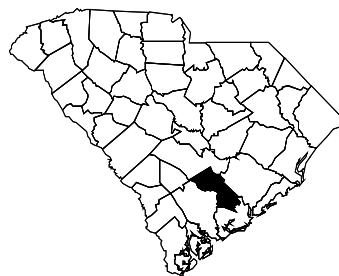


COORDINATED CHRONIC DISEASE FACT SHEET DORCHESTER County, 2013



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 Dorchester 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 are between the ages of 18-44. Dorchester county has more people under the age of 45 (62%) than the state (58%). There are more females (51%) than males(49%). Dorchester county has a similar minority population (27%) than the state (29%).

	DORCHESTER COUNTY	STATE
Population size	145,400	4,774,840
Age distribution (%)		
<18	25.6	22.8
18-44	36.7	35.4
45-64	26.6	26.6
65-84	10.1	13.6
85+	1.0	1.6
Race (%)		
White	70.1	69.2
Black	26.9	28.5
Sex (%)		
Male	48.8	48.7
Female	51.2	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 (%)	16.36	14.96	16.28	21.65	12.01	22.00
Sedentary lifestyle (%)	23.85	27.03	21.83	22.64	24.86	26.87
Overweight or Obese (%)	65.50	73.09	63.37	69.24	62.22	66.47
High Cholesterol (%)	45.50	43.06	47.14	48.79	42.73	42.58
Median daily servings of fruits	1.00	1.05	1.00	0.98	1.12	0.99
Median daily servings of vegetables	1.57	1.14	1.72	1.45	1.70	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 (%)*	39.2	NA	NA	NA	NA	38.4
Number of hospitalizations	171	102	61	79	92	5,334
Crude rate of hospitalizations (per 100,000)	118	260	60	111	124	112
Median age of hospitalized patients	61	57	64	56	66	59
Total cost of hospitalization (\$)	6,935,000	3,673,900	2,993,000	3,033,600	3,901,400	200,069,800
Average length of hospital stay (days)	4	3	4	3	4	5
Number of ER visits	287	166	112	120	167	15,651
Crude rate of ER visits (per 100,000)	197	424	110	169	224	328
Median age of ER patients	53	50	58	51	57	54
Total cost of ER visits (\$)	1,354,400	717,500	560,900	578,100	776,300	49,710,700
Number of deaths	8	5	3	2	6	418
Age-Adjusted Death rate (per 100,000)	7.6	23.1	3.9	4.1	8.9	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.7	NA	NA	NA	NA	4.9
Number of hospitalizations	1,292	300	957	717	575	50,827
Crude rate of hospitalizations (per 100,000)	889	766	939	1,011	772	1,064
Median age of hospitalized patients	67	65	69	65	69	68
Total cost of hospitalization (\$)	107,438,500	20,127,300	84,726,400	66,892,800	40,545,700	3,099,389,600
Average length of hospital stay (days)	4	5	4	4	5	5
Number of ER visits	431	122	295	219	212	19,962
Crude rate of ER visits (per 100,000)	296	311	290	309	285	418
Median age of ER patients	61	57	63	61	61	64
Total cost of ER visits (\$)	5,963,400	1,264,000	4,593,900	3,373,200	2,590,200	168,582,900
Number of deaths	195	52	143	110	85	9,604
Age-Adjusted Death rate (per 100,000)	159.9	204.2	152.3	211.3	122.1	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.8	NA	NA	NA	NA	3.8
Number of hospitalizations	404	99	300	187	217	14,943
Crude rate of hospitalizations (per 100,000)	278	253	294	264	291	313
Median age of hospitalized patients	70	65	71	70	69	69
Total cost of hospitalization (\$)	18,996,500	4,465,800	14,393,600	9,113,700	9,882,800	690,018,200
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	133	39	91	53	80	5,283
Crude rate of ER visits (per 100,000)	91	100	89	75	107	111
Median age of ER patients	64	60	67	65	64	66
Total cost of ER visits (\$)	1,825,900	564,800	1,211,300	667,300	1,158,600	53,018,800
Number of deaths	50	11	39	20	30	2,488
Age-Adjusted Death rate (per 100,000)	43.8	49.8	43.2	41.3	44.4	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	503	98	390	180	323	15,659
Crude rate of hospitalizations (per 100,000)	346	250	383	254	434	328
Median age of hospitalized patients	64	51	66	61	64	63
Total cost of hospitalization (\$)	19,464,000	2,993,200	16,206,200	6,849,900	12,614,100	439,323,600
Average length of hospital stay (days)	4	4	4	4	4	4
Number of ER visits	1,062	389	607	467	595	49,050
Crude rate of ER visits (per 100,000)	730	993	596	658	799	1,027
Median age of ER patients	36	24	43	27	41	40
Total cost of ER visits (\$)	4,277,900	1,311,600	2,746,900	1,759,400	2,518,500	134,527,100
Number of deaths	66	11	54	27	39	2,751
Age-Adjusted Death rate (per 100,000)	59.1	51.1	61.2	59.9	59.7	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	14.0	NA	NA	NA	NA	12.5
Number of hospitalizations	289	138	138	135	154	9,764
Crude rate of hospitalizations (per 100,000)	199	352	135	190	207	204
Median age of hospitalized patients	44	44	45	44	45	51
Total cost of hospitalization (\$)	8,983,700	4,416,400	4,223,200	3,747,600	5,236,100	321,377,000
Average length of hospital stay (days)	4	4	3	3	4	5
Number of ER visits	277	146	120	123	154	13,909
Crude rate of ER visits (per 100,000)	191	373	118	173	207	291
Median age of ER patients	45	41	47	44	46	52
Total cost of ER visits (\$)	1,295,400	666,300	584,600	563,000	732,400	46,056,100
Number of deaths	25	13	12	15	10	1,239
Age-Adjusted Death rate (per 100,000)	20.5	51.1	13.4	29.4	13.1	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	404	101	295	222	182	14,136
Crude rate of hospitalizations (per 100,000)	278	258	290	313	244	296
Median age of hospitalized patients	62	61	63	62	61	64
Total cost of hospitalization (\$)	32,587,500	9,052,000	22,715,800	19,542,100	13,045,400	963,427,600
Average length of hospital stay (days)	6	6	6	6	6	7
Number of deaths	202	41	159	105	97	9,700
Age-Adjusted Death rate (per 100,000)	156.7	132.6	163.5	180.1	137.7	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	45	10	34	20	25	1,796
Crude rate of hospitalizations (per 100,000)	31	26	33	28	34	38
Median age of hospitalized patients	66	66	67	63	68	65
Total cost of hospitalization (\$)	3,602,500	1,037,700	2,514,500	1,661,000	1,941,500	140,452,900
Average length of hospital stay (days)	6	9	5	7	6	8
Number of deaths	17	2	15	10	7	821
Age-Adjusted Death rate (per 100,000)	13.7	4.5	16.2	19.1	9.5	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	22	7	14	0	22	923
Crude rate of hospitalizations (per 100,000)	30	34	27	0	30	38
Median age of hospitalized patients	52	53	63	0	52	59
Total cost of hospitalization (\$)	1,864,300	626,900	1,091,900	0	1,864,300	50,631,800
Average length of hospital stay (days)	3	2	3	0	3	3
Number of deaths	20	6	14	0	20	633
Age-Adjusted Death rate (per 100,000)	24.5	26.0	24.7	0	24.5	21.1

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	6	2	4	0	6	142
Crude rate of hospitalizations (per 100,000)	8	9.8	8	0	8	6
Median age of hospitalized patients	52	55	50	0	52	55
Total cost of hospitalization (\$)	170,000	66,400	103,600	0	170,000	6,269,800
Average length of hospital stay (days)	2	1.5	2	0	2	4
Number of deaths	4	1	3	0	4	74
Age-Adjusted Death rate (per 100,000)	4.9	4	5.1	0	4.9	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	58	14	42	37	21	2,041
Crude rate of hospitalizations (per 100,000)	40	36	41	52	28	43
Median age of hospitalized patients	70	70	71	66	73	67
Total cost of hospitalization (\$)	5,136,500	1,066,600	3,882,300	2,902,800	2,233,700	145,739,900
Average length of hospital stay (days)	7	6	7	6	8	7
Number of deaths	58	10	47	31	27	2,825
Age-Adjusted Death rate (per 100,000)	46.1	31.5	49.0	48.4	41.1	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	47	15	32	47	0	970
Crude rate of hospitalizations (per 100,000)	66	80	64	66	0	42
Median age of hospitalized patients	62	63	61	62	0	63
Total cost of hospitalization (\$)	3,934,000	2,275,000	1,659,000	3,934,000	0	46,328,200
Average length of hospital stay (days)	3	6	2	3	0	3
Number of deaths	10	4	6	10	0	457
Age-Adjusted Death rate (per 100,000)	23.4	49.7	17.8	23.4	0	21.2

*DHEC Health Region Low Country: Allendale, Bamberg, Beaufort, Berkeley, Calhoun, Charleston, Colleton, Dorchester, Hampton, Jasper, Orangeburg.

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/>