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

This document applies to CMS Inpatient Rehabilitation Facility (IRF) units located within an acute care or critical access hospital. A similar document for free-standing IRFs 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 acute care or critical access hospitals to review those data from their CMS IRF units that would be submitted to CMS on their behalf. It’s important to keep in mind the following:

• These data will only be submitted for those facilities that are participating in the CMS Inpatient Rehabilitation Facility Quality Reporting (IRFQR) Program, as indicated by their IRF’s 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 data, please see: https://www.cdc.gov/nhsn/2015rebaseline/.

• This report will only include in-plan MRSA Blood LabID data for all CMS IRF units within an acute care or critical access hospital beginning with January 2015 data. Earlier time periods for which you may have reported MRSA blood LabID data in your IRF unit will not be included in this output. Data that have previously been submitted to CMS for participation in the IRF 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 locations and months for which no MRSA blood LabID events were identified.

• This output option provides an SIR report for all CMS-certified IRF units within your facility. If your IRF unit shares a CCN with another facility, the SIRs will only represent the data that your IRF unit(s) has contributed to the overall SIR for all IRFs under that CCN. You may wish to use the Group function in NHSN to be able to view the SIRs 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.

• 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.
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The information in this document should be used in conjunction with the document, “How to Set Up NHSN Reporting for MRSA Bacteremia and C. difficile LabID events for the CMS Inpatient Rehabilitation Facility (IRF) Quality Reporting Program”, available [https://www.cdc.gov/nhsn/pdfs/cms/irfs/settingup_reporting_labid_event_irf_acutec.pdf](https://www.cdc.gov/nhsn/pdfs/cms/irfs/settingup_reporting_labid_event_irf_acutec.pdf).

**Example of the “SIR - MRSA Blood LabID Data for IRFQR”: Interpretation and Data Checking**

*Before running this report, 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. Click on the report title, and then click “Run Report” on the pop-up box that appears.

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 presents an SIR for all CMS IRF units mapped in your facility combined, for each calendar quarter. This is the information that will be submitted to CMS for your facility.

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Using the table above, one can conclude the following:

- For the fourth quarter of 2017 (2017Q4), IRF unit(s) reported three months of MRSA blood LabID data (months).
- In those three months, the IRF units reported 3 location-incident MRSA blood LabID events (MRSA_bldIncCount). For more information about the events that 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 IRF units.
- The number of predicted location-incident 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 data are incomplete, or if the number of LabID events or patient days is incorrect?
   • Check that the summary data for the CMS IRF location(s) have been entered for each month in the quarter. This includes patient days and admissions.
   • If summary data have been entered, double-check your monthly reporting plan for each month in the quarter. Check to make sure that the monthly reporting plans include the CMS IRF unit(s) for MRSA blood LabID Data.
   • 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.
   • If the number of MRSA blood LabID events is less than you reported and you’ve confirmed that the summary data have been entered in-plan, double check the LabID events in NHSN using the “Line Listing for All MRSA LabID Events” output option.

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: