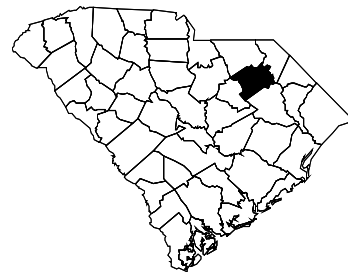


COORDINATED CHRONIC DISEASE FACT SHEET DARLINGTON County, 2013



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

The distribution of Darlington county’s population is similar to the state population. The largest portion (33%) of the population in Darlington county are between the ages of 18-44, and there are more females (53%) than males (47%). However, Darlington county has a higher minority population (42%) than the state (29%).

	DARLINGTON COUNTY	STATE
Population size	67,940	4,774,840
Age distribution (%)		
<18	23.2	22.8
18-44	32.5	35.4
45-64	28.3	26.6
65-84	14.2	13.6
85+	1.8	1.6
Race (%)		
White	57.2	69.2
Black	41.8	28.5
Sex (%)		
Male	47.3	48.7
Female	52.7	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 Carolinian’s. 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	137	86	49	61	76	5,334
Crude rate of hospitalizations (per 100,000)	202	303	126	190	212	112
Median age of hospitalized patients	63	59	72	63	64	59
Total cost of hospitalization (\$)	5,071,900	2,938,700	2,035,100	2,809,200	2,262,700	200,069,800
Average length of hospital stay (days)	4	4	5	5	4	5
Number of ER visits	210	128	80	78	132	15,651
Crude rate of ER visits (per 100,000)	309	451	206	243	368	328
Median age of ER patients	54	51	64	54	54	54
Total cost of ER visits (\$)	653,900	436,500	212,900	211,100	442,800	49,710,700
Number of deaths	4	3	1	2	2	418
Age-Adjusted Death rate (per 100,000)	4.9	12.9	1.5	5.7	4.3	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	6.4	NA	NA	NA	NA	4.9
Number of hospitalizations	1,163	404	723	611	552	50,827
Crude rate of hospitalizations (per 100,000)	1,712	1,422	1,861	1,903	1,541	1,064
Median age of hospitalized patients	67	64	68	65	68	68
Total cost of hospitalization (\$)	68,568,100	19,090,200	46,989,200	39,852,600	28,715,500	3,099,389,600
Average length of hospital stay (days)	5	5	5	5	4	5
Number of ER visits	348	129	212	173	175	19,962
Crude rate of ER visits (per 100,000)	512	454	546	539	488	418
Median age of ER patients	62	61	64	62	64	64
Total cost of ER visits (\$)	2,325,700	701,500	1,566,900	1,125,800	1,199,900	168,582,900
Number of deaths	239	89	150	128	111	9,604
Age-Adjusted Death rate (per 100,000)	292.9	328.2	273.9	377.6	233.0	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.6	NA	NA	NA	NA	3.8
Number of hospitalizations	307	117	188	143	164	14,943
Crude rate of hospitalizations (per 100,000)	452	412	484	445	458	313
Median age of hospitalized patients	68	63	70	70	66	69
Total cost of hospitalization (\$)	15,625,000	6,692,400	8,868,000	7,007,900	8,617,100	690,018,200
Average length of hospital stay (days)	5	6	5	5	5	5
Number of ER visits	83	20	61	44	39	5,283
Crude rate of ER visits (per 100,000)	122	70	157	137	109	111
Median age of ER patients	65	61	69	66	65	66
Total cost of ER visits (\$)	766,500	228,400	528,700	424,800	341,700	53,018,800
Number of deaths	50	21	29	26	24	2,488
Age-Adjusted Death rate (per 100,000)	62.0	76.7	54.0	85.3	46.3	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	319	103	213	118	201	15,659
Crude rate of hospitalizations (per 100,000)	470	363	548	367	561	328
Median age of hospitalized patients	60	59	62	58	61	63
Total cost of hospitalization (\$)	9,176,200	3,117,200	6,034,000	3,257,200	5,919,000	439,323,600
Average length of hospital stay (days)	4	3	4	3	4	4
Number of ER visits	691	383	300	287	404	49,050
Crude rate of ER visits (per 100,000)	1,017	1,348	772	894	1,128	1,027
Median age of ER patients	44	31	51	30	47	40
Total cost of ER visits (\$)	2,189,400	1,091,200	1,081,100	795,500	1,393,900	134,527,100
Number of deaths	50	13	37	25	25	2,751
Age-Adjusted Death rate (per 100,000)	61.5	54.2	66.6	76.4	53.4	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	16.4	NA	NA	NA	NA	12.5
Number of hospitalizations	220	120	97	100	119	9,764
Crude rate of hospitalizations (per 100,000)	324	422	250	311	332	204
Median age of hospitalized patients	51	51	52	51	51	51
Total cost of hospitalization (\$)	6,392,400	3,548,400	2,803,600	3,242,000	3,148,800	321,377,000
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	272	183	89	134	138	13,909
Crude rate of ER visits (per 100,000)	400	644	229	417	385	291
Median age of ER patients	55	53	60	51	59	52
Total cost of ER visits (\$)	885,800	539,400	346,400	375,200	510,600	46,056,100
Number of deaths	17	7	10	10	7	1,239
Age-Adjusted Death rate (per 100,000)	21.7	25.8	18.9	28.1	16.3	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	325	119	201	149	176	14,136
Crude rate of hospitalizations (per 100,000)	478	419	517	464	491	296
Median age of hospitalized patients	65	60	67	64	65	64
Total cost of hospitalization (\$)	24,006,200	8,737,900	14,937,900	11,082,100	12,924,100	963,427,600
Average length of hospital stay (days)	7	8	7	7	7	7
Number of deaths	168	50	118	95	73	9,700
Age-Adjusted Death rate (per 100,000)	198.2	161.3	217.9	262.3	156.9	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	52	19	32	24	28	1,796
Crude rate of hospitalizations (per 100,000)	77	67	82	75	78	38
Median age of hospitalized patients	66	57	68	61	66	65
Total cost of hospitalization (\$)	4,554,100	1,848,300	2,619,600	2,303,900	2,250,200	140,452,900
Average length of hospital stay (days)	8	10	7	9	8	8
Number of deaths	16	4	12	9	7	821
Age-Adjusted Death rate (per 100,000)	19.4	12.6	23.2	24.9	14.7	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	19	7	12	0	19	923
Crude rate of hospitalizations (per 100,000)	53	45	60	0	53	38
Median age of hospitalized patients	61	52	66	0	61	59
Total cost of hospitalization (\$)	1,276,400	397,700	878,700	0	1,276,400	50,631,800
Average length of hospital stay (days)	2	2	2	0	2	3
Number of deaths	8	3	5	0	8	633
Age-Adjusted Death rate (per 100,000)	17.5	17.5	17.9	0	17.5	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	4	3	1	0	4	142
Crude rate of hospitalizations (per 100,000)	11	19.3923723	5	0	11	6
Median age of hospitalized patients	69	68	70	0	69	55
Total cost of hospitalization (\$)	270,300	230,100	40,200	0	270,300	6,269,800
Average length of hospital stay (days)	3	3.33	3	0	3	4
Number of deaths	1	1	0	0	1	74
Age-Adjusted Death rate (per 100,000)	1.6	3.9	0.0	0	1.6	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	33	8	25	16	17	2,041
Crude rate of hospitalizations (per 100,000)	49	28	64	50	47	43
Median age of hospitalized patients	68	66	69	64	70	67
Total cost of hospitalization (\$)	2,623,400	409,100	2,214,300	1,087,900	1,535,500	145,739,900
Average length of hospital stay (days)	6	4	7	4	8	7
Number of deaths	49	9	40	33	16	2,825
Age-Adjusted Death rate (per 100,000)	55.7	29.3	68.8	88.4	33.5	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	18	7	11	18	0	970
Crude rate of hospitalizations (per 100,000)	56	54	58	56	0	42
Median age of hospitalized patients	63	60	66	63	0	63
Total cost of hospitalization (\$)	744,500	275,800	468,700	744,500	0	46,328,200
Average length of hospital stay (days)	3	3	3	3	0	3
Number of deaths	5	3	2	5	0	457
Age-Adjusted Death rate (per 100,000)	18.1	34.7	11.3	18.1	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
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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/>

