Demo Exercise: Rate Table

Description:

This exercise provides an introduction to using the rate table in NHSN. The example will show you how to create and modify a CLABSI rate table, as well as how to read and interpret specific statistics provided in the output. While this example is based on a CLABSI rate table, similar options exist for CAUTI and VAP rate tables.

Example:

You have been asked to prepare a report that provides a CLABSI rate for each half of the 2012 calendar year for your pediatric cardiothoracic ICU (22ICU). You need one CLABSI rate for the first half of 2012, and a second CLABSI rate for the second half of 2012.

Answer the following questions:

1. What is the 22ICU's CLABSI rate for the first half of 2012?
2. What is the NHSN pooled mean rate for pediatric cardiothoracic ICU locations?
3. What is the calculated incidence density p-value that compares the 22ICU's CLABSI rate to the NHSN pooled mean in the second half of 2012? Explain what this p-value means.
4. What is the 22ICU's central line utilization ratio for the second half of 2012? Interpret this statistic.
5. What is the 22ICU's central line utilization percentile for the first half of 2012? Interpret this statistic.

Creating a Rate Table:

To locate the ICU CLABSI rate table output option in NHSN, first click on the Analysis > Output Options from the left navigation bar. You will then find the CLABSI rate table under Device-Associated Module > Central Line-Associated BSI > CDC Defined Output > Rate Table-CLAB Data for ICU-Other. Select 'Modify' to the right of this output option.

Modification Page:

The option to use more descriptive variable labels was selected (recommended).

Select the time period of interest using SummaryYr, since we have an entire calendar year of interest (2012).

Use the selection criteria grid to set the location equal to the 22ICU.

In order to produce a single CLABSI rate for each half-year, select summaryYH as the Group By variable.

Analysis Rate Table

Analysis Data Set: CLAB_RatesICU   [Export Analysis Data Set]

Modify Attributes of the Output:

Last Modified On: **02/15/2013**

Output Type: **Rate Table**

Output Name: Rate Table - CLAB Data for ICU-Other

Output Title: Rate Table for Central Line-Associated BSI Data for ICI

Select output format:

Output Format: HTML   ▼

☑ Use Variable Labels

Select a time period or Leave Blank for Cumulative Time Period:

Date Variable	Beginning	Ending	
summaryYr ▼	2012	2012	[Clear Time Period]

☐ Enter Date variable/Time period at the time you click the Run button

Specify Other Selection Criteria:

Show Criteria   Column +   Row +   Clear Criteria

location ▼	▼	▼	
= 22ICU			

Other Options: Print Variable Reference List

Group by: summaryYH ▼

☐ Show Histogram

[Run] [Save As] [Reset] [Back] [Export Output Data Set]

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*For more information about how to edit the modifications page, please see the following Quick Reference Guides:
Rate Table: http://www.cdc.gov/nhsn/PS-Analysis-resources/PDF/RateTables.pdf
How to filter output by additional criteria: http://www.cdc.gov/nhsn/PS-Analysis-resources/PDF/SelectionCriteria.pdf
How to filter data by time period: http://www.cdc.gov/nhsn/PS-Analysis-resources/PDF/FilterTimePeriod.pdf