

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

The largest portion (30%) of the population in McCormick county are between the ages of 45-64 which is higher than the state (27%). The elderly population (29%) is higher than the state (15%). There are more males (55%) than females (44%). McCormick county has a higher minority population (50%) than the state (29%).

	MCCORMICK COUNTY	STATE
Population size	9,950	4,774,840
Age distribution (%)		
<18	13.2	22.8
18-44	28.0	35.4
45-64	30.1	26.6
65-84	27.0	13.6
85+	1.6	1.6
Race (%)		
White	49.5	69.2
Black	49.8	28.5
Sex (%)		
Male	54.7	48.7
Female	45.2	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 (%)	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	14	14	0	3	11	5,334
Crude rate of hospitalizations (per 100,000)	141	282	0	55	244	112
Median age of hospitalized patients	29	29	.	41	29	59
Total cost of hospitalization (\$)	224,300	224,300	0	46,100	178,200	200,069,800
Average length of hospital stay (days)	2	2	0	2	2	5
Number of ER visits	24	20	4	12	12	15,651
Crude rate of ER visits (per 100,000)	241	403	81	221	267	328
Median age of ER patients	64	61	83	64	63	54
Total cost of ER visits (\$)	77,600	53,700	23,900	29,600	48,000	49,710,700
Number of deaths	2	1	1	1	1	418
Age-Adjusted Death rate (per 100,000)	19.4	29.3	15	22.8	17	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	6	NA	NA	NA	NA	4.9
Number of hospitalizations	93	39	53	55	38	50,827
Crude rate of hospitalizations (per 100,000)	935	786	1,075	1,011	844	1,064
Median age of hospitalized patients	69	61	75	67	77	68
Total cost of hospitalization (\$)	4,483,100	1,685,000	2,776,800	3,132,700	1,350,400	3,099,389,600
Average length of hospital stay (days)	4	3	5	5	4	5
Number of ER visits	40	18	22	17	23	19,962
Crude rate of ER visits (per 100,000)	402	363	446	313	511	418
Median age of ER patients	69	59	75	64	75	64
Total cost of ER visits (\$)	327,900	82,900	245,000	147,700	180,200	168,582,900
Number of deaths	16	5	11	10	6	9,604
Age-Adjusted Death rate (per 100,000)	107.5	128.8	86.7	148.0	72.2	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.2	NA	NA	NA	NA	3.8
Number of hospitalizations	32	19	12	19	13	14,943
Crude rate of hospitalizations (per 100,000)	322	383	243	349	289	313
Median age of hospitalized patients	68	63	79	67	78	69
Total cost of hospitalization (\$)	1,163,300	811,700	301,200	788,800	374,500	690,018,200
Average length of hospital stay (days)	4	5	3	4	3	5
Number of ER visits	9	6	3	2	7	5,283
Crude rate of ER visits (per 100,000)	90	121	61	37	156	111
Median age of ER patients	64	70	63	61	75	66
Total cost of ER visits (\$)	92,700	73,900	18,800	24,200	68,500	53,018,800
Number of deaths	8	4	4	4	4	2,488
Age-Adjusted Death rate (per 100,000)	50.6	78.5	38.4	46.9	49.9	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	35	19	16	9	26	15,659
Crude rate of hospitalizations (per 100,000)	352	383	325	165	578	328
Median age of hospitalized patients	64	63	69	70	63	63
Total cost of hospitalization (\$)	796,200	447,300	348,900	219,200	577,000	439,323,600
Average length of hospital stay (days)	3	3	4	4	3	4
Number of ER visits	108	76	32	54	54	49,050
Crude rate of ER visits (per 100,000)	1,085	1,532	649	993	1,200	1,027
Median age of ER patients	43	39	60	31	52	40
Total cost of ER visits (\$)	317,800	197,800	120,000	144,600	173,200	134,527,100
Number of deaths	8	1	7	3	5	2,751
Age-Adjusted Death rate (per 100,000)	48.6	13.4	63.0	41.3	56.7	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	NA	NA	NA	NA	12.5
Number of hospitalizations	18	16	1	10	8	9,764
Crude rate of hospitalizations (per 100,000)	181	323	20	184	178	204
Median age of hospitalized patients	51	50	63	54	39	51
Total cost of hospitalization (\$)	744,100	707,400	13,800	489,600	254,500	321,377,000
Average length of hospital stay (days)	5	6	3	7	4	5
Number of ER visits	37	27	9	8	29	13,909
Crude rate of ER visits (per 100,000)	372	544	183	147	644	291
Median age of ER patients	55	55	60	63	43	52
Total cost of ER visits (\$)	126,700	101,300	23,500	33,700	93,000	46,056,100
Number of deaths	4	1	3	1	3	1,239
Age-Adjusted Death rate (per 100,000)	34.6	24.1	43.9	11.1	50.6	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	37	15	22	16	21	14,136
Crude rate of hospitalizations (per 100,000)	372	302	446	294	467	296
Median age of hospitalized patients	68	63	74	68	74	64
Total cost of hospitalization (\$)	1,644,100	698,800	945,300	846,800	797,300	963,427,600
Average length of hospital stay (days)	5	6	4	7	4	7
Number of deaths	24	12	12	10	14	9,700
Age-Adjusted Death rate (per 100,000)	128.5	175.3	88.9	93.7	160.5	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	4	3	4	3	1,796
Crude rate of hospitalizations (per 100,000)	70	81	61	73.52941176	67	38
Median age of hospitalized patients	48	47	58	58.5	48	65
Total cost of hospitalization (\$)	518,100	340,800	177,300	314,800	203,300	140,452,900
Average length of hospital stay (days)	9	10	8	9.25	8	8
Number of deaths	1	1	0	0	1	821
Age-Adjusted Death rate (per 100,000)	5.3	12.8	0.0	0.0	10.9	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	0	0	1	923
Crude rate of hospitalizations (per 100,000)	22	46	0	0	22	38
Median age of hospitalized patients	80	80	0	0	80	59
Total cost of hospitalization (\$)	22900	22900	0	0	22900	50,631,800
Average length of hospital stay (days)	1	1	0	0	1	3
Number of deaths	1	0	1	0	1	633
Age-Adjusted Death rate (per 100,000)	16.9	0.0	25.8	0	16.9	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)	10.9	26.6	0	0	10.9	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	0	6	1	5	2,041
Crude rate of hospitalizations (per 100,000)	60	0	122	18	111	43
Median age of hospitalized patients	76	0	76	73	78	67
Total cost of hospitalization (\$)	378,800	0	378,800	66,300	312,500	145,739,900
Average length of hospital stay (days)	5	0	5	3	5	7
Number of deaths	7	4	3	3	4	2,825
Age-Adjusted Death rate (per 100,000)	44.7	55.8	31.2	38.2	45.5	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	0	1	1	0	970
Crude rate of hospitalizations (per 100,000)	18	0	37.7	18	0	42
Median age of hospitalized patients	84	0	84	84	0	63
Total cost of hospitalization (\$)	25,000	0	25,000	25,000	0	46,328,200
Average length of hospital stay (days)	4	0	4	4	0	3
Number of deaths	1	1	0	1	0	457
Age-Adjusted Death rate (per 100,000)	7.4	29.9	0.0	7.4	0	21.2

*DHEC Health Region Upstate: Abbeville, Anderson, Cherokee, Greenwood, Laurens, McCormick, Oconee, 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
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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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<http://www.scdhec.gov/Health/SCPublicHealthStatisticsMaps/County-SpecificEpidemiologicalData/>

Hospital discharge and ER visits, contact:

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