

COORDINATED CHRONIC DISEASE FACT SHEET CHEROKEE

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

The largest portion (34%) of the population in Cherokee county are between the ages of 18-44. The elderly population (15%) is the same as the state. Cherokee county's gender distribution is the same as state's, and its minority population (21%) is also lower than the state (29%).

	CHEROKEE COUNTY	STATE
Population size	55,890	4,774,840
Age distribution (%)		
<18	24.0	22.8
18-44	34.3	35.4
45-64	26.9	26.6
65-84	13.3	13.6
85+	1.6	1.6
Race (%)		
White	77.6	69.2
Black	21.2	28.5
Sex (%)		
Male	48.6	48.7
Female	51.4	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	67	39	27	31	36	5,334
Crude rate of hospitalizations (per 100,000)	120	330	62	114	125	112
Median age of hospitalized patients	58	58	60	62	54	59
Total cost of hospitalization (\$)	2,540,500	1,571,600	949,300	1,001,800	1,538,700	200,069,800
Average length of hospital stay (days)	6	7	4	4	7	5
Number of ER visits	455	252	191	159	296	15,651
Crude rate of ER visits (per 100,000)	814	2,130	440	585	1,031	328
Median age of ER patients	50	47	56	55	49	54
Total cost of ER visits (\$)	1,015,500	574,200	431,300	326,500	689,000	49,710,700
Number of deaths	1	-	1	0	1	418
Age-Adjusted Death rate (per 100,000)	1.2	0.0	1.5	0.0	2.3	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	6	NA	NA	NA	NA	4.9
Number of hospitalizations	629	133	492	331	298	50,827
Crude rate of hospitalizations (per 100,000)	1,125	1,124	1,135	1,218	1,038	1,064
Median age of hospitalized patients	66	60	66	64	69	68
Total cost of hospitalization (\$)	30,297,900	4,570,500	25,498,000	17,876,700	12,421,200	3,099,389,600
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ER visits	369	89	269	209	160	19,962
Crude rate of ER visits (per 100,000)	660	752	620	769	557	418
Median age of ER patients	63	56	65	61	65	64
Total cost of ER visits (\$)	2,009,400	442,500	1,526,300	1,222,600	786,800	168,582,900
Number of deaths	152	32	119	83	69	9,604
Age-Adjusted Death rate (per 100,000)	237.4	349.3	219.3	299.0	190.2	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.2	NA	NA	NA	NA	3.8
Number of hospitalizations	169	33	133	81	88	14,943
Crude rate of hospitalizations (per 100,000)	302	279	307	298	307	313
Median age of hospitalized patients	68	62	71	68	66	69
Total cost of hospitalization (\$)	7,050,400	1,249,600	5,729,000	3,225,200	3,825,200	690,018,200
Average length of hospital stay (days)	6	5	6	6	6	5
Number of ER visits	104	22	80	37	67	5,283
Crude rate of ER visits (per 100,000)	186	186	185	136	233	111
Median age of ER patients	66	63	67	67	65	66
Total cost of ER visits (\$)	748,500	120,100	620,400	289,100	459,400	53,018,800
Number of deaths	23	6	17	9	14	2,488
Age-Adjusted Death rate (per 100,000)	37.3	59.5	33.1	36.9	37.4	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	182	27	148	65	117	15,659
Crude rate of hospitalizations (per 100,000)	326	228	341	239	408	328
Median age of hospitalized patients	61	37	63	57	62	63
Total cost of hospitalization (\$)	4,407,100	573,000	3,744,500	1,519,300	2,887,800	439,323,600
Average length of hospital stay (days)	4	3	4	4	4	4
Number of ER visits	563	182	356	248	315	49,050
Crude rate of ER visits (per 100,000)	1,007	1,538	821	912	1,098	1,027
Median age of ER patients	48	33	54	48	48	40
Total cost of ER visits (\$)	1,358,800	347,800	966,700	619,400	739,400	134,527,100
Number of deaths	39	5	34	20	19	2,751
Age-Adjusted Death rate (per 100,000)	62.3	58.3	63.6	74.3	52.4	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	NA	NA	NA	NA	12.5
Number of hospitalizations	129	25	102	53	76	9,764
Crude rate of hospitalizations (per 100,000)	231	211	235	195	265	204
Median age of hospitalized patients	47	60	40	54	40	51
Total cost of hospitalization (\$)	4,452,200	865,300	3,475,400	1,900,600	2,551,600	321,377,000
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ER visits	251	99	145	127	124	13,909
Crude rate of ER visits (per 100,000)	449	837	334	467	432	291
Median age of ER patients	50	48	50	51	47	52
Total cost of ER visits (\$)	696,600	236,500	439,200	311,800	384,800	46,056,100
Number of deaths	14	5	9	5	9	1,239
Age-Adjusted Death rate (per 100,000)	21.8	38.2	16.7	12.7	27.5	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	155	30	124	72	83	14,136
Crude rate of hospitalizations (per 100,000)	277	254	286	265	289	296
Median age of hospitalized patients	65	63	66	62	67	64
Total cost of hospitalization (\$)	10,390,900	1,788,300	8,529,200	5,689,100	4,701,800	963,427,600
Average length of hospital stay (days)	7	7	7	6	7	7
Number of deaths	132	15	117	64	68	9,700
Age-Adjusted Death rate (per 100,000)	194.9	139.8	207.5	218.4	180.6	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	19	3	15	12	7	1,796
Crude rate of hospitalizations (per 100,000)	34	25	35	44	24	38
Median age of hospitalized patients	61	72	61	56	71	65
Total cost of hospitalization (\$)	2,183,800	434,400	1,676,000	1,245,300	938,500	140,452,900
Average length of hospital stay (days)	12	16	11	10	15	8
Number of deaths	10	2	8	6	4	821
Age-Adjusted Death rate (per 100,000)	15.3	19.5	15.2	18.0	9.9	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)	21	47	14	0	21	38
Median age of hospitalized patients	67	66	69	0	67	59
Total cost of hospitalization (\$)	259,900	150,200	109,700	0	259,900	50,631,800
Average length of hospital stay (days)	5	6	4	0	5	3
Number of deaths	7	1	6	0	7	633
Age-Adjusted Death rate (per 100,000)	18.3	16	19.3	0	18.3	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	0	1	0	1	142
Crude rate of hospitalizations (per 100,000)	3	0.0	5	0	3	6
Median age of hospitalized patients	53	0	53	0	53	55
Total cost of hospitalization (\$)	5,600	0	5,600	0	5,600	6,269,800
Average length of hospital stay (days)	2	0	2	0	2	4
Number of deaths	3	1	2	0	3	74
Age-Adjusted Death rate (per 100,000)	10	11.7	10	0	10	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	33	6	27	18	15	2,041
Crude rate of hospitalizations (per 100,000)	59	51	62	66	52	43
Median age of hospitalized patients	65	61	67	65	65	67
Total cost of hospitalization (\$)	1,749,000	205,500	1,543,500	869,700	879,300	145,739,900
Average length of hospital stay (days)	6	5	7	6	8	7
Number of deaths	47	4	43	26	21	2,825
Age-Adjusted Death rate (per 100,000)	68.4	51.2	73.1	85.7	54.6	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	10	2	8	10	0	970
Crude rate of hospitalizations (per 100,000)	37	37	37	37	0	42
Median age of hospitalized patients	62	49	65	62	0	63
Total cost of hospitalization (\$)	327,000	74,700	252,300	327,000	0	46,328,200
Average length of hospital stay (days)	1	1	1	1	0	3
Number of deaths	2	-	2	2	0	457
Age-Adjusted Death rate (per 100,000)	10.8	0.0	12.1	10.8	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
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Columbia, SC 29201
Tel (803) 898-0584

Hospital discharge and ER visits, contact:

Revenue and Fiscal Affairs Office
Health and Demographics
1919 Blanding Street
Columbia, SC 29201
Tel (803) 898-9958
<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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<http://www.scdhec.gov/Health/SCPublicHealthStatisticsMaps/County-SpecificEpidemiologicalData/>

