

Data Details - Asthma Hospitalization

Interpreting the Data:

What these data tell us:

- These data can be used to determine number and rate (crude and age-adjusted) of individuals hospitalized with a primary diagnosis of asthma by State and County.

What these data do not tell us:

- These data only represent SC hospitalizations. In order to get a true representation of SC residents hospitalized for asthma, you would need to determine the number of individuals seeking care outside SC.
- These data are not true prevalence rates of individuals with asthma in SC. These data are hospital discharge rates. Not all individuals in SC with asthma will have a hospitalization and some individuals with asthma may have multiple hospitalizations.

Limitations of the data

It does not include all asthma cases. Reporting rates at the county level is a relatively broad measure. These data will not show the true asthma burden at a more local level, such as the city level.

About these measurements

Measures included

South Carolina asthma hospitalization data are presented in three ways:

1. The number (frequency) of individuals hospitalized in each county of SC for asthma.
2. The number (frequency) and rate (crude and age-adjusted) of individuals hospitalized in each county of SC for asthma.

3. The number (frequency) and rate of individuals hospitalized in each county of SC for asthma by age group.

Frequency of Measurement

SC hospitalization data is collected monthly by The SC Revenue and Fiscal Affairs Office from all acute care hospitals in South Carolina and annual discharges and rates are reported.

Calculation Methods

Annual number and percentage of individuals hospitalized for asthma, by age group

The number of individuals in the selected age group who had an asthma hospitalization during the selected year, divided by the number of individuals in that age group that year

Example:

$$\frac{\text{Children 0 to 14 years of age with an asthma hospitalization in 2010}}{\text{Total number of children up to 14 years of age in 2010 in SC}}$$

Data Details - Asthma Emergency Department (ED) visits

Interpreting the Data:

What these data tell us:

- These data can be used to determine number and rate (crude and age-adjusted) of individuals visiting the emergency department (ED) with a primary diagnosis of asthma by State and County.

What these data do not tell us:

- These data only represent SC ED visits. In order to get a true representation of SC ED visits for asthma, you would need to determine the number of individuals seeking care outside SC.

- These data are not true prevalence rates of individuals with asthma in SC. These data are ED visits. Not all individuals in SC with asthma will have an ED visit and some individuals with asthma may have multiple ED visits.

Limitations of the data

It does not include all asthma cases. Reporting rates at the county level is a relatively broad measure. These data will not show the true asthma burden at a more local level, such as the city level.

About these measurements

Measures included

South Carolina asthma emergency department (ED) visits data are presented in three ways:

4. The number (frequency) of ED visits in each county of SC for asthma.
5. The number (frequency) and rate (crude and age-adjusted) of ED visits in each county of SC for asthma.
6. The number (frequency) and rate of ED visits in each county of SC for asthma by age group.

Frequency of Measurement

SC emergency department visit data is collected monthly by The SC Revenue and Fiscal Affairs Office from all hospitals having an Emergency Department in South Carolina and annual discharges and rates are reported.

Calculation Methods

Annual number and percentage of individuals visiting the ED for asthma, by age group

The number of individuals in the selected age group who had an asthma ED visit during the selected year, divided by the number of individuals in that age group that year

Example:

$$\frac{\text{ED visits in SC for Asthma by Children 0 to 14 years of age in 2010}}{\text{Total number of children 0 to 14 years of age in 2010 in SC}}$$