

COORDINATED CHRONIC DISEASE FACT SHEET KERSHAW

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

The distribution of Kershaw county’s population is similar to the state population. The largest portion (32%) of the population in Kershaw county are between the ages of 18-44, and there are more females (52%) than males (48%). Kershaw county's minority population (26%) is lower than the state (29%).

	KERSHAW COUNTY	STATE
Population size	62,520	4,774,840
Age distribution (%)		
<18	23.5	22.8
18-44	31.7	35.4
45-64	28.9	26.6
65-84	14.3	13.6
85+	1.6	1.6
Race (%)		
White	73.1	69.2
Black	25.7	28.5
Sex (%)		
Male	48.4	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 (%)	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	69	48	21	33	36	5,334
Crude rate of hospitalizations (per 100,000)	110	299	46	109	112	112
Median age of hospitalized patients	56	57	56	56	57	59
Total cost of hospitalization (\$)	2,607,500	2,071,200	536,300	1,867,100	740,400	200,069,800
Average length of hospital stay (days)	5	6	3	6	3	5
Number of ER visits	208	133	72	84	124	15,651
Crude rate of ER visits (per 100,000)	333	828	158	277	385	328
Median age of ER patients	54	51	63	52	56	54
Total cost of ER visits (\$)	637,600	424,900	208,900	236,200	401,400	49,710,700
Number of deaths	5	2	3	1	4	418
Age-Adjusted Death rate (per 100,000)	6.8	13.5	4.8	3.6	9.0	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.9	NA	NA	NA	NA	4.9
Number of hospitalizations	1,000	266	711	552	448	50,827
Crude rate of hospitalizations (per 100,000)	1,599	1,655	1,556	1,822	1,390	1,064
Median age of hospitalized patients	69	66	70	67	72	68
Total cost of hospitalization (\$)	45,031,500	12,645,200	31,371,200	26,893,500	18,138,000	3,099,389,600
Average length of hospital stay (days)	5	6	4	5	5	5
Number of ER visits	292	93	194	130	162	19,962
Crude rate of ER visits (per 100,000)	467	579	425	429	503	418
Median age of ER patients	63	62	64	62	64	64
Total cost of ER visits (\$)	1,798,800	538,400	1,237,300	801,300	997,500	168,582,900
Number of deaths	136	36	98	77	59	9,604
Age-Adjusted Death rate (per 100,000)	187.7	204.3	180.0	248.8	132.4	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.7	NA	NA	NA	NA	3.8
Number of hospitalizations	253	61	190	118	135	14,943
Crude rate of hospitalizations (per 100,000)	405	380	416	390	419	313
Median age of hospitalized patients	72	64	73	70	75	69
Total cost of hospitalization (\$)	11,999,300	2,676,400	9,204,600	4,550,100	7,449,200	690,018,200
Average length of hospital stay (days)	6	7	5	5	6	5
Number of ER visits	74	22	51	37	37	5,283
Crude rate of ER visits (per 100,000)	118	137	112	122	115	111
Median age of ER patients	66	65	66	71	62	66
Total cost of ER visits (\$)	600,300	147,600	448,100	220,900	379,400	53,018,800
Number of deaths	36	8	28	18	18	2,488
Age-Adjusted Death rate (per 100,000)	50.1	44.5	52.0	63.4	41.3	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	322	55	254	126	196	15,659
Crude rate of hospitalizations (per 100,000)	515	342	556	416	608	328
Median age of hospitalized patients	64	53	67	67	64	63
Total cost of hospitalization (\$)	7,261,800	997,200	5,911,400	2,629,300	4,632,500	439,323,600
Average length of hospital stay (days)	4	4	4	4	5	4
Number of ER visits	874	362	483	366	508	49,050
Crude rate of ER visits (per 100,000)	1,398	2,253	1,057	1,208	1,577	1,027
Median age of ER patients	43	33	49	38	46	40
Total cost of ER visits (\$)	1,586,700	546,300	1,006,300	641,900	944,800	134,527,100
Number of deaths	47	9	38	26	21	2,751
Age-Adjusted Death rate (per 100,000)	62.5	46.4	67.1	86.2	47.4	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	NA	NA	NA	NA	12.5
Number of hospitalizations	142	48	92	78	64	9,764
Crude rate of hospitalizations (per 100,000)	227	299	201	258	199	204
Median age of hospitalized patients	44	44	45	49	35	51
Total cost of hospitalization (\$)	3,742,300	1,276,200	2,411,000	2,036,800	1,705,500	321,377,000
Average length of hospital stay (days)	5	5	4	4	5	5
Number of ER visits	197	106	87	92	105	13,909
Crude rate of ER visits (per 100,000)	315	660	190	304	326	291
Median age of ER patients	46	47	45	54	39	52
Total cost of ER visits (\$)	483,100	217,200	259,100	227,000	256,100	46,056,100
Number of deaths	25	11	14	10	15	1,239
Age-Adjusted Death rate (per 100,000)	32.4	61.7	23.5	27.1	33.7	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	324	87	222	149	175	14,136
Crude rate of hospitalizations (per 100,000)	518	541	486	492	543	296
Median age of hospitalized patients	63	61	66	63	63	64
Total cost of hospitalization (\$)	21,874,300	7,305,700	13,437,800	8,889,900	12,984,400	963,427,600
Average length of hospital stay (days)	7	9	6	7	8	7
Number of deaths	162	39	123	87	75	9,700
Age-Adjusted Death rate (per 100,000)	208.6	217.3	209.8	264.1	172.8	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	46	10	34	25	21	1,796
Crude rate of hospitalizations (per 100,000)	74	62	74	83	65	38
Median age of hospitalized patients	64	60	67	62	74	65
Total cost of hospitalization (\$)	2,748,900	767,100	1,939,200	1,682,500	1,066,400	140,452,900
Average length of hospital stay (days)	8	10	8	9	8	8
Number of deaths	13	3	10	7	6	821
Age-Adjusted Death rate (per 100,000)	18.2	11.7	20.0	23.1	15.1	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	22	7	15	0	22	923
Crude rate of hospitalizations (per 100,000)	68	82	64	0	68	38
Median age of hospitalized patients	58	46	62	0	58	59
Total cost of hospitalization (\$)	1,380,000	627,900	752,100	0	1,380,000	50,631,800
Average length of hospital stay (days)	3	3	3	0	3	3
Number of deaths	10	3	7	0	10	633
Age-Adjusted Death rate (per 100,000)	22.5	28.0	20.5	0	22.5	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	2	1	1	0	2	142
Crude rate of hospitalizations (per 100,000)	6.2	11.7	4.3	0.0	6.2	6
Median age of hospitalized patients	59.5	62	57	0	59.5	55
Total cost of hospitalization (\$)	86200	34700	51500	0	86200	6,269,800
Average length of hospital stay (days)	2.5	4	1	0	2.5	4
Number of deaths	2	2	0	0	2	74
Age-Adjusted Death rate (per 100,000)	5.5	22.2	0.0	0	5.5	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	48	7	39	15	33	2,041
Crude rate of hospitalizations (per 100,000)	77	44	85	50	102	43
Median age of hospitalized patients	67	67	67	69	66	67
Total cost of hospitalization (\$)	2,638,500	334,600	2,267,400	769,000	1,869,500	145,739,900
Average length of hospital stay (days)	6	6	6	5	7	7
Number of deaths	32	5	27	14	18	2,825
Age-Adjusted Death rate (per 100,000)	38.4	23.5	42.9	35.3	39.0	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	5	7	13	0	970
Crude rate of hospitalizations (per 100,000)	43	66	31	43	0	42
Median age of hospitalized patients	61	59	66	61	0	63
Total cost of hospitalization (\$)	729,800	271,200	400,100	729,800	0	46,328,200
Average length of hospital stay (days)	2	3	2	2	0	3
Number of deaths	4	3	1	4	0	457
Age-Adjusted Death rate (per 100,000)	14.7	62.2	2.9	14.7	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
2100 Bull St
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Tel (803) 898-0584

Hospital discharge and ER visits, contact:
Revenue and Fiscal Affairs Office
Health and Demographics
1919 Blanding Street
Columbia, SC 29201
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<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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