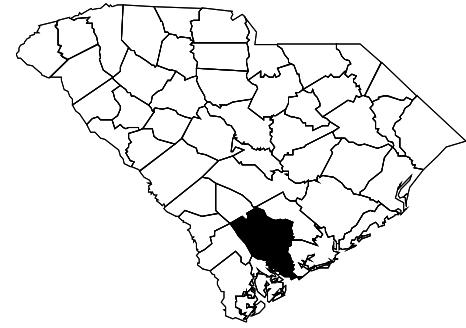




# Diabetes In Colleton County, 2012



Produced by the South Carolina Department of Health and Environmental Control

## Impact of Diabetes in the United States

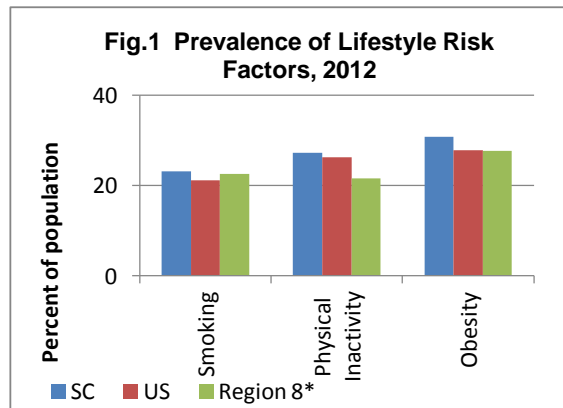
- Diabetes affects 25.8 million Americans and contributes to approximately 231,000 deaths a year.
- Diabetes is becoming more common in the United States. From 1980 through 2011, the number of Americans with diagnosed diabetes has more than tripled (from 5.6 million to 20.9 million).
- The direct and indirect costs of diabetes in the U.S. were nearly \$174 billion in 2008.
- 69,701 people died of diabetes in the U.S. in 2010.

## Diabetes in South Carolina

- Approximately 421,549 adults in South Carolina are diagnosed with diabetes. African Americans have a 42% higher prevalence than Whites.
- The total direct costs of hospitalizations and emergency room visits were over \$4.7 billion in 2012.
- Diabetes is the seventh leading cause of death in South Carolina, claiming 1,186 lives in 2012

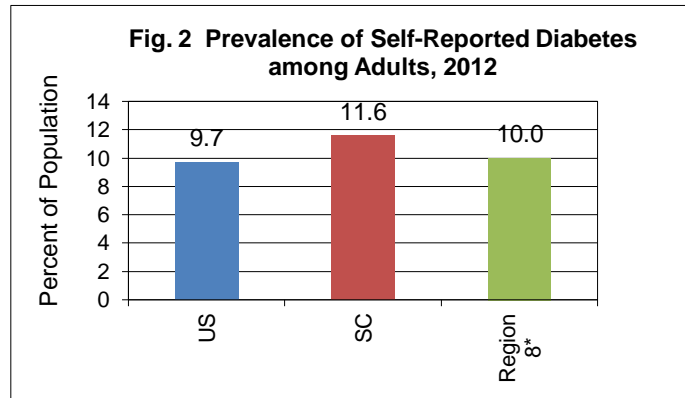
## Behavioral Risk Factors

- Major behavioral risk factors, such as obesity and physical inactivity are partially responsible for development of type 2 diabetes (Fig 1).



## Diabetes Prevalence

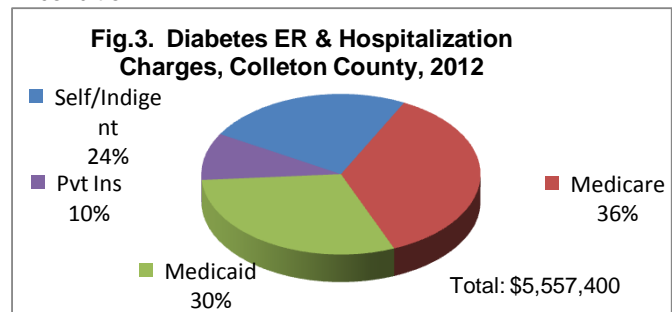
An estimated 10% of adults in Region 8 suffer annually from diabetes (Fig 2).



\*County-level BRFSS not available for 2012.

## Hospital and Emergency Room Discharges

- In 2012, there were 162 hospitalizations for diabetes in Colleton County for all ages.
- There were an additional 1360 hospital discharges with diabetes-related conditions in Colleton County.
- In 2012, there were 165 emergency room (ER) visits for diabetes as the primary diagnosis, among which 111 (67%) were by African-American patients.
- There were 1584 ER visits for diabetes as a related condition.



- Medicare paid for 51% of the ER and Hospitalization charges in Colleton County (Fig 3).

## Complications

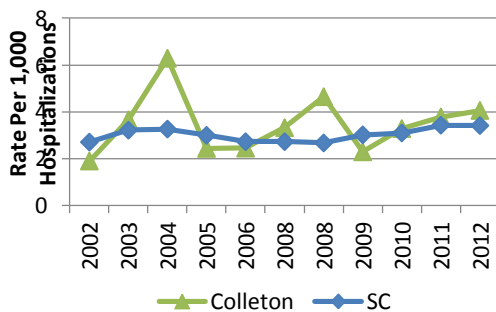
- 43% of patients hospitalized in SC for diabetes had complications in 2012; 45% of hospitalizations in Colleton County (Table 1).
- In 2011, more than 74% of people in SC with diabetes had hypertension, compared with only 30% of people without diabetes.

**Table 1. Hospitalizations for Diabetes Complications in Colleton County in 2012**

Diabetes Complication	Hospital Admissions	Percent of Diabetes Hospital Admissions	Total Charges
Renal Failure	539	36%	\$19,492,200
Lower Extremity Amputation	25	2%	\$941,400
Keto-acidosis	60	4%	\$2,313,400
Retinopathy	40	3%	\$1,724,500

- In 2011, more than 67% of people with diabetes had high cholesterol.
- 2012, the rates for lower extremity amputations among blacks in SC were 3 times the rates among whites.

**Fig. 4 Lower Extremity Amputations**



### For More Information about diabetes contact:

Division of Diabetes, Heart Disease, Obesity and School Health  
DHEC Bureau of Community Health and Chronic Disease Prevention

<http://www.dhec.sc.gov/health/chcdp/diabetes/index.htm>

(803) 898-1635

Diabetes Initiative of South Carolina

<http://www.musc.edu/diabetes/>



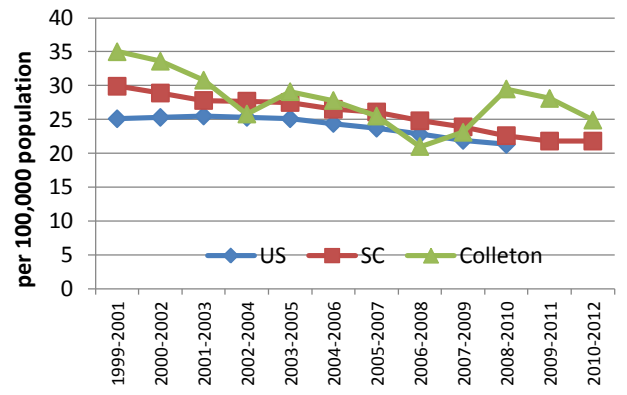
Generated by: Division of Chronic Disease  
Epidemiology, Bureau of Community Health and Chronic Disease Prevention

[http://www.scdhec.gov/hs/epidata/state\\_reports.htm](http://www.scdhec.gov/hs/epidata/state_reports.htm)

## Mortality

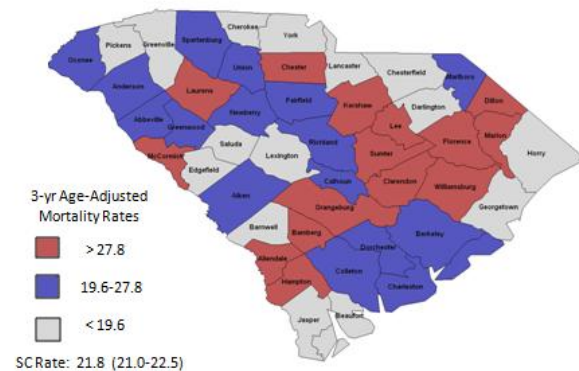
- Diabetes is the tenth leading cause of death in Colleton County.
- A total of 11 people in Colleton County died from diabetes in 2012.

**Fig.5 Age-Adjusted Diabetes Mortality**



- The Colleton County mortality rate was 20.9/100,000 in 2012, below the state average.
- Colleton County ranks #21 in diabetes mortality in South Carolina 2010-2012.

**Fig. 6 Diabetes Mortality 2010-2012**



### Data Sources:

Behavioral Risk Factors and Diabetes Prevalence:

SC BRFSS

<http://www.scdhec.gov/administration/phsis/biostatistics/brfss/>

### Mortality Data:

Vital Statistics, DHEC Division of Biostatistics 803-898-3627

### Hospital Discharges and ER Visits:

Office of Research and Statistics  
SC Budget and Control Board (803) 898-9940

For more details, please view the Technical Document below

[www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf](http://www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf)

