

COORDINATED CHRONIC DISEASE FACT SHEET CLARENDON 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 Clarendon county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Clarendon county’s population is similar to the state population. The largest portion (32%) of the population in Clarendon county are between the ages of 18-44. There are more females (51%) than males (49%). However, Clarendon county has a much higher minority population (50%) than the state (29%).

	CLARENDON COUNTY	STATE
Population size	34,360	4,774,840
Age distribution (%)		
<18	20.8	22.8
18-44	31.8	35.4
45-64	28.3	26.6
65-84	17.4	13.6
85+	1.6	1.6
Race (%)		
White	49.7	69.2
Black	49.4	28.5
Sex (%)		
Male	49.2	48.7
Female	50.8	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 (%)	22.42	20.89	22.85	26.76	18.84	22.00
Sedentary lifestyle (%)	33.80	35.53	32.69	29.14	37.63	26.87
Overweight or Obese (%)	67.62	76.48	63.74	71.47	64.31	66.47
High Cholesterol (%)	49.90	47.92	50.25	51.87	48.42	42.58
Median daily servings of fruits	0.98	0.96	0.97	0.72	0.99	0.99
Median daily servings of vegetables	1.41	1.07	1.57	1.37	1.42	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 (%)*	47.1	NA	NA	NA	NA	38.4
Number of hospitalizations	59	52	6	23	36	5,334
Crude rate of hospitalizations (per 100,000)	172	307	35	136	206	112
Median age of hospitalized patients	66	64	72	64	67	59
Total cost of hospitalization (\$)	2,261,500	1,881,300	352,600	1,266,600	994,900	200,069,800
Average length of hospital stay (days)	7	8	7	10	6	5
Number of ER visits	166	128	36	62	104	15,651
Crude rate of ER visits (per 100,000)	483	755	211	367	596	328
Median age of ER patients	55	53	61	57	54	54
Total cost of ER visits (\$)	338,400	267,400	65,400	99,900	238,500	49,710,700
Number of deaths	6	4	2	2	4	418
Age-Adjusted Death rate (per 100,000)	14.2	19.2	10	12.0	17.2	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	6.4	NA	NA	NA	NA	4.9
Number of hospitalizations	569	267	290	338	231	50,827
Crude rate of hospitalizations (per 100,000)	1,656	1,574	1,700	2,001	1,323	1,064
Median age of hospitalized patients	70	67	71	67	73	68
Total cost of hospitalization (\$)	27,952,100	11,316,700	16,198,100	18,031,400	9,920,700	3,099,389,600
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ER visits	321	165	150	176	145	19,962
Crude rate of ER visits (per 100,000)	934	973	879	1,042	830	418
Median age of ER patients	65	62	68	64	70	64
Total cost of ER visits (\$)	1,221,600	645,000	562,800	665,400	556,200	168,582,900
Number of deaths	77	34	43	43	34	9,604
Age-Adjusted Death rate (per 100,000)	166.6	170.8	163.6	191.0	141.4	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.6	NA	NA	NA	NA	3.8
Number of hospitalizations	171	81	90	89	82	14,943
Crude rate of hospitalizations (per 100,000)	498	478	528	527	470	313
Median age of hospitalized patients	68	65	71	67	71	69
Total cost of hospitalization (\$)	8,591,100	3,932,900	4,658,200	4,043,100	4,548,000	690,018,200
Average length of hospital stay (days)	7	7	7	7	7	5
Number of ER visits	88	46	42	41	47	5,283
Crude rate of ER visits (per 100,000)	256	271	246	243	269	111
Median age of ER patients	69	66	70	70	68	66
Total cost of ER visits (\$)	473,300	263,500	209,800	183,100	290,200	53,018,800
Number of deaths	23	11	12	14	9	2,488
Age-Adjusted Death rate (per 100,000)	47.6	54.4	42.5	61.1	36.4	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	168	89	78	91	77	15,659
Crude rate of hospitalizations (per 100,000)	489	525	457	539	441	328
Median age of hospitalized patients	62	58	64	63	60	63
Total cost of hospitalization (\$)	3,066,800	1,563,400	1,499,500	1,820,300	1,246,500	439,323,600
Average length of hospital stay (days)	4	4	4	4	4	4
Number of ER visits	719	521	183	311	408	49,050
Crude rate of ER visits (per 100,000)	2,093	3,072	1,073	1,841	2,337	1,027
Median age of ER patients	34	28	45	26	36	40
Total cost of ER visits (\$)	1,149,300	785,200	344,600	511,000	638,300	134,527,100
Number of deaths	15	4	11	8	7	2,751
Age-Adjusted Death rate (per 100,000)	32.7	22.1	41.1	37.6	27.6	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	16.4	NA	NA	NA	NA	12.5
Number of hospitalizations	137	99	31	65	72	9,764
Crude rate of hospitalizations (per 100,000)	399	584	182	385	412	204
Median age of hospitalized patients	55	49	62	52	58	51
Total cost of hospitalization (\$)	2,722,700	1,929,100	683,800	1,386,700	1,336,000	321,377,000
Average length of hospital stay (days)	5	5	5	4	5	5
Number of ER visits	177	140	35	76	101	13,909
Crude rate of ER visits (per 100,000)	515	825	205	450	578	291
Median age of ER patients	55	55	59	55	58	52
Total cost of ER visits (\$)	446,800	320,500	95,900	211,900	234,900	46,056,100
Number of deaths	11	8	3	4	7	1,239
Age-Adjusted Death rate (per 100,000)	26.4	44.6	13.2	21.9	30.2	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	157	63	92	75	82	14,136
Crude rate of hospitalizations (per 100,000)	457	371	539	444	470	296
Median age of hospitalized patients	64	61	66	64	64	64
Total cost of hospitalization (\$)	9,379,100	3,439,300	5,773,900	4,349,900	5,029,200	963,427,600
Average length of hospital stay (days)	8	10	7	7	9	7
Number of deaths	94	32	62	55	39	9,700
Age-Adjusted Death rate (per 100,000)	200.4	172.3	215.7	257.3	156.4	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	16	9	7	7	9	1,796
Crude rate of hospitalizations (per 100,000)	47	53	41	41	52	38
Median age of hospitalized patients	58	60	57	57	60	65
Total cost of hospitalization (\$)	1,122,400	616,700	505,700	445,900	676,500	140,452,900
Average length of hospital stay (days)	9	11	7	9	10	8
Number of deaths	10	4	6	5	5	821
Age-Adjusted Death rate (per 100,000)	21.3	22.6	17.7	18.1	23.7	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	15	7	8	0	15	923
Crude rate of hospitalizations (per 100,000)	86	80	94	0	86	38
Median age of hospitalized patients	64	57	66	0	64	59
Total cost of hospitalization (\$)	665,700	335,300	330,400	0	665,700	50,631,800
Average length of hospital stay (days)	5	7	3	0	5	3
Number of deaths	9	3	6	0	9	633
Age-Adjusted Death rate (per 100,000)	35.3	28.3	39.2	0	35.3	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)	6	11	0	0	6	6
Median age of hospitalized patients	56	56	0	0	56	55
Total cost of hospitalization (\$)	138700	138700	0	0	138700	6,269,800
Average length of hospital stay (days)	19	19	0	0	19	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	24	7	17	12	12	2,041
Crude rate of hospitalizations (per 100,000)	70	41	100	71	69	43
Median age of hospitalized patients	64	61	65	64	65	67
Total cost of hospitalization (\$)	1,872,600	478,200	1,394,400	896,600	976,000	145,739,900
Average length of hospital stay (days)	10	9	11	10	11	7
Number of deaths	29	7	22	23	6	2,825
Age-Adjusted Death rate (per 100,000)	58.9	34.3	75.6	105.9	22.2	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	2	5	7	0	970
Crude rate of hospitalizations (per 100,000)	41	24	58	41	0	42
Median age of hospitalized patients	60	65	60	60	0	63
Total cost of hospitalization (\$)	364,000	88,000	276,000	364,000	0	46,328,200
Average length of hospital stay (days)	2	2	2	2	0	3
Number of deaths	7	3	4	7	0	457
Age-Adjusted Death rate (per 100,000)	35.5	48.6	33.8	35.5	0	21.2

*DHEC Health Region Pee Dee: Chesterfield, Clarendon, Darlington, Dillon, Florence, Georgetown, Horry, Lee, Marion, Marlboro, Sumter, Williamsburg.

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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Hospital discharge and ER visits, contact:

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1919 Blanding Street
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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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<http://www.scdhec.gov/Health/SCPublicHealthStatisticsMaps/County-SpecificEpidemiologicalData/>

