

# COORDINATED CHRONIC DISEASE FACT SHEET BERKELEY



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

The population in Berkeley county under the age of 45 is (63%) which is higher than the state percentage (58%). Berkeley county's minority population (26%) is lower than the state (29%).

	BERKELEY COUNTY	STATE
<b>Population size</b>	194,020	4,774,840
<b>Age distribution (%)</b>		
<18	24.6	22.8
18-44	38.3	35.4
45-64	25.3	26.6
65-84	10.8	13.6
85+	1.0	1.6
<b>Race (%)</b>		
White	70.4	69.2
Black	25.9	28.5
<b>Sex (%)</b>		
Male	50.0	48.7
Female	50.0	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	156	92	61	69	87	5,334
Crude rate of hospitalizations (per 100,000)	80	183	45	71	90	112
Median age of hospitalized patients	60	55	69	53	65	59
Total cost of hospitalization (\$)	5,706,200	3,210,800	2,467,200	2,715,500	2,990,700	200,069,800
Average length of hospital stay (days)	3	3	4	3	3	5
Number of ER visits	393	211	165	150	243	15,651
Crude rate of ER visits (per 100,000)	203	421	121	155	250	328
Median age of ER patients	56	53	63	55	57	54
Total cost of ER visits (\$)	1,472,800	764,400	664,500	558,900	913,900	49,710,700
Number of deaths	6	4	2	2	4	418
Age-Adjusted Death rate (per 100,000)	3.8	9.4	2.3	3.6	4.1	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.7	NA	NA	NA	NA	4.9
Number of hospitalizations	1,394	415	932	746	648	50,827
Crude rate of hospitalizations (per 100,000)	718	827	682	769	668	1,064
Median age of hospitalized patients	68	63	69	65	71	68
Total cost of hospitalization (\$)	108,587,700	29,280,900	74,836,900	62,373,100	46,214,600	3,099,389,600
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ER visits	588	183	384	312	276	19,962
Crude rate of ER visits (per 100,000)	303	365	281	322	284	418
Median age of ER patients	63	59	65	62	63	64
Total cost of ER visits (\$)	6,588,900	1,742,700	4,658,500	3,775,800	2,813,100	168,582,900
Number of deaths	264	73	188	140	124	9,604
Age-Adjusted Death rate (per 100,000)	161.9	182.7	160.5	190.0	138.6	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.8	NA	NA	NA	NA	3.8
Number of hospitalizations	412	122	273	180	232	14,943
Crude rate of hospitalizations (per 100,000)	212	243	200	186	239	313
Median age of hospitalized patients	66	64	68	66	67	69
Total cost of hospitalization (\$)	18,747,800	5,988,600	11,756,700	8,259,400	10,488,400	690,018,200
Average length of hospital stay (days)	4	5	3	3	4	5
Number of ER visits	156	47	102	62	94	5,283
Crude rate of ER visits (per 100,000)	80	94	75	64	97	111
Median age of ER patients	64	59	65	63	64	66
Total cost of ER visits (\$)	2,011,400	624,800	1,309,700	810,600	1,200,800	53,018,800
Number of deaths	72	26	45	36	36	2,488
Age-Adjusted Death rate (per 100,000)	44.8	62.9	40.9	49.4	40.9	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	534	114	390	224	310	15,659
Crude rate of hospitalizations (per 100,000)	275	227	285	231	320	328
Median age of hospitalized patients	66	59	68	63	67	63
Total cost of hospitalization (\$)	18,701,500	3,024,900	14,878,200	6,965,200	11,736,300	439,323,600
Average length of hospital stay (days)	4	4	4	4	4	4
Number of ER visits	1,291	590	647	593	698	49,050
Crude rate of ER visits (per 100,000)	665	1,176	474	611	719	1,027
Median age of ER patients	39	27	48	31	42	40
Total cost of ER visits (\$)	4,519,100	1,667,600	2,661,700	1,975,900	2,543,200	134,527,100
Number of deaths	84	4	80	36	48	2,751
Age-Adjusted Death rate (per 100,000)	49.9	10.8	65.0	48.0	51.6	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	14.0	NA	NA	NA	NA	12.5
Number of hospitalizations	295	154	129	146	149	9,764
Crude rate of hospitalizations (per 100,000)	152	307	94	151	154	204
Median age of hospitalized patients	47	47	48	41	50	51
Total cost of hospitalization (\$)	9,509,700	4,992,400	4,222,900	4,306,500	5,203,200	321,377,000
Average length of hospital stay (days)	4	4	4	3	4	5
Number of ER visits	348	194	139	163	185	13,909
Crude rate of ER visits (per 100,000)	179	387	102	168	191	291
Median age of ER patients	50	52	49	50	51	52
Total cost of ER visits (\$)	1,523,000	891,600	567,500	718,900	804,100	46,056,100
Number of deaths	36	9	27	21	15	1,239
Age-Adjusted Death rate (per 100,000)	19.3	19.8	19.9	22.5	15.7	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	463	116	330	223	240	14,136
Crude rate of hospitalizations (per 100,000)	239	231	242	230	247	296
Median age of hospitalized patients	63	62	63	64	62	64
Total cost of hospitalization (\$)	35,679,300	8,571,600	24,861,400	19,283,900	16,395,400	963,427,600
Average length of hospital stay (days)	6	7	6	7	6	7
Number of deaths	298	78	213	169	129	9,700
Age-Adjusted Death rate (per 100,000)	166.7	190.3	161.3	202.0	135.2	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	66	19	44	31	35	1,796
Crude rate of hospitalizations (per 100,000)	34	38	32	32	36	38
Median age of hospitalized patients	64	61	65	62	68	65
Total cost of hospitalization (\$)	5,094,500	1,156,500	3,383,200	2,664,800	2,429,700	140,452,900
Average length of hospital stay (days)	6	6	6	7	6	8
Number of deaths	22	7	14	11	11	821
Age-Adjusted Death rate (per 100,000)	12.2	18.9	9.9	11.0	12.0	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	27	3	21	0	27	923
Crude rate of hospitalizations (per 100,000)	28	11	31	0	28	38
Median age of hospitalized patients	56	51	58	0	56	59
Total cost of hospitalization (\$)	1,952,100	117,400	1,507,000	0	1,952,100	50,631,800
Average length of hospital stay (days)	3	2	3	0	3	3
Number of deaths	17	6	11	0	17	633
Age-Adjusted Death rate (per 100,000)	16.2	25.9	13.7	0	16.2	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	4	1	3	0	4	142
Crude rate of hospitalizations (per 100,000)	4	4	4	0	4	6
Median age of hospitalized patients	64	85	64	0	64	55
Total cost of hospitalization (\$)	136,600	19,700	116,900	0	136,600	6,269,800
Average length of hospital stay (days)	3	3	2	0	3	4
Number of deaths	4	3	1	0	4	74
Age-Adjusted Death rate (per 100,000)	4.8	13.6	1.9	0	4.8	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	81	8	71	43	38	2,041
Crude rate of hospitalizations (per 100,000)	42	16	52	44	39	43
Median age of hospitalized patients	68	64	69	72	65	67
Total cost of hospitalization (\$)	7,619,600	402,900	7,099,600	4,382,000	3,237,600	145,739,900
Average length of hospital stay (days)	7	5	7	7	6	7
Number of deaths	109	14	92	65	44	2,825
Age-Adjusted Death rate (per 100,000)	61.0	35.0	69.3	84.8	44.9	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	38	14	24	38	0	970
Crude rate of hospitalizations (per 100,000)	39	58	35	39	0	42
Median age of hospitalized patients	62	59	63	62	0	63
Total cost of hospitalization (\$)	1,848,200	595,100	1,253,100	1,848,200	0	46,328,200
Average length of hospital stay (days)	2	2	2	2	0	3
Number of deaths	12	5	6	12	0	457
Age-Adjusted Death rate (per 100,000)	15.7	33.6	9.1	15.7	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  
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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/>

