Using the “SIR - MRSA Blood LabID Data for IRFQR” Report

This document applies to free-standing Inpatient Rehabilitation Facility (IRFs) enrolled in NHSN as Rehabilitation Hospitals (HOSP-REHAB). A similar document for IRF units within a hospital can be found at: https://www.cdc.gov/nhsn/cms/index.html

The NHSN Analysis Report, “SIR - MRSA Blood LabID Data for IRFQR” was created in order to allow inpatient rehabilitation facilities (IRFs) to review those MRSA Blood LabID 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:

• These data will only be submitted for those facilities that are participating in the CMS Inpatient Rehabilitation Facility Quality Reporting Program (IRFQR) Program, as indicated by their CCN recorded in NHSN.

• The SIRs generated in this output will be calculated using the 2015 national baseline data. To learn more about the standardized infection ratio (SIR) under the 2015 baseline as it pertains to MRSA bacteremia data, please see: https://www.cdc.gov/nhsn/2015rebaseline/.

• This report will only include in-plan FacWideIn (facility-wide inpatient) MRSA blood LabID data beginning with January 2015. Earlier years for which you may have reported these data will not be included in this output. Data that have previously been submitted to CMS for participation in a Quality Reporting Program can be found at the following folders: Baseline Set 1 > CMS Inpatient Rehabilitation Facilities (IRFQR) > Rate Table - MRSA Blood LabID Data for IRF PPS.

• IMPORTANT! Facilities must appropriately Report No Events for those FacWideIn months for which no MRSA LabID events were identified in an inpatient location(s).

• This output option represents an SIR report for each hospital, not each CCN. If your hospital shares a CCN with another facility, the SIR will only represent the data that your hospital has contributed to the overall SIR for all hospitals that share the CCN. You may wish to use the Group feature in NHSN to obtain a single SIR for all the hospitals that share a CCN. More information about the Group feature can be found here: http://www.cdc.gov/nhsn/group-users/index.html.

• The data in this report will represent data current as of the last time you generated datasets. NOTE: Quarterly data are frozen as of the final submission date for that quarter (e.g., first quarter (Q1) data will be frozen as of 3am ET on August 16th); any changes made to these data in NHSN after the final submission deadline will not be reflected in the data submitted to CMS.
Example of the “SIR - MRSA Blood LabID Data for IRFQR”: Interpretation and Data Checking

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 > Reports, navigate through the following folders: CMS Reports > Inpatient Rehabilitation Facilities (IRFQR) > SIR – MRSA Blood LabID Data for IRFQR. After clicking the title of the report, click “Run” on the subsequent pop-up menu.

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. Data presented below are fictitious.

SIR Example Report:

“SIR - MRSA Blood LabID data for IRFQR”

The table represents an overall, single SIR for your facility, per calendar quarter. This is the information that will be submitted to CMS for each participating facility, as indicated by the facility’s CCN.
Using the above table, one can conclude the following:

- For the fourth quarter of 2017 (2017Q4), the facility reported three months of MRSA blood LabID data (months).
- In those three months, the facility reported 3 healthcare facility-onset (HO) MRSA blood LabID events (MRSA_bldIncCount). For more information about which events are counted in the numerator of the SIR, refer to the LabID SIR Troubleshooting document (see Additional Resources below).
- 3,300 patient days (numpatdays) were reported for the facility.
- The number of predicted healthcare facility-onset MRSA blood LabID events (numPred) was 0.063.
- The SIR, p-value (SIR_pval), and 95% confidence interval (sir95ci) for MRSA blood LabID events during this time period cannot be calculated because the number of predicted events is less than 1.

NOTE: If the number of predicted events is less than 1, an SIR, p-value, and 95% confidence interval will not be calculated. However, assuming all other reporting requirements are met, the SIR data are considered “complete” and will still be submitted to CMS in order to comply with Quality Reporting Programs.

- Be sure to read the footnotes beneath the SIR report for important information about the SIR calculation.
4. What can be done if a quarter does not appear in the table, if one or more months are missing, or if the data are inaccurate?
   a. Check that the summary data for the FACWIDEIN location have been entered for each month in the quarter and double-check the accuracy of these data, which includes both patient days and admissions.
   b. If summary data have been entered, double-check your monthly reporting plan for each month in the quarter. Check to make sure that MRSA LabID surveillance is included in your monthly reporting plans for the location FACWIDEIN.
   c. If summary data have been entered and no MRSA LabID events have been identified, be sure to check the ‘Report No Events’ box on the summary record or through the “Missing Events” alerts tab.
   d. If the number of events is less than you reported and you’ve confirmed that the summary data have been entered in-plan, double check the MRSA LabID events in NHSN using the MRSA LabID events line list.

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.

Additional Resources:

Troubleshooting MRSA and CDI LabID Event SIR:  
https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/mrsacdi_tips.pdf

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

Operational Guidance for IRFs to report MRSA bacteremia LabID Event data:  

Analysis Quick Reference Guides:  