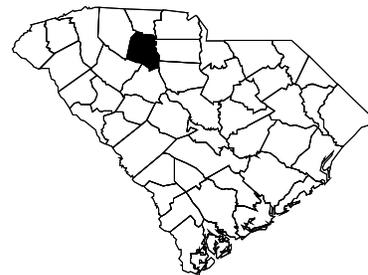


COORDINATED CHRONIC DISEASE FACT SHEET UNION County, 2013



In the year 2013 the leading causes of death among South Carolinians were cancer, heart disease, chronic lower respiratory disease, stroke, accidents, Alzheimer’s disease, diabetes, nephritis, nephritic syndrome and nephrosis, influenza and pneumonia, and septicemia. This report focuses on the chronic conditions of the population of Union county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The largest portion (31%) of the population in Union county are between the ages of 18-44, and there are more females (52%) than males (48%). The elder population (18%) is slightly higher than the state (15%). Union county's minority population (32%) is higher than the state (29%).

| | UNION COUNTY | STATE |
|-----------------------------|--------------|-----------|
| Population size | 28,030 | 4,774,840 |
| Age distribution (%) | | |
| <18 | 21.4 | 22.8 |
| 18-44 | 31.0 | 35.4 |
| 45-64 | 29.4 | 26.6 |
| 65-84 | 16.1 | 13.6 |
| 85+ | 2.2 | 1.6 |
| Race (%) | | |
| White | 67.0 | 69.2 |
| Black | 32.3 | 28.5 |
| Sex (%) | | |
| Male | 47.6 | 48.7 |
| Female | 52.4 | 51.3 |

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, high cholesterol, and low consumption of fruits and vegetables. The prevalence of these risk factors from the 2013 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for the Health Region.*

| RISK FACTOR | Region* | | | | | State |
|-------------------------------------|---------|--------|--------|-------|---------|-------|
| | Total | Blacks | Whites | Males | Females | Total |
| Current smoking (%) | 21.60 | 21.89 | 21.10 | 25.66 | 17.67 | 22.00 |
| Sedentary lifestyle (%) | 27.53 | 33.57 | 25.30 | 26.23 | 28.81 | 26.87 |
| Overweight or Obese (%) | 67.75 | 78.13 | 65.06 | 73.69 | 61.56 | 66.47 |
| High Cholesterol (%) | 43.81 | 37.11 | 44.26 | 48.31 | 39.75 | 42.58 |
| Median daily servings of fruits | 0.99 | 0.90 | 1.00 | 0.97 | 0.99 | 0.99 |
| Median daily servings of vegetables | 1.48 | 1.16 | 1.56 | 1.35 | 1.60 | 1.50 |

Some preventive measures such as immunization were included in the 2013 SC BRFSS. For persons age 65 and older in South Carolina:

- 35% have not received the flu shot in the past 12 months
- 30% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

| HYPERTENSION | County | | | | | State |
|--|-----------|---------|---------|---------|---------|-------------|
| | Total | Blacks | Whites | Males | Females | Total |
| Prevalence (%)* | 40.2 | NA | NA | NA | NA | 38.4 |
| Number of hospitalizations | 49 | 19 | 30 | 19 | 30 | 5,334 |
| Crude rate of hospitalizations (per 100,000) | 175 | 210 | 160 | 143 | 204 | 112 |
| Median age of hospitalized patients | 68 | 62 | 73 | 60 | 69 | 59 |
| Total cost of hospitalization (\$) | 1,066,600 | 539,700 | 526,900 | 505,300 | 561,300 | 200,069,800 |
| Average length of hospital stay (days) | 4 | 4 | 3 | 4 | 4 | 5 |
| Number of ER visits | 235 | 129 | 106 | 108 | 127 | 15,651 |
| Crude rate of ER visits (per 100,000) | 838 | 1,425 | 564 | 810 | 864 | 328 |
| Median age of ER patients | 51 | 48 | 53 | 49 | 53 | 54 |
| Total cost of ER visits (\$) | 382,000 | 171,700 | 210,300 | 167,100 | 214,900 | 49,710,700 |
| Number of deaths | 1 | 1 | 0 | 0 | 1 | 418 |
| Age-Adjusted Death rate (per 100,000) | 2.5 | 10.3 | 0 | 0 | 3.4 | 7.9 |

| HEART DISEASE | County | | | | | State |
|--|------------|-----------|------------|------------|-----------|---------------|
| | Total | Blacks | Whites | Males | Females | Total |
| Prevalence (%)* | 6 | NA | NA | NA | NA | 4.9 |
| Number of hospitalizations | 451 | 134 | 317 | 236 | 215 | 50,827 |
| Crude rate of hospitalizations (per 100,000) | 1,609 | 1,481 | 1,687 | 1,770 | 1,463 | 1,064 |
| Median age of hospitalized patients | 66 | 64 | 68 | 64 | 69 | 68 |
| Total cost of hospitalization (\$) | 20,973,400 | 5,479,500 | 15,493,900 | 11,417,700 | 9,555,700 | 3,099,389,600 |
| Average length of hospital stay (days) | 5 | 5 | 5 | 5 | 6 | 5 |
| Number of ER visits | 179 | 48 | 131 | 89 | 90 | 19,962 |
| Crude rate of ER visits (per 100,000) | 639 | 530 | 697 | 668 | 612 | 418 |
| Median age of ER patients | 64 | 62 | 66 | 62 | 68 | 64 |
| Total cost of ER visits (\$) | 1,213,500 | 300,600 | 912,900 | 632,600 | 580,900 | 168,582,900 |
| Number of deaths | 103 | 18 | 85 | 50 | 53 | 9,604 |
| Age-Adjusted Death rate (per 100,000) | 279.4 | 191.5 | 306.6 | 345.3 | 242.8 | 179.2 |

| STROKE | County | | | | | State |
|--|-----------|-----------|-----------|-----------|-----------|-------------|
| | Total | Blacks | Whites | Males | Females | Total |
| Prevalence (%)* | 4.2 | NA | NA | NA | NA | 3.8 |
| Number of hospitalizations | 141 | 40 | 101 | 62 | 79 | 14,943 |
| Crude rate of hospitalizations (per 100,000) | 503 | 442 | 538 | 465 | 537 | 313 |
| Median age of hospitalized patients | 70 | 63 | 72 | 69 | 71 | 69 |
| Total cost of hospitalization (\$) | 5,054,200 | 1,766,300 | 3,287,900 | 2,578,500 | 2,475,700 | 690,018,200 |
| Average length of hospital stay (days) | 6 | 9 | 4 | 7 | 5 | 5 |
| Number of ER visits | 40 | 12 | 27 | 17 | 23 | 5,283 |
| Crude rate of ER visits (per 100,000) | 143 | 133 | 144 | 128 | 156 | 111 |
| Median age of ER patients | 64 | 60 | 68 | 65 | 63 | 66 |
| Total cost of ER visits (\$) | 384,400 | 95,900 | 284,900 | 207,800 | 176,600 | 53,018,800 |
| Number of deaths | 20 | 5 | 15 | 8 | 12 | 2,488 |
| Age-Adjusted Death rate (per 100,000) | 54.8 | 62.2 | 52.3 | 53.1 | 53.7 | 47.2 |

| CHRONIC LOWER RESPIRATORY DISEASE | County | | | | | State |
|--|-----------|-----------|-----------|-----------|-----------|-------------|
| | Total | Blacks | Whites | Males | Females | Total |
| Number of hospitalizations | 228 | 54 | 174 | 76 | 152 | 15,659 |
| Crude rate of hospitalizations (per 100,000) | 813 | 597 | 926 | 570 | 1,034 | 328 |
| Median age of hospitalized patients | 64 | 58 | 65 | 64 | 65 | 63 |
| Total cost of hospitalization (\$) | 5,770,900 | 1,289,200 | 4,481,700 | 2,051,800 | 3,719,100 | 439,323,600 |
| Average length of hospital stay (days) | 5 | 4 | 5 | 5 | 5 | 4 |
| Number of ER visits | 355 | 153 | 201 | 148 | 207 | 49,050 |
| Crude rate of ER visits (per 100,000) | 1,267 | 1,691 | 1,070 | 1,110 | 1,408 | 1,027 |
| Median age of ER patients | 48 | 34 | 52 | 32 | 51 | 40 |
| Total cost of ER visits (\$) | 712,300 | 275,300 | 436,700 | 256,800 | 455,500 | 134,527,100 |
| Number of deaths | 34 | 1 | 33 | 15 | 19 | 2,751 |
| Age-Adjusted Death rate (per 100,000) | 90.7 | 9.0 | 116.8 | 108.1 | 87.4 | 50.7 |

| DIABETES | County | | | | | State |
|--|-----------|-----------|-----------|-----------|-----------|-------------|
| | Total | Blacks | Whites | Males | Females | Total |
| Prevalence (%)* | 12.4 | NA | NA | NA | NA | 12.5 |
| Number of hospitalizations | 102 | 38 | 64 | 39 | 63 | 9,764 |
| Crude rate of hospitalizations (per 100,000) | 364 | 420 | 341 | 293 | 429 | 204 |
| Median age of hospitalized patients | 53 | 54 | 50 | 59 | 48 | 51 |
| Total cost of hospitalization (\$) | 3,406,400 | 1,811,900 | 1,594,500 | 1,589,900 | 1,816,500 | 321,377,000 |
| Average length of hospital stay (days) | 6 | 8 | 5 | 7 | 5 | 5 |
| Number of ER visits | 92 | 51 | 40 | 48 | 44 | 13,909 |
| Crude rate of ER visits (per 100,000) | 328 | 564 | 213 | 360 | 299 | 291 |
| Median age of ER patients | 46 | 45 | 46 | 52 | 41 | 52 |
| Total cost of ER visits (\$) | 267,500 | 116,800 | 148,600 | 137,200 | 130,300 | 46,056,100 |
| Number of deaths | 14 | 4 | 10 | 9 | 5 | 1,239 |
| Age-Adjusted Death rate (per 100,000) | 39.1 | 55.7 | 32.5 | 60.0 | 21.5 | 22.5 |

| ALL CANCERS | County | | | | | State |
|--|-----------|-----------|-----------|-----------|-----------|-------------|
| | Total | Blacks | Whites | Males | Females | Total |
| Number of hospitalizations | 122 | 31 | 91 | 79 | 43 | 14,136 |
| Crude rate of hospitalizations (per 100,000) | 435 | 343 | 484 | 593 | 293 | 296 |
| Median age of hospitalized patients | 70 | 70 | 71 | 70 | 72 | 64 |
| Total cost of hospitalization (\$) | 7,775,500 | 1,741,600 | 6,033,900 | 4,788,900 | 2,986,600 | 963,427,600 |
| Average length of hospital stay (days) | 7 | 6 | 7 | 6 | 9 | 7 |
| Number of deaths | 86 | 18 | 68 | 44 | 42 | 9,700 |
| Age-Adjusted Death rate (per 100,000) | 223.0 | 172.9 | 237.1 | 278.5 | 197.0 | 173.2 |

| COLORECTAL CANCER | County | | | | | State |
|--|-----------|---------|-----------|---------|---------|-------------|
| | Total | Blacks | Whites | Males | Females | Total |
| Number of hospitalizations | 21 | 5 | 16 | 9 | 12 | 1,796 |
| Crude rate of hospitalizations (per 100,000) | 75 | 55 | 85 | 68 | 82 | 38 |
| Median age of hospitalized patients | 75 | 62 | 76 | 76 | 74 | 65 |
| Total cost of hospitalization (\$) | 1,311,000 | 196,600 | 1,114,400 | 374,500 | 936,500 | 140,452,900 |
| Average length of hospital stay (days) | 7 | 5.8 | 7 | 5 | 8 | 8 |
| Number of deaths | 8 | 1 | 7 | 3 | 5 | 821 |
| Age-Adjusted Death rate (per 100,000) | 20.4 | 9.0 | 23.4 | 17.2 | 22.2 | 14.9 |

| FEMALE BREAST CANCER | County | | | | | State |
|--|--------|--------|--------|-------|---------|------------|
| | Total | Blacks | Whites | Males | Females | Total |
| Number of hospitalizations | 1 | 0 | 1 | 0 | 1 | 923 |
| Crude rate of hospitalizations (per 100,000) | 7 | 0 | 10 | 0 | 7 | 38 |
| Median age of hospitalized patients | 61 | 0 | 61 | 0 | 61 | 59 |
| Total cost of hospitalization (\$) | 40,900 | 0 | 40,900 | 0 | 40,900 | 50,631,800 |
| Average length of hospital stay (days) | 5 | 0 | 5 | 0 | 5 | 3 |
| Number of deaths | 7 | 1 | 6 | 0 | 7 | 633 |
| Age-Adjusted Death rate (per 100,000) | 38.1 | 18.5 | 47.6 | 0 | 38.1 | 21.1 |

| CERVICAL CANCER | County | | | | | State |
|--|--------|--------|--------|-------|---------|-----------|
| | Total | Blacks | Whites | Males | Females | Total |
| Number of hospitalizations | 0 | 0 | 0 | 0 | 0 | 142 |
| Crude rate of hospitalizations (per 100,000) | 0 | 0 | 0 | 0 | 0 | 6 |
| Median age of hospitalized patients | 0 | 0 | 0 | 0 | 0 | 55 |
| Total cost of hospitalization (\$) | 0 | 0 | 0 | 0 | 0 | 6,269,800 |
| Average length of hospital stay (days) | 0 | 0 | 0 | 0 | 0 | 4 |
| Number of deaths | 1 | 1 | 0 | 0 | 1 | 74 |
| Age-Adjusted Death rate (per 100,000) | 8.9 | 25.3 | 0 | 0 | 8.9 | 2.7 |

| LUNG CANCER | County | | | | | State |
|--|-----------|---------|---------|---------|---------|-------------|
| | Total | Blacks | Whites | Males | Females | Total |
| Number of hospitalizations | 22 | 7 | 15 | 12 | 10 | 2,041 |
| Crude rate of hospitalizations (per 100,000) | 78 | 77 | 80 | 90 | 68 | 43 |
| Median age of hospitalized patients | 72 | 72 | 71 | 72 | 75 | 67 |
| Total cost of hospitalization (\$) | 1,264,900 | 439,400 | 825,500 | 668,400 | 596,500 | 145,739,900 |
| Average length of hospital stay (days) | 8 | 9 | 7 | 8 | 7 | 7 |
| Number of deaths | 26 | 8 | 18 | 13 | 13 | 2,825 |
| Age-Adjusted Death rate (per 100,000) | 63.9 | 68.9 | 61.3 | 72.2 | 58.7 | 49.2 |

| PROSTATE CANCER | County | | | | | State |
|--|---------|---------|---------|---------|---------|------------|
| | Total | Blacks | Whites | Males | Females | Total |
| Number of hospitalizations | 12 | 5 | 7 | 12 | 0 | 970 |
| Crude rate of hospitalizations (per 100,000) | 90 | 117 | 78 | 90 | 0 | 42 |
| Median age of hospitalized patients | 62 | 62 | 61 | 62 | 0 | 63 |
| Total cost of hospitalization (\$) | 396,300 | 158,100 | 238,200 | 396,300 | 0 | 46,328,200 |
| Average length of hospital stay (days) | 1 | 1 | 1 | 1 | 0 | 3 |
| Number of deaths | 1 | 1 | 0 | 1 | 0 | 457 |
| Age-Adjusted Death rate (per 100,000) | 5.0 | 21.7 | 0.0 | 5.0 | 0 | 21.2 |

*DHEC Health Region Upstate: Abbeville, Anderson, Cherokee, Greenwood, Laurens, McCormick, Oconee, Pickens, Spartanburg, Union.

Note: Generated Totals may include 'Other' race
BRFSS, mortality, and population data source: Division of Biostatistics

For more information about

Chronic diseases in South Carolina contact:

Bureau of Community Health and Chronic Disease Prevention
SC Department of Health and Environmental Control
2100 Bull St
Columbia, SC 29201
Tel (803) 898-0584

For more details, please view the Technical Document below
<http://www.scdhec.gov/Health/docs/EpiTechNotes.pdf>

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<http://www.scdhec.gov/Health/SCPublicHealthStatisticsMaps/County-SpecificEpidemiologicalData/>

Hospital discharge and ER visits, contact:

Revenue and Fiscal Affairs Office
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1919 Blanding Street
Columbia, SC 29201
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