CDC 1-800-CDC-INFO (232-4636) TTY: 1-888-232-6348 www.cdc.gov

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.

