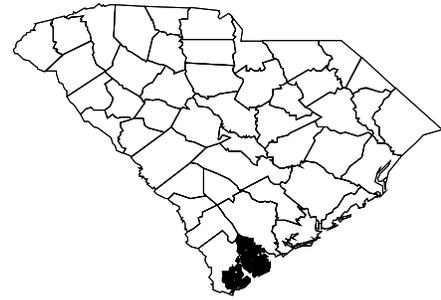# Diabetes In Beaufort County, 2012

Produced by the South Carolina Department of Health and Environmental Control

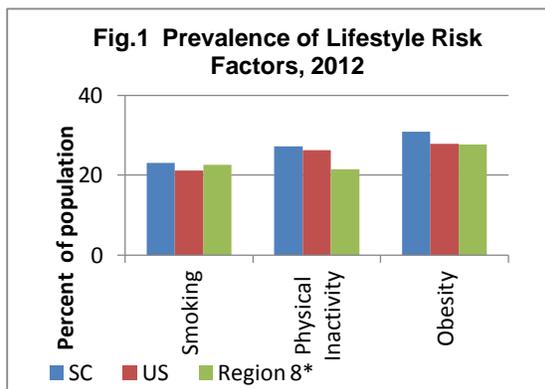## Impact of Diabetes in the United States

- 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
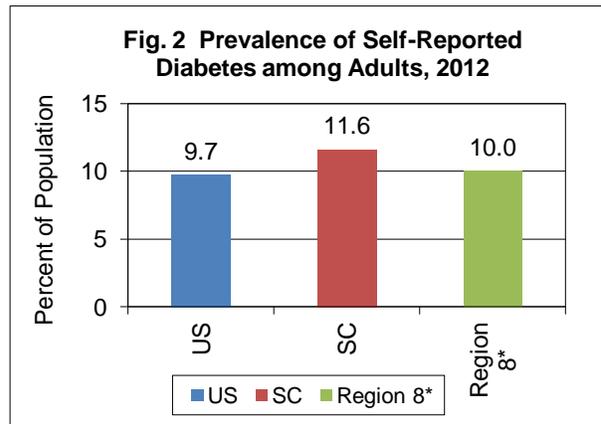
Behavioral Risk Factors

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

Fig.1 Prevalence of Lifestyle Risk Factors, 2012

Diabetes Prevalence

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

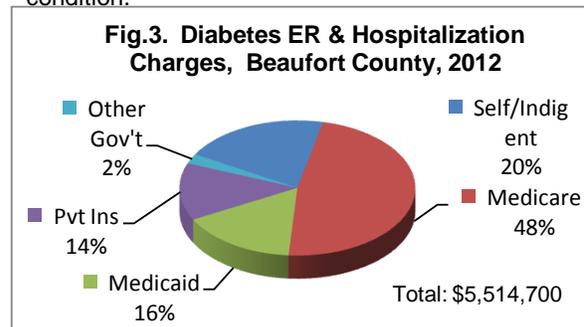Fig. 2 Prevalence of Self-Reported Diabetes among Adults, 2012

County-level BRFSS not available for 2012.

Hospital and Emergency Room Discharges

- In 2012, there were 214 hospitalizations for diabetes in Beaufort County for all ages.
- There were an additional 2473 hospital discharges with diabetes-related conditions in Beaufort County.
- In 2012, there were 333 emergency room (ER) visits for diabetes as the primary diagnosis, among which 206 (62%) were by African-American patients.
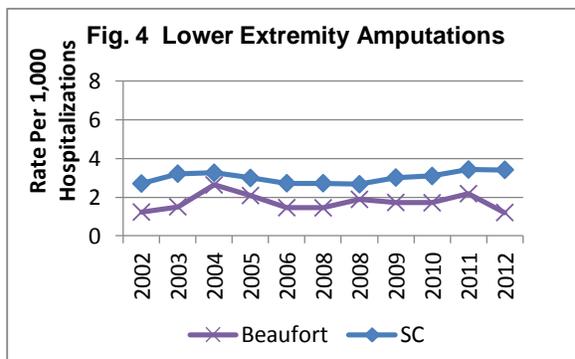- There were 3803 ER visits for diabetes as a related condition.

Fig.3. Diabetes ER & Hospitalization Charges, Beaufort County, 2012

Total: $5,514,700

- Medicare paid for 48% of the ER and Hospitalization charges in Beufort County (Fig 3).

Complications

- 43% of patients hospitalized in SC for diabetes had complications in 2012; 37% of hospitalizations in Beaufort County (Table 1).

- In 2011, more than 74% of people in SC with diabetes had hypertension, compared with only 30% of people without diabetes.
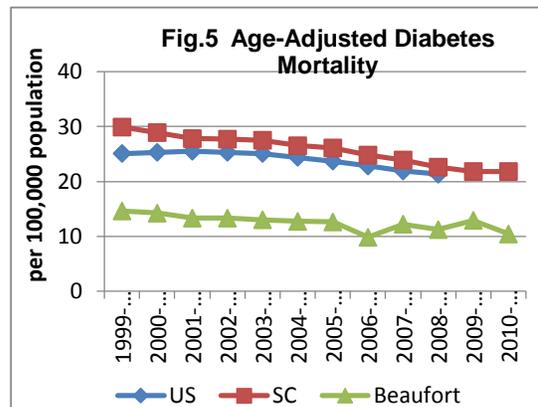
Table 1. Hospitalizations for Diabetes Complications in Beaufort County in 2012			
Diabetes Complication	Hospital Admissions	Percent of Diabetes Hospital Admissions	Total Charges
Renal Failure	743	28%	$23,164,800
Lower Extremity Amputation	19	1%	$799,500
Ketoacidosis	84	3%	$1,674,300
Retinopathy	123	5%	$3,947,200

- In 2011, more than 67% of people with diabetes had high cholesterol.

- 2012, the rates for lower extremity amputations among blacks in SC were 3times the rates among whites.
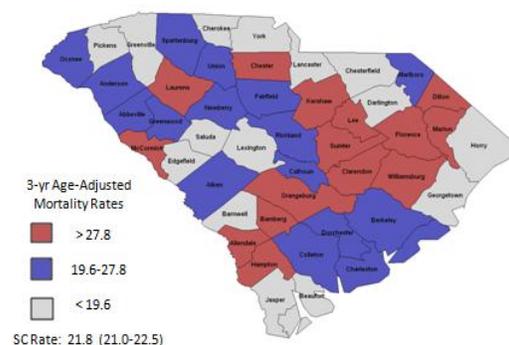

Fig. 4 Lower Extremity Amputations

Mortality

- Diabetes is the eighth leading cause of death in Beaufort County.

- A total of 25 people in Beaufort County died from diabetes in 2012.

Fig.5 Age-Adjusted Diabetes Mortality

- The Beaufort County mortality rate was 10/100,000 in 2012, below the state average.

- Beaufort County ranks #46 in diabetes mortality in South Carolina 2010-2012.

Fig. 6 Diabetes Mortality 2010-2012

3-yr Age-Adjusted Mortality Rates
- > 27.8
- 19.6-27.8
- < 19.6

SC Rate: 21.8 (21.0-22.5)

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

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