

COORDINATED CHRONIC DISEASE FACT SHEET RICHLAND



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

The largest portion (42%) of the population in Richland county are between the ages of 18-44, which is higher than the state (35%). There are more females (51%) than males (49%). Richland county has a higher minority population (48%) than the state (29%).

	COUNTY	STATE
Population size	399,260	4,774,840
Age distribution (%)		
<18	23.4	22.8
18-44	42.2	35.4
45-64	23.6	26.6
65-84	9.5	13.6
85+	1.3	1.6
Race (%)		
White	48.8	69.2
Black	47.9	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 (%)	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 BRFS. 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	476	373	92	240	236	5,334
Crude rate of hospitalizations (per 100,000)	119	195	47	124	115	112
Median age of hospitalized patients	59	57	71	57	61	59
Total cost of hospitalization (\$)	21,548,900	17,949,400	3,115,700	12,687,000	8,861,900	200,069,800
Average length of hospital stay (days)	6	6	5	6	6	5
Number of ER visits	1,293	1,024	196	567	726	15,651
Crude rate of ER visits (per 100,000)	324	536	101	292	354	328
Median age of ER patients	51	50	63	49	53	54
Total cost of ER visits (\$)	3,005,200	2,120,200	587,600	1,328,400	1,676,800	49,710,700
Number of deaths	31	17	14	12	19	418
Age-Adjusted Death rate (per 100,000)	9.0	15.1	6.3	9.5	8.6	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.9	NA	NA	NA	NA	4.9
Number of hospitalizations	3,505	1,727	1,686	1,841	1,664	50,827
Crude rate of hospitalizations (per 100,000)	878	903	866	948	811	1,064
Median age of hospitalized patients	66	61	72	64	71	68
Total cost of hospitalization (\$)	226,475,300	113,578,600	106,918,000	132,449,400	94,025,900	3,099,389,600
Average length of hospital stay (days)	6	6	5	6	6	5
Number of ER visits	1,112	649	430	577	535	19,962
Crude rate of ER visits (per 100,000)	279	339	221	297	261	418
Median age of ER patients	60	57	66	58	63	64
Total cost of ER visits (\$)	9,577,700	4,521,500	4,761,100	5,122,900	4,454,800	168,582,900
Number of deaths	623	250	368	341	282	9,604
Age-Adjusted Death rate (per 100,000)	177.9	187.9	168.0	242.6	131.4	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.7	NA	NA	NA	NA	3.8
Number of hospitalizations	1,136	614	486	556	580	14,943
Crude rate of hospitalizations (per 100,000)	285	321	250	286	283	313
Median age of hospitalized patients	68	63	74	65	71	69
Total cost of hospitalization (\$)	64,397,600	38,622,100	22,531,100	32,931,200	31,466,400	690,018,200
Average length of hospital stay (days)	7	8	5	8	6	5
Number of ER visits	193	84	104	94	99	5,283
Crude rate of ER visits (per 100,000)	48	44	53	48	48	111
Median age of ER patients	69	60	77	67	70	66
Total cost of ER visits (\$)	1,524,400	580,100	889,300	752,500	771,900	53,018,800
Number of deaths	163	73	89	70	93	2,488
Age-Adjusted Death rate (per 100,000)	48.5	55.3	43.0	53.3	45.9	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	876	553	301	388	488	15,659
Crude rate of hospitalizations (per 100,000)	219	289	155	200	238	328
Median age of hospitalized patients	56	51	68	53	58	63
Total cost of hospitalization (\$)	25,631,800	14,351,200	10,931,600	10,516,100	15,115,700	439,323,600
Average length of hospital stay (days)	5	4	6	4	5	4
Number of ER visits	3,895	2,971	786	1,780	2,115	49,050
Crude rate of ER visits (per 100,000)	976	1,554	404	917	1,031	1,027
Median age of ER patients	35	32	48	29	41	40
Total cost of ER visits (\$)	8,447,600	5,979,900	2,150,600	3,507,100	4,940,500	134,527,100
Number of deaths	135	38	96	61	74	2,751
Age-Adjusted Death rate (per 100,000)	40.2	30.5	45.4	45.2	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	730	552	158	371	359	9,764
Crude rate of hospitalizations (per 100,000)	183	289	81	191	175	204
Median age of hospitalized patients	51	49	58	49	52	51
Total cost of hospitalization (\$)	29,280,100	22,079,800	6,363,000	16,116,600	13,163,500	321,377,000
Average length of hospital stay (days)	6	6	6	7	6	5
Number of ER visits	1,247	990	229	619	628	13,909
Crude rate of ER visits (per 100,000)	312	518	118	319	306	291
Median age of ER patients	51	51	53	50	53	52
Total cost of ER visits (\$)	3,237,700	2,549,900	607,700	1,588,000	1,649,700	46,056,100
Number of deaths	88	54	32	54	34	1,239
Age-Adjusted Death rate (per 100,000)	25.5	41.5	15.2	38.2	16.4	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,091	549	511	516	575	14,136
Crude rate of hospitalizations (per 100,000)	273	287	263	266	280	296
Median age of hospitalized patients	63	61	66	63	63	64
Total cost of hospitalization (\$)	78,161,700	39,104,400	36,634,900	41,237,300	36,924,400	963,427,600
Average length of hospital stay (days)	8	8	7	9	7	7
Number of deaths	707	291	411	364	343	9,700
Age-Adjusted Death rate (per 100,000)	195.9	202.6	192.0	245.1	165.8	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	86	42	39	42	44	1,796
Crude rate of hospitalizations (per 100,000)	22	22	20	22	21	38
Median age of hospitalized patients	64	59	68	61	64	65
Total cost of hospitalization (\$)	8,156,700	3,476,200	4,405,500	4,509,600	3,647,100	140,452,900
Average length of hospital stay (days)	10	9	11	11	9	8
Number of deaths	43	16	27	23	20	821
Age-Adjusted Death rate (per 100,000)	12.8	12.7	13.3	17.5	10.1	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	106	62	41	0	106	923
Crude rate of hospitalizations (per 100,000)	52	61	42	0	52	38
Median age of hospitalized patients	58	57	60	0	58	59
Total cost of hospitalization (\$)	5,903,800	3,364,900	2,358,500	0	5,903,800	50,631,800
Average length of hospital stay (days)	2	3	2	0	2	3
Number of deaths	60	34	26	0	60	633
Age-Adjusted Death rate (per 100,000)	29.8	40.6	23.1	0	29.8	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	2	1	0	3	142
Crude rate of hospitalizations (per 100,000)	1	2	1	0	1	6
Median age of hospitalized patients	59	59	55	0	59	55
Total cost of hospitalization (\$)	178,300	125,700	52,600	0	178,300	6,269,800
Average length of hospital stay (days)	4	6	1	0	4	4
Number of deaths	5	1	4	0	5	74
Age-Adjusted Death rate (per 100,000)	2.6	1.2	4.1	0	2.6	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	188	110	78	108	80	2,041
Crude rate of hospitalizations (per 100,000)	47	58	40	56	39	43
Median age of hospitalized patients	64	62	70	62	66	67
Total cost of hospitalization (\$)	11,770,900	6,490,000	5,280,900	7,072,500	4,698,400	145,739,900
Average length of hospital stay (days)	7	7	8	9	6	7
Number of deaths	190	84	105	106	84	2,825
Age-Adjusted Death rate (per 100,000)	51.6	52.6	49.4	67.0	39.6	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	68	38	28	68	0	970
Crude rate of hospitalizations (per 100,000)	35	42	29	35	0	42
Median age of hospitalized patients	63	61	64	63	0	63
Total cost of hospitalization (\$)	3,862,800	2,157,500	1,622,300	3,862,800	0	46,328,200
Average length of hospital stay (days)	3	3	2	3	0	3
Number of deaths	44	23	21	44	0	457
Age-Adjusted Death rate (per 100,000)	33.7	49.8	24.9	33.7	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
SC Department of Health and Environmental Control
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Columbia, SC 29201
Tel (803) 898-0584

Hospital discharge and ER visits, contact:
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Health and Demographics
1919 Blanding Street
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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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