

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

The distribution of Horry county's population is similar to the state population. The largest portion (33%) of the population in Horry county are between the ages of 18-44, and there are more females (51%) than males (49%). Horry county has a lower minority population (14%) than the state (29%). Horry county's population aged 65 and older (20%) is higher than the state's.

	HORRY COUNTY	STATE
<b>Population size</b>	289,650	#REF!
<b>Age distribution (%)</b>		
<18	19.6	22.8
18-44	32.9	35.4
45-64	27.9	26.6
65-84	17.9	13.6
85+	1.7	1.6
<b>Race (%)</b>		
White	83.5	69.2
Black	14.3	28.5
<b>Sex (%)</b>		
Male	48.6	48.7
Female	51.4	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 (%)	22.42	20.89	22.85	26.76	18.84	22.00
Sedentary lifestyle (%)	33.80	35.53	32.69	29.14	37.63	26.87
Overweight or Obese (%)	67.62	76.48	63.74	71.47	64.31	66.47
High Cholesterol (%)	49.90	47.92	50.25	51.87	48.42	42.58
Median daily servings of fruits	0.98	0.96	0.97	0.72	0.99	0.99
Median daily servings of vegetables	1.41	1.07	1.57	1.37	1.42	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 (%)*	47.1	NA	NA	NA	NA	38.4
Number of hospitalizations	374	148	218	171	203	5,334
Crude rate of hospitalizations (per 100,000)	129	357	90	121	136	112
Median age of hospitalized patients	64	55	69	63	65	64
Total cost of hospitalization (\$)	13,607,300	6,270,200	7,186,200	6,060,700	7,546,600	200,069,800
Average length of hospital stay (days)	5	6	4	4	6	5
Number of ER visits	1,109	373	714	468	641	15,651
Crude rate of ER visits (per 100,000)	383	900	295	332	431	328
Median age of ER patients	57	51	62	56	58	54
Total cost of ER visits (\$)	3,557,100	1,051,300	2,406,200	1,474,400	2,082,700	49,710,700
Number of deaths	29	7	22	16	13	418
Age-Adjusted Death rate (per 100,000)	7.8	26.5	6.5	8.3	6.6	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	6.4	NA	NA	NA	NA	4.9
Number of hospitalizations	3,832	522	3,254	2,299	1,533	50,827
Crude rate of hospitalizations (per 100,000)	1,323	1,259	1,345	1,633	1,030	1,064
Median age of hospitalized patients	69	60	70	68	72	68
Total cost of hospitalization (\$)	259,906,500	27,152,000	227,577,800	174,423,500	85,483,000	3,099,389,600
Average length of hospital stay (days)	4	5	4	4	4	5
Number of ER visits	1,379	250	1,108	823	556	19,962
Crude rate of ER visits (per 100,000)	476	603	458	585	374	418
Median age of ER patients	64	56	66	63	66	64
Total cost of ER visits (\$)	12,671,700	2,032,200	10,458,300	7,813,000	4,858,700	168,582,900
Number of deaths	706	72	632	417	289	9,604
Age-Adjusted Death rate (per 100,000)	193.9	233.6	193.2	252.9	142.5	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.6	NA	NA	NA	NA	3.8
Number of hospitalizations	1,043	168	863	543	500	14,943
Crude rate of hospitalizations (per 100,000)	360	405	357	386	336	313
Median age of hospitalized patients	70	62	72	69	72	69
Total cost of hospitalization (\$)	41,730,800	8,342,400	32,598,900	22,262,000	19,468,800	690,018,200
Average length of hospital stay (days)	4	6	4	5	4	5
Number of ER visits	416	65	347	204	212	5,283
Crude rate of ER visits (per 100,000)	144	157	143	145	142	111
Median age of ER patients	67	66	67	66	69	66
Total cost of ER visits (\$)	4,182,100	677,200	3,460,900	2,061,800	2,120,300	53,018,800
Number of deaths	167	22	144	72	95	2,488
Age-Adjusted Death rate (per 100,000)	46.8	71.7	43.8	45.6	46.9	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1,096	142	937	494	602	15,659
Crude rate of hospitalizations (per 100,000)	378	342	387	351	404	328
Median age of hospitalized patients	65	53	67	66	65	63
Total cost of hospitalization (\$)	27,142,600	3,008,500	23,937,700	12,198,700	14,943,900	439,323,600
Average length of hospital stay (days)	4	3	4	4	4	4
Number of ER visits	3,447	935	2,338	1,490	1,957	49,050
Crude rate of ER visits (per 100,000)	1,190	2,255	967	1,058	1,315	1,027
Median age of ER patients	42	25	47	34	44	40
Total cost of ER visits (\$)	9,224,400	2,197,400	6,687,600	3,894,500	5,329,900	134,527,100
Number of deaths	203	7	195	93	110	2,751
Age-Adjusted Death rate (per 100,000)	53.9	27.8	56.5	55.8	52.5	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	16.4	NA	NA	NA	NA	12.5
Number of hospitalizations	527	128	385	277	250	9,764
Crude rate of hospitalizations (per 100,000)	182	309	159	197	168	204
Median age of hospitalized patients	52	50	53	53	51	51
Total cost of hospitalization (\$)	16,025,500	4,045,500	11,702,600	9,193,100	6,832,400	321,377,000
Average length of hospital stay (days)	4	5	4	5	4	5
Number of ER visits	641	229	391	289	352	13,909
Crude rate of ER visits (per 100,000)	221	552	162	205	236	291
Median age of ER patients	51	48	52	50	51	52
Total cost of ER visits (\$)	2,132,700	752,100	1,315,000	905,400	1,227,300	46,056,100
Number of deaths	47	10	35	24	23	1,239
Age-Adjusted Death rate (per 100,000)	12.3	27.4	10.4	13.1	11.8	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	905	101	786	421	484	14,136
Crude rate of hospitalizations (per 100,000)	312	244	325	299	325	296
Median age of hospitalized patients	65	62	66	66	65	64
Total cost of hospitalization (\$)	59,410,800	5,531,900	52,081,700	29,498,700	29,912,100	963,427,600
Average length of hospital stay (days)	6	6	6	7	5	7
Number of deaths	617	55	559	353	264	9,700
Age-Adjusted Death rate (per 100,000)	155.5	171.5	154.8	194.4	124.5	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	136	17	115	77	59	1,796
Crude rate of hospitalizations (per 100,000)	47	41	48	55	40	38
Median age of hospitalized patients	70	68	71	69	73	65
Total cost of hospitalization (\$)	11,258,900	1,134,200	9,730,900	6,713,200	4,545,700	140,452,900
Average length of hospital stay (days)	8	8	8	8	7	8
Number of deaths	49	9	40	28	21	821
Age-Adjusted Death rate (per 100,000)	13.0	28.0	11.5	15.9	10.7	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	50	5	44	0	50	923
Crude rate of hospitalizations (per 100,000)	34	23	36	0	34	38
Median age of hospitalized patients	62	54	62	0	62	59
Total cost of hospitalization (\$)	2,055,100	192,800	1,857,100	0	2,055,100	50,631,800
Average length of hospital stay (days)	2	2	2	0	2	3
Number of deaths	38	5	33	0	38	633
Age-Adjusted Death rate (per 100,000)	18.4	23.8	17.6	0	18.4	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	17	1	14	0	17	142
Crude rate of hospitalizations (per 100,000)	11	5	11	0	11	6
Median age of hospitalized patients	54	43	57	0	54	55
Total cost of hospitalization (\$)	666,200	19,200	586,100	0	666,200	6,269,800
Average length of hospital stay (days)	4	3	4	0	4	4
Number of deaths	4	2	2	0	4	74
Age-Adjusted Death rate (per 100,000)	2.3	10.7	0.8	0	2.3	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	132	9	120	71	61	2,041
Crude rate of hospitalizations (per 100,000)	46	22	50	50	41	43
Median age of hospitalized patients	67	57	68	67	67	67
Total cost of hospitalization (\$)	9,531,300	429,100	8,655,000	4,710,700	4,820,600	145,739,900
Average length of hospital stay (days)	6	3	6	6	6	7
Number of deaths	218	17	199	129	89	2,825
Age-Adjusted Death rate (per 100,000)	52.9	45.1	53.4	69.7	38.6	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	23	4	19	23	0	970
Crude rate of hospitalizations (per 100,000)	16	20	16	16	0	42
Median age of hospitalized patients	62	65	62	62	0	63
Total cost of hospitalization (\$)	1,255,400	225,800	1,029,600	1,255,400	0	46,328,200
Average length of hospital stay (days)	3	3	3	3	0	3
Number of deaths	20	4	16	20	0	457
Age-Adjusted Death rate (per 100,000)	12.6	46.0	10.7	12.6	0	21.2

\*DHEC Health Region Pee Dee: Chesterfield, Clarendon, Darlington, Dillon, Florence, Georgetown, Horry, Lee, Marion, Marlboro, Sumter, Williamsburg.

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/>

