

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

The distribution of Chester county’s population is similar to the state population. The largest portion (32%) of the population in Chester county are between the ages of 18-44. There are more females (52%) than males (48%). However, Chester county has a higher minority population (38%) than the state (29%).

	CHESTER COUNTY	STATE
Population size	32,580	4,774,840
Age distribution (%)		
<18	22.9	22.8
18-44	31.9	35.4
45-64	29.0	26.6
65-84	14.5	13.6
85+	1.8	1.6
Race (%)		
White	61.0	69.2
Black	37.9	28.5
Sex (%)		
Male	48.3	48.7
Female	51.7	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 (%)	20.08	17.50	21.35	23.63	17.09	22.00
Sedentary lifestyle (%)	25.85	28.60	24.99	23.56	27.82	26.87
Overweight or Obese (%)	68.49	77.84	66.06	70.51	66.66	66.47
High Cholesterol (%)	42.77	36.52	45.41	42.02	43.37	42.58
Median daily servings of fruits	0.99	0.99	0.99	0.85	1.00	0.99
Median daily servings of vegetables	1.60	1.20	1.67	1.49	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 (%)*	44.1	NA	NA	NA	NA	38.4
Number of hospitalizations	49	36	11	21	28	5,334
Crude rate of hospitalizations (per 100,000)	150	292	55	133	166	112
Median age of hospitalized patients	54	52	63	52	57	59
Total cost of hospitalization (\$)	1,743,800	1,467,400	248,800	589,000	1,154,800	200,069,800
Average length of hospital stay (days)	4	5	2	4	4	5
Number of ER visits	211	154	56	98	113	15,651
Standard rate of ER visits (per 100,000)	648	1,248	282	622	671	328
Median age of ER patients	50	50	57	46	52	54
Total cost of ER visits (\$)	629,600	486,200	138,400	265,400	364,200	49,710,700
Number of deaths	4	1	3	2	2	418
Age-Adjusted Death rate (per 100,000)	11.6	9.2	10.8	15.3	8.8	7.9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	4.9	NA	NA	NA	NA	4.9
Number of hospitalizations	576	203	354	305	271	50,827
Crude rate of hospitalizations (per 100,000)	1,768	1,645	1,780	1,937	1,610	1,064
Median age of hospitalized patients	66	63	70	66	69	68
Total cost of hospitalization (\$)	25,397,700	7,427,700	16,685,000	14,436,100	10,961,600	3,099,389,600
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	222	99	123	115	107	19,962
Standard rate of ER visits (per 100,000)	681	802	618	730	636	418
Median age of ER patients	64	60	66	64	63	64
Total cost of ER visits (\$)	1,530,700	600,500	930,200	760,500	770,200	168,582,900
Number of deaths	91	35	55	55	36	9,604
Age-Adjusted Death rate (per 100,000)	236.2	303.2	206.3	321.0	155.5	179.2

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.7	NA	NA	NA	NA	3.8
Number of hospitalizations	133	39	90	63	70	14,943
Crude rate of hospitalizations (per 100,000)	408	316	452	400	416	313
Median age of hospitalized patients	73	65	76	72	76	69
Total cost of hospitalization (\$)	4,766,800	1,191,500	3,405,100	2,211,100	2,555,700	690,018,200
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	51	19	31	28	23	5,283
Standard rate of ER visits (per 100,000)	157	154	156	178	137	111
Median age of ER patients	65	64	67	65	65	66
Total cost of ER visits (\$)	395,100	125,600	265,000	189,300	205,800	53,018,800
Number of deaths	21	6	15	9	12	2,488
Age-Adjusted Death rate (per 100,000)	53.9	53.0	54.2	50.1	49.5	47.2

CHRONIC LOWER RESPIRATORY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	163	52	110	84	79	15,659
Crude rate of hospitalizations (per 100,000)	500	421	553	533	469	328
Median age of hospitalized patients	63	55	66	59	68	63
Total cost of hospitalization (\$)	4,270,600	1,108,200	3,143,800	1,938,100	2,332,500	439,323,600
Average length of hospital stay (days)	4	3	4	3	4	4
Number of ER visits	382	203	174	172	210	49,050
Standard rate of ER visits (per 100,000)	1,172	1,645	875	1,092	1,248	1,027
Median age of ER patients	42	24	51	23	49	40
Total cost of ER visits (\$)	1,366,500	647,700	711,200	619,000	747,500	134,527,100
Number of deaths	32	7	25	13	19	2,751
Age-Adjusted Death rate (per 100,000)	78.3	55.0	88.2	77.0	77.3	50.7

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	12.4	NA	NA	NA	NA	12.5
Number of hospitalizations	142	71	70	73	69	9,764
Crude rate of hospitalizations (per 100,000)	436	575	352	463	410	204
Median age of hospitalized patients	54	52	57	55	51	51
Total cost of hospitalization (\$)	4,410,700	1,790,500	2,613,300	2,483,300	1,927,400	321,377,000
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ER visits	148	79	69	63	85	13,909
Standard rate of ER visits (per 100,000)	454	640	347	400	505	291
Median age of ER patients	54	54	54	54	53	52
Total cost of ER visits (\$)	593,000	318,900	274,100	240,700	352,300	46,056,100
Number of deaths	34	16	18	15	19	1,239
Age-Adjusted Death rate (per 100,000)	85.0	141.1	65.4	83.3	86.5	22.5

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	101	30	66	60	41	14,136
Crude rate of hospitalizations (per 100,000)	310	243	332	381	244	296
Median age of hospitalized patients	67	63	67	64	69	64
Total cost of hospitalization (\$)	5,445,200	1,635,000	3,594,100	3,302,700	2,142,500	963,427,600
Average length of hospital stay (days)	5	5	5	6	5	7
Number of deaths	97	25	72	46	51	9,700
Age-Adjusted Death rate (per 100,000)	241.1	211.8	255.5	277.8	223.6	173.2

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	21	6	15	10	11	1,796
Crude rate of hospitalizations (per 100,000)	64	49	75	63	65	38
Median age of hospitalized patients	64	67	63	59	70	65
Total cost of hospitalization (\$)	1,184,600	351,000	833,600	466,700	717,900	140,452,900
Average length of hospital stay (days)	5	5	5	5	5	8
Number of deaths	10	2	8	2	8	821
Age-Adjusted Death rate (per 100,000)	22.6	13.0	26.3	7.8	34.0	14.9

FEMALE BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	3	4	0	7	923
Crude rate of hospitalizations (per 100,000)	42	46	40	0	42	38
Median age of hospitalized patients	71	72	61	0	71	59
Total cost of hospitalization (\$)	371,400	64,000	307,400	0	371,400	50,631,800
Average length of hospital stay (days)	3	2	3	0	3	3
Number of deaths	9	4	5	0	9	633
Age-Adjusted Death rate (per 100,000)	41.2	61.7	39.1	0	41.2	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	0	0	0	0	0	74
Age-Adjusted Death rate (per 100,000)	0	0	0	0	0	2.7

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	16	5	11	8	8	2,041
Crude rate of hospitalizations (per 100,000)	49	41	55	51	48	43
Median age of hospitalized patients	68	61	69	67	70	67
Total cost of hospitalization (\$)	719,100	192,600	526,500	285,700	433,400	145,739,900
Average length of hospital stay (days)	6	6	6	5	7	7
Number of deaths	33	4	29	19	14	2,825
Age-Adjusted Death rate (per 100,000)	76.2	23.5	99.2	104.6	57.7	49.2

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	11	7	3	11	0	970
Crude rate of hospitalizations (per 100,000)	70	122	30	70	0	42
Median age of hospitalized patients	60	60	59	60	0	63
Total cost of hospitalization (\$)	322,800	200,200	89,700	322,800	0	46,328,200
Average length of hospital stay (days)	2	2	2	2	0	3
Number of deaths	4	2	2	4	0	457
Age-Adjusted Death rate (per 100,000)	30.7	68.1	19.0	30.7	0	21.2

*DHEC Health Region Midlands: Aiken, Barnwell, Chester, Edgefield, Fairfield, Kershaw, Lancaster, Lexington, Newberry, Richland, Saluda, York.

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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Hospital discharge and ER visits, contact:
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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/>

