

# COORDINATED CHRONIC DISEASE FACT SHEET NEWBERRY

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

The distribution of Newberry county's population is similar to the state population. The largest portion (33%) of the population in Newberry county are between the ages of 18-44, Newberry's elderly population (18%) is slightly higher than the state's. There are more females (51%) than males (49%), and the minority population in Newberry county is higher than the state's.

	NEWBERRY COUNTY	STATE
<b>Population size</b>	37,520	4,774,840
<b>Age distribution (%)</b>		
<18	22.4	22.8
18-44	32.5	35.4
45-64	27.6	26.6
65-84	15.2	13.6
85+	2.3	1.6
<b>Race (%)</b>		
White	66.2	69.2
Black	31.9	28.5
<b>Sex (%)</b>		
Male	49.0	48.7
Female	51.1	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	44	32	9	25	19	5,334
Crude rate of hospitalizations (per 100,000)	117	267	36	136	99	112
Median age of hospitalized patients	54	54	65	54	62	59
Total cost of hospitalization (\$)	2,677,200	2,272,100	309,100	1,249,000	1,428,200	200,069,800
Average length of hospital stay (days)	9	10	5	8	10	5
Number of ER visits	169	105	60	69	100	15,651
Crude rate of ER visits (per 100,000)	450	876	241	376	522	328
Median age of ER patients	51	48	66	52	51	54
Total cost of ER visits (\$)	377,500	203,400	164,500	164,400	213,100	49,710,700
Number of deaths	3	1	2	2	1	418
Age-Adjusted Death rate (per 100,000)	6.3	7.9	4.6	11.8	2.6	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.9	NA	NA	NA	NA	4.9
Number of hospitalizations	523	165	349	313	210	50,827
Crude rate of hospitalizations (per 100,000)	1,394	1,377	1,404	1,704	1,096	1,064
Median age of hospitalized patients	68	59	70	65	70	68
Total cost of hospitalization (\$)	28,166,300	8,013,300	19,724,300	18,705,600	9,460,700	3,099,389,600
Average length of hospital stay (days)	5	5	5	5	5	5
Number of ER visits	372	177	193	185	187	19,962
Crude rate of ER visits (per 100,000)	991	1,477	777	1,007	976	418
Median age of ER patients	61	56	70	59	67	64
Total cost of ER visits (\$)	2,062,600	972,000	1,064,000	1,016,400	1,046,200	168,582,900
Number of deaths	84	26	58	47	37	9,604
Age-Adjusted Death rate (per 100,000)	170.1	225.0	154.5	229.3	126.6	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.7	NA	NA	NA	NA	3.8
Number of hospitalizations	139	46	88	75	64	14,943
Crude rate of hospitalizations (per 100,000)	370	384	354	408	334	313
Median age of hospitalized patients	70	60	74	69	72	69
Total cost of hospitalization (\$)	7,660,800	3,163,300	4,137,200	4,587,800	3,073,000	690,018,200
Average length of hospital stay (days)	6	7	6	7	6	5
Number of ER visits	69	20	49	32	37	5,283
Crude rate of ER visits (per 100,000)	184	167	197	174	193	111
Median age of ER patients	71	66	72	69	73	66
Total cost of ER visits (\$)	579,500	121,700	457,800	279,100	300,400	53,018,800
Number of deaths	19	6	13	8	11	2,488
Age-Adjusted Death rate (per 100,000)	38.8	56.8	34.3	35.1	37.8	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	164	39	119	79	85	15,659
Crude rate of hospitalizations (per 100,000)	437	326	479	430	444	328
Median age of hospitalized patients	62	44	66	62	61	63
Total cost of hospitalization (\$)	3,518,900	643,200	2,832,200	1,878,800	1,640,100	439,323,600
Average length of hospital stay (days)	4	3	4	4	4	4
Number of ER visits	961	528	381	393	568	49,050
Crude rate of ER visits (per 100,000)	2,561	4,407	1,533	2,139	2,965	1,027
Median age of ER patients	34	30	44	27	38	40
Total cost of ER visits (\$)	2,179,400	1,059,100	1,028,900	939,400	1,240,000	134,527,100
Number of deaths	27	2	25	12	15	2,751
Age-Adjusted Death rate (per 100,000)	54.9	19.2	66.3	58.2	55.6	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	NA	NA	NA	NA	12.5
Number of hospitalizations	95	50	40	52	43	9,764
Crude rate of hospitalizations (per 100,000)	253	417	161	283	224	204
Median age of hospitalized patients	53	54	53	56	49	51
Total cost of hospitalization (\$)	2,348,600	1,185,500	919,700	1,173,800	1,174,800	321,377,000
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	172	110	53	83	89	13,909
Crude rate of ER visits (per 100,000)	458	918	213	452	465	291
Median age of ER patients	51	51	49	51	51	52
Total cost of ER visits (\$)	516,000	341,200	149,900	241,000	275,000	46,056,100
Number of deaths	15	6	9	9	6	1,239
Age-Adjusted Death rate (per 100,000)	31.9	64.3	25.2	46.0	19.4	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	113	43	69	58	55	14,136
Crude rate of hospitalizations (per 100,000)	301	359	278	316	287	296
Median age of hospitalized patients	64	62	66	64	66	64
Total cost of hospitalization (\$)	6,871,900	3,110,100	3,747,100	3,658,000	3,213,900	963,427,600
Average length of hospital stay (days)	8	11	7	8	9	7
Number of deaths	86	31	55	50	36	9,700
Age-Adjusted Death rate (per 100,000)	174.1	263.6	141.6	220.7	142.2	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	17	9	8	13	4	1,796
Crude rate of hospitalizations (per 100,000)	45	75	32	71	21	38
Median age of hospitalized patients	63	62	64	63	62	65
Total cost of hospitalization (\$)	1,130,500	629,700	500,800	892,300	238,200	140,452,900
Average length of hospital stay (days)	9	10	8	9	11	8
Number of deaths	8	5	3	5	3	821
Age-Adjusted Death rate (per 100,000)	14.4	34.5	6.8	17.4	11.6	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	10	1	9	0	10	923
Crude rate of hospitalizations (per 100,000)	52	16	71	0	52	38
Median age of hospitalized patients	70	53	72	0	70	59
Total cost of hospitalization (\$)	443,000	78,900	364,100	0	443,000	50,631,800
Average length of hospital stay (days)	3	10	2	0	3	3
Number of deaths	7	2	5	0	7	633
Age-Adjusted Death rate (per 100,000)	30.4	30.2	27.7	0	30.4	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	0	0	1	142
Crude rate of hospitalizations (per 100,000)	5	16	0	0	5	6
Median age of hospitalized patients	36	36	0	0	36	55
Total cost of hospitalization (\$)	224,500	224,500	0	0	224,500	6,269,800
Average length of hospital stay (days)	31	31	0	0	31	4
Number of deaths	1	1	0	0	1	74
Age-Adjusted Death rate (per 100,000)	7.4	22.4	0.0	0	7.4	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	6	7	10	4	2,041
Crude rate of hospitalizations (per 100,000)	37	50	28	54	21	43
Median age of hospitalized patients	71	56	74	71	71	67
Total cost of hospitalization (\$)	1,073,600	542,200	516,700	838,100	235,500	145,739,900
Average length of hospital stay (days)	9	10	9	10	7	7
Number of deaths	21	7	14	13	8	2,825
Age-Adjusted Death rate (per 100,000)	41.5	61.4	34.0	57.9	28.7	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	1	8	9	0	970
Crude rate of hospitalizations (per 100,000)	49	17	66	49	0	42
Median age of hospitalized patients	60	45	62	60	0	63
Total cost of hospitalization (\$)	460,900	35,000	425,900	460,900	0	46,328,200
Average length of hospital stay (days)	2	1	2	2	0	3
Number of deaths	3	3	0	3	0	457
Age-Adjusted Death rate (per 100,000)	16.4	94.1	0.0	16.4	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  
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/>

