

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

The distribution of Spartanburg county's population is similar to the state's. The largest portion (35%) of the population in Spartanburg county are between the ages 18-44, and there are more females (52%) than males (48%). However, Spartanburg county has a lower minority population (22%) than the state (29%).

	SPARTANBURG COUNTY	STATE
Population size	290,970	4,774,840
Age distribution (%)		
<18	23.9	22.8
18-44	34.8	35.4
45-64	26.7	26.6
65-84	13.0	13.6
85+	1.6	1.6
Race (%)		
White	75.6	69.2
Black	21.5	28.5
Sex (%)		
Male	48.5	48.7
Female	51.5	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	295	166	123	129	166	5,334
Crude rate of hospitalizations (per 100,000)	101	266	56	91	111	112
Median age of hospitalized patients	56	52	64	56	56	59
Total cost of hospitalization (\$)	10,048,400	4,975,900	4,928,000	4,314,200	5,734,200	200,069,800
Average length of hospital stay (days)	5	5	4	4	5	5
Number of ER visits	956	494	435	442	514	15,651
Crude rate of ER visits (per 100,000)	329	790	198	313	343	328
Median age of ER patients	53	49	59	53	53	54
Total cost of ER visits (\$)	3,083,900	1,571,000	1,453,500	1,293,700	1,790,200	49,710,700
Number of deaths	24	9	15	9	15	418
Age-Adjusted Death rate (per 100,000)	7.3	20.8	5.3	6.7	7.9	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	6	NA	NA	NA	NA	4.9
Number of hospitalizations	2,997	600	2,338	1,632	1,365	50,827
Crude rate of hospitalizations (per 100,000)	1,030	960	1,063	1,156	911	1,064
Median age of hospitalized patients	68	62	70	67	71	68
Total cost of hospitalization (\$)	169,538,500	29,454,000	137,280,600	102,132,300	67,406,200	3,099,389,600
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ER visits	1,032	220	782	562	470	19,962
Crude rate of ER visits (per 100,000)	355	352	355	398	314	418
Median age of ER patients	64	61	66	63	65	64
Total cost of ER visits (\$)	9,041,100	1,959,000	6,876,800	5,180,300	3,860,800	168,582,900
Number of deaths	596	95	496	334	262	9,604
Age-Adjusted Death rate (per 100,000)	184.9	190.3	185.2	241.3	137.2	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.2	NA	NA	NA	NA	3.8
Number of hospitalizations	1,044	234	781	523	521	14,943
Crude rate of hospitalizations (per 100,000)	359	374	355	370	348	313
Median age of hospitalized patients	69	62	70	66	71	69
Total cost of hospitalization (\$)	41,979,000	10,206,700	29,390,100	20,460,800	21,518,200	690,018,200
Average length of hospital stay (days)	5	5	4	5	5	5
Number of ER visits	339	61	271	130	209	5,283
Crude rate of ER visits (per 100,000)	117	98	123	92	140	111
Median age of ER patients	64	59	65	63	64	66
Total cost of ER visits (\$)	3,555,600	611,100	2,847,800	1,375,700	2,179,900	53,018,800
Number of deaths	185	40	140	75	110	2,488
Age-Adjusted Death rate (per 100,000)	58.4	84.8	53.2	57.3	58.2	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,432	255	1,154	526	906	15,659
Crude rate of hospitalizations (per 100,000)	492	408	525	372	605	328
Median age of hospitalized patients	64	57	65	63	64	63
Total cost of hospitalization (\$)	38,675,700	6,095,300	31,821,000	14,265,100	24,410,600	439,323,600
Average length of hospital stay (days)	4	4	4	4	5	4
Number of ER visits	2,590	1,032	1,454	1,167	1,423	49,050
Crude rate of ER visits (per 100,000)	890	1,651	661	826	950	1,027
Median age of ER patients	42	30	48	35	44	40
Total cost of ER visits (\$)	7,020,100	2,294,900	4,540,600	3,066,400	3,953,700	134,527,100
Number of deaths	222	19	201	113	109	2,751
Age-Adjusted Death rate (per 100,000)	66.7	37.8	72.0	80.0	56.6	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	NA	NA	NA	NA	12.5
Number of hospitalizations	615	216	385	317	298	9,764
Crude rate of hospitalizations (per 100,000)	211	346	175	224	199	204
Median age of hospitalized patients	51	48	52	52	51	51
Total cost of hospitalization (\$)	21,223,200	7,731,700	13,207,400	11,473,900	9,749,300	321,377,000
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ER visits	761	327	410	369	392	13,909
Crude rate of ER visits (per 100,000)	262	523	186	261	262	291
Median age of ER patients	49	47	51	49	50	52
Total cost of ER visits (\$)	2,218,500	914,100	1,265,100	1,032,800	1,185,700	46,056,100
Number of deaths	83	23	60	53	30	1,239
Age-Adjusted Death rate (per 100,000)	24.8	45.3	21.9	36.0	15.9	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	923	179	715	513	410	14,136
Crude rate of hospitalizations (per 100,000)	317	286	325	363	274	296
Median age of hospitalized patients	64	63	64	64	64	64
Total cost of hospitalization (\$)	60,533,200	10,984,800	47,571,400	35,271,700	25,261,500	963,427,600
Average length of hospital stay (days)	7	7	6	7	7	7
Number of deaths	580	118	456	307	273	9,700
Age-Adjusted Death rate (per 100,000)	173.2	224.0	166.0	207.2	148.7	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	114	17	95	56	58	1,796
Crude rate of hospitalizations (per 100,000)	39	27	43	40	39	38
Median age of hospitalized patients	65	65	65	64	66	65
Total cost of hospitalization (\$)	9,043,700	1,413,600	7,449,800	4,834,300	4,209,400	140,452,900
Average length of hospital stay (days)	8	8	8	9	7	8
Number of deaths	57	15	41	24	33	821
Age-Adjusted Death rate (per 100,000)	16.9	30.1	14.8	17.5	17.1	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	55	10	43	0	55	923
Crude rate of hospitalizations (per 100,000)	37	30	38	0	37	38
Median age of hospitalized patients	55	61	55	0	55	59
Total cost of hospitalization (\$)	2,438,300	612,000	1,767,000	0	2,438,300	50,631,800
Average length of hospital stay (days)	2	3	2	0	2	3
Number of deaths	45	8	36	0	45	633
Age-Adjusted Death rate (per 100,000)	24.7	23.7	25.2	0	24.7	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	2	6	0	9	142
Crude rate of hospitalizations (per 100,000)	6	5.99	3407	252	6	6
Median age of hospitalized patients	44	58	45.5	0	44	55
Total cost of hospitalization (\$)	318,800	68000	212,500	0	318,800	6,269,800
Average length of hospital stay (days)	3	3	3	0	3	4
Number of deaths	2	1	1	0	2	74
Age-Adjusted Death rate (per 100,000)	1.5	3.8	0.9	0	1.5	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	144	28	115	86	58	2,041
Crude rate of hospitalizations (per 100,000)	49	45	52	61	39	43
Median age of hospitalized patients	67	67	67	67	68	67
Total cost of hospitalization (\$)	10,431,000	1,271,100	9,135,500	6,346,000	4,085,000	145,739,900
Average length of hospital stay (days)	7	7	8	7	7	7
Number of deaths	161	27	133	93	68	2,825
Age-Adjusted Death rate (per 100,000)	47.0	51.2	47.2	61.1	36.6	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	84	18	65	84	0	970
Crude rate of hospitalizations (per 100,000)	59	62	60	59	0	42
Median age of hospitalized patients	62	57	63	62	0	63
Total cost of hospitalization (\$)	2,938,700	637,100	2,271,700	2,938,700	0	46,328,200
Average length of hospital stay (days)	1	2	1	1	0	3
Number of deaths	27	12	15	27	0	457
Age-Adjusted Death rate (per 100,000)	21.2	68.7	14.4	21.2	0	21.2

*DHEC Health Region 2: Cherokee, Greenville, 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
 SC Department of Health and Environmental Control
 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
 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/>

