Pie Chart

Description

A pie chart is a graphical representation of data. The different slices of the pie represent different values of a variable, with the relative size of the slice representing the amount of data included in the slice.
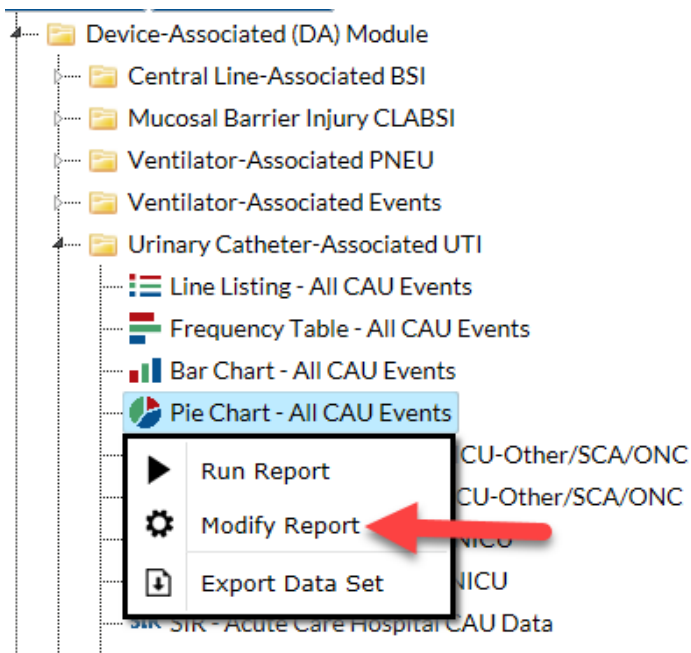
Example

You would like to create a pie chart showing the distribution of urinary tract infections (UTI) across different critical care locations in your facility during 2015 through 2016.

Modification Page

For further information, please visit the Modification Guidelines page: https://www.cdc.gov/nhsn/pdfs/ps-analysis-resources/howtomodifyreport.pdf

In the "Device-Associated (DA) Module" folder, click "Urinary Catheter-Associated UTI" to display the available reports. Click "Pie Chart- All CAU Events" and select "Modify Report" to limit the time period and select filters.

To select a time period, navigate to the "Time Period" tab of the Modify window. Select "evntDateYr" as your Date Variable and enter the date range 2015 to 2016.

To select filters for your report, navigate to the "Filters" tab. In this example, we have limited the pie chart to include only events from a single location type (locationType=CC), which will include each individual critical care location.
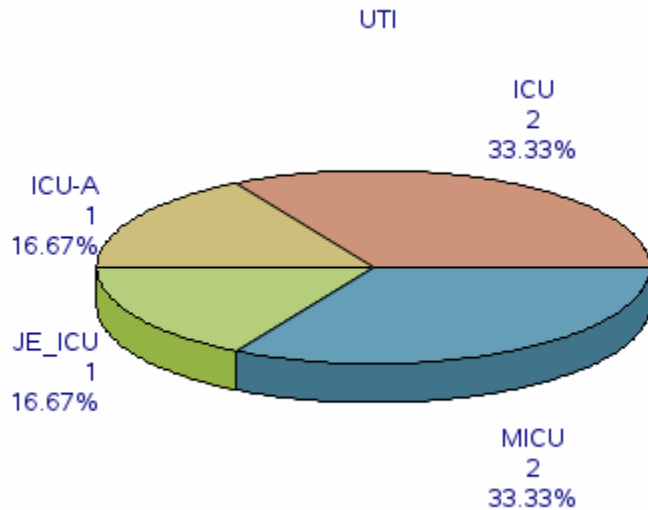

To modify the display of the pie chart, navigate to the "Display Options" tab. The "Chart variable" is the variable that will make up the slices of the pie. Different pies will be created for each value of the "Stratification variable". In this case, we wish to look at the distribution of each event type within each location. Separate pages of output will be created based on values of the "Page By" variable. You can also choose the number and orientation of pies on a page and to place various descriptive statistics inside or outside the pie.

Output/Results and Interpretation

In this example, location is the "chart variable" and event type is the "stratification variable". The output will include a different pie chart for each event type; only the UTI pie chart is shown below. Four values are given for each slice of the pie.

- The top value for each slice is the value of the "chart variable" (e.g., location).

- The second value is a count of the number of events included in each slice of the pie. *Example: there were 2 UTIs in the MICU between 2015 and 2016.*

- The bottom number is a percent corresponding to this slice's percent of the entire pie. *Example: 33.33% (2/6) of all UTIs were in the MICU.*

Additional Resources:
Introduction to NHSN Analysis: http://www.cdc.gov/nhsn/PDFs/training/intro-AnalysisBasics-PSC.pdf
How to filter your data by time period *(URL to be determined)*
How to filter your data on additional criteria *(URL to be determined)*