

COORDINATED CHRONIC DISEASE FACT SHEET MARLBORO



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

The largest portion (37%) of the population in Marlboro county are between the ages of 18-44, and there are more males (53%) than females (47%). The elderly population is similar to the state (14%). Marlboro county has a higher minority population (52%) than the state (29%).

	MARLBORO COUNTY	STATE
Population size	28,000	4,774,840
Age distribution (%)		
<18	20.4	22.8
18-44	36.9	35.4
45-64	28.0	26.6
65-84	13.2	13.6
85+	1.6	1.6
Race (%)		
White	42.8	69.2
Black	51.9	28.5
Sex (%)		
Male	53.3	48.7
Female	46.7	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 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	50	43	7	23	27	5,334
Crude rate of hospitalizations (per 100,000)	179	296	58	154	206	112
Median age of hospitalized patients	57	56	76	57	53	59
Total cost of hospitalization (\$)	1,383,600	1,176,800	206,800	694,800	688,800	200,069,800
Average length of hospital stay (days)	4	3	4	3	4	5
Number of ER visits	167	137	28	64	103	15,651
Crude rate of ER visits (per 100,000)	596	942	234	429	787	328
Median age of ER patients	52	52	54	48	59	54
Total cost of ER visits (\$)	618,200	532,600	75,300	264,800	353,400	49,710,700
Number of deaths	3	2	1	3	0	418
Age-Adjusted Death rate (per 100,000)	8.9	11	7.0	20.4	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	347	186	155	175	172	50,827
Crude rate of hospitalizations (per 100,000)	1,239	1,279	1,295	1,172	1,315	1,064
Median age of hospitalized patients	66	64	66	63	68	68
Total cost of hospitalization (\$)	17,801,100	8,766,800	8,792,300	9,320,800	8,480,300	3,099,389,600
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	163	94	67	93	70	19,962
Crude rate of ER visits (per 100,000)	582	646	560	623	535	418
Median age of ER patients	59	60	58	59	61	64
Total cost of ER visits (\$)	1,270,100	666,500	594,200	752,200	517,900	168,582,900
Number of deaths	125	63	54	67	58	9,604
Age-Adjusted Death rate (per 100,000)	413.2	458.6	350.4	502.5	329.3	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.6	NA	NA	NA	NA	3.8
Number of hospitalizations	111	58	52	48	63	14,943
Crude rate of hospitalizations (per 100,000)	396	399	434	322	482	313
Median age of hospitalized patients	65	65	66	66	65	69
Total cost of hospitalization (\$)	5,436,300	3,238,700	2,153,600	2,404,500	3,031,800	690,018,200
Average length of hospital stay (days)	5	5	4	4	5	5
Number of ER visits	54	31	20	18	36	5,283
Crude rate of ER visits (per 100,000)	193	213	167	121	275	111
Median age of ER patients	66	64	67	64	66	66
Total cost of ER visits (\$)	624,500	341,600	216,700	187,400	437,100	53,018,800
Number of deaths	10	7	1	5	5	2,488
Age-Adjusted Death rate (per 100,000)	28.0	44.5	6.7	32.3	24.3	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	162	66	92	71	91	15,659
Crude rate of hospitalizations (per 100,000)	579	454	769	476	696	328
Median age of hospitalized patients	61	56	67	64	59	63
Total cost of hospitalization (\$)	3,900,700	1,442,100	2,419,800	1,572,200	2,328,500	439,323,600
Average length of hospital stay (days)	3	3	3	3	3	4
Number of ER visits	316	218	92	139	177	49,050
Crude rate of ER visits (per 100,000)	1,129	1,499	769	931	1,353	1,027
Median age of ER patients	36	30	52	36	41	40
Total cost of ER visits (\$)	841,900	514,600	317,200	338,700	503,200	134,527,100
Number of deaths	32	5	25	17	15	2,751
Age-Adjusted Death rate (per 100,000)	100.1	37.2	146.7	131.8	80.3	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	16.4	NA	NA	NA	NA	12.5
Number of hospitalizations	64	49	15	32	32	9,764
Crude rate of hospitalizations (per 100,000)	229	337	125	214	245	204
Median age of hospitalized patients	53	47	61	48	54	51
Total cost of hospitalization (\$)	2,272,000	1,246,300	1,025,700	1,478,300	793,700	321,377,000
Average length of hospital stay (days)	3	3	5	4	3	5
Number of ER visits	120	91	29	55	65	13,909
Crude rate of ER visits (per 100,000)	429	626	242	368	497	291
Median age of ER patients	55	55	52	50	57	52
Total cost of ER visits (\$)	448,600	343,300	105,300	203,100	245,500	46,056,100
Number of deaths	5	4	1	2	3	1,239
Age-Adjusted Death rate (per 100,000)	18.6	36.1	7.3	16.1	18.1	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	103	40	62	47	56	14,136
Crude rate of hospitalizations (per 100,000)	368	275	518	315	428	296
Median age of hospitalized patients	64	65	64	65	64	64
Total cost of hospitalization (\$)	6,331,900	2,348,700	3,950,800	2,865,200	3,466,700	963,427,600
Average length of hospital stay (days)	5	5	5	5	5	7
Number of deaths	76	29	46	33	43	9,700
Age-Adjusted Death rate (per 100,000)	225.6	201.4	262.6	229.7	230.2	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	8	3	5	6	2	1,796
Crude rate of hospitalizations (per 100,000)	29	21	42	40	15	38
Median age of hospitalized patients	55	68	48	55	54	65
Total cost of hospitalization (\$)	374,800	180,100	194,700	269,700	105,100	140,452,900
Average length of hospital stay (days)	5	6	5	5	7	8
Number of deaths	9	1	7	5	4	821
Age-Adjusted Death rate (per 100,000)	25.2	7.4	38.8	31.5	18.8	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	14	6	8	0	14	923
Crude rate of hospitalizations (per 100,000)	107	89	142	0	107	38
Median age of hospitalized patients	55	55	55	0	55	59
Total cost of hospitalization (\$)	798,900	358,600	440,300	0	798,900	50,631,800
Average length of hospital stay (days)	3	4	2	0	3	3
Number of deaths	4	4	0	0	4	633
Age-Adjusted Death rate (per 100,000)	20.9	42.4	0.0	0	20.9	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	0	0	0	0	0	142
Crude rate of hospitalizations (per 100,000)	0	0	0	0	0	6
Median age of hospitalized patients	0	0	0	0	0	55
Total cost of hospitalization (\$)	0	0	0	0	0	6,269,800
Average length of hospital stay (days)	0	0	0	0	0	4
Number of deaths	3	3	0	0	3	74
Age-Adjusted Death rate (per 100,000)	20.1	43.6	0	0	20.1	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	18	4	14	6	12	2,041
Crude rate of hospitalizations (per 100,000)	64	28	117	40	92	43
Median age of hospitalized patients	66	67	65	68	64	67
Total cost of hospitalization (\$)	1,609,400	202,700	1,406,700	425,300	1,184,100	145,739,900
Average length of hospital stay (days)	6	4	6	5	6	7
Number of deaths	29	6	23	11	18	2,825
Age-Adjusted Death rate (per 100,000)	83.9	39.6	128.0	82.1	93.8	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	5	1	4	5	0	970
Crude rate of hospitalizations (per 100,000)	33	13	63.0	33	0	42
Median age of hospitalized patients	62	58	66.5	62	0	63
Total cost of hospitalization (\$)	245,600	87,800	157,800	245,600	0	46,328,200
Average length of hospital stay (days)	3	4	2.75	3	0	3
Number of deaths	3	2	1	3	0	457
Age-Adjusted Death rate (per 100,000)	25.9	39.4	15.9	25.9	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/>

