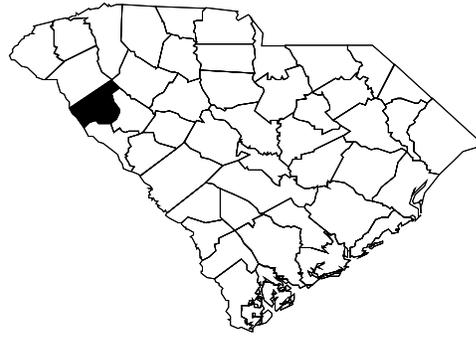


ASTHMA IN ABBEVILLE County, 2010



Produced by the S.C. Department of Health and Environmental Control

October 2011

Impact of Asthma in the United States

- U.S. asthma cases more than tripled from an estimated 6.7 million in 1980 to 24.6 million in 2009.
- Costs for asthma have more than tripled from an estimated \$6.2 billion in 1990, to an estimated \$20.7 billion in 2010.
- An estimated 7.1 million (9.6%) U.S. children and 17.5 million adults were asthmatic in 2009.
- 3,447 people died of asthma in 2007.

Asthma in South Carolina

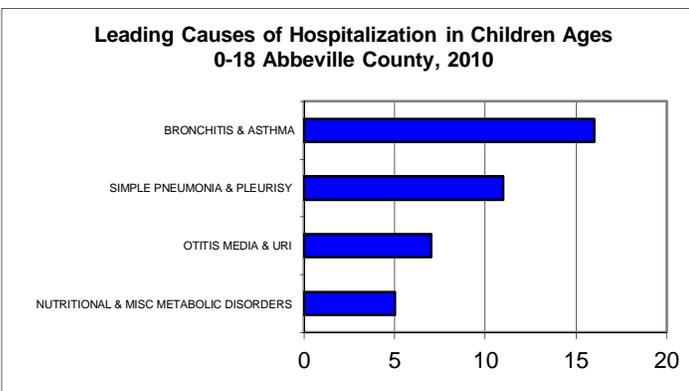
- Currently about 280,000 adults (2008 estimate) and 90,005 children (2007 estimate) suffer from asthma in South Carolina.
- In 2010, 1.2% (6,111) of ALL hospitalizations were from asthma.
- Asthma claimed the lives of 57 South Carolinians in 2009.

Impact of Asthma in Abbeville County

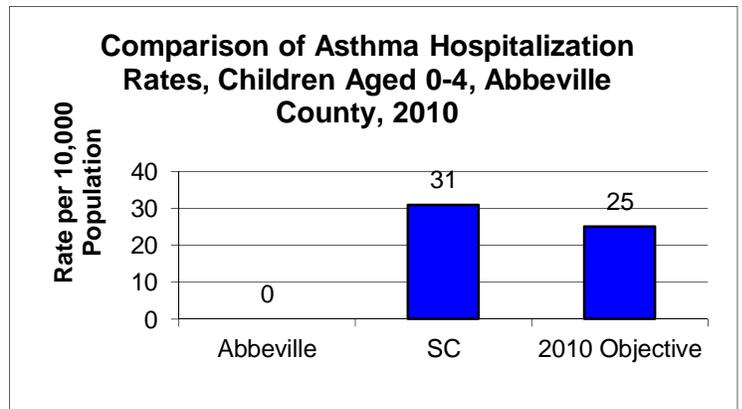
- About 2284 (11.8%) adults in Abbeville county suffer annually from asthma.
- In 2010, there were 33 hospitalizations for asthma in Abbeville county for all ages.

Children Suffer the Most from Asthma

- Asthma/ Bronchitis is the leading cause of hospitalization in Abbeville county for children under the age of 18.

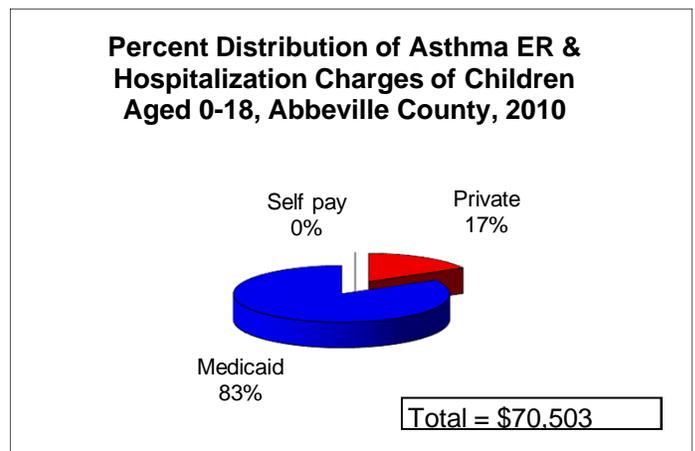


- In 2010, there were 8 asthma hospitalizations of children (<18 years) in Abbeville county.
- Healthy People 2010 Objectives for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Abbeville county had a hospitalization rate of 0 per 10,000 children under the age of 5 in 2010, compared to South Carolina's 31 per 10,000 children.



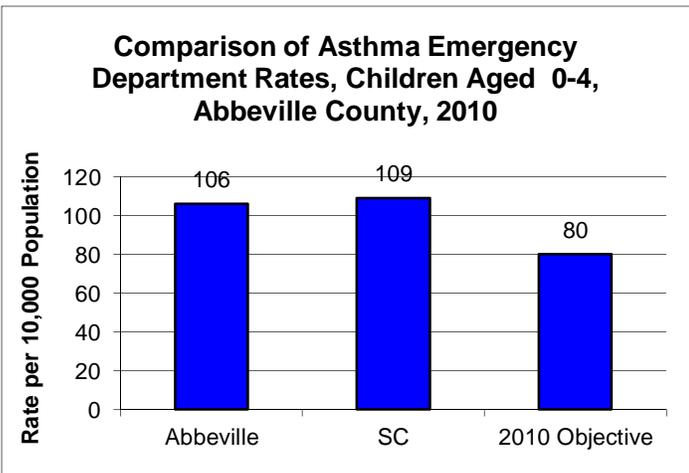
Cost of Asthma

- \$70503 was charged in 2010 for hospital and ER visits in Abbeville county for asthmatic children (<18 years).
- Medicaid covered 83% of these charges.



Emergency Room

- 53 children under the age of 18 visited the ER due to asthma in Abbeville county in 2010. This represents 29% of all ER visits due to asthma.
- \$37744 was charged for ER visits in Abbeville county for asthmatic children (<18 years) in 2010.



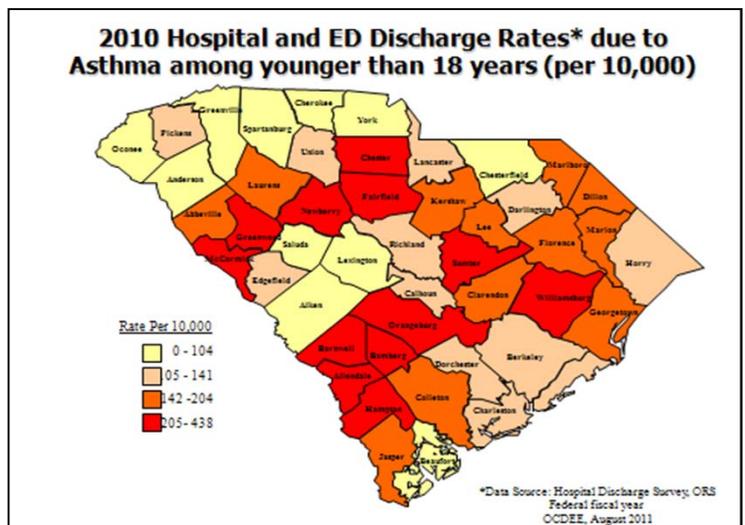
- Healthy People 2010 Objective for asthma related ER visits among children under the age 5 years old is 80 per 10,000 children.
- Abbeville county had an ER rate of 106 per 10,000 children under the age of 5 in 2010, compared to South Carolina's 109 per 10,000 children.



Disparities

- Black and other children under the age of 18 visit the ER more frequently than white children in the same age group, in South Carolina.
- The ER rate is about four times higher for black and other than white children in Abbeville.

| Hospital and Emergency Room Visits Rates per 10,000 Children (<18 years), 2010 | | | | |
|--|-----------|-----------------|----------------|-----------------|
| | Abbeville | | South Carolina | |
| | White | Black and other | White | Black and other |
| Hospital | 10.2 | 21.2 | 8.3 | 32.4 |
| ER | 48.3 | 179.9 | 38.5 | 173.5 |



*Note: Hospital and ER data are from Federal Fiscal Year; from ORS website; data not reported on website for discharges less than 5

For more information about asthma, contact:

SC DHEC Data Source:
Behavior Risk Factor Surveillance System
 Division of Biostatistics
 (803)896-5164

Vital Records
 Division of Biostatistics
 (803)898-3649

Bureau of Air Quality
 Outreach Section
 (803)898-4467
www.scdhec.net

Generated by:
 Bureau of Community Health & Chronic Disease Prevention

Hospital discharges and ER visits, contact:

Office of Research and Statistics
 SC Budget and Control Board
 1919 Blanding Street
 Columbia, SC 29201
 (803)898-9958



www.orss.state.sc.us/hd

For more details, please view the Technical Document below
www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf

