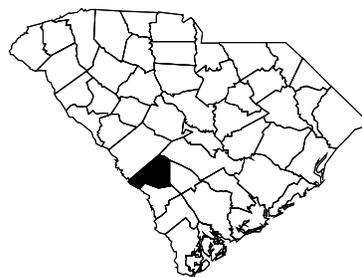


# COORDINATED CHRONIC DISEASE FACT SHEET BARNWELL County, 2013



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 Barnwell county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The largest portion (32%) of the population in Barnwell county are between the ages of 18-44. The elderly population (15%) is the same as the state's. Barnwell county's gender distribution is similar to the state's average, and its minority population (45%) is also higher than the state (29%).

	BARNWELL COUNTY	STATE
<b>Population size</b>	22,120	4,774,840
<b>Age distribution (%)</b>		
<18	24.9	22.8
18-44	31.6	35.4
45-64	28.0	26.6
65-84	13.7	13.6
85+	1.8	1.6
<b>Race (%)</b>		
White	53.8	69.2
Black	45.0	28.5
<b>Sex (%)</b>		
Male	47.7	48.7
Female	52.3	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 (%)	20.08	17.50	21.35	23.63	17.09	22.00
Sedentary lifestyle (%)	25.85	28.60	24.99	23.56	27.82	26.87
Overweight or Obese (%)	68.49	77.84	66.06	70.51	66.66	66.47
High Cholesterol (%)	42.77	36.52	45.41	42.02	43.37	42.58
Median daily servings of fruits	0.99	0.99	0.99	0.85	1.00	0.99
Median daily servings of vegetables	1.60	1.20	1.67	1.49	1.70	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 (%)*	44.1	NA	NA	NA	NA	38.4
Number of hospitalizations	44	30	13	32	12	5,334
Crude rate of hospitalizations (per 100,000)	199	302	109	303	104	112
Median age of hospitalized patients	58	55	68	56	78	59
Total cost of hospitalization (\$)	1,298,000	741,300	361,500	1,027,600	270,400	200,069,800
Average length of hospital stay (days)	5	4	5	5	4	5
Number of ER visits	96	70	25	41	55	15,651
Crude rate of ER visits (per 100,000)	434	704	210	389	475	328
Median age of ER patients	56	49	71	57	49	54
Total cost of ER visits (\$)	178,200	119,400	58,300	79,400	98,800	49,710,700
Number of deaths	3	2	1	2	1	418
Age-Adjusted Death rate (per 100,000)	10.4	15.6	7.6	15.2	6.0	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.9	NA	NA	NA	NA	4.9
Number of hospitalizations	209	85	121	98	111	50,827
Crude rate of hospitalizations (per 100,000)	945	854	1,018	929	959	1,064
Median age of hospitalized patients	67	60	72	65	71	68
Total cost of hospitalization (\$)	9,723,900	3,565,900	6,077,100	5,364,500	4,359,400	3,099,389,600
Average length of hospital stay (days)	5	5	4	5	5	5
Number of ER visits	224	97	127	118	106	19,962
Crude rate of ER visits (per 100,000)	1,013	975	1,068	1,118	916	418
Median age of ER patients	64	59	71	61	69	64
Total cost of ER visits (\$)	996,900	367,700	629,200	611,200	385,700	168,582,900
Number of deaths	62	22	40	35	27	9,604
Age-Adjusted Death rate (per 100,000)	227.9	238.3	222.9	285.1	171.0	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.7	NA	NA	NA	NA	3.8
Number of hospitalizations	64	24	38	31	33	14,943
Crude rate of hospitalizations (per 100,000)	289	241	320	294	285	313
Median age of hospitalized patients	66	63	68	61	69	69
Total cost of hospitalization (\$)	2,826,700	1,229,700	1,520,900	1,157,400	1,669,300	690,018,200
Average length of hospital stay (days)	5	7	4	5	6	5
Number of ER visits	28	10	18	12	16	5,283
Crude rate of ER visits (per 100,000)	127	101	151	114	138	111
Median age of ER patients	64	61	65	62	64	66
Total cost of ER visits (\$)	184,600	48,700	135,900	52,300	132,300	53,018,800
Number of deaths	18	5	13	11	7	2,488
Age-Adjusted Death rate (per 100,000)	72.2	59	82.1	102.8	44.2	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	77	26	50	31	46	15,659
Crude rate of hospitalizations (per 100,000)	348	261	421	294	398	328
Median age of hospitalized patients	65	65	65	65	63	63
Total cost of hospitalization (\$)	1,270,400	416,300	765,500	432,200	838,200	439,323,600
Average length of hospital stay (days)	3	3	3	3	4	4
Number of ER visits	390	205	177	151	239	49,050
Crude rate of ER visits (per 100,000)	1,763	2,060	1,489	1,431	2,066	1,027
Median age of ER patients	43	31	55	39	47	40
Total cost of ER visits (\$)	620,000	274,500	335,200	222,500	397,500	134,527,100
Number of deaths	23	6	17	16	7	2,751
Age-Adjusted Death rate (per 100,000)	88.9	66.4	100.0	157.4	43.6	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	NA	NA	NA	NA	12.5
Number of hospitalizations	60	42	17	32	28	9,764
Crude rate of hospitalizations (per 100,000)	271	422	143	303	242	204
Median age of hospitalized patients	42	39	54	41	57	51
Total cost of hospitalization (\$)	2,204,500	1,588,900	386,200	1,561,800	642,700	321,377,000
Average length of hospital stay (days)	5	5	4	6	5	5
Number of ER visits	124	98	24	65	59	13,909
Crude rate of ER visits (per 100,000)	561	985	202	616	510	291
Median age of ER patients	52	52	61	52	55	52
Total cost of ER visits (\$)	192,600	155,200	33,700	103,300	89,300	46,056,100
Number of deaths	5	3	2	-	5	1,239
Age-Adjusted Death rate (per 100,000)	19.5	37.2	11.5	0.0	33.1	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	46	22	22	24	22	14,136
Crude rate of hospitalizations (per 100,000)	208	221	185	227	190	296
Median age of hospitalized patients	61	66	59	61	61	64
Total cost of hospitalization (\$)	3,400,600	1,332,200	2,012,400	2,220,100	1,180,500	963,427,600
Average length of hospital stay (days)	6	6	7	8	4	7
Number of deaths	56	17	39	34	22	9,700
Age-Adjusted Death rate (per 100,000)	202.6	166.6	233.4	271.3	145.1	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	8	5	3	3	5	1,796
Crude rate of hospitalizations (per 100,000)	36	50	25.2	28.4	43	38
Median age of hospitalized patients	79	77	80	80	77	65
Total cost of hospitalization (\$)	346,800	50,000	296,800	219,300	127,500	140,452,900
Average length of hospital stay (days)	4	2	8	6.33	3	8
Number of deaths	2	2	0	0	2	821
Age-Adjusted Death rate (per 100,000)	8.5	28.2	0.0	0.0	13.5	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	3	3	0	6	923
Crude rate of hospitalizations (per 100,000)	52	55.66	50	0	52	38
Median age of hospitalized patients	58	53	61	0	58	59
Total cost of hospitalization (\$)	254,100	108700	145,400	0	254,100	50,631,800
Average length of hospital stay (days)	2	1.33	2	0	2	3
Number of deaths	3	1	2	0	3	633
Age-Adjusted Death rate (per 100,000)	25.0	11.6	34.7	0	25.0	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	0	0	1	142
Crude rate of hospitalizations (per 100,000)	8.6	18.6	0	0	8.6	6
Median age of hospitalized patients	79	79	0	0	79	55
Total cost of hospitalization (\$)	51500	51500	0	0	51500	6,269,800
Average length of hospital stay (days)	6	6	0	0	6	4
Number of deaths	1	1	0	0	1	74
Age-Adjusted Death rate (per 100,000)	6	15.8	0	0	6	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	4	3	1	3	1	2,041
Crude rate of hospitalizations (per 100,000)	18	30.2	8	28	9	43
Median age of hospitalized patients	65	66	61	63	70	67
Total cost of hospitalization (\$)	816,900	541,100	275,800	683,100	133,800	145,739,900
Average length of hospital stay (days)	12	12.67	9	14	6	7
Number of deaths	18	2	16	13	5	2,825
Age-Adjusted Death rate (per 100,000)	61.9	21.3	90.3	99.3	29.9	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2	1	1	2	0	970
Crude rate of hospitalizations (per 100,000)	19	21.9	17	19	0	42
Median age of hospitalized patients	68	71	64	68	0	63
Total cost of hospitalization (\$)	132,600	19000	113,600	132,600	0	46,328,200
Average length of hospital stay (days)	3	1	5	3	0	3
Number of deaths	6	4	2	6	0	457
Age-Adjusted Death rate (per 100,000)	45.3	78.4	26	45.3	0	21.2

\*DHEC Health Region Midlands: Aiken, Barnwell, Chester, Edgefield, Fairfield, Kershaw, Lancaster, Lexington, Newberry, Richland, Saluda, York.

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:**  
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2100 Bull St  
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Health and Demographics  
1919 Blanding Street  
Columbia, SC 29201  
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<http://rfa.sc.gov>

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

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