

Using the “Rate Table – CAUTI Data for CMS IRF PPS” Output Option

The NHSN Analysis Output Option, “Rate Table – CAUTI Data for CMS IRF PPS” was created in order to allow both free-standing inpatient rehabilitation facilities (IRFs) and acute care hospital rehabilitation units designated as CMS IRF units to review those data that would be submitted to CMS on their behalf. It’s important to keep in mind the following as you begin to use this report:

- a. These data will only be submitted for those facilities that are participating in the CMS IRF Quality Reporting Program, as indicated by their CCN recorded in NHSN.
- b. **IMPORTANT NOTE FOR ACUTE CARE HOSPITALS!** CAUTI data for IRF units within acute care hospitals are submitted to CMS separately from ICU CAUTI data submitted to CMS as part of the Inpatient Quality Reporting Program. CAUTI data from IRF units will NOT be included in the hospital’s “SIR – CAUTI Data for CMS IPPS” report in NHSN Analysis; it will be included in the “Rate Table – CAUTI Data for CMS IRF PPS” report.
- c. This report will only include **in-plan CAUTI data for each IRF location beginning with October 2012 data**. Earlier time periods for which you may have reported CAUTI data will not be included in this output.
- d. **IMPORTANT!** Facilities must appropriately **Report No Events** for those locations and months for which no CAUTI events were identified.
- e. This output option provides rates for each IRF, not each CCN. If your IRF shares a CCN, the rates will only represent the data that your IRF has contributed to the overall rate for all IRFs that share the CCN. You may wish to use the Group function in NHSN to be able to view the rates for all IRFs that share a CCN. More information about the Group function can be found here: <http://www.cdc.gov/nhsn/group-users/index.html>.
- f. The rates that will be shared with CMS and presented in this output option are calculated at the location type level. Separate rates will be calculated for inpatient rehabilitation locations and pediatric inpatient rehabilitation locations within the facility. A single overall CAUTI rate for the entire facility will not be calculated.
- g. The data in this report will represent data current as of the last time you generated datasets. Data changes made in NHSN will be reflected in the next monthly submission to CMS.
EXCEPTION: Quarterly data are frozen as of the final submission date for that quarter (e.g., Q4 data will be frozen as of 1am ET on May 16th); any changes made to these data in NHSN after the final submission deadline will not be reflected in data shared with CMS.
- h. The information in this document should be used in conjunction with the document, “Helpful Tips for CAUTI Reporting for the Centers for Medicare and Medicaid Services’ Inpatient Rehabilitation Facility Quality Reporting Program”, available at <http://www.cdc.gov/nhsn/cms/index.html>.



Example of the “Rate Table – CAUTI Data for CMS IRF PPS” Output Option:

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, then click “Generate New”.

1. After selecting Analysis > Output Options, navigate through the following folders: CMS Reports > Inpatient Rehabilitation Facilities (IRFQR) > CDC-Defined Output. Click “Run” next to “Rate Table – CAUTI Data for CMS IRF PPS”, as shown below:



2. By default, the results will appear in an HTML window. If a second window does not pop-up, please be sure to check your pop-up blocker and allow pop-ups from *.cdc.gov.
3. A single table titled “Rate Table for CAUTI Data for CMS Inpatient Rehabilitation Facility PPS” will be presented in the pop-up HTML window. The table presents rates for each calendar quarter, stratified by the eligible location types. This is the information that will be submitted to CMS for your facility.

The rates in the table are stratified by a variable called “loccdc,” which corresponds with a CDC-defined location description. Each value of loccdc is displayed as a code. The codes align with the CDC-defined location descriptions as shown in the table below:

“loccdc” code	Facility type	CDC location description
IN:ACUTE:IRF	Free-standing IRF	REHAB Ward
IN:ACUTE:IRF:PED	Free-standing IRF	REHAB Pediatric Ward
IN:ACUTE:WARD:REHAB	Acute care hospital	Inpatient Rehabilitation Ward
IN:ACUTE:WARD:REHAB_PED	Acute care hospital	Inpatient Pediatric Rehabilitation Ward

Sample output for the “Rate Table – CAUTI Data for CMS IRF PPS” output option is displayed below:

National Healthcare Safety Network						
Rate Table for Catheter-Associated UTI Data for CMS Inpatient Rehabilitation Facility PPS						
As of: August 5, 2014 at 3:21 PM						
Date Range: All CAU_RATE_SIRF						
orgID=17774 CCN=999999 IRFCCN=' '						
loccdc	summaryYQ	locMonths	caucount	numucathdays	CAURate	rate95ci
IN:ACUTE:IRF	2012Q4	3	1	630	1.587	0.079, 7.828

Source of aggregate data: Not available
Data contained in this report were last generated on August 5, 2014 at 2:54 PM.

From this output, we can conclude the following:

- For the fourth quarter of 2012, this free-standing IRF reported CAUTI data from one location type (*loccdc*)
 - For the IRF rehabilitation ward location, the facility reported all three months of data in that quarter (*locMonths*)
 - NOTE: If the number of *locMonths* for a quarter is less than 3, this indicates that the data for this location and quarter are **incomplete**. *locMonths* should be equal to the number of units of that type, multiplied by 3. Example: An IRF reporting for two separate adult IRF wards should see *locMonths* = 6 for a quarter if reporting is complete.
 - In those three months, the facility reported 1 CAUTI from the IRF rehabilitation ward location (*caucount*) and 630 urinary catheter days (*numucathdays*), which results in a rate of 1.587 CAUTIs per 1,000 urinary catheter days (*CAURate*)
 - The 95% confidence interval around the CAUTI rate for the IRF rehabilitation location is (0.079, 7.828) (*rate95ci*)
4. What can be done if data are incomplete, or if the number of infections or urinary catheter days is incorrect?
- i. To pinpoint which month(s) is missing from the quarter, the report can be modified to display by month. To make this modification, after selecting Analysis > Output Options, navigate through the following folders: CMS Reports > Inpatient Rehabilitation Facilities (IRFQR) > CDC-Defined Output. Click “Modify” next to “Rate Table – CAUTI Data for CMS IRF PPS.”
 - a. On the Analysis Rate Table modification page, scroll down to the Other Options section of the page. Use the drop down menu next to “Group by” to select “Summary YM” to display the rate report by month. Click the grey “Run” button to run the report.

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

Group by: summaryYM ▾

Show History

- summaryYH
- summaryYM
- summaryYQ
- summaryYr

Run Save As Reset Back Export Output Data Set

Sample output for the “Rate Table – CAUTI Data for CMS IRF PPS” output option is displayed by month below:

National Healthcare Safety Network
Rate Table for Catheter-Associated UTI Data for CMS Inpatient Rehabilitation Facility PPS
 As of: August 5, 2014 at 3:18 PM
 Date Range: All CAU_RATE_SIRF

orgID=17774 CCN=999999 IRFCCN=' '

loccdc	summaryYM	locMonths	caucount	numucathdays	CAURate	rate95ci
IN:ACUTE:IRF	2012M10	1	0	175	0.000	., 17.118
IN:ACUTE:IRF	2012M11	1	1	225	4.444	0.222, 21.920
IN:ACUTE:IRF	2012M12	1	0	230	0.000	., 13.025

Source of aggregate data: Not available
 Data contained in this report were last generated on August 5, 2014 at 2:54 PM.

- ii. Once the missing month(s) has been identified, double check the below data elements:
 - a. Check that the summary data for this location have been entered for the month. This includes urinary catheter days and patient days.
 - b. If summary data have been entered, double-check your monthly reporting plan for that month. Check to make sure that each location is included in your monthly reporting plan, with the CAUTI box checked.
 - c. If summary data have been entered and no CAUTIs have been identified, be sure to check the ‘Report No Events’ box either on the summary record, next to the Urinary Catheter days count, or through the “Missing Events” tab on the Alerts page.
 - d. If the number of infections is less than you reported *and* you’ve confirmed that the summary data have been entered in-plan, double check the UTI events in NHSN: if urinary catheter is entered as “Neither”, the event is *not* considered a CAUTI and will not appear in this report. Note that you can edit the event with the correct information.

REMEMBER: If you have made any changes to your data, regenerate your datasets in order to review your output options with the most up-to-date data in NHSN.

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Additional Resources:

CMS Resources for NHSN Users: <http://www.cdc.gov/nhsn/cms/index.html>

Operational Guidance: <http://www.cdc.gov/nhsn/PDFs/irf/8-6-2012-IRF-CAUTI-Guidance.pdf>

Analysis Quick Reference Guides: <http://www.cdc.gov/nhsn/PS-Analysis-resources/reference-guides.html>

