Sentara Albemarle Medical Center Community Health Needs Assessment 2016





Sentara Albemarle Medical Center 2016 Community Health Needs Assessment

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I. INTRODUCTION

Sentara Albemarle Medical Center has conducted a community health needs assessment of the area that we serve. The assessment provides us with a picture of the health status of the residents in our communities and provides us with information about health and health-related problems that impact health status.

This assessment was carried out in collaboration with Albemarle Regional Health Services (ARHS) in the area that we serve, including Camden, Currituck, Gates, Pasquotank, and Perquimans Counties. County level data and community findings for each county were provided from the Health Department. During the assessment process, these data and findings were explored to better understand the unique sociodemographic and health issues relevant to each county.

Our assessment includes a review of population characteristics such as age, educational level, and racial and ethnic composition because social factors are important determinants of health. The assessment also summarizes the Health Department findings to highlight risk factors like obesity and smoking and other health indicators. Community input is important so the assessment also includes findings from focus group discussions with key community members on health issues and barriers to achieving good health.

The needs assessment identifies numerous health issues that our communities face. Considering factors such as size and scope of the health problem, the severity and intensity of the problem, the feasibility and effectiveness of possible interventions, health disparities associated with the need, the importance the community places on addressing the need, and consistency with our mission "to improve health every day", we have identified a number of priority health problems in our area to address in our implementation strategy:

- Lifestyle
- Behavioral Health
- Access

Our previous Community Health Needs Assessment also identified a number of health issues. An implementation strategy was developed to address these problems. The hospital has tracked progress on the implementation activities in order to evaluate the impact of these actions. The implementation progress report is available in the Appendix.

Sentara Albemarle Medical Center works with a number of community partners to address health needs. Information on available resources is available from sources like Sentara.com and ahrs-nc.org. Together, we will work to improve the health of the communities we serve.

Your input is important to us so that we can incorporate your feedback into our assessments. You may use our online feedback form available on the Sentara.com website. Thanks!

Sentara Albemarle Medical Center (SAMC) 2016 Community Health Needs Assessment

Community Description

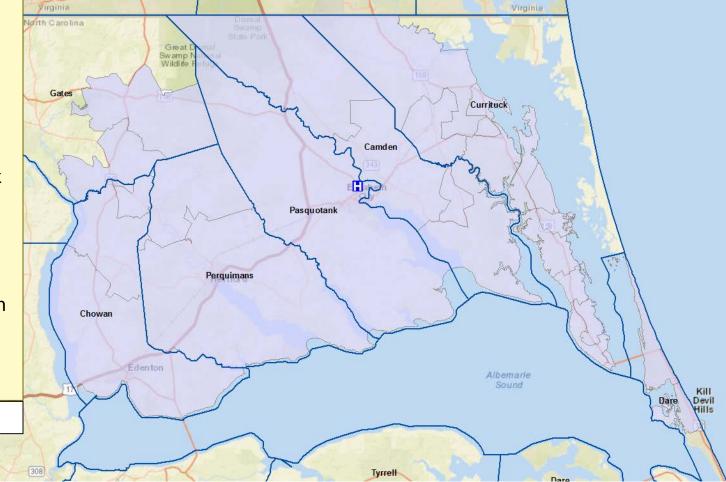
Community Description

Sentara Albemarle Medical Center Service Area

Sentara Albemarle **Medical Center** (SAMC) serves residents of North Carolina in Camden, Chowan, Currituck, Dare, Gates, Pasquotank and Perquimans counties. About 93% of the hospital's inpatients reside in the service area depicted in the map.

SAMC

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Area-wide Key Demographic Characteristics

DEMOGRAPHIC CHARACTERISTICS				
	Selected Area	North Carolina	USA	
2010 Total Population	120,512	9,535,483	308,745,538	
2016 Total Population	122,012	10,089,413	322,431,073	
2021 Total Population	124,917	10,586,960	334,341,965	
% Change 2016 - 2021	2.4%	4.9%	3.7%	
Median Household Income	\$ 51,558	\$ 47,647	\$ 55,072	
POPULATION DISTRIBUTION				

			Age Dis	Age Distribution					
– Age Group	2016	% of Total	2021	% of Total	NC 2016 % of Total	USA 2016 % of Total			
0-14	21,124	17.3%	20,405	16.3%	19.0%	19.0%			
15-17	4,610	3.8%	4,813	3.9%	3.9%	4.0%			
18-24	10,949	9.0%	11,750	9.4%	9.9%	9.8%			
25-34	13,760	11.3%	13,852	11.1%	12.8%	13.3%			
35-54	31,230	25.6%	29,211	23.4%	26.4%	26.0%			
55-64	18,041	14.8%	19,010	15.2%	12.7%	12.8%			
65+	22,298	18.3%	25,876	20.7%	15.3%	15.1%			
Total	122,012	100.0%	124,917	100.0%	100.0%	100.0%			
EDUCATION L	.EVEL								

	Ec	Education Level Distribution							
	Pop Age		NC 2016	USA					
2016 Adult Education Level	25+	% of Total	% of Total	% of Total					
Less than High School	3,769	4.4%	5.6%	5.8%					
Some High School	8,703	10.2%	9.0%	7.8%					
High School Degree	25,948	30.4%	26.7%	27.9%					
Some College/Assoc. Degree	28,923	33.9%	30.7%	29.2%					
Bachelor's Degree or Greater	17,986	21.1%	28.0%	29.4%					
Total	85,329	100.0%	100.0%	100.0%					

 $\ensuremath{\mathbb{C}}$ 2016 The Nielsen Company, $\ensuremath{\mathbb{C}}$ 2016 Truven Health Analytics Inc.

- The area's 2016 total population is 122,012 with projected growth of 2.4% over the next five years.
 - North Carolina and the U.S. are expected to grow at a faster rate of 4.9 % and 3.7%.
- The median household income (\$51,558) is higher than the state, but less than the U.S. median income.
- The 55-64 and 65+ age cohorts combined (33.1%) is a greater percent of the total population compared to those age cohorts for North Carolina (28%) and the U.S (27.9%).
- 14.6% of the population age 25+ has only some high school education or less, which is comparable to North Carolina (14.6%) and the U.S. (13.6%).

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Area-wide Key Demographic Characteristics, Cont.

- The projected growth of females, child bearing age (15-44) is 1.6%, which is less than the state (2.1%), but comparable to the U.S. (1.5%).
- 23.7% of the population has a household income below \$25,000.
 - This is slightly higher than the U.S. (22.7%), but lower than North Carolina (25.9%).
 - 200% of the current Federal Poverty Level for a family of four is \$48,600.
- 21.8% of the population is Black Non-Hispanic and 70.6% White Non-Hispanic.
 - The percent Black non-Hispanic population is slightly larger than that of the state (21.3%) and the US (12.3%).

DEMOGRAPHIC CHARACTERISTICS					
				NC %	USA %
	2016	2021	% Change	Change	Change
Total Male Population	59,737	61,149	2.4%	5.0%	3.8%
Total Female Population	62,275	63,768	2.4%	4.8%	3.6%
Females, Child Bearing Age (15-44)	21,595	21,943	1.6%	2.1%	1.5%
HOUSEHOLD INCOME DISTRIBUTION					
			Income Di	stribution	
				NC %	USA
2016 Household Income		HH Count		Change	% of Total
<\$15K		6,000	12.6%	14.0%	12.3%
\$15-25K		5,274	11.1%	11.9%	10.4%
\$25-50K		11,821	24.9%	26.3%	23.4%
\$50-75K		9,404	19.8%	18.0%	17.6%
\$75-100K		6,124	12.9%	11.2%	12.0%
Over \$100K		8,925	18.8%	18.7%	24.3%
Total		47,548	100.0%	100.0%	100.0%
RACE/ETHNICITY					
		R	ace/Ethnicity		
Race/Ethnicity		2016 Pop	% of Total	NC % Change	USA % of Total
White Non-Hispanic		86,197	70.6%	63.5%	61.3%
Black Non-Hispanic		26,561	21.8%	21.3%	12.3%
Hispanic		5,018	4.1%	9.3%	17.8%
Asian & Pacific Is. Non-Hispanic		1,419	1.2%	2.7%	5.4%
All Others		2,817	2.3%	3.2%	3.1%
Total		122,012	100.0%	100.0%	0 100.0%

City and County Data

						Populati	Population and Age					
ZIP	County	Area	2016 Population	Projected 2016-2021 % Change in Total Pop.	2016 % of Total Pop. that is age 65+	Projected 2016-2021 % Change in Pop. age 65+	2016 % of Total Pop. that is age 0-17	Projected 2016-2021 % Change in Pop. age 0-17	2016 % of Female Pop. that is age 15-44	Projected 2016-2021 % Change in Female Pop. age 15-44		
27909	Pasquotank	Elizabeth City	39,241	-0.6%	15.9%	11.5%	22.2%	-0.3%	38.4%	-2.0%		
27916	Currituck	Aydlett	830	9.4%	20.2%	22.0%	17.6%	-2.7%	33.6%	9.2%		
27917	Currituck	Barco	983	0.6%	23.2%	10.1%	19.9%	-6.1%	31.0%	-0.6%		
27919	Perquimans	Belvidere	1,206	-0.2%	20.3%	11.4%	20.1%	1.2%	31.2%	5.2%		
27921	Camden	Camden	4,970	5.0%	15.8%	23.5%	22.1%	-10.9%	36.9%	4.1%		
27923	Currituck	Coinjock	720	6.7%	20.7%	19.5%	17.9%	-0.8%	32.8%	6.7%		
27929	Currituck	Currituck	1,338	7.3%	18.5%	28.7%	20.2%	-3.0%	29.5%	9.6%		
27932	Chowan	Edenton	12,648	0.7%	22.9%	10.6%	21.3%	-1.1%	30.6%	2.4%		
27939	Currituck	Grandy	2,499	8.5%	20.2%	21.8%	20.9%	9.9%	32.7%	8.6%		
27941	Currituck	Harbinger	805	5.2%	19.1%	26.6%	19.8%	2.5%	32.6%	-0.8%		
27944	Perquimans	Hertford	12,206	2.7%	25.3%	12.9%	19.7%	-2.7%	30.0%	4.5%		
27946	Gates	Hobbsville	1,097	-2.4%	22.7%	9.6%	18.9%	-7.2%	30.7%	-2.9%		
27947	Currituck	Jarvisburg	707	3.8%	17.1%	23.1%	21.9%	3.2%	31.9%	6.1%		
27948	Dare	Kill Devil Hills	11,568	5.3%	14.2%	27.7%	20.3%	1.7%	36.4%	1.2%		
27949	Dare	Kitty Hawk	7,086	2.4%	26.6%	14.6%	15.6%	-8.3%	26.2%	2.3%		
27956	Currituck	Maple	296	1.0%	19.6%	13.8%	19.3%	-3.5%	34.2%	-5.9%		
27958	Currituck	Moyock	11,098	8.0%	12.9%	31.7%	23.0%	-3.2%	36.9%	6.3%		
27964	Currituck	Point Harbor	541	2.4%	16.1%	23.0%	22.9%	1.6%	33.0%	5.6%		
27965	Currituck	Poplar Branch	1,070	9.5%	19.5%	22.0%	20.7%	7.7%	33.6%	8.9%		
27966	Currituck	Powells Point	1,021	1.9%	15.3%	21.8%	23.1%	4.7%	32.9%	2.3%		
27973	Currituck	Shawboro	1,550	0.7%	17.4%	17.1%	20.5%	-12.6%	34.6%	2.6%		
27974	Camden	Shiloh	1,197	1.9%	18.4%	19.1%	20.8%	-11.2%	36.2%	5.1%		
27976	Camden	South Mills	3,676	5.0%	14.3%	23.2%	23.3%	-7.8%	37.4%	3.8%		
27979	Gates	Sunbury	1,651	-2.4%	20.0%	5.8%	21.4%	-9.1%	31.4%	-0.7%		
27980	Chowan	Tyner	2,008	1.1%	21.0%	13.8%	19.3%	-7.5%	33.3%	-0.3%		
Total			122,012	2.4%	18.3%	16.0%	21.1%	-2.0%	34.7%	1.6%		
North Car	 olina		10,089,413	4.9%	15.3%	19.2%	22.9%	1.5%	38.4%	2.1%		
			10,003,413	7.3/0	13.378	13.270	22.3/0	1.570	50.470	2.1/0		
United St	ates		322,431,073	3.7%	15.1%	17.6%	23.0%	0.9%	38.7%	1.5%		

- Total population growth for the service region is projected to be 2.4%, whereas 4 areas expected to grow at a pace of 8% or higher and 4 other areas expected to decline in total population by 2021.
- For the age 65+ residents, 60% of the service area is expected to grow at a faster rate than the total service area and the U.S. The top 3 areas are highlighted.
- Nearly 70% of the pediatric population for the service area is projected to decline. The overall service region is expected to decline at a rate of -2.0% over the next five years.
- For females of childbearing age (15-44), 7 areas in the service region are expected to decline by the year 2021.

City and County Data, Cont.

			_			•	1 = 1
		-	Ra	ice and Ethnici	ty	Income ar	nd Education
ZIP	County	Area	2016 % of Pop.: Black, Non-Hispanic	2016 % of Pop.: Asian, Non-Hispanic	2016 % of Pop.: Hispanic Ethnicity (Any Race)	% of Households with Income Below \$25,000	% of Pop age 25+ that did not Graduate from High School
27909	Pasquotank	Elizabeth City	36.7%	1.5%	4.8%	27.4%	16.5%
27916	Currituck	Aydlett	2.7%	0.6%	1.4%	20.4%	10.0%
27917	Currituck	Barco	11.2%	0.4%	6.3%	19.2%	16.7%
27919	Perquimans	Belvidere	17.7%	0.2%	2.3%	25.0%	19.8%
27921	Camden	Camden	12.0%	1.7%	2.5%	21.1%	11.1%
27923	Currituck	Coinjock	5.4%	0.4%	3.1%	20.3%	12.5%
27929	Currituck	Currituck	1.7%	0.7%	3.2%	10.0%	10.3%
27932	Chowan	Edenton	35.1%	0.8%	3.0%	36.5%	20.2%
27939	Currituck	Grandy	3.8%	0.4%	3.4%	21.4%	15.3%
27941	Currituck	Harbinger	7.5%	0.4%	3.2%	18.6%	16.5%
27944	Perquimans	Hertford	24.5%	0.5%	2.6%	27.5%	16.0%
27946	Gates	Hobbsville	38.3%	0.6%	1.9%	32.2%	18.0%
27947	Currituck	Jarvisburg	9.1%	0.1%	4.0%	17.0%	17.1%
27948	Dare	Kill Devil Hills	1.3%	1.1%	7.9%	15.8%	5.2%
27949	Dare	Kitty Hawk	0.7%	0.8%	2.3%	10.5%	4.2%
27956	Currituck	Maple	10.1%	0.7%	5.1%	17.1%	16.6%
27958	Currituck	Moyock	6.5%	1.0%	4.3%	15.3%	16.0%
27964	Currituck	Point Harbor	10.9%	0.2%	4.3%	15.1%	18.8%
27965	Currituck	Poplar Branch	2.7%	0.5%	2.9%	21.3%	13.0%
27966	Currituck	Powells Point	11.8%	0.1%	4.3%	13.9%	18.3%
27973	Currituck	Shawboro	9.9%	1.7%	3.6%	15.5%	16.5%
27974	Camden	Shiloh	5.4%	8.8%	2.4%	17.8%	20.2%
27976	Camden	South Mills	16.1%	2.1%	3.4%	16.9%	15.1%
27979	Gates	Sunbury	35.7%	0.2%	2.1%	26.6%	15.9%
27980	Chowan	Tyner	26.6%	0.6%	4.2%	33.4%	21.19
Total			21.8%	1.2%	4.1%	23.7%	14.6%
North Caro	lina		21.3%	2.7%	9.3%	25.9%	14.6%
United Stat	es		12.3%	5.4%	17.8%	22.7%	13.6%

- This region has a comparable percent of African American, Non-Hispanic residents
 compared to North Carolina.
 Elizabeth City, Edenton,
 Hobbsville and Sunbury have
 over 35% African American,
 Non-Hispanic residents.
- The area is less diverse for the Asian, Non-Hispanic and Hispanic populations than the state and the U.S.
- The areas of Edenton, Hobbsville and Sunbury have over 32% of residents with lower income levels below \$25,000 as compared the region, the state and the U.S.
- Edenton, Shiloh and Tyner are the top 3 areas with the 20% or more of the population age 25 and older that has only an elementary school education within the region.

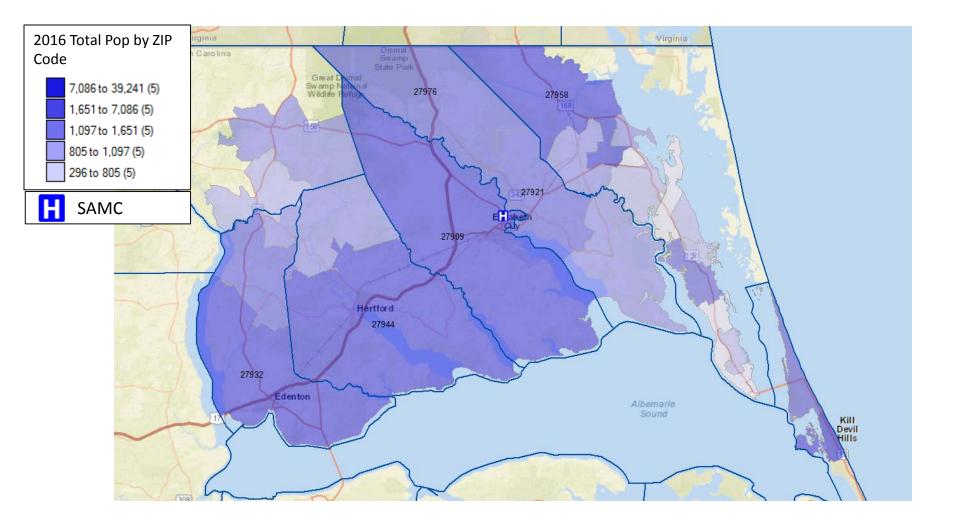
Key Demographic Data by ZIP

			Total	Рор		%	65+				
City/County	Zip Code	Zip City	2016	2021	% Change 2016-2021	2016	2021	Pop Density / Sq Mile	% of Households with Income Below \$25,000	% of Pop age 25+ that did not Graduate from High School	% of Service Area Pop
Pasquotank	27909	Elizabeth City	39,241	38,991	-0.6%	15.9%	17.8%	160	27.4%	16.5%	32.2%
Currituck	27916	Aydlett	830	908	9.4%	20.2%	22.6%	109	20.4%	10.0%	0.7%
Currituck	27917	Barco	983	989	0.6%	23.2%	25.4%	50	19.2%	16.7%	0.8%
Perquimans	27919	Belvidere	1,206	1,204	-0.2%	20.3%	22.7%	18	25.0%	19.8%	1.0%
Camden	27921	Camden	4,970	5,217	5.0%	15.8%	18.6%	74	21.1%	11.1%	4.1%
Currituck	27923	Coinjock	720	768	6.7%	20.7%	23.2%	53	20.3%	12.5%	0.6%
Currituck	27929	Currituck	1,338	1,436	7.3%	18.5%	22.1%	221	10.0%	10.3%	1.1%
Chowan	27932	Edenton	12,648	12,737	0.7%	22.9%	25.2%	95	36.5%	20.2%	10.4%
Currituck	27939	Grandy	2,499	2,712	8.5%	20.2%	22.7%	165	21.4%	15.3%	2.0%
Currituck	27941	Harbinger	805	847	5.2%	19.1%	23.0%	109	18.6%	16.5%	0.7%
Perquimans	27944	Hertford	12,206	12,532	2.7%	25.3%	27.8%	58	27.5%	16.0%	10.0%
Gates	27946	Hobbsville	1,097	1,071	-2.4%	22.7%	25.5%	32	32.2%	18.0%	0.9%
Currituck	27947	Jarvisburg	707	734	3.8%	17.1%	20.3%	106	17.0%	17.1%	0.6%
Dare	27948	Kill Devil Hills	11,568	12,182	5.3%	14.2%	17.2%	1199	15.8%	5.2%	9.5%
Dare	27949	Kitty Hawk	7,086	7,257	2.4%	26.6%	29.7%	471	10.5%	4.2%	5.8%
Currituck	27956	Maple	296	299	1.0%	19.6%	22.1%	99	17.1%	16.6%	0.2%
Currituck	27958	Moyock	11,098	11,984	8.0%	12.9%	15.7%	126	15.3%	16.0%	9.1%
Currituck	27964	Point Harbor	541	554	2.4%	16.1%	19.3%	522	15.1%	18.8%	0.4%
Currituck	27965	Poplar Branch	1,070	1,172	9.5%	19.5%	21.8%	190	21.3%	13.0%	0.9%
Currituck	27966	Powells Point	1,021	1,040	1.9%	15.3%	18.3%	153	13.9%	18.3%	0.8%
Currituck	27973	Shawboro	1,550	1,561	0.7%	17.4%	20.2%	44	15.5%	16.5%	1.3%
Camden	27974	Shiloh	1,197	1,220	1.9%	18.4%	21.5%	20	17.8%	20.2%	1.0%
Camden	27976	South Mills	3,676	3,859	5.0%	14.3%	16.8%	32	16.9%	15.1%	3.0%
Gates	27979	Sunbury	1,651	1,612	-2.4%	20.0%	21.7%	25	26.6%	15.9%	1.4%
Chowan	27980	Tyner	2,008	2,031	1.1%	21.0%	23.6%	42	33.4%	21.1%	1.6%
Total SAMC Service	Area		122,012	124,917	2.4%	18.3%	20.7%	95	23.7%	14.6%	
North Carolina			10,089,413	10,586,960	4.9%	15.3%	16.6%	208	25.9%	14.6%	
USA			322,431,073	334,341,965	3.7%	15.1%	17.1%	91	22.7%	13.6%	

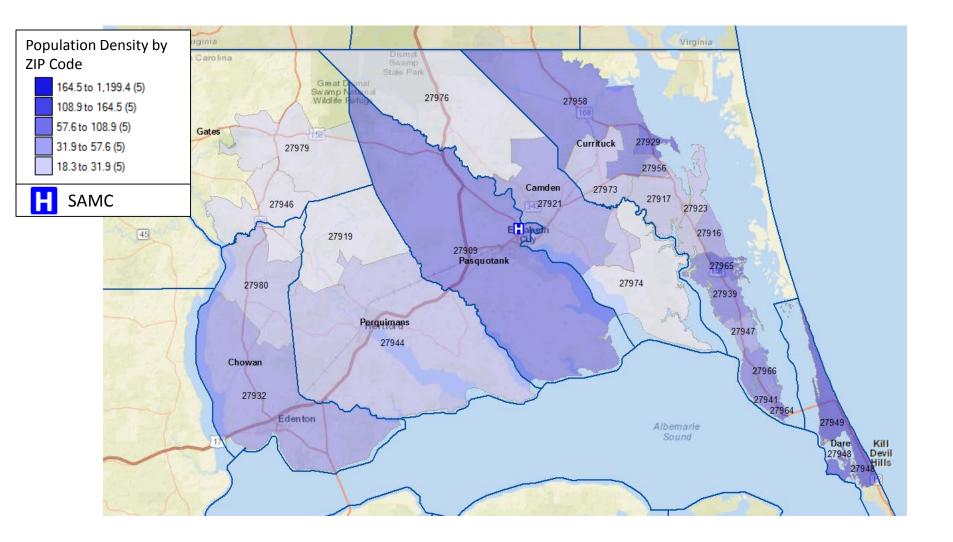
Race & Ethnicity by ZIP

			Total	Рор	Ē				
				•	% White	% Black	%	% Asian	% Other
City/County	Zip Code	Zip City	2016	2021	NonHisp	NonHisp	Hispanic	NonHisp	NonHisp
Pasquotank	27909	Elizabeth City	39,241	38,991	54.4%	36.7%	4.8%	1.5%	2.7%
Currituck	27916	Aydlett	830	908	94.6%	2.7%	1.4%	0.6%	0.7%
Currituck	27917	Barco	983	989	79.9%	11.2%	6.3%	0.4%	2.2%
Perquimans	27919	Belvidere	1,206	1,204	78.4%	17.7%	2.3%	0.2%	1.3%
Camden	27921	Camden	4,970	5,217	81.0%	12.0%	2.5%	1.7%	2.7%
Currituck	27923	Coinjock	720	768	89.9%	5.4%	3.1%	0.4%	1.3%
Currituck	27929	Currituck	1,338	1,436	92.1%	1.7%	3.2%	0.7%	2.2%
Chowan	27932	Edenton	12,648	12,737	59.5%	35.1%	3.0%	0.8%	1.6%
Currituck	27939	Grandy	2,499	2,712	89.8%	3.8%	3.4%	0.4%	2.6%
Currituck	27941	Harbinger	805	847	86.0%	7.5%	3.2%	0.4%	3.0%
Perquimans	27944	Hertford	12,206	12,532	70.5%	24.5%	2.6%	0.5%	1.9%
Gates	27946	Hobbsville	1,097	1,071	56.7%	38.3%	1.9%	0.6%	2.5%
Currituck	27947	Jarvisburg	707	734	84.0%	9.1%	4.0%	0.1%	2.8%
Dare	27948	Kill Devil Hills	11,568	12,182	87.5%	1.3%	7.9%	1.1%	2.2%
Dare	27949	Kitty Hawk	7,086	7,257	94.8%	0.7%	2.3%	0.8%	1.4%
Currituck	27956	Maple	296	299	81.8%	10.1%	5.1%	0.7%	2.4%
Currituck	27958	Moyock	11,098	11,984	85.5%	6.5%	4.3%	1.0%	2.7%
Currituck	27964	Point Harbor	541	554	82.1%	10.9%	4.3%	0.2%	2.6%
Currituck	27965	Poplar Branch	1,070	1,172	92.1%	2.7%	2.9%	0.5%	1.9%
Currituck	27966	Powells Point	1,021	1,040	81.2%	11.8%	4.3%	0.1%	2.6%
Currituck	27973	Shawboro	1,550	1,561	82.5%	9.9%	3.6%	1.7%	2.3%
Camden	27974	Shiloh	1,197	1,220	81.7%	5.4%	2.4%	8.8%	1.7%
Camden	27976	South Mills	3,676	3,859	74.9%	16.1%	3.4%	2.1%	3.6%
Gates	27979	Sunbury	1,651	1,612	59.5%	35.7%	2.1%	0.2%	2.4%
Chowan	27980	Tyner	2,008	2,031	66.5%	26.6%	4.2%	0.6%	2.0%
Total SAMC Service A	rea		122,012	124,917	70.6%	21.8%	4.1%	1.2%	2.3%
North Carolina			10,089,413	10,586,960	63.5%	21.3%	9.3%	2.7%	3.2%
USA			322,431,073	334,341,965	61.3%	12.3%	17.8%	5.4%	3.1% ¹⁰

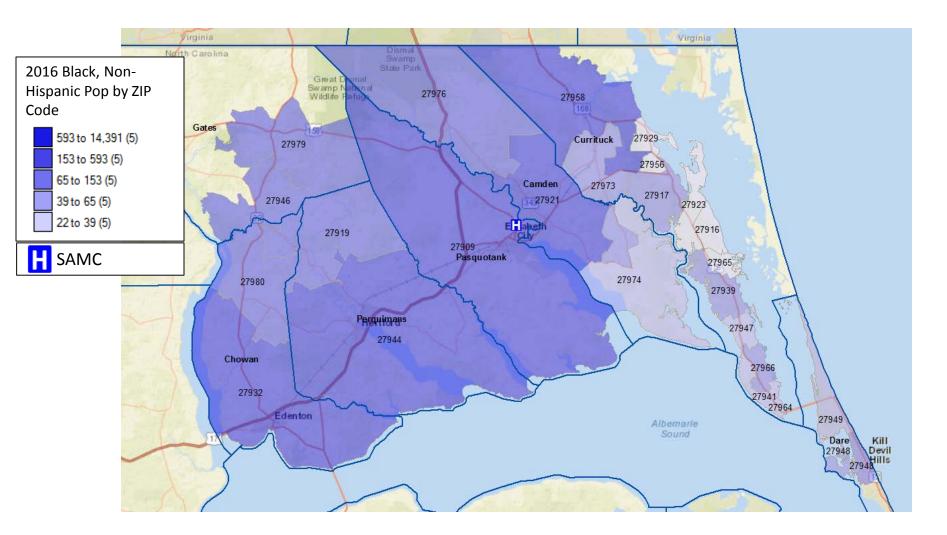
2016 Total Population by ZIP Code



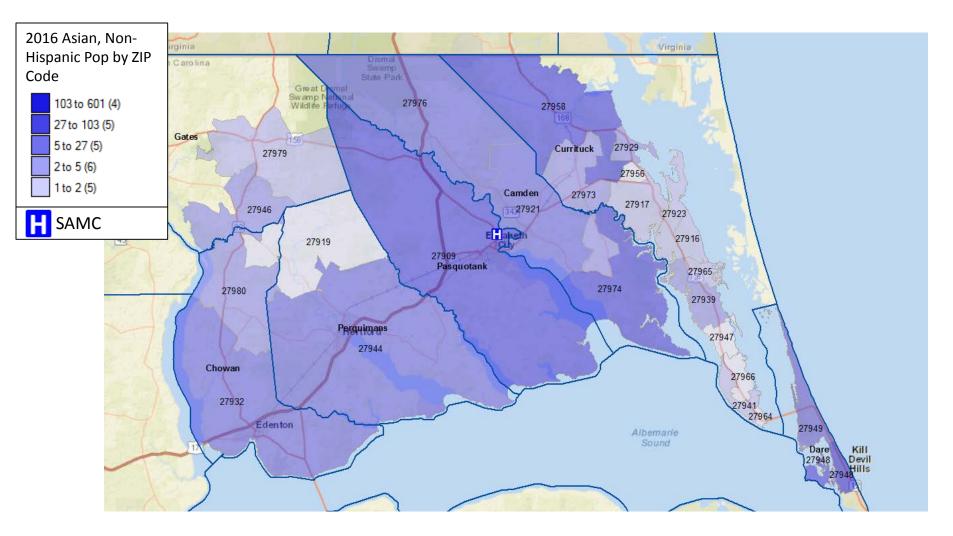
2016 Population Density by ZIP Code



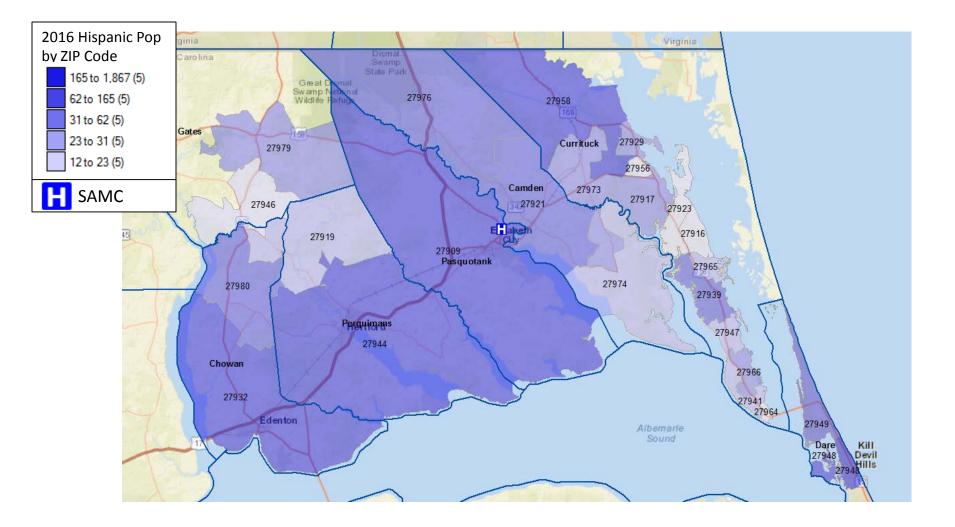
2016 Black, Non-Hispanic Population by ZIP Code



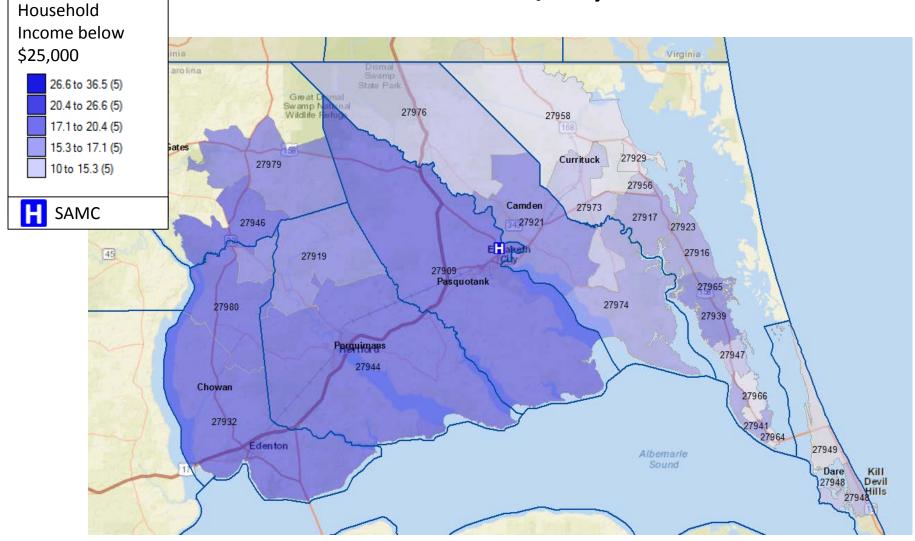
2016 Asian, Non-Hispanic Population by ZIP Code



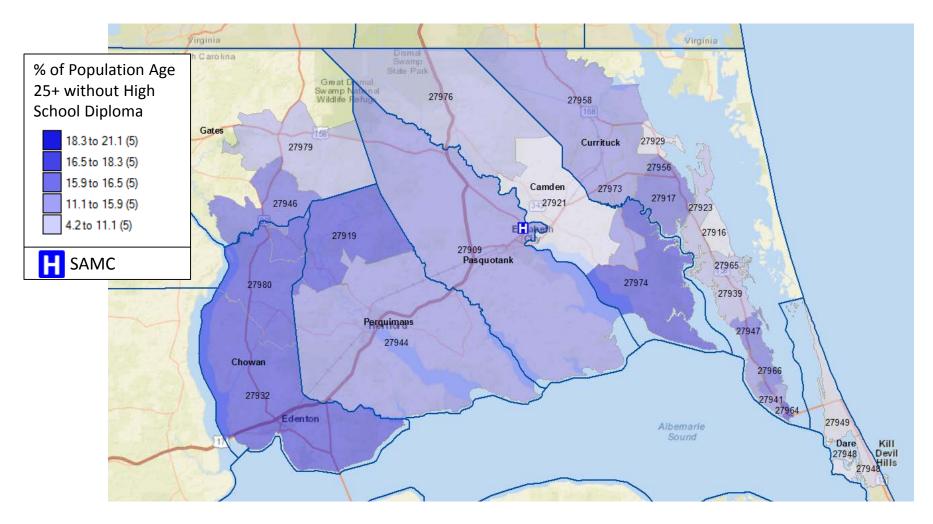
2016 Hispanic Population by ZIP Code



2016 % of Households with Income below \$25,000



2016 % of Population Age 25+ without a High School Diploma



ZIP Codes Included in SAMC Service Area

ZIP	City/County	ZIP Common Name
27909	Pasquotank	Elizabeth City
27916	Currituck	Aydlett
27917	Currituck	Barco
27919	Perquimans	Belvidere
27921	Camden	Camden
27923	Currituck	Coinjock
27929	Currituck	Currituck
27932	Chowan	Edenton
27939	Currituck	Grandy
27941	Currituck	Harbinger
27944	Perquimans	Hertford
27946	Gates	Hobbsville
27947	Currituck	Jarvisburg
27948	Dare	Kill Devil Hills
27949	Dare	Kitty Hawk
27956	Currituck	Maple
27958	Currituck	Moyock
27964	Currituck	Point Harbor
27965	Currituck	Poplar Branch
27966	Currituck	Powells Point
27973	Currituck	Shawboro
27974	Camden	Shiloh
27976	Camden	South Mills
27979	Gates	Sunbury
27980	Chowan	Tyner

Sentara Albemarle Medical Center (SAMC) 2016 Community Health Needs Assessment

Health Status Indicator Analysis Summary

To access full primary and secondary data reports for each county, please visit www.arhs-nc.org/community-health-assessments/

Health Insurance (% of Uninsured by Age Group)

Location	2011			2012			2013		
Location	0-18	19-64	0-64	0-18	19-64	0-64	0-18	19-64	0-64
Pasquotank County	7.2	21.7	17.6	7.0	23.0	18.5	6.0	21.4	17.1
Perquimans County	8.5	21.1	17.8	9.2	21.8	18.5	7.3	20.7	17.1
Gates County	8.4	19.9	16.6	8.3	20.3	17.1	8.0	19.9	16.7
Currituck County	9.8	20.8	17.7	8.6	21.3	17.9	8.8	21.0	17.8
Camden County	9.0	18.8	15.9	8.8	18.3	15.5	8.6	18.7	15.7
Regional Average	8.2	21.0	17.4	8.0	21.2	17.6	7.4	20.7	17.1
State of NC	7.9	23.0	18.7	7.9	23.4	19.0	6.9	22.5	18.1

Medicaid Eligibility

	Eligible for Medicaid, 2014	Children eligible for NC Health Choice Enrolled, 2013	Eligible for Carolina ACCESS Enrolled, 2013
Pasquotank	21%	92%	91%
Perquimans	19%	95%	88%
Gates	17%	61%	87%
Currituck	11%	75%	85%
Camden	9%	85%	81%

Source: NC Division of Medical Assistance

See county-level Sociodemographic Data Workbook for details on Medicaid Eligibility, NC Health Choice and Carolina ACCESS.

Health Rankings

According to America's Health Rankings (2015), NC ranked 31st overall out of 50 (where 1 is "best")

According to *County Health Rankings* (2016) for NC:

	Pasquotank	Perquimans	Gates	Currituck	Camden
Health Outcomes	44 th	53 rd	26 th	10 th	4 th
Length of Life	34 th	53 rd	11 th	29 th	6 th
Quality of Life	68 th	50 th	55 th	1 st	4 th
Health Factors	49 th	42 nd	45 th	19 th	4 th
Health Behaviors	67 th	34 th	56 th	25 th	7 th
Clinical Care	34 th	38 th	79 th	67 th	53 rd
Social/Economic Factors	68 th	59 th	22 nd	11 th	2 nd
Physical Environment	16 th	17 th	30 th	23 rd	22 nd

Life Expectancy

		Life Expectancy in Years								
		Person B	Born in 1	.990-199)2		Person	Born 20	012-2014	4
			_		African-					African-
	Overall	Male	Female	White	American	Overall	Male	Female	White	American
Pasquotank	74.1	69.6	78.4	75.5	71.8	77.5	76.0	78.9	78.4	75.9
Perquimans	74.6	69.6	80.2	74.8	74.3	78.6	75.1	82.5	79.9	75.0
Gates	73.1	71.0	75.1	75.4	69.9	79.4	76.8	82.1	78.6	80.6
Currituck	73.1	69.9	76.7	74.4	62.9	77.2	74.7	79.8	77.3	76.4
Camden	75.8	71.6	80.5	77.5	71.0	80.3	77.7	83.2	81.2	75.5
Regional Average	73.7	69.8	77.7	75.1	70.3	78.3	75.8	81.0	79.0	76.5
State of NC	74.9									

Leading Causes of Death: Overall

	#1 - Di	seases of th	e Heart	#	2 Total Canc	er
			Rate			Rate
		Mortality	Difference		Mortality	Difference
	# of Deaths	Rate	from NC	# of Deaths	Rate	from NC
Pasquotank	521	226.3	36.4%	464	201.2	17.1%
Perquimans	198	194.5	17.2%	168	155.3	-9.6%
Gates	125	170.8	3.0%	128	165.4	-3.7%
Currituck	246	199.4	20.2%	264	197.8	15.1%
Camden	95	187.8	13.2%	89	154.8	-9.9%

Note: mortality rate is calculated per county population

Mental Health

	Year	No. Emergency Department Discharges	No. In-Patient Hospitalization Discharges
Decquetank	2013	602 (2.3% of all ED discharges)	112 (3.4% of all IP discharges)
Pasquotank	2014	583 (2.2%)	77 (2.3%)
Derguimanc	2013	164 (2.3% of all ED discharges)	23 (2.2% of all IP discharges)
Perquimans	2014	179 (2.4%)	27 (2.6%)
Catao	2013	76 (3.1% of all ED discharges)	33 (7.8% of all IP discharges)
Gates	2014	108 (4.6%)	44 (10.0%)
Curritual	2013	213 (4.1% of all ED discharges)	26 (3.8% of all IP discharges)
Currituck	2014	177 (3.5%)	32 (4.1%)
Camdan	2013	70 (2.0% of all ED discharges)	5 (1.0% of all IP discharges)
Camden	2014	85 (2.5%)	1 (0.2%)

Source: NC Office of State Budget and Management

Sentara Albemarle Medical Center (SAMC) 2016 Community Health Needs Assessment

Community Insight

Community Insight

In addition to the online Community Stakeholder Survey for community insight, Sentara Albemarle Medical Center carried out a series of more in-depth Community Focus Groups to obtain greater insight from diverse stakeholders.

Focus groups were often drawn from existing community groups or sought from other populations in the community, including representatives of underserved communities and consumers of services. The questions below were utilized at each focus group sessions.

- Tell us what you think is the best thing about living in this community?
- What do people in this community do to stay healthy?
- In your opinion, what are the serious health-related problems in your community?
- What keeps people in your community from being healthy?
- What could be done to solve these problems?
- Have you or someone close to you ever experienced any challenges in trying to get healthcare services? If so, what happened?
- Are there any home remedies you use in place of traditional healthcare and/or medicine?
- What are the strengths related to health in your community?
- Cancer and heart disease are the leading causes of death in your county. In your opinion, what makes these the leading causes of death in your county?
- How does living in a rural area affect health?

There were 10 focus group sessions held in each county throughout the year of 2015. The number of participants ranged from 3-15.

The focus groups were conducted by the hospital and health department personnel who were trained to lead the discussions.

Community Focus Group Sessions

There were 10 focus group sessions held in each county throughout the year of 2015. The number of participants ranged from 3-15.

The focus groups were conducted by the hospital and health department personnel who were trained to lead the discussions.

Camden Senior Center	Sawyer's Creek Baptist Church	Camden Senior Center	Camden Open Door Church	Ebenezer Baptist Church
South Mills Fire Department	Sleepy Hollow Neighborhood	Camden Library	Grandy Primary Media Center	Camden County Schools
Knotts Island Senior Center	Currituck Cooperative Extension	Currituck Chamber of Commerce	NAACP	Shawboro Ruritan Club
Barco Senior Center	Powells Point Senior Center	Currituck County YMCA	Currituck County Schools	Currituck Parks and Recreation
Gates County School System	Gates Partners For Health Board	Eure Christian Women's Club	Cancer Support Group	Gatesville Ruritan Club
Gates Department of Social Services Staff	Hall Ruritan Club	Sandy Cross Baptist Church	First Baptist Roduco	Merchants Millpond State Park Staff
Perquimans Board of Education	Perquimans Health Department	Hertford United Methodist Church	Perquimans Senior Center	Albemarle Plantation
New Bethel Missionary Baptist Church	Snug Harbor	Perquimans County Library	Gregory & Associates	Perquimans County Employees
Community Care Clinic	Knobbs Creek Senior Center	PORT Human Services	Memorial Missionary Church	Pasquotank/Camden EMS
College of the Albemarle	City Road Methodist	EC Downtown Business	Elizabeth City State University	Hugh Cale Center

Торіс	Key Findings	
Q1: Tell us what you think is the best thing about living in this community?	 Sense of community Physical environment Strong church presence Low crime, little traffic Low cost of living 	 Good local school system Safe environment Rural landscape Close to other desirable areas History of the community Quality of life
Q2: What do people in this community do to stay healthy?	 Physical activity Youth recreational sports Programs at senior center and YMCA Fresh produce Utilize local health resources Gates County Community Center Sponsored health events Preventative care (annual check- ups, dental care) 	 Physical education in schools People grow their own produce/utilize farmers markets Zumba classes Nutrition classes School system promotes exercise Healthy eating habits Preventative healthcare Monitor salt intake

Торіс	Key Findings	
Q3: In your	Poor nutrition	Obesity
opinion, what are	Diabetes	High blood pressure
the serious health-	Heart disease	High cholesterol
related problems in	Cancer	Tobacco use
your community?	Asthma	Substance Abuse
	Joint pain	Body pain
	Arthritis	• Poverty
	Stress	Availability of doctors
	Depression	Lack of sidewalks
	Substance Abuse	• Suicide
	Alzheimer's/Dementia	Allergies
	Health related apathy	• ADHD
	Stroke	• COPD
Q4: What keeps	 Healthy food access and poor eating 	 Lack of knowledge about healthy
people in your	habits	behaviors and available resources
community from	Lack of healthcare facilities	 Lack of motivation to be healthy
being healthy?	Lack of transportation	• Lack of time to prepare healthy meals
	Technology overindulgence	Portion control
	• Hormones, chemicals, antibiotics, and preservatives in our food	Cultural foods (southern fried foods)

Торіс	Key Findings	
Q5: What could be done to solve these problems?	 Additional transportation services Increased community collaboration Health-related education in schools and healthier food choices Increased education More opportunities to be active A grocery store in Gates County Teach financial literacy 	 Increase number of local healthcare providers Provide children with more opportunities to be active Healthier lunch choices at school Healthcare providers need to strengthen relationship with the community Need more medical providers, dentists especially Increased employment opportunities with benefits
Q6: Have you or someone close to you ever experienced any challenges in trying to get healthcare services? If so, what happened?	 Too few doctors, specialists, 24-hour pharmacies Community travels to VA for care Lack of transportation Dissatisfaction with local doctors Difficult to establish medical home Poor communication between provider and patient 	 Lack of health insurance Long wait times for medical care High costs Lack of resources for children with special needs Physician turnover Understaffed EMS

Τορίς	Key Findings	
Topic Q7: Are there any home remedies you use in place of traditional healthcare and/or medicine?	 Key Findings Vicks VapoRub – congestion, toe fungus Bar of soap – cramps Kerosene – sore throat, head lice, congestion Tobacco – bee stings Epsom salt – inflammation Horse Liniment – joints Warm salt water – sore throat Cranberry juice – kidney infection Black tea – pink eye Fennel tea – Indigestion Alcohol – sore joints Menthol – colds Baking soda/salt water or oatmeal– eczema, sore throat Deodorant – bug bites, itching Urine – ear problems Garlic – blood pressure, foot fungus Sugar – hiccups Coconut oil – chest cold, restless leg syndrome Beech tree leaves – diabetes Turmeric – arthritis Saline solution – allergies Coffee – digestion 	 Potatoes – boils Iodine – sore throat Baking soda – heart burn Cherry Juice – arthritis Yogurt – upset stomach Bourbon, lemon, honey – cough or sore throat Vinegar – blood pressure, bee stings Bacon – cuts Raw onion – warts, sore throat, ear infections Salve – skin cracks Local honey – allergies Castor oil & baking soda – warts Cloves – toothaches Nail polish – red bugs/chiggers Essential oils – various/everything Milk and bread – skin infections Rubbing alcohol – fever Apple cider vinegar – blood pressure Lemon – heartburn Mustard – muscle cramps Wine – upset stomach Fish oil – joint health and cholesterol Sweet oil – ear aches Bar of soap – leg cramps
	 Turmeric – arthritis Saline solution – allergies 	• Fish oil – joint health and cholesterol

Торіс	Key Findings	
Q8: What are the strengths related to health in your community?	 Access to outdoor activities Access to fresh produce from home gardens and farmers markets Fresh air, less pollution Gates County Community Center Food Bank Gates County Volunteer Fire Department Hospital EMS (although under resourced) Senior Centers Transportation services 	 Local health-related facilities and programs Overall sense of community The people Gates County Medical Center Merchants Millpond State Park Gates Partners for Health Community health screenings 5K races Health education talks Health Departments
Q9: Cancer and heart disease are the leading cause of death in your county. In your opinion, what makes these the leading causes of death in your county?	 Exposure to harmful substances in food and farming Sedentary lifestyle (Overindulgence in technology) Genetics Ignoring health problems 	 Unhealthy lifestyle habits Lack of healthcare resources and information Diet Gates County poor proximity to emergency services

Торіс	Key Findings	
Q10: How does	Benefits:	Weaknesses:
living in a rural	Favorable climate	Limited transportation options
area affect	Access to outdoor activities	Hard to attract physicians to area
health?	Limited number of fast food	Lack of sidewalks and safe places
	restaurants	to walk
	Locally grown foods	Limited healthcare resources
	Less pollution	Poverty
	Slower pace of life	Lack of programs for physical
	Less stress	activity
	Strong community support	Lack of representation to get
	Proximity to water	resources
	Healthcare providers know	Fewer funding sources for
	patients personally	programs
	Strong church community	

Resources

- Data sources are cited rudimentarily among these slides, but are thoroughly cited in the County Health Department supporting Data Workbooks.
- Most secondary data originated from authoritative sources in the public domain NC Center for Health Statistics
 - US Census Bureau
 - NC Office of State Budget and Management
 - NC Department of Commerce and NC Department of Revenue
 - NC Employment Security Commission
- Most data for the target county is compared to the average of data for the seven counties in the ARHS Region, and to data for North Carolina as a whole.
- All secondary data were mined at a point in time in the recent past, and may not represent present circumstances. That is, numbers, entity names, program titles, etc. that appear in the data may no longer be current.
- Please note: Bold typeface indicates the higher value of a pair, or the highest value among several.

V. APPENDIX

An evaluation of the progress toward the implementation strategies is included in the following pages.

Sentara Community Health Needs Assessment Implementation Strategy

Jan-Dec 2015 Progress Report

Hospital: Sentara Albemarle Medical Center

Quarter (please indicate): □First Quarter □Second Quarter □Third Quarter ✓Year End

In support of Sentara's 2014 goal to "demonstrate community benefit in the communities we serve", Sentara will measure the progress toward the community health needs assessment implementation strategies selected by each hospital on a quarterly basis.

To complete this quarterly progress report, the health problems and implementation strategies can be pasted into this document from the hospital's existing Three Year Implementation Strategy document. The quarterly progress should be identified in the third column below.

The quarterly report should include only key actions taken during the quarter; the report does not need to include all activities. Where possible the actions should be quantified, with outcomes measurements if available.

Reports should be emailed to Deb Anderson at <u>dkanders@sentara.com</u> within 15 days of the close of each quarter.

Health Problem	Three Year Implementation Strategies	Progress
Chronic Disease Prevention and Treatment	Strategies to address multiple health problems include: A) Collaborate with local partners to conduct programming for chronic disease (heart disease, diabetes, and cancer). This programming includes community-based health screenings, health education, support groups, and promotion of chronic disease self-management programs. B) Organize events during the months when chronic disease prevention is promoted from a national level (i.e. National Diabetes Month in November).	 A) Serve on Healthy Carolinians task force; Host monthly DEAL with Diabetes education and support group serving 10-15 people per month; Conducted the Sweet Life Diabetes prevention six week program April-May including education on reading food labels, making healthy choices, and meal planning. B) We conducted asthma camp for twenty 7-9 year
	disease prevention is promoted from a national level (i.e.	

Health Problem	Three Year Implementation Strategies	Progress
	 C) Provide and promote early cancer detection services (digital mammography, colonoscopy, nurse navigator program). D) Participate in local charity events to help combat chronic disease, such as Relay for Life or "Passport to Fitness" events. E) Continue to provide "Health and Beauty" blood pressure program for select local beauty salons and barber shops. 	 manage their asthma while enjoying many activities children without asthma enjoy effortlessly. C)Breast cancer awareness posters placed throughout facility during month of October. D) Supported with Kids First Turkey Trot and participated and supported Walk for Hunger, March for Babies, and Color Run E) Blood pressure machines and materials are placed in local beauty salons and barber shops to raise awareness of high blood pressure.
Lifestyle Modification	 A) Provide programming for nutrition and exercise to promote healthy lifestyles. This programming includes community-based health screenings, health education, and support groups. B) Partner with community agencies to promote current community based self-management programs such as "Eat Smart, Move More, Weigh Less." C) Provide and participate in health fair to promote healthy lifestyles. D) Collaborate with churches to program programs to address inactivity, nutrition, and/or substance abuse. E) Promote telepsychiatry to help combat substance abuse/mental health. 	 A/C) Provided screening and health counseling at more than 8 facilities/health fairs throughout the region reaching nearly 200 people. B) Helped to promote Passport to Fitness to support active families C) Participated in D) Provided church program to educate on the importance of diet and exercise. Thirty people were in attendance. E) Continue to offer telepyschiatry in our ED
Lack of Medical Home	 A) Promote the physician referral line through newspaper advertising, billboards, and publications. B) Utilize case management and transitional care nurse to help patients navigate the health system. C) Conduct community health education programs to share the importance of a medical home. D) Continue physician recruitment efforts for a primary care physician. 	 A) Transitioned physician referral line to 800-Sentara in October B) Case management maintains a community resource list to ensure patients get available area resources C) Provided a community education session on primary and continuity of care D) Nine new providers were recruited in 2015, 6 of which are primary care. Physicians continue to be promoted through physician referral line, 800-Sentara.