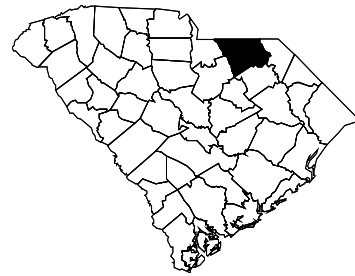


COORDINATED CHRONIC DISEASE FACT SHEET CHESTERFIELD



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

The distribution of Chesterfield county's population is similar to the state's. The largest portion (33%) of the population in Chesterfield county are between the ages of 18-44. There are more females (51%) than males (49%). Chesterfield county's minority population (33%) is higher than the state (29%).

	CHESTERFIELD COUNTY	STATE
Population size	46,200	4,774,840
Age distribution (%)		
<18	22.9	22.8
18-44	33.0	35.4
45-64	28.6	26.6
65-84	14.1	13.6
85+	1.4	1.6
Race (%)		
White	65.4	69.2
Black	33.2	28.5
Sex (%)		
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 (%)	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	41	30	10	27	14	5,334
Crude rate of hospitalizations (per 100,000)	89	196	33	120	59	112
Median age of hospitalized patients	56	51	73	53	62	59
Total cost of hospitalization (\$)	1,487,900	989,800	429,300	751,400	736,500	200,069,800
Average length of hospital stay (days)	4	4	6	4	5	5
Number of ER visits	137	83	54	60	77	15,651
Standard rate of ER visits (per 100,000)	297	541	179	267	325	328
Median age of ER patients	56	50	61	58	52	54
Total cost of ER visits (\$)	406,500	245,600	160,900	179,100	227,400	49,710,700
Number of deaths	4	2	2	1	3	418
Age-Adjusted Death rate (per 100,000)	8.0	11.7	6.3	5.0	9.9	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	6.4	NA	NA	NA	NA	4.9
Number of hospitalizations	466	164	295	251	215	50,827
Crude rate of hospitalizations (per 100,000)	1,009	1,069	976	1,116	907	1,064
Median age of hospitalized patients	65	62	66	63	70	68
Total cost of hospitalization (\$)	29,199,500	8,468,900	19,913,500	17,105,200	12,094,300	3,099,389,600
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ER visits	223	83	137	108	115	19,962
Standard rate of ER visits (per 100,000)	483	541	453	480	485	418
Median age of ER patients	60	56	62	59	62	64
Total cost of ER visits (\$)	1,472,900	561,700	877,000	804,100	668,800	168,582,900
Number of deaths	119	35	84	64	55	9,604
Age-Adjusted Death rate (per 100,000)	228.2	240.1	225.6	270.7	193.1	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.6	NA	NA	NA	NA	3.8
Number of hospitalizations	159	55	102	79	80	14,943
Crude rate of hospitalizations (per 100,000)	344	359	337	351	338	313
Median age of hospitalized patients	68	61	72	67	69	69
Total cost of hospitalization (\$)	7,020,800	2,457,400	4,507,400	4,452,800	2,568,000	690,018,200
Average length of hospital stay (days)	4	5	3	5	3	5
Number of ER visits	50	18	32	20	30	5,283
Standard rate of ER visits (per 100,000)	108	117	106	89	127	111
Median age of ER patients	67	61	70	65	70	66
Total cost of ER visits (\$)	491,600	143,100	348,500	192,800	298,800	53,018,800
Number of deaths	20	7	13	7	13	2,488
Age-Adjusted Death rate (per 100,000)	42.0	55.8	39.1	33.4	44.9	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	157	46	111	64	93	15,659
Crude rate of hospitalizations (per 100,000)	340	300	367	284	392	328
Median age of hospitalized patients	62	61	63	62	63	63
Total cost of hospitalization (\$)	4,194,300	1,010,200	3,184,100	1,605,000	2,589,300	439,323,600
Average length of hospital stay (days)	4	3	4	3	4	4
Number of ER visits	264	126	137	122	142	49,050
Standard rate of ER visits (per 100,000)	571	821	453	542	599	1,027
Median age of ER patients	49	35	53	47	51	40
Total cost of ER visits (\$)	841,100	365,700	473,700	342,200	498,900	134,527,100
Number of deaths	30	6	23	17	13	2,751
Age-Adjusted Death rate (per 100,000)	56.7	42.9	61.6	69.3	47.2	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	16.4	NA	NA	NA	NA	12.5
Number of hospitalizations	88	46	39	43	45	9,764
Crude rate of hospitalizations (per 100,000)	190	300	129	191	190	204
Median age of hospitalized patients	56	55	60	56	55	51
Total cost of hospitalization (\$)	2,437,300	1,185,700	1,207,900	1,106,600	1,330,700	321,377,000
Average length of hospital stay (days)	4	4	4	3	4	5
Number of ER visits	134	90	41	63	71	13,909
Standard rate of ER visits (per 100,000)	290	587	136	280	300	291
Median age of ER patients	51	51	49	52	47	52
Total cost of ER visits (\$)	546,200	370,500	167,500	244,800	301,400	46,056,100
Number of deaths	5	3	2	4	1	5
Age-Adjusted Death rate (per 100,000)	9.8	21.6	4.9	16.3	3.7	9.8

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	134	34	99	68	66	14,136
Crude rate of hospitalizations (per 100,000)	290	222	327	302	278	296
Median age of hospitalized patients	64	58	65	65	64	64
Total cost of hospitalization (\$)	8,681,200	2,311,600	6,294,600	4,452,900	4,228,300	963,427,600
Average length of hospital stay (days)	6	7	6	6	6	7
Number of deaths	122	26	96	61	61	9,700
Age-Adjusted Death rate (per 100,000)	227.5	174.4	248.3	257.8	209.3	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	3	9	8	5	1,796
Crude rate of hospitalizations (per 100,000)	28	20	30	36	21	38
Median age of hospitalized patients	58	54	58	57	60	65
Total cost of hospitalization (\$)	1,040,600	324,600	641,000	590,700	449,900	140,452,900
Average length of hospital stay (days)	7	12	6	6	9	8
Number of deaths	7	0	7	5	2	821
Age-Adjusted Death rate (per 100,000)	13.2	0.0	18.7	22.1	7.0	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	8	3	5	0	8	923
Crude rate of hospitalizations (per 100,000)	34	37	33	0	34	38
Median age of hospitalized patients	63	56	64	0	63	59
Total cost of hospitalization (\$)	478,800	186,200	292,600	0	478,800	50,631,800
Average length of hospital stay (days)	2	1	3	0	2	3
Number of deaths	8	1	7	0	8	633
Age-Adjusted Death rate (per 100,000)	27.2	15.0	34.2	0	27.2	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2	2	0	0	2	142
Crude rate of hospitalizations (per 100,000)	8	25	0	0	8	6
Median age of hospitalized patients	31	31	0	0	31	55
Total cost of hospitalization (\$)	128,600	128,600	0	0	128,600	6,269,800
Average length of hospital stay (days)	9	9	0	0	9	4
Number of deaths	2	1	1	0	2	74
Age-Adjusted Death rate (per 100,000)	10.9	16.2	8.5	0	10.9	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	19	2	17	11	8	2,041
Crude rate of hospitalizations (per 100,000)	41	13	56	49	34	43
Median age of hospitalized patients	65	81	65	69	55	67
Total cost of hospitalization (\$)	1,461,500	382,900	1,078,600	770,000	691,500	145,739,900
Average length of hospital stay (days)	8	23	6	8	8	7
Number of deaths	48	8	40	26	22	2,825
Age-Adjusted Death rate (per 100,000)	86.3	55.1	99.4	104.3	72.6	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	2	7	9	0	970
Crude rate of hospitalizations (per 100,000)	40	28	47	40	0	42
Median age of hospitalized patients	66	61	66	66	0	63
Total cost of hospitalization (\$)	353,200	65,500	287,700	353,200	0	46,328,200
Average length of hospital stay (days)	3	4	3	3	0	3
Number of deaths	4	2	2	4	0	457
Age-Adjusted Death rate (per 100,000)	19.7	56.9	8.8	19.7	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:

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
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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/>

