

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

The largest portion (32%) of the population in Williamsburg county are between the ages of 18-44, and there are more females (51%) than males (49%). Williamsburg county has a higher minority population (66%) than the state's (29%).

	WILLIAMSBURG COUNTY	STATE
Population size	33,070	4,774,840
Age distribution (%)		
<18	21.9	22.8
18-44	32.4	35.4
45-64	15.1	26.6
65-84	1.9	13.6
85+	1.9	1.6
Race (%)		
White	33.2	69.2
Black	66.0	28.5
Sex (%)		
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	96	86	10	39	57	5,334
Crude rate of hospitalizations (per 100,000)	290	394	91	243	335	112
Median age of hospitalized patients	64	62	77	63	65	59
Total cost of hospitalization (\$)	3,494,500	2,956,800	537,700	1,384,500	2,110,000	200,069,800
Average length of hospital stay (days)	5	4	6	4	5	5
Number of ER visits	280	244	32	148	132	15,651
Crude rate of ER visits (per 100,000)	847	1,118	292	920	777	328
Median age of ER patients	54	49	64	55	53	54
Total cost of ER visits (\$)	674,300	577,700	92,300	313,700	360,600	49,710,700
Number of deaths	6	5	1	5	1	418
Age-Adjusted Death rate (per 100,000)	16.2	22.8	6.2	33.9	3.6	7.9

HEART DISEASE	County					State
	9	Blacks	Whites	Males	Females	Total
Prevalence (%)*	6.4	NA	NA	NA	NA	4.9
Number of hospitalizations	526	369	155	253	273	50,827
Crude rate of hospitalizations (per 100,000)	1,591	1,690	1,413	1,573	1,607	1,064
Median age of hospitalized patients	68	67	72	66	71	68
Total cost of hospitalization (\$)	30,107,100	20,609,000	9,044,000	15,109,000	14,998,100	3,099,389,600
Average length of hospital stay (days)	5	5	4	5	6	5
Number of ER visits	335	247	86	172	163	19,962
Crude rate of ER visits (per 100,000)	1,013	1,131	784	1,070	959	418
Median age of ER patients	67	66	70	66	69	64
Total cost of ER visits (\$)	1,440,800	1,028,200	406,800	803,700	637,100	168,582,900
Number of deaths	93	60	33	48	45	9,604
Age-Adjusted Death rate (per 100,000)	226.8	241.7	209.4	302.6	182.4	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.6	NA	NA	NA	NA	3.8
Number of hospitalizations	152	102	50	72	80	14,943
Crude rate of hospitalizations (per 100,000)	460	467	456	448	471	313
Median age of hospitalized patients	69	66	69	65	71	69
Total cost of hospitalization (\$)	6,370,700	4,535,600	1,835,100	2,815,100	3,555,600	690,018,200
Average length of hospital stay (days)	5	6	4	6	5	5
Number of ER visits	90	71	19	37	53	5,283
Crude rate of ER visits (per 100,000)	272	325	173	230	312	111
Median age of ER patients	65	65	78	66	65	66
Total cost of ER visits (\$)	557,800	440,800	117,000	272,600	285,200	53,018,800
Number of deaths	24	13	11	16	8	2,488
Age-Adjusted Death rate (per 100,000)	55.0	47.0	66.5	92.1	34.2	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	135	67	68	60	75	15,659
Crude rate of hospitalizations (per 100,000)	408	307	620	373	441	328
Median age of hospitalized patients	60	55	64	62	60	63
Total cost of hospitalization (\$)	3,040,600	1,518,500	1,522,100	1,395,400	1,645,200	439,323,600
Average length of hospital stay (days)	4	4	4	4	4	4
Number of ER visits	851	685	159	393	458	49,050
Crude rate of ER visits (per 100,000)	2,573	3,138	1,449	2,444	2,696	1,027
Median age of ER patients	34	32	45	33	35	40
Total cost of ER visits (\$)	1,297,900	1,010,800	278,900	540,500	757,400	134,527,100
Number of deaths	21	8	13	11	10	2,751
Age-Adjusted Death rate (per 100,000)	46.8	31.7	71.3	61.7	36.5	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	16.4	NA	NA	NA	NA	12.5
Number of hospitalizations	138	115	22	61	77	9,764
Crude rate of hospitalizations (per 100,000)	417	527	201	379	453	204
Median age of hospitalized patients	56	53	63	54	56	51
Total cost of hospitalization (\$)	4,402,500	3,806,400	562,600	1,805,200	2,597,300	321,377,000
Average length of hospital stay (days)	6	6	4	5	6	5
Number of ER visits	216	190	24	90	126	13,909
Crude rate of ER visits (per 100,000)	653	870	219	560	742	291
Median age of ER patients	56	55	63	48	58	52
Total cost of ER visits (\$)	453,200	379,700	71,600	209,100	244,100	46,056,100
Number of deaths	16	11	5	11	5	1,239
Age-Adjusted Death rate (per 100,000)	34.7	40.5	28.0	49.6	20.0	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	159	95	62	76	83	14,136
Crude rate of hospitalizations (per 100,000)	481	435	565	473	489	296
Median age of hospitalized patients	65	63	69	67	63	64
Total cost of hospitalization (\$)	11,064,300	6,675,000	4,324,400	5,511,100	5,553,200	963,427,600
Average length of hospital stay (days)	7	7	7	7	7	7
Number of deaths	93	53	40	54	39	9,700
Age-Adjusted Death rate (per 100,000)	214.3	194.0	250.9	303.1	174.6	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	15	8	6	6	9	1,796
Crude rate of hospitalizations (per 100,000)	45	37	55	37	53	38
Median age of hospitalized patients	66	57	67	64	66	65
Total cost of hospitalization (\$)	1,517,800	926,400	559,500	408,000	1,109,800	140,452,900
Average length of hospital stay (days)	8	8	7	8	8	8
Number of deaths	2	1	1	1	1	821
Age-Adjusted Death rate (per 100,000)	5.0	4.7	4.7	4.3	5.9	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	9	5	0	14	923
Crude rate of hospitalizations (per 100,000)	82	78	93	0	82	38
Median age of hospitalized patients	56	55	61	0	56	59
Total cost of hospitalization (\$)	632,000	422,900	209,100	0	632,000	50,631,800
Average length of hospital stay (days)	4	3	6	0	4	3
Number of deaths	10	6	4	0	10	633
Age-Adjusted Death rate (per 100,000)	44.9	39.8	56.4	0	44.9	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)	6	9	0	0	6	6
Median age of hospitalized patients	60	60	0	0	60	55
Total cost of hospitalization (\$)	98600	98600	0	0	98600	6,269,800
Average length of hospital stay (days)	14	14	0	0	14	4
Number of deaths	0	0	0	0	0	74
Age-Adjusted Death rate (per 100,000)	0.0	0.0	0	0	0.0	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	23	13	10	14	9	2,041
Crude rate of hospitalizations (per 100,000)	70	60	91	87	53	43
Median age of hospitalized patients	66	63	67	67	63	67
Total cost of hospitalization (\$)	1,391,200	873,500	517,700	793,100	598,100	145,739,900
Average length of hospital stay (days)	7	8	6	7	8	7
Number of deaths	25	11	14	17	8	2,825
Age-Adjusted Death rate (per 100,000)	52.8	35.8	73.5	86.2	30.4	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	9	4	13	0	970
Crude rate of hospitalizations (per 100,000)	81	87	71.7	81	0	42
Median age of hospitalized patients	78	68	83	78	0	63
Total cost of hospitalization (\$)	521,300	375,200	146,100	521,300	0	46,328,200
Average length of hospital stay (days)	4	3	7.25	4	0	3
Number of deaths	9	8	1	9	0	457
Age-Adjusted Death rate (per 100,000)	59.0	90.8	16.2	59.0	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
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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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