

# 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 2009 through 2010.

## Modification Page

### Pie Chart

Analysis Data Set: DA\_Events [Export Analysis Data Set](#)

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**Modify Attributes of the Output:**

Last Modified On: 01/09/2012

Output Type: Pie Chart

Output Name:

Output Title:

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**Select output format:**

Use Variable Labels

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

Date Variable:  Beginning:  Ending:  [Clear Time Period](#)

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

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**Specify Other Selection Criteria:**

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

locationType			
= CC			

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**Other Options:**

**Select Variables to include:**

Chart Variable:  Stratification Variable:  Page by:

Number of pies across a page =

Number of pies down a page =

Placement of the Percent =

Placement of the Slice Label =

Placement of the Value =

### Top Section of Modification Page:

- In the top section of the modification page, you can modify the name and title of the pie chart.  
**Note:** If you wish to save your modifications as a template for future reports, you will be required to change the output name.

*Tip: For more descriptive variable labels on your pie chart, check the box to "Use Variable Labels" (recommended).*

### Middle Section of Modification Page:

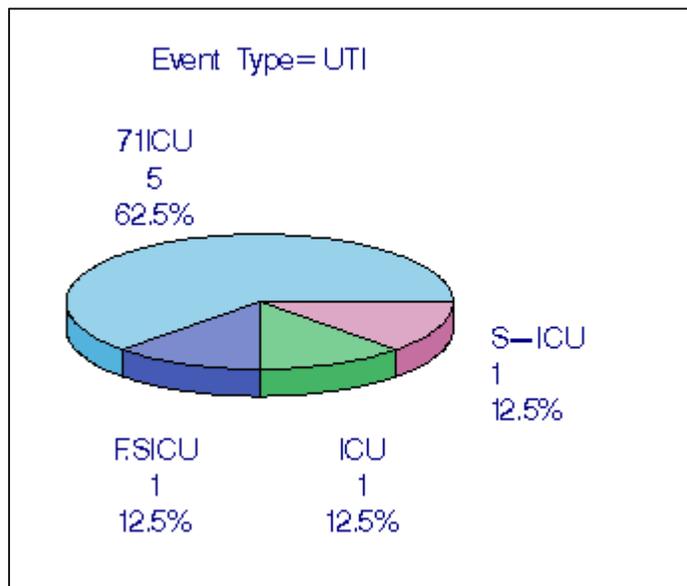
- In the middle sections of the page, you can filter output by time period or other criteria (e.g., limit to a single location type).
- In this example, we have limited the pie chart to include only events with dates in 2009 and 2010 (evntDateYr=2009 to 2010) and from a single location type (locationType=CC), which will include each individual critical care location.
- For additional details about how to use this section, please see the additional resources listed on page 2.

### Bottom Section of Modification Page:

- 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. Three 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 5 UTIs in the 71ICU between 2009 and 2010.*
- The bottom number is a percent corresponding to this slice’s percent of the entire pie. *Example: 62.50 % (5/8) of all UTIs were in the 71ICU.*

### Additional Resources:

Introduction to NHSN Analysis: <http://www.cdc.gov/nhsn/PDFs/training/intro-AnalysisBasics-PSC.pdf>

How to filter data by time period: <http://www.cdc.gov/nhsn/PS-Analysis-resources/PDF/FilterTimePeriod.pdf>

How to filter data on additional criteria: <http://www.cdc.gov/nhsn/PS-Analysis-resources/PDF/SelectionCriteria.pdf>