

# COORDINATED CHRONIC DISEASE FACT SHEET CALHOUN 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 Calhoun 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 Calhoun county are between the ages of 45-64. The elderly population (19%) is slightly higher than the state (15%). There are more females (51%) than males (49%). Calhoun's minority population (43%) is higher than the state (29%).

	CALHOUN COUNTY	STATE
<b>Population size</b>	15,060	4,774,840
<b>Age distribution (%)</b>		
<18	20.6	22.8
18-44	29.5	35.4
45-64	30.9	26.6
65-84	16.9	13.6
85+	2.1	1.6
<b>Race (%)</b>		
White	56.1	69.2
Black	42.8	28.5
<b>Sex (%)</b>		
Male	48.7	48.7
Female	51.3	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 (%)	16.36	14.96	16.28	21.65	12.01	22.00
Sedentary lifestyle (%)	23.85	27.03	21.83	22.64	24.86	26.87
Overweight or Obese (%)	65.50	73.09	63.37	69.24	62.22	66.47
High Cholesterol (%)	45.50	43.06	47.14	48.79	42.73	42.58
Median daily servings of fruits	1.00	1.05	1.00	0.98	1.12	0.99
Median daily servings of vegetables	1.57	1.14	1.72	1.45	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 (%)*	39.2	NA	NA	NA	NA	38.4
Number of hospitalizations	27	24	2	7	20	5,334
Crude rate of hospitalizations (per 100,000)	179	373	23.7	95	259	112
Median age of hospitalized patients	61	54	71	43	62	59
Total cost of hospitalization (\$)	1,748,000	1,634,000	28,000	274,400	1,473,600	200,069,800
Average length of hospital stay (days)	9	7	3	6	10	5
Number of ER visits	60	50	9	24	36	15,651
Crude rate of ER visits (per 100,000)	398	776	107	327	466	328
Median age of ER patients	56	56	58	53	59	54
Total cost of ER visits (\$)	180,600	151,400	28,600	79,500	101,100	49,710,700
Number of deaths	0	0	0	0	0	418
Age-Adjusted Death rate (per 100,000)	0	0	0	0	0	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.7	NA	NA	NA	NA	4.9
Number of hospitalizations	149	81	61	80	69	50,827
Crude rate of hospitalizations (per 100,000)	989	1,258	722	1,091	894	1,064
Median age of hospitalized patients	66	59	69	58	72	68
Total cost of hospitalization (\$)	8,158,600	4,140,700	3,817,400	4,546,400	3,612,200	3,099,389,600
Average length of hospital stay (days)	5	5	5	4	5	5
Number of ER visits	68	39	26	36	32	19,962
Crude rate of ER visits (per 100,000)	452	606	308	491	415	418
Median age of ER patients	68	64	72	62	69	64
Total cost of ER visits (\$)	640,700	335,200	292,800	360,900	279,800	168,582,900
Number of deaths	46	21	25	26	20	9,604
Age-Adjusted Death rate (per 100,000)	226.9	254.6	219.1	304.7	181.8	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	NA	NA	NA	NA	3.8
Number of hospitalizations	62	32	29	23	39	14,943
Crude rate of hospitalizations (per 100,000)	412	497	343	314	505	313
Median age of hospitalized patients	68	63	70	65	69	69
Total cost of hospitalization (\$)	3,399,000	1,434,700	1,821,300	1,037,200	2,361,800	690,018,200
Average length of hospital stay (days)	6	7	5	4	8	5
Number of ER visits	13	6	7	7	6	5,283
Crude rate of ER visits (per 100,000)	86	93	83	95	78	111
Median age of ER patients	71	71	79	71	74	66
Total cost of ER visits (\$)	108,500	54,400	54,100	68,500	40,000	53,018,800
Number of deaths	13	9	4	4	9	2,488
Age-Adjusted Death rate (per 100,000)	71.2	130.9	30.4	43.5	87.1	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	35	19	15	14	21	15,659
Crude rate of hospitalizations (per 100,000)	232	295	178	191	272	328
Median age of hospitalized patients	59	49	68	58	64	63
Total cost of hospitalization (\$)	958,900	481,600	469,900	462,200	496,700	439,323,600
Average length of hospital stay (days)	4	4	4	5	4	4
Number of ER visits	259	191	64	110	149	49,050
Crude rate of ER visits (per 100,000)	1,720	2,966	757	1,501	1,930	1,027
Median age of ER patients	36	33	48	40	33	40
Total cost of ER visits (\$)	660,000	466,600	181,300	271,400	388,600	134,527,100
Number of deaths	7	1	6	2	5	2,751
Age-Adjusted Death rate (per 100,000)	37.2	16.8	52.5	20.1	47.7	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	14.0	NA	NA	NA	NA	12.5
Number of hospitalizations	28	23	5	13	15	9,764
Crude rate of hospitalizations (per 100,000)	186	357	59	177	194	204
Median age of hospitalized patients	57	53	77	40	69	51
Total cost of hospitalization (\$)	1,261,400	1,129,700	131,700	773,100	488,300	321,377,000
Average length of hospital stay (days)	8	8	5	10	6	5
Number of ER visits	52	46	5	22	30	13,909
Crude rate of ER visits (per 100,000)	345	714	59	300	389	291
Median age of ER patients	56	56	26	53	57	52
Total cost of ER visits (\$)	159,100	132,600	24,300	67,300	91,800	46,056,100
Number of deaths	7	6	1	2	5	1,239
Age-Adjusted Death rate (per 100,000)	33.8	78.6	6.2	20.1	43.8	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	51	24	27	26	25	14,136
Crude rate of hospitalizations (per 100,000)	339	373	320	355	324	296
Median age of hospitalized patients	62	64	61	61	64	64
Total cost of hospitalization (\$)	3,301,600	1,421,200	1,880,400	1,747,700	1,553,900	963,427,600
Average length of hospital stay (days)	7	7	8	8	7	7
Number of deaths	36	16	20	22	14	9,700
Age-Adjusted Death rate (per 100,000)	176.6	213.2	154.0	223.9	135.8	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	3	4	5	2	1,796
Crude rate of hospitalizations (per 100,000)	46	47	47	68	26	38
Median age of hospitalized patients	57	69	55	57	61	65
Total cost of hospitalization (\$)	642,800	122,500	520,300	559,300	83,500	140,452,900
Average length of hospital stay (days)	9	6	12	11	5	8
Number of deaths	7	2	5	5	2	821
Age-Adjusted Death rate (per 100,000)	28.0	17.9	34.5	43.3	14.0	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	5	2	0	7	923
Crude rate of hospitalizations (per 100,000)	91	144	48.0	0	91	38
Median age of hospitalized patients	54	54	54.5	0	54	59
Total cost of hospitalization (\$)	316,700	217,800	98900	0	316,700	50,631,800
Average length of hospital stay (days)	1	1	1.5	0	1	3
Number of deaths	2	1	1	0	2	633
Age-Adjusted Death rate (per 100,000)	18.4	24.3	11.6	0	18.4	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)	13.0	28.8	0	0	13.0	6
Median age of hospitalized patients	79	79	0	0	79	55
Total cost of hospitalization (\$)	10900	10900	0	0	10900	6,269,800
Average length of hospital stay (days)	3	3	0	0	3	4
Number of deaths	0	0	0	0	0	74
Age-Adjusted Death rate (per 100,000)	0	0	0	0	0	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	5	3	2	1	4	2,041
Crude rate of hospitalizations (per 100,000)	33	47	24	14	52	43
Median age of hospitalized patients	71	71	67	75	65	67
Total cost of hospitalization (\$)	360,500	295,400	65,100	33,500	327,000	145,739,900
Average length of hospital stay (days)	7	9	4	4	8	7
Number of deaths	11	4	7	6	5	2,825
Age-Adjusted Death rate (per 100,000)	54.9	61.2	51.8	60.6	47.4	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	0	1	0	970
Crude rate of hospitalizations (per 100,000)	14	34	0	14	0	42
Median age of hospitalized patients	88	88	0	88	0	63
Total cost of hospitalization (\$)	30,800	30,800	0	30,800	0	46,328,200
Average length of hospital stay (days)	5	5	0	5	0	3
Number of deaths	2	1	1	2	0	457
Age-Adjusted Death rate (per 100,000)	20	40	12	20	0	21.2

\*DHEC Health Region Low Country: Allendale, Bamberg, Beaufort, Berkeley, Calhoun, Charleston, Colleton, Dorchester, Hampton, Jasper, Orangeburg.

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

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