

Demo Exercise: Frequency Table

Description:

This exercise will provide an introduction to the frequency table in NHSN. By completing this exercise, you will learn how to create and modify an SSI frequency table, as well as how to interpret specific statistics provided in the output. While this particular example refers to SSIs, the same principles can be applied to device-associated infections (CLABSIs, CAUTIs) and LabID Events.

Example:

You would like to know the distribution of specific SSI sites (**spcEvent**) attributed to procedures performed during the first half of 2012.

Answer the following questions:

1. How many total SSIs were reported from CBGB procedures?
2. What percentage of SSIs were deep incisional primary (DIP)?
3. What percentage of the superficial incisional primary (SIP) SSIs were attributed to COLO procedures?

Creating a Frequency Table:

To locate the frequency table output option in NHSN, first click on the Analysis > Output Options from the left navigation bar. You will then find the SSI frequency table under Procedure-Associated Module > SSI > CDC Defined Output > Frequency Table-All SSI Events. Select 'Modify' to the right of this output option.

Patient Safety Component
Analysis Output Options

Expand All Collapse All

- Device-Associated Module
- Procedure-Associated Module
 - All Procedure-Associated Events
 - SSI
 - CDC Defined Output
 - Line Listing - All SSI Events [Run] [Modify]
 - Frequency Table - All SSI Events [Run] [Modify]**
 - Bar Chart - All SSI Events [Run] [Modify]
 - Pie Chart - All SSI Events [Run] [Modify]
 - SIR - Complex AR SSI Data by Procedure [Run] [Modify]

Modification Page:

Frequency Table

Analysis Data Set: SSI_Events

Modify Attributes of the Output:

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

Output Type: **Frequency Table**

Output Name:

Output Title:

Select output format:

Output Format:

Use Variable Labels

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

Date Variable	Beginning	Ending	<input type="button" value="Clear Time Period"/>
<input type="text" value="procDateYH"/>	<input type="text" value="2012H1"/>	<input type="text" value="2012H1"/>	

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

Specify Other Selection Criteria:

[Show Criteria](#) [Column +](#) [Row +](#) [Clear Criteria](#)

Variable	Operator	Value	Variable	Operator	Value

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

Selected Variables to include in output:

Row:	Column:	Page by:
<input type="text" value="spcEvent"/>	<input type="text" value="procCode"/>	<input type="text"/>

Frequency Table Options:

Table percent - Display cell frequency divided by table total

Missing - Include observations with missing values

Print the table in list form

Two-Way Table Options:

Row Percent - Display cell frequency divided by row total

Column Percent - Display cell frequency divided by column total

Expected - Expected cell frequencies

Chi-square - Test for independence

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

Notice that **procDate** was used as the time variable rather than **EventDate**. **ProcDateYH** will limit this output to SSIs attributed to procedures performed during this time period, specified by half-year. 

The options in this section can be modified to simplify or inform the frequency table. In this example, the row and column variables were flipped in order to allow for a more narrow table. However, the data will remain unchanged. 

***For more information about how to edit the modifications page, please see the following Quick Reference Guides:**

Frequency Table: <http://www.cdc.gov/nhsn/PS-Analysis-resources/PDF/FrequencyTables.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>