

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

The largest portion (33%) of the population are between the ages of 18-44. Dillon county has more people under the age of 18 (26%) than the state (23%), and there are more females (53%) than males (47%). Dillon county has a higher minority population (47%) than the state (29%).

	DILLON COUNTY	STATE
<b>Population size</b>	31,230	4,774,840
<b>Age distribution (%)</b>		
<18	26	23
18-44	33	35
45-64	27	27
65-84	13	14
85+	2	2
<b>Race (%)</b>		
White	49	69
Black	47	29
<b>Sex (%)</b>		
Male	47	49
Female	53	51

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	61	47	14	37	24	5,334
Standard rate of hospitalizations (per 100,000)	195	318	91	251	146	112
Median age of hospitalized patients	63	61	68	63	67	59
Total cost of hospitalization (\$)	2,006,600	1,548,200	458,400	1,063,500	943,100	200,069,800
Average length of hospital stay (days)	4	4	5	4	4	5
Number of ER visits	188	142	39	92	96	15,651
Standard rate of ER visits (per 100,000)	602	959	253	623	583	328
Median age of ER patients	55	53	60	53	58	54
Total cost of ER visits (\$)	605,900	423,300	145,900	307,600	298,300	49,710,700
Number of deaths	1	1	0	1	0	418
Standard death rate (per 100,000)	2.9	8.0	0.0	9.8	0.0	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	6.4	NA	NA	NA	NA	4.9
Number of hospitalizations	560	232	308	277	283	50,827
Crude rate of hospitalizations (per 100,000)	1,793	1,568	1,996	1,877	1,718	1,064
Median age of hospitalized patients	67	64	70	65	70	68
Total cost of hospitalization (\$)	27,491,700	10,775,700	15,988,700	15,651,700	11,840,000	3,099,389,600
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	227	126	92	116	111	19,962
Crude rate of ER visits (per 100,000)	727	851	596	786	674	418
Median age of ER patients	61	59	65	58	63	64
Total cost of ER visits (\$)	1,710,600	856,100	787,500	905,400	805,200	168,582,900
Number of deaths	90	38	52	37	53	9,604
Age-Adjusted Death rate (per 100,000)	264.5	304.2	244.1	265.1	256.1	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.6	NA	NA	NA	NA	3.8
Number of hospitalizations	170	75	94	67	103	14,943
Crude rate of hospitalizations (per 100,000)	544	507	609	454	625	313
Median age of hospitalized patients	66	61	70	62	71	69
Total cost of hospitalization (\$)	7,204,300	3,019,300	4,137,900	3,061,500	4,142,800	690,018,200
Average length of hospital stay (days)	4	5	4	5	4	5
Number of ER visits	82	38	42	36	46	5,283
Crude rate of ER visits (per 100,000)	263	257	272	244	279	111
Median age of ER patients	61	58	66	61	64	66
Total cost of ER visits (\$)	1,201,200	506,600	656,700	452,200	749,000	53,018,800
Number of deaths	16	7	9	4	12	2,488
Age-Adjusted Death rate (per 100,000)	45.6	58.2	38.8	35.2	54.8	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	236	93	133	85	151	15,659
Crude rate of hospitalizations (per 100,000)	756	628	862	576	917	328
Median age of hospitalized patients	58	50	63	58	59	63
Total cost of hospitalization (\$)	5,187,600	1,851,300	3,181,900	1,758,100	3,429,500	439,323,600
Average length of hospital stay (days)	3	3	3	3	3	4
Number of ER visits	887	564	273	378	509	49,050
Crude rate of ER visits (per 100,000)	2,840	3,811	1,769	2,561	3,090	1,027
Median age of ER patients	32	27	43	30	34	40
Total cost of ER visits (\$)	2,468,500	1,454,700	848,500	1,039,500	1,429,000	134,527,100
Number of deaths	17	3	14	11	6	2,751
Age-Adjusted Death rate (per 100,000)	48.4	22.2	61.9	69.7	29.5	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	16.4	NA	NA	NA	NA	12.5
Number of hospitalizations	90	44	40	49	41	9,764
Crude rate of hospitalizations (per 100,000)	288	297	259	332	249	204
Median age of hospitalized patients	55	59	46	52	56	51
Total cost of hospitalization (\$)	2,413,100	1,136,900	1,089,600	1,270,700	1,142,400	321,377,000
Average length of hospital stay (days)	4	4	3	3	4	5
Number of ER visits	204	109	75	98	106	13,909
Crude rate of ER visits (per 100,000)	653	736	486	664	644	291
Median age of ER patients	55	53	61	48	61	52
Total cost of ER visits (\$)	602,200	317,500	236,100	263,000	339,200	46,056,100
Number of deaths	13	4	9	5	8	1,239
Age-Adjusted Death rate (per 100,000)	32.7	23.9	37.6	28.8	34.8	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	139	57	78	71	68	14,136
Crude rate of hospitalizations (per 100,000)	445	385	506	481	413	296
Median age of hospitalized patients	61	57	65	61	61	64
Total cost of hospitalization (\$)	9,352,000	3,575,200	5,573,200	5,305,000	4,047,000	963,427,600
Average length of hospital stay (days)	8	8	7	8	7	7
Number of deaths	83	42	39	45	38	9,700
Age-Adjusted Death rate (per 100,000)	219.5	292.2	164.4	286.7	177.7	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	13	3	10	8	5	1,796
Crude rate of hospitalizations (per 100,000)	42	20	65	54	30	38
Median age of hospitalized patients	66	60	85	86	56	65
Total cost of hospitalization (\$)	848,300	225,900	622,400	435,800	412,500	140,452,900
Average length of hospital stay (days)	8	13	6	6	11	8
Number of deaths	5	2	3	3	2	821
Age-Adjusted Death rate (per 100,000)	15.1	15.0	14.9	25.4	10.3	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	5	3	2	0	5	923
Crude rate of hospitalizations (per 100,000)	30	38	25	0	30	38
Median age of hospitalized patients	71	71	78	0	71	59
Total cost of hospitalization (\$)	384,400	350,800	33,600	0	384,400	50,631,800
Average length of hospital stay (days)	9	11	8	0	9	3
Number of deaths	5	3	1	0	5	633
Age-Adjusted Death rate (per 100,000)	26.0	34.9	8.8	0	26.0	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	3	3	0	0	3	142
Crude rate of hospitalizations (per 100,000)	18	37.6	0	0	18	6
Median age of hospitalized patients	35	35	0	0	35	55
Total cost of hospitalization (\$)	144,700	144,700	0	0	144,700	6,269,800
Average length of hospital stay (days)	4	4.33	0	0	4	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	24	4	19	14	10	2,041
Crude rate of hospitalizations (per 100,000)	77	27	123	95	61	43
Median age of hospitalized patients	67	72	67	64	73	67
Total cost of hospitalization (\$)	2,143,700	258,700	1,840,600	1,368,500	775,200	145,739,900
Average length of hospital stay (days)	9	9	8	9	8	7
Number of deaths	26	9	16	14	12	2,825
Age-Adjusted Death rate (per 100,000)	66.8	59.4	65.3	79.8	57.4	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	5	2	2	5	0	970
Crude rate of hospitalizations (per 100,000)	34	29	27	34	0	42
Median age of hospitalized patients	58	50	74	58	0	63
Total cost of hospitalization (\$)	254,800	135,800	78,700	254,800	0	46,328,200
Average length of hospital stay (days)	4	7	3	4	0	3
Number of deaths	5	5	0	5	0	457
Age-Adjusted Death rate (per 100,000)	38.4	141.0	0.0	38.4	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:**  
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2100 Bull St  
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**Hospital discharge and ER visits, contact:**  
Revenue and Fiscal Affairs Office  
Health and Demographics  
1919 Blanding Street  
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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>

Citation Format:  
State of South Carolina, Department of Health and  
Environmental Control, Bureau of Community Health and  
Chronic Disease Prevention, County Chronic Disease Fact Sheet  
November 2014

<http://www.scdhec.gov/Health/SCPublicHealthStatisticsMaps/County-SpecificEpidemiologicalData/>

