

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

The distribution of Lexington county’s population is similar to the state population. The largest portion (35%) of the population in Lexington county are between the ages of 18-44, and there are more females (51%) than males (49%). However, Lexington county has a lower minority population (16%) than the state (29%).

	LEXINGTON COUNTY	STATE
<b>Population size</b>	273,750	4,774,840
<b>Age distribution (%)</b>		
<18	23.5	22.8
18-44	35.3	35.4
45-64	27.5	26.6
65-84	12.2	13.6
85+	1.5	1.6
<b>Race (%)</b>		
White	81.9	69.2
Black	15.6	28.5
<b>Sex (%)</b>		
Male	48.8	48.7
Female	51.2	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	170	68	88	85	85	5,334
Crude rate of hospitalizations (per 100,000)	62	159	39	64	61	112
Median age of hospitalized patients	60	52	69	55	63	59
Total cost of hospitalization (\$)	9,533,800	3,211,500	5,516,700	4,077,200	5,456,600	200,069,800
Average length of hospital stay (days)	6	6	7	6	7	5
Number of ER visits	565	205	321	235	330	15,651
Crude rate of ER visits (per 100,000)	206	480	143	176	235	328
Median age of ER patients	54	46	61	51	56	54
Total cost of ER visits (\$)	2,516,900	758,800	1,586,900	992,800	1,524,100	49,710,700
Number of deaths	14	3	11	4	10	418
Age-Adjusted Death rate (per 100,000)	5.1	12	4.6	3.1	6.3	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.9	NA	NA	NA	NA	4.9
Number of hospitalizations	2,958	369	2,520	1,723	1,235	50,827
Crude rate of hospitalizations (per 100,000)	1,081	865	1,123	1,290	881	1,064
Median age of hospitalized patients	68	59	69	65	72	68
Total cost of hospitalization (\$)	210,019,700	22,101,800	183,971,600	128,307,400	81,712,300	3,099,389,600
Average length of hospital stay (days)	6	7	6	5	6	5
Number of ER visits	974	166	781	500	474	19,962
Crude rate of ER visits (per 100,000)	356	389	348	374	338	418
Median age of ER patients	65	58	66	62	68	64
Total cost of ER visits (\$)	12,894,300	1,558,900	11,111,100	7,148,000	5,746,300	168,582,900
Number of deaths	486	48	435	287	199	9,604
Age-Adjusted Death rate (per 100,000)	170.8	176.7	170.2	236.3	120.2	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.7	NA	NA	NA	NA	3.8
Number of hospitalizations	807	114	671	396	411	14,943
Crude rate of hospitalizations (per 100,000)	295	267	299	296	293	313
Median age of hospitalized patients	68	62	69	67	70	69
Total cost of hospitalization (\$)	45,019,600	8,686,400	35,097,700	22,602,900	22,416,700	690,018,200
Average length of hospital stay (days)	6	11	5	6	6	5
Number of ER visits	163	18	137	69	94	5,283
Crude rate of ER visits (per 100,000)	60	42	61	52	67	111
Median age of ER patients	67	65	69	66	71	66
Total cost of ER visits (\$)	1,925,500	290,000	1,530,700	828,400	1,097,100	53,018,800
Number of deaths	111	11	98	43	68	2,488
Age-Adjusted Death rate (per 100,000)	40.5	36.8	39.8	39.3	41.0	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	583	81	480	263	320	15,659
Crude rate of hospitalizations (per 100,000)	213	190	214	197	228	328
Median age of hospitalized patients	60	49	63	57	62	63
Total cost of hospitalization (\$)	18,734,800	1,969,700	16,420,800	7,411,700	11,323,100	439,323,600
Average length of hospital stay (days)	5	4	5	4	5	4
Number of ER visits	2,659	738	1,794	1,145	1,514	49,050
Crude rate of ER visits (per 100,000)	971	1,729	800	857	1,080	1,027
Median age of ER patients	44	35	48	42	44	40
Total cost of ER visits (\$)	10,901,500	2,639,900	7,867,500	4,629,600	6,271,900	134,527,100
Number of deaths	129	2	126	68	61	2,751
Age-Adjusted Death rate (per 100,000)	46.6	13.0	49.9	61.2	37.2	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	NA	NA	NA	NA	12.5
Number of hospitalizations	370	83	275	187	183	9,764
Crude rate of hospitalizations (per 100,000)	135	194	123	140	131	204
Median age of hospitalized patients	52	48	53	54	50	51
Total cost of hospitalization (\$)	14,882,600	3,631,600	10,852,700	8,161,500	6,721,100	321,377,000
Average length of hospital stay (days)	6	6	6	6	6	5
Number of ER visits	651	212	416	306	345	13,909
Crude rate of ER visits (per 100,000)	238	497	185	229	246	291
Median age of ER patients	54	53	56	51	56	52
Total cost of ER visits (\$)	2,801,400	924,400	1,767,900	1,183,100	1,618,300	46,056,100
Number of deaths	42	8	34	21	21	1,239
Age-Adjusted Death rate (per 100,000)	13.8	30.4	12.8	14.1	12.6	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	694	83	594	352	342	14,136
Crude rate of hospitalizations (per 100,000)	254	194	265	263	244	296
Median age of hospitalized patients	64	58	65	65	63	64
Total cost of hospitalization (\$)	57,514,600	7,622,900	48,486,000	30,367,100	27,147,500	963,427,600
Average length of hospital stay (days)	8	10	8	9	8	7
Number of deaths	449	41	403	244	205	9,700
Age-Adjusted Death rate (per 100,000)	149.6	138.1	149.7	186.3	124.6	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	80	9	70	37	43	1,796
Crude rate of hospitalizations (per 100,000)	29	21	31	28	31	38
Median age of hospitalized patients	64	72	64	63	65	65
Total cost of hospitalization (\$)	8,856,600	1,117,500	7,636,600	4,027,800	4,828,800	140,452,900
Average length of hospital stay (days)	11	11	11	10	11	8
Number of deaths	37	4	33	18	19	821
Age-Adjusted Death rate (per 100,000)	12.1	14.8	12.2	12.7	11.6	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	48	5	41	0	48	923
Crude rate of hospitalizations (per 100,000)	34	22	36	0	34	38
Median age of hospitalized patients	57	61	57	0	57	59
Total cost of hospitalization (\$)	3,188,700	329,000	2,691,200	0	3,188,700	50,631,800
Average length of hospital stay (days)	3	7	3	0	3	3
Number of deaths	27	6	20	0	27	633
Age-Adjusted Death rate (per 100,000)	15.9	41.8	13.4	0	15.9	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	4	0	3	0	4	142
Crude rate of hospitalizations (per 100,000)	3	0	3	0	3	6
Median age of hospitalized patients	43	0	44	0	43	55
Total cost of hospitalization (\$)	127,700	0	111,800	0	127,700	6,269,800
Average length of hospital stay (days)	3	0	2	0	3	4
Number of deaths	1	0	1	0	1	74
Age-Adjusted Death rate (per 100,000)	1	0	1	0	1	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	82	7	73	46	36	2,041
Crude rate of hospitalizations (per 100,000)	30	16	33	34	26	43
Median age of hospitalized patients	69	60	70	71	67	67
Total cost of hospitalization (\$)	7,245,400	837,700	6,274,600	4,334,600	2,910,800	145,739,900
Average length of hospital stay (days)	10	14	9	10	9	7
Number of deaths	123	9	111	61	62	2,825
Age-Adjusted Death rate (per 100,000)	41.5	30.9	41.5	46.3	38.0	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	23	4	18	23	0	970
Crude rate of hospitalizations (per 100,000)	17	20	16	17	0	42
Median age of hospitalized patients	67	67	68	67	0	63
Total cost of hospitalization (\$)	1,690,500	315,900	1,315,100	1,690,500	0	46,328,200
Average length of hospital stay (days)	5	7	4	5	0	3
Number of deaths	23	3	19	23	0	457
Age-Adjusted Death rate (per 100,000)	21.9	43.9	19.4	21.9	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:**

Bureau of Community Health and Chronic Disease Prevention  
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2100 Bull St  
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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Tel (803) 898-9958  
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For more details, please view the Technical Document below  
<http://www.scdhec.gov/Health/docs/EpiTechNotes.pdf>

**Citation Format:**

State of South Carolina, Department of Health and Environmental Control, Bureau of Community Health and Chronic Disease Prevention, County Chronic Disease Fact Sheet  
November 2014

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

