

California Department of Public Health Surgical Site Infections (SSI) Participation Alert Quality Assurance/Quality Control Report

Using NHSN Analysis to Review and Confirm SSI Data

To verify the NHSN Participation Alerts included in your CDPH QA/QC report, you should run your own report using NHSN Analysis features. This document demonstrates step-by-step how to run a report to confirm the alerts in NHSN.

“**Participation Alerts**” are an advanced output option in NHSN analysis that allows facility administrators to view procedures that are not compliant with NHSN requirements. Why are Participation Alerts important? If there are potential deficiencies in your data, the Participation Alert Report will indicate the month and year, procedure, and alert type in a line listing. It is recommended that the Participation Alert report be run and reviewed regularly by your hospital to find potential reporting deficiencies.

SAMPLE: SSI-PA QA/QC Report sent to a hospital by CDPH

<i>QUALITY ASSURANCE/QUALITY CONTROL SURGICAL SITE INFECTIONS (SSI) PARTICIPATION ALERTS LINE LISTING JANUARY 2013 - AUGUST 2013 (8 MONTHS) NHSN DOWNLOAD DATE: SEPTEMBER 16, 2013*</i>			
MONTH	PROCEDURE CODE	ALERT TYPE	EVENT TYPE
APR2013	RFUSN	3: Month with denominator and no plan	SSI
JUL2013	CARD	5: Month with 0 rate (no events entered or “Report No Events” box not checked)	SSI
JUL2013	CBGB	5: Month with 0 rate (no events entered or “Report No Events” box not checked)	SSI
JUL2013	CBGC	5: Month with 0 rate (no events entered or “Report No Events” box not checked)	SSI
JUL2013	COLO	5: Month with 0 rate (no events entered or “Report No Events” box not checked)	SSI
JUL2013	FUSN	5: Month with 0 rate (no events entered or “Report No Events” box not checked)	SSI
JUL2013	HPRO	5: Month with 0 rate (no events entered or “Report No Events” box not checked)	SSI
JUL2013	HYST	5: Month with 0 rate (no events entered or “Report No Events” box not checked)	SSI
JUL2013	KPRO	5: Month with 0 rate (no events entered or “Report No Events” box not checked)	SSI
JUL2013	LAM	5: Month with 0 rate (no events entered or “Report No Events” box not checked)	SSI
JUL2013	VHYS	5: Month with 0 rate (no events entered or “Report No Events” box not checked)	SSI
AUG2013	CARD	1: Month with plan and no denominator	SSI

Please note: the examples provided in this document contain screenshots from a fictitious facility with fictitious data.

Before running this output option, remember to generate your datasets for the most up-to-date data reported to NHSN by your facility! To generate datasets, go to Analysis → Generate Data Sets, and then click “Generate New”.

1. In the NHSN Portal, click Analysis → Output Options → Advanced → Facility-level Data → CDC Defined Output → Line Listing – Participation Alerts → Modify

Patient Safety Component
Analysis Output Options [HELP](#)

Expand All Collapse All

- Device-Associated Module
- Procedure-Associated Module
- MDRO/CDI Module - Infection Surveillance
- MDRO/CDI Module - LABID Event Reporting
- MDRO/CDI Module - Process Measures
- MDRO/CDI Module - Outcome Measures
- Vaccination Module
- Antimicrobial Use and Resistance Module
- Advanced

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

Analysis sub-menu (left): Generate Data Sets, Output Options, Statistics Calculator.

Red arrows point to 'Analysis' and 'Output Options' in the sub-menu, and to 'Advanced' in the main menu.

[Create New custom Option](#)

- CMS Reports
- Patient-level Data
- Event-level Data
- Procedure-level Data
- Summary-level Data
- Plan Data
- Pathogen-level Data
- Facility-level Data
- CDC Defined Output
 - Line Listing - Facility Enrollment Data [Run] [Modify]
 - Line Listing - Conferred Rights [Run] [Modify]
 - Line Listing - Hospital Survey (CDC 57.103, Rev.2) [Run] [Modify]
 - Line Listing - Hospital Survey (CDC 57.103, Rev.3) [Run] [Modify]
 - Line Listing - Dialysis Survey [Run] [Modify]
 - Line Listing - Participation Alerts [Run] [Modify]

Red arrows point to 'Facility-level Data', 'CDC Defined Output', and 'Line Listing - Participation Alerts'.

- 2. After clicking “Modify”,
 - Use Variable Labels for ease of reading column headers.
 - Choose your time period (located in the header of QA/QC report)
 - Date Variable: planYM
 - Beginning: 01/2013
 - Ending: 08/2013

Reporting Plan Patient Event Procedure Summary Data Import/Export Analysis Generate Data Sets Output Options Statistics Calculator Surveys Users Facility Group Log Out	Line Listing	
	HELP	
	Analysis Data Set: ParticipationAlert Export Analysis Data Set	
	Modify Attributes of the Output:	
	Last Modified On:	
	Output Type:	Line Listing
	Output Name:	<input type="text" value="Line Listing - Participation Alerts"/>
	Output Title:	<input type="text" value="Line Listing - Participation Alerts"/>
	Select output format:	
	Output Format:	<input type="text" value="HTML"/>

	<input checked="" type="checkbox"/> Use Variable Labels		
	Select a time period or Leave Blank for Cumulative Time Period: HELP		
	Date Variable	Beginning	Ending
	<input type="text" value="planYM"/>	<input type="text" value="01/2013"/>	<input type="text" value="08/2013"/>
	Clear Time Period		
	<input type="checkbox"/> Enter Date variable/Time period at the time you click the Run button		

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3. Go to “Specify Other Selection Criteria”
 - Column 1: Select “module”, click on the cell below “module”, then type “PA” under Value(s).
 - **Note:** PA is case sensitive
 - Column 2: Select “outpatient”, click on the cell below “outpatient”, then select “N-No” under Value(s).

Specify Other Selection Criteria: [HELP](#)

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

module	▼	outpatient	▼
= PA		= N	

Specify an operator and value(s) for selection criteria:

Variable Operator Value(s)

module = PA ←

Save Clear Close

4. Scroll down to “Other Options”
 - Select “Run”

Other Options: [HELP](#) [Print Variable Reference List](#)

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

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

Select Page by variable: alertType ▼

→ Run Save As Reset Back Export Output Data Set

Results (output) from NHSN are shown below. If a second window does not pop-up, please be sure to check your pop-up blocker and allow pop-ups from *.cdc.gov.

5. Now compare your NHSN report to your QA/QC report (below).

This alert indicates in April 2013 an inpatient RFUSN procedure was entered and it is not in the monthly reporting plan.

Module=PA

Module	Procedure Code	Outpatient?	Plan YM	Alert Type	Event Type	Alert
PA	RFUSN	N	2013M04	3. Month with denom and no plan	SSI	3
PA	CARD	N	2013M07	5. Month with 0 Rate (no events entered)	SSI	5
PA	CARD	N	2013M08	1. Month with plan and no denom	SSI	1

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APR2013	RFUSN	3: Month with denominator and no plan	SSI
JUL2013	CARD	5: Month with 0 rate (no events entered or "Report No Events" box not checked)	SSI
AUG2013	CARD	1: Month with plan and no denominator	SSI

This alert indicates in July 2013 a CARD procedure was entered and no events have been entered and/or the Report No Events box has not been checked.

Module=PA

Module	Procedure Code	Outpatient?	Plan YM	Alert Type	Event Type	Alert
PA	RFUSN	N	2013M04	3. Month with denom and no plan	SSI	3
PA	CARD	N	2013M07	5. Month with 0 Rate (no events entered)	SSI	5
PA	CARD	N	2013M08	1. Month with plan and no denom	SSI	1

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This alert indicates in August 2013 the monthly reporting plan includes the CARD procedure but no denominator data has been entered.

Module=PA

Module	Procedure Code	Outpatient?	Plan YM	Alert Type	Event Type	Alert
PA	RFUSN	N	2013M04	3. Month with denom and no plan	SSI	3
PA	CARD	N	2013M07	5. Month with 0 Rate (no events entered)	SSI	5
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AUG2013	CARD	1: Month with plan and no denominator	SSI

Your search result may also include Post-Procedure Pneumonia (PPP) in the event type column. These line listings are not included in your QAQC report but you are encouraged to remedy these inconsistencies as well.

In addition, we do not include alert type #6 in our QAQC as this alert is intended to be a check-point and does not indicate non-compliance.

Note: The top of your QA/QC report has the date the data was downloaded from NHSN. If you have modified your data (i.e. added or deleted data) since this date, your NHSN report could be different than the QA/QC report generated by CDPH.

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If you have any questions, please feel free to email, HAI_DATA@cdph.ca.gov

The following are definitions for the alert categories (numbered 1 through 6) that can be found in the Participation Alert Report.

Alert 1: Month with plan, no denominator

This means that you have indicated in your monthly reporting plan that you would follow the procedure for the month specified, but no denominator data have been entered.

Alert 2: Month with plan and event, and denominator = 0

This alert indicates that a plan and at least one event of the type listed for the procedure and month has been entered, however the denominator has been entered as "0".

Alert 3: Month with event and denominator, and no plan

This alert indicates that you have entered denominator data and event but you did not indicate that you would be following the procedure in your monthly reporting plan.

Alert 4: Month with events, no denominator or no plan

This alert means that you have events entered for a month in which there is no reporting plan for that procedure –or– there are no denominator data entered.

Alert 5: Month with 0 rate (no events entered)

This alert indicates that you have denominator data but there are no events entered and the Report No Events box has not been checked.

Alert 6: Month with plan, denominator = 0

This alert indicates that you indicated in your plan that you would follow a procedure for a particular month and the No Procedures Performed box has been checked. This alert is intended to be a check-point and does not indicate non-compliance.