

MDRO Subcommittee Advisory Committee Report

The Subcommittee reviewed, assessed, and critiqued the NHSN MDRO module. While the module is helpful in providing guideline information, its overall complexity and resource requirements for completion are of concern. The process measures as stated in the MDRO & CDAD module may be best utilized within the California hospitals but are not considered applicable to MRSA BSI reporting to CDPH at this time.

There was Subcommittee consensus that the mechanism of reporting to CDPH must be simple. Reporting simplicity will assure the comparability and validity of the reported data. Therefore only selected elements of the NHSN MDRO module will be incorporated into the reporting structure. It is recommended that California hospitals report by this method.

Reporting Requirements are:^{1,2}

- Type of Hospital
- Number of hospital beds
- Current number of ICPs

California acute care hospitals shall classify each reportable MRSA bloodstream infection (BSI), including *primary and secondary BSIs*, into one of the following categories:

Community Onset MRSA BSI would be reported as incidence, a whole number with no denominator.

Hospital Onset MRSA BSI reporting would include two elements:

- Number of MRSA bloodstream infections
- Number of Patient Days per month or quarter, dependent upon reporting frequency

The rate would be calculated by the State using the following formula:

$$\text{MRSA Bloodstream Infection Incidence} = \frac{\text{Number of MRSA Bloodstream Infections}}{\text{Number of Patient Days}} \times 1000.$$

It is strongly recommended that CDPH mandate hospital leadership to make available to ICPs monthly Patient Day data to be submitted concurrently with submission of MRSA BSI data.

¹ Reference Consensus Recommendations from the Methicillin-Resistant *Staphylococcus aureus* Subcommittee 1/29/08 for definitions of community and hospital onset.

² http://www.shea-online.org/Assets/files/Essentials_of_Public_Reporting_Tool_Kit.pdf

For frequency, three months of the calendar year would be required by NHSN if the MDRO module were used. The committee has yet to discuss data stratification by time (e.g., reporting frequency).

Glossary:

NHSN National Healthcare Safety Network

MDRO Multidrug resistant Organism

MRSA Methicillin resistant *staphylococcus aureus* (oxacillin is the current antibiotic)

CDAD *Clostridium difficile*-Associated Disease

Community Onset: Infection present on admission or having an onset within the first three days after hospital admission (hospital day 1,2 or 3): *This category may include patients who have received some type of health care and/or were exposed to a community healthcare setting; e.g. dialysis, a special diagnostic procedure, ambulatory surgery center, etc.*

Hospital Onset: onset of infection after three days of admission (hospital day 4 or greater).