

COORDINATED CHRONIC DISEASE FACT SHEET

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

The distribution of Jasper county’s population is similar to the state population. The largest portion (37%) of the population in Jasper county are between the ages of 18-44, however there are more males (52%) than females (48%). Jasper county has a higher minority population (46%) than the state (29%).

	JASPER COUNTY	STATE
Population size	26,630	4,774,840
Age distribution (%)		
<18	22.6	22.8
18-44	36.8	35.4
45-64	26.4	26.6
65-84	12.7	13.6
85+	1.5	1.6
Race (%)		
White	52.3	69.2
Black	46.1	28.5
Sex (%)		
Male	51.7	48.7
Female	48.3	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 (%)	16.36	14.96	16.28	21.65	12.01	22.00
Sedentary lifestyle (%)	23.85	27.03	21.83	22.64	24.86	26.87
Overweight or Obese (%)	65.50	73.09	63.37	69.24	62.22	66.47
High Cholesterol (%)	45.50	43.06	47.14	48.79	42.73	42.58
Median daily servings of fruits	1.00	1.05	1.00	0.98	1.12	0.99
Median daily servings of vegetables	1.57	1.14	1.72	1.45	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 (%)*	39.2	NA	NA	NA	NA	38.4
Number of hospitalizations	33	24	8	16	17	5,334
Crude rate of hospitalizations (per 100,000)	124	196	57	116	132	112
Median age of hospitalized patients	60	54	60	55	70	59
Total cost of hospitalization (\$)	1,080,200	755,900	307,900	509,600	570,600	200,069,800
Average length of hospital stay (days)	5	5	7	5	5	5
Number of ER visits	140	105	27	57	83	15,651
Crude rate of ER visits (per 100,000)	526	856	194	414	645	328
Median age of ER patients	51	50	54	54	48	54
Total cost of ER visits (\$)	449,300	325,700	103,200	203,400	245,900	49,710,700
Number of deaths	0	0	0	0	0	418
Age-Adjusted Death rate (per 100,000)	0.0	0.0	0	0	0.0	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.7	NA	NA	NA	NA	4.9
Number of hospitalizations	180	98	77	100	80	50,827
Crude rate of hospitalizations (per 100,000)	676	799	553	727	622	1,064
Median age of hospitalized patients	69	67	70	68	73	68
Total cost of hospitalization (\$)	5,706,400	2,532,800	2,925,000	3,346,600	2,359,800	3,099,389,600
Average length of hospital stay (days)	4	4	4	3	4	5
Number of ER visits	80	43	35	42	38	19,962
Crude rate of ER visits (per 100,000)	300	350	251	305	295	418
Median age of ER patients	60	62	57	60	60	64
Total cost of ER visits (\$)	587,000	251,200	327,500	283,200	303,800	168,582,900
Number of deaths	56	35	20	30	26	9,604
Age-Adjusted Death rate (per 100,000)	200.3	269.5	143.2	241.3	179.0	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	NA	NA	NA	NA	3.8
Number of hospitalizations	62	37	24	28	34	14,943
Crude rate of hospitalizations (per 100,000)	233	302	172	203	264	313
Median age of hospitalized patients	69	68	72	68	70	69
Total cost of hospitalization (\$)	2,445,300	1,603,900	831,700	938,000	1,507,300	690,018,200
Average length of hospital stay (days)	5	5	5	4	6	5
Number of ER visits	40	25	11	17	23	5,283
Crude rate of ER visits (per 100,000)	150	204	79	124	179	111
Median age of ER patients	64	62	76	60	67	66
Total cost of ER visits (\$)	457,700	241,700	174,800	206,700	251,000	53,018,800
Number of deaths	16	13	3	6	10	2,488
Age-Adjusted Death rate (per 100,000)	50.8	92.8	17.4	34.9	61.4	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	63	24	32	27	36	15,659
Crude rate of hospitalizations (per 100,000)	237	196	230	196	280	328
Median age of hospitalized patients	65	60	66	60	66	63
Total cost of hospitalization (\$)	1,250,900	560,600	617,100	540,100	710,800	439,323,600
Average length of hospital stay (days)	4	5	3	4	3	4
Number of ER visits	242	140	86	108	134	49,050
Crude rate of ER visits (per 100,000)	909	1,141	618	785	1,041	1,027
Median age of ER patients	34	31	45	26	40	40
Total cost of ER visits (\$)	576,000	292,200	254,800	236,300	339,700	134,527,100
Number of deaths	12	5	7	6	6	2,751
Age-Adjusted Death rate (per 100,000)	41.5	40.2	42.1	48.0	38.8	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	14.0	NA	NA	NA	NA	12.5
Number of hospitalizations	60	38	21	30	30	9,764
Crude rate of hospitalizations (per 100,000)	225	310	151	218	233	204
Median age of hospitalized patients	47	45	49	53	37	51
Total cost of hospitalization (\$)	1,571,700	1,184,500	375,500	899,900	671,800	321,377,000
Average length of hospital stay (days)	4	5	4	5	4	5
Number of ER visits	115	93	18	55	60	13,909
Crude rate of ER visits (per 100,000)	432	758	129	400	466	291
Median age of ER patients	45	43	47	46	43	52
Total cost of ER visits (\$)	419,500	336,300	72,500	187,900	231,600	46,056,100
Number of deaths	6	6	-	3	3	1,239
Age-Adjusted Death rate (per 100,000)	22.3	47.4	0.0	28.0	16.8	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	52	19	33	21	31	14,136
Crude rate of hospitalizations (per 100,000)	195	155	237	153	241	296
Median age of hospitalized patients	63	63	62	64	62	64
Total cost of hospitalization (\$)	2,781,600	689,800	2,091,800	1,078,800	1,702,800	963,427,600
Average length of hospital stay (days)	6	6	7	6	7	7
Number of deaths	55	28	27	29	26	9,700
Age-Adjusted Death rate (per 100,000)	181.1	209.0	161.7	201.1	160.5	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	10	2	8	5	5	1,796
Crude rate of hospitalizations (per 100,000)	38	16	57	36	39	38
Median age of hospitalized patients	62	63	59	54	63	65
Total cost of hospitalization (\$)	649,600	185,900	463,700	311,000	338,600	140,452,900
Average length of hospital stay (days)	7	7	7	7	7	8
Number of deaths	5	2	3	1	4	821
Age-Adjusted Death rate (per 100,000)	17.2	16.6	19.9	5.6	26.3	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	0	3	0	3	923
Crude rate of hospitalizations (per 100,000)	23	0	46	0	23	38
Median age of hospitalized patients	80	0	80	0	80	59
Total cost of hospitalization (\$)	93,900	0	93,900	0	93,900	50,631,800
Average length of hospital stay (days)	1	0	1	0	1	3
Number of deaths	0	0	0	0	0	633
Age-Adjusted Death rate (per 100,000)	0	0	0	0	0	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	0	0	0	0	0	142
Crude rate of hospitalizations (per 100,000)	0	0	0	0	0	6
Median age of hospitalized patients	0	0	0	0	0	55
Total cost of hospitalization (\$)	0	0	0	0	0	6,269,800
Average length of hospital stay (days)	0	0	0	0	0	4
Number of deaths	1	1	0	0	1	74
Age-Adjusted Death rate (per 100,000)	5.3	11.6	0	0	5.3	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	2	4	2	4	2,041
Crude rate of hospitalizations (per 100,000)	23	16	28.7	15	31.1	43
Median age of hospitalized patients	71	70	71	71	69.5	67
Total cost of hospitalization (\$)	253,200	58,000	195,200	74,400	178,800	145,739,900
Average length of hospital stay (days)	9	9	9.25	9	9.25	7
Number of deaths	9	5	4	7	2	2,825
Age-Adjusted Death rate (per 100,000)	27.9	38.0	19.9	47.0	10.2	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	4	2	2	4	0	970
Crude rate of hospitalizations (per 100,000)	29.1	32.4	27.2	29.1	0	42
Median age of hospitalized patients	64.5	63.5	64.5	64.5	0	63
Total cost of hospitalization (\$)	122,400	51,900	70,500	122,400	0	46,328,200
Average length of hospital stay (days)	2.5	3.5	1.5	2.5	0	3
Number of deaths	3	3	0	3	0	457
Age-Adjusted Death rate (per 100,000)	17.4	42.0	0.0	17.4	0	21.2

*DHEC Health Region Low Country: Allendale, Bamberg, Beaufort, Berkeley, Calhoun, Charleston, Colleton, Dorchester, Hampton, Jasper, Orangeburg.

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/>

