

Northampton County
2014 Community Health Assessment



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A culturally sensitive health organization providing quality services yielding improved health outcomes.



Northampton Cultural and Wellness Center
Built in 2008, with the mission of making culture and wellness accessible
to all citizens in Northampton County.

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Northampton County Public Schools
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Halifax Regional Medical Center
Town of Conway
Town of Rich Square
Town of Woodland
Town of Seaboard
Town of Jackson
Town of Garysburg
Town of Gaston
Town of Severn
Roanoke Valley Community Health Initiative
Roanoke Valley Breast Cancer Coalition
Northampton Healthy Carolinians Task Force
Northampton County Ministers Council
Upper Cuts Barber Shop
Mayos Barber Shop
Tina's Child Care
A & J Kiddie Land
Bowers Learning Center
Creative Minds Learning Center
Faith Based Communities in Northampton County

Executive Summary

This document serves as Northampton County's 2014 Community Health Assessment. The role of The Community Health Assessment is to identify factors that affect the health and safety of county residents and determine the availability of resources within the community to adequately address these factors. This document will reveal the needs and concerns affecting health in Northampton County. These revelations will be through the eyes of Northampton's citizens.

Northampton's citizens took the lead in this assessment by ensuring that the collection of data is a reflection of all citizens in Northampton County. Through collaborative efforts among faith leaders, community leaders, medical communities, and area agencies, the citizens of Northampton County answered questions from a health opinion survey regarding issues that affect Northampton County. The issues that are addressed in the survey opinion are:

- Quality of life in Northampton County
- Community Improvements
- Health Information
- Personal Health
- Access to Care/Family Health
- Emergency Preparedness
- Demographics

Northampton County is comprised of thirteen zip codes with sixteen townships. Through partnerships with ten government agencies, one hospital, one school system, eight town halls, four community-based organizations, two businesses, four child care centers and numerous faith based communities, residents in Northampton County completed three hundred and thirty-five surveys.

Utilizing these partnerships for distribution and collection of surveys, consensus of data, and consideration for feasibility, realism and magnitude of populations impacted by the issues, health priorities to address for the next four years were identified.

This document will provide current (primary) and historical (secondary) data on issues affecting Northampton County. The findings in the document will be presented to Northampton's County Commissioners and Northampton's Board of Health. The findings will also be shared in community meetings and settings and with faith based organizations in addition to being made available on the Health Department's website: **www.northamptonhd.com**.

Northampton Healthy Carolinians Task Force and Northampton County Health Department will be a main entity in formulating plans to address the issues that the community has identified. Action plans will be developed in alignment with 2020 health objectives. The action plans will identify organizations that will provide collaborative efforts and services to address the priorities.

BACKGROUND

A Community Health Assessment is the foundation for improving and promoting the health of county residents. Community Health Assessments are conducted every 4 years. The role of the assessment is to identify factors that affect the health and safety of its citizens and determine the availability of resources within that community to address those issues. They are also required by the general statute of North Carolina as a part of the local health department's accreditation process.

The Community Health Assessment is a collaboration between health agencies, businesses, hospitals, private practitioners, community partners, the faith community or anyone in the county with an interest in improving the health and safety of their community. The assessment helps local health providers and agencies to know what issues the community has identified as important to them.

The Community Health assessment is an eight phase process:

- | | |
|---------|---|
| Phase 1 | Establish a Team (Healthy Carolinians) |
| Phase 2 | Primary Data (Health Opinion Survey) |
| Phase 3 | Collect Secondary Data (Data From Other Agencies) |
| Phase 4 | Analyze/ Compare Data From Phase 2 and 3 |
| Phase 5 | The CHA Team Will Determine The Health/Safety Issues To Be Addressed. |
| Phase 6 | Create The Document |
| Phase 7 | Present The Document To The Community |
| Phase 8 | Develop Action Plans To Address The Issues |

During interim years after the Community Health Assessment, State of The County Health Reports (SOTCH) are conducted. The SOTCH report demonstrates that local health departments are tracking priority issues identified in the community health assessment, emerging issues and identify any new issues.

Historical

Northampton County is located in northeastern North Carolina astride the State's Coastal Plain and Piedmont Regions. It is bordered to the north by the State of Virginia and is surrounded by the North Carolina counties of Halifax, Bertie, Warren and Hertford. The Roanoke River determines the southwest border of Northampton following its flow from the Roanoke Rapids Lake in the northwestern corner of the County. The Meherrin River marks the northeastern border.

Northampton County was formed from a section of Bertie County in 1741. It was named in honor of James Crompton, Earl of Northampton, an English nobleman. The first courthouse was built in 1742 and was known as Northampton County Courthouse.

The County seat of Jackson was incorporated in 1823 and was named after former president Andrew Jackson. The town of Jackson is located 90 miles northeast of Raleigh, 50 miles north of Rocky Mount, 90 miles southwest of Norfolk, Virginia and 200 miles south of Washington, DC. The present land area is 536 square miles. It is an extremely fertile area along the Roanoke River with cotton, corn, soybeans, and peanuts being its principal crops.



Northampton County Court House Southwest Corner Completed in 1831.
Oldest Surviving Building in Jackson

Geographic's

Northampton County is located in Northeastern North Carolina. The county is located 90 miles northeast of Raleigh, the state capital and 50 miles north of Rocky Mount, North Carolina. With Virginia to its Northern Border, Northampton County lies 90 miles southwest of Norfolk, Virginia and 200 Miles South of Washington, DC.

Northampton County is excellently situated with respect to highways; Interstate 95, the nation's major north-south thoroughfare on the eastern coast, bisects the county. Highways 158, 258 and 301 are the three U. S. primary routes that cross Northampton County.

CSX railroad offers freight and piggy back services in the County along three main tracks. Commercial air service is available at Pitt-Greenville airport (65 miles south and east of Northampton County). Raleigh-Durham International Airport is located 90 miles west of Northampton County. Norfolk International Airport is located 90 miles north and east of Northampton County. In addition two municipal airports serve Northampton County; one located in Northampton County (Woodland) and one located in neighboring Halifax County (Roanoke Rapids). Deep Water Complex at Hampton Roads Virginia is located 90 miles north east of Northampton County. The Chowan River (30 miles east of Northampton County supports bulk shipping traffic via the Albemarle Sound Ports in North Carolina and Virginia. County wide parcel service is provided via United Parcel Services.



Roanoke River

The Roanoke River runs northwest to southwest along the southern border of the county

Health Data Collection Process

In July of 2014 Healthy Carolinians Task Force Members were informed that Northampton County is due to conduct their Community Health Assessment. Members were informed that five hundred surveys would be distributed in the community. Surveys would be distributed and collected in all zip codes in Northampton County to ensure the assessment is an adequate reflection of Northampton's population. Surveys were collected and distributed at Healthy Carolinians meeting.

In August and September of 2014 local newspapers published articles informing Northampton's citizens that the Health Department will use a Community Health Opinion Survey to conduct a Community Health Assessment. They were also made aware that the surveys would be distributed in communities throughout the county and would also be available on the Health Department website: www.northamptonhd.com. Citizens were reminded of the priorities they identified in 2010 Community Health Assessment as health issues: Cancer - Breast and Prostate, Physical Activity and Nutrition, Substance Abuse- Tobacco.

Five hundred surveys were distributed in the Northampton Community. Surveys were distributed in town halls, high schools, local agencies, organizations, job fairs, health fairs, and in faith communities.

In January 2015 three hundred thirty-five (335) had been collected. Data entry and analysis began. In February 2015 the assessment team gathered to select priorities. The team was asked to consider magnitude of problem, seriousness's of consequences and feasibility for correcting the problem as the method to use when selecting priorities. They were given leading causes of death in Northampton County and North Carolina. They were also provided with demographics of Northampton County and North Carolina. They received the count of the total number surveys distributed and collected with a demographic break down of race and gender including survey responses regarding levels of education and household incomes. Also provided were responses on The Quality of Life Statements, Community Improvements, Health Information and Personal Health. The ten health issues identified by citizens were provided to members. The issues identified were:

- Anxiety/Depression
- Asthma
- Cancer
- Diabetes
- Heart Disease
- High Blood Pressure
- High Cholesterol
- Nutrition
- Overweight/Obesity
- Substance Abuse

These issues were identified based on citizen's responses to questions around personal health, and the ten leading causes of death in Northampton County according to the State Center for Health Statistics. The results are as follows:

Question - Have you ever been told by a health professional that you have any of the following health conditions. The yes responses were as follows:

Asthma 22%
Depression 28%
High Blood Pressure 64%
High Cholesterol 48%
Diabetes 22%
Over weight/ Obesity 36%
Anxiety/Depression 28%
Cancer 10%

Question - Have you been exposed to second hand smoke in the past year? Fifty three percent of respondents said yes to this question.

Question - Where were you exposed to second hand smoke most often? Forty nine percent indicated they are exposed at home. Ten percent of the population indicated they have been told they have cancer. From 1996 – 2010 the incidence of breast cancer in Northampton County has increased by 7.3%. During the same time period the incidence of prostate cancer in Northampton County has increased by 43.8%.

To determine the health initiatives for the next four years board members used magnitude of problem and seriousness of the consequences of correcting three of the ten issues identified. Board members discussed the causes of diabetes, heart disease, high cholesterol, overweight/obesity and anxiety/depression and determined that Physical Activity and Nutrition is a means of feasibility to positively impacting these issues. Decreasing Tobacco use is most feasible in affecting asthma and substance abuse. Cancer continues to be the second leading cause of death Northampton County. The incidence of Prostate Cancer is higher than the incidence for the state for 2006 – 2010. The incidence of Breast Cancer in Northampton County increased from 2006 – 2010. The feasibility of impacting these issues is through on-going education and screenings.

Northampton's Health Issues for the Next Four years are:

Physical Activity and Nutrition
Tobacco
Cancer- Breast and Prostate

Health Data Results

Residents of Northampton County agree that Northampton County:

is a good place to raise children-- 31%; is a safe place to live--33%, a good place grow old--29%, and agree that there is good health care in Northampton County--31%. However only 10 % agree there is plenty of economic opportunity in Northampton County. The one service that needs the most improvement In Northampton County is availability of employment--17% and higher paying employment--18%. The best way to get health information in communities is through word of mouth--22.12% and health fairs--22.43%. Seventy-one percent responded yes they are eating more fruit and vegetables; and 60% responded yes to participation in physical activity based on health information they have received in the last two years. The health behavior people in the community need more information about is eating well/nutrition. Most health information received from doctor or nurse--41%. The health topic children in Northampton County need more information about is nutrition--29% and peer pressure--30%. Forty percent of residents feel they are in good health. Sixty-three percent responded no to feeling sad or worried in the past thirty days, while 38% responded yes to physical pain or health problems that made it hard to do their usual activities. Sixty-four percent indicated they participate in physical activity home. Eighteen percent responded they don't have time. Fifty percent responded yes to having a seasonal flu shot. The hours of operation at the health department are satisfactory to 84% of the respondents and the services received at the health department were satisfactory to 61% of the respondents. Twenty-one percent of respondents indicated they have private insurance from an employer or their workplace. Seventy-five percent indicated they have not had any problems getting the health care they needed; 36% indicated they had trouble getting health care from an eye doctor, 33% general PR actioner, and 27% dentist. Lack of insurance was the problem for 31% of respondents; 61% of residents have smoke detectors, 17% have both smoke and carbon monoxide detectors. Forty-nine percent of families do not have a basic emergency kit. In the event of a large scale disaster or emergency 76% of residents would evacuate. Eleven percent of respondents were between the ages of 15 – 19; 9% were between 20 -24; 7%, between 35 -39; 12% between 50 -54 and 9% between 65 -69.

Meaning of Analysis

African Americans and females make up the majority of Northampton's population. Some of its citizens agree that it is a good place to grow old, raise children, and that there is good health care in Northampton County. However, it has limited employment opportunities and the opportunities that are available are low paying. Citizens in Northampton County have a high rate of chronic diseases. Citizens who encountered problems getting the health care they needed indicated no health insurance as the main reason. Northampton's citizens have low levels of education attainment. The ages of 15-19 and 50 -54 were the highest responders to the surveys. This indicates a need for prevention and intervention of chronic diseases for 15 – 19 year olds and for 50 – 54 year olds as well as for those who are affected by the life styles and environments of these age groups.

Assessment Team

Venus Spruill	Rich Square Community/ Co Chair Healthy Carolinians Task Force
Clara Wilson	Seaboard Community/ Co Chair Healthy Carolinians Task Force
Rev Pamela Taylor	Severn Community Choanoke Area Development Association
Virginia McClary	Healthy Carolinians Coordinator/ Northampton County Health
Audrey Hardy	Halifax Regional Medical Center
Vanessa Wolgemuth	Halifax Regional Medical Center
Betty Macon	Northampton County Schools
Carol Turner	Northampton County Health
Tammy Vincent	Northampton Cooperative Extension
Ann Lawrence	Northampton Cooperative Extension
Patricia Peele	Rural Health Group
Duane Ashmon	Northampton Cultural and Wellness Center
Jasmine Hargrove	Jackson Community
Mable Williams	Garysburg Community

County Description

Demographic

Northampton's Population

Population	Northampton	North Carolina
Population estimate 2014	NA	9,943,964
Population estimates 2013	20,839	9,848,917
Population 2010 April 1 estimate base	22,098	9,535,471
Population Per Change April 1, 2010 to July 1, 2014	N/A	4.3%
Population Percent Change April 1 2010 to July 1 2013	-5.7%	3.3%
Population 2010	22,099	9,535,483
Persons under age 5 2013	5.1%	6.2%
Persons under 18 years 2013	19.4%	23.2%
Persons 65 and over 2013	22.3%	14.3%
Black or African American 2013	58.4%	22.0%
American Indian/Alaska Native 2013	0.6%	1.6%
Asian 2013	0.2%	2.6%
Hispanic or Latino 2013	2.0%	8.9%
White 2013	38.4%	64.4%
Females 2013	51.8%	51.3
High school graduate or higher persons age 25+ 2013	71.3%	84.5%
Bachelor's Degree or higher	8.7%	26.8%
Median house hold income 2008 – 2013	\$30,911	\$46,450
Persons below poverty level 2008 – 2012	26.5%	16.8%

United States Census 2010

Northampton's population decreased by 5.7% from 2010 – 2014. African Americans comprise the largest race in the county by 20% and the female population is 3.3% larger than the male population. Persons 65 years and older are 8 % higher in Northampton County than the state rate. High school graduation rates for Northampton County is 13.2% lower than the state rate and the poverty level for Northampton County is 9.7% higher than the state level. Persons living with a disability from 2009 – 2013 was 19.7%

Main Townships

Conway Township
Garysburg Township
Gaston Township
Henrico
Jackson Township
Lasker Township
Margaretsville
Pendleton
Pleasant Hill
Potecasi
Rich Square Township
Seaboard Township
Severn Township
Woodland Township

Northampton County Board of Commissioners

Robert Carter	Chairman
Fannie P. Green	Vice Chair
Joseph Barrett	
Chester Deloatch	
Virginia Spruill	

Northampton County Board of Health

Dr. William R Futrell, Pharm D	Chairman
Dr. Thomas Vinson	Vice Chair – Pharmacist Representative
Joseph Barrett	Commissioner Representative
Dr. Hannah Cooper	Veterinarian Representative
Dr. Raven Deloatch	Physician Representative
Mr. Scott Emory	Professional Engineer
Ruth Moody	Community Representative
Ben Moses	Community Representative
Deloris Purnell	Community Representative
Marion Mizell	Registered Nurse Representative
Dr. Mitch Taylor	Pharmacist Representative

**Social/
Economic/Environmental**

Median Household Income

In 2013 Dollars

2009 – 2013

North Carolina	\$46,334	Northampton County	\$31,453
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**Source: United States Census
2010 Quick Facts**

Persons in Poverty

North Carolina	17.9%	Northampton County	31.8%
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**Source: United States Census 2010
Quick Facts**

**Persons without Health Insurance
Under Age 65**

North Carolina	18.1%	Northampton County	17.3%
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**Source: United States Census 2010
Quick Facts**

Educational Attainment

**High School Graduate or Higher
Persons Age 25+ Years
2009 – 2013**

North Carolina	84.9%	Northampton County	72.9%
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**Source: United States
Census 2010 Quick Facts**

**Bachelor's Degree or
Higher Persons Age
25+ years 2009 – 2013**

North Carolina	27.3%	Northampton County	9.4%
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**Source: United States
Census 2010 Quick Facts**

North Carolina Civilian Labor Force Estimates

December 2014

Statewide	Labor Force	Unemployed	Rate	County	Labor Force	Unemployment Rate	
North Carolina	4,560,669	238,904	5.2%	Northampton	7,929	533	6.7%

North Carolina Department of Commerce; Labor & Economic Analysis Division; Local Area Unemployment Statistics

Free or Reduced Lunch North Carolina Department of Public Instruction Child Nutrition Services Free and Reduced Student Data by Site Public School Year to Date Data 2012 – 2013

Northampton County Schools

Site	Reduced Applications	Free Applications	Needy%	Grade Level
Central Elementary	22	263	100.00	Head Start – 4
Conway Middle	24	297	81.06	5 th – 8 th
Gaston Elementary	19	231	89.61	2 nd – 6 th
Northampton County Alternative School	2	22	100.00	K – 12 th
Northampton High East	50	392	84.35	9 th – 12 th
Squire Elementary	5	67	100.00	Head Start – 1 st
Willis Hare Elementary	16	262	96.53	Head Start – 4 th

North Carolina Department of public Instruction – Child Nutrition Services

Schools in Northampton County

Elementary	Middle	High	Alternative	Preparatory	Private
4	2	1	1	1	1

2012 – 2013 Dropout Rate

**Grades 1 – 13 by School, Gender Race/Ethnicity
In Northampton County**

School	Total	Male	Female	White	Black	Am. Indian	Hispanic	Pac. Islander	Multi- racial
Northampton County High East	9	4	5	<5	5	<5	<5	<5	<5
Conway Middle School	1	1	0	<5	<5	<5	<5	<5	<5
Northampton Alternative	7	6	1	0	7	0	0	0	0
Gaston College Preparatory	7	3	4	<5	5	<5	<5	<5	<5

SAT

**Performance by Students in North Carolina Public Schools
System and Schools 2012 – 2014
Northampton County**

School	Year	# Tested	% Tested	Score
Northampton High East	2012	44	50.6	1221
Gaston College Prep	2012	65	100.00	1369
Northampton High East	2013	58	47.9	1189
Gaston College Prep	2013	26	43.3	1197
Northampton High East	2014	53	47.3	1180
Gaston College Prep	2014	10	16.1	1429

Environmental

Air Quality

Indoor and Outdoor Air Quality

Air pollution in North Carolina makes people sick and cuts lives short. Air pollution triggers heart attacks and strokes. It causes diseases such as chronic bronchitis, asthma and lung cancer. It sends people to the emergency room with respiratory problems, causes asthma attacks, and contributes to respiratory illness in otherwise healthy people. At the root of all of these problems, air pollution irreparably damages lung tissues in ways similar to second-hand tobacco smoke.

Air pollution causes thousands of people to be admitted to area hospitals every year and increases the burden of chronic disease costs. • Air pollution leads to an estimated 6,000 hospital admissions for respiratory disease and 2,000 for cardiovascular disease annually. • In addition, air pollution causes approximately 1,500 new cases of asthma and 2,500 new cases of chronic bronchitis in adults every year. • Among asthmatics, soot pollution causes an estimated 200,000 asthma attacks annually, with an additional 200,000 caused by smog.

Every year, air pollution kills thousands of people in North Carolina. • Air pollution causes about 3,000 premature deaths in North Carolina annually, accounting for between 3 and 7 percent of all deaths not caused by violence or accidents.

Source: - North Carolina Department of Environment and Natural Resources

Water Quality

Northampton County has consistently been found to be of good quality for domestic and agricultural purposes. Problems in the county with respect to residential wells are generally the result of poor well construction, or older wells, generally of “bored” type construction. Poorly constructed wells routinely test positive for coliform bacteria. Wells built to modern well construction standards, especially of “drilled” type construction, generally yield high quality water.

Source: Environmental Services of Northampton County

TRANSPORTATION OPTIONS

Choanoke Public Transportation Authority provides transportation services to Northampton citizens for human services agencies, medical appointments, colleges, daycares, dialysis, Head Start, individual shopping trips and older American nutrition sites in addition to other service destinations. Services are provided Monday - Friday.

Source: Choanoke Public Transportation Authority

**Blood Lead
Surveillance Data, By County
2011 North Carolina Childhood**

Ages 1 and 2 Years Tested for Lead Poisoning

Ages 6 months to 6 Years

County	Target Population*	Number Tested	Percent Tested	Tested Among Medicaid**	Lead ≥10	Percent ≥	Number Tested	Confirmed	Confirmed
Northampton	427	318	74.5	91.3	1	0.3	378		

*Target population is based on the number of live births in 2009 and 2010

**Includes ages 9 – 11 months

North Carolina Childhood Blood Lead Surveillance Data - Prepared by Children's Environmental Health Unit Last Updated 9/12/13

**Leading Causes of Death
Northampton County 2013**

Race: All Gender: Both
Hispanic Origin: All (Hispanic, Non-Hispanic, and
Unknown) Age 0 – 99 years
Note Age 99 indicates age 99 years or older

Rank	Cause	Number	%
1	Diseases of heart	58	22.5
2	Cancer	49	19.0
3	Cerebrovascular diseases	18	7.0
4	Diabetes mellitus	16	6.2
5	Essential (primary) hypertension and hypertensive renal disease	11	4.3
6	Chronic lower respiratory diseases	10	3.9
7	Chronic liver disease and cirrhosis	7	2.7
	Nephritis, nephrotic syndrome and nephritis	7	2.7
9	All other unintentional injuries	5	1.9
	Alzheimer's disease	5	1.9
	In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	5	1.9
	Motor vehicle injuries	5	1.9
	Pneumonitis due to solids and liquids	5	1.9
	All other causes (Residual)	57	22.2
	Total Deaths – All Causes	258	100.0

Source: State Center for Health Statistics

In 2010 Cancer was the number one leading cause of death with a rate of 26.5%. Cancer in 2013 was the second leading cause of death with a rate of 19.0%. This is a decrease of 7.5%. Diseases of the heart was the second leading cause of death in 2010 with a rate of 26.1%. In 2013 diseases of the heart was the number one leading cause of death in Northampton County with a rate of 22.5%. This is a less than 5% decrease over 4 years. Cerebrovascular diseases was the third leading cause of death in 2010 with a rate of 6.0% and remains third in 2013 with a rate of 7.0%. This disease has increased by 1%.

**Leading Causes of
Death All Counties
2013**

Race: All Gender: Both
Hispanic Origin: All (Hispanic, Non-Hispanic, and
Unknown) Age 0 – 99 years

Note Age 99 indicates age 99 years or older

Rank	Cause	Number	%
1	Cancer	18,615	22.3
2	Diseases of the heart	17,812	21.4
3	Chronic lower respiratory diseases	4,989	6.0
4	Cerebrovascular diseases	4,472	5.4
5	All other intentional injuries	2,948	3.5
6	Alzheimer's disease	2,874	3.4
7	Diabetes Mellitus	2,400	2.9
8	Influenza and pneumonia	2,930	2.3
9	Nephritis. Nephrotic syndrome and nephrosis	1,780	2.1
10	Septicemia	1,484	1.8
	All other causes (Residual)	24,013	28.9
	Total – All Causes	83,317	100.0

Source: State Center for Health Statistics

The three leading causes of death for the state are the same and in the same order as 2010. Cancer was number one in 2010 at 22.9% and was number one in 2013 with a rate of 22.3%. Cancer has decreased by 0.6% which is less than one percent for the state.

Diseases of the heart was the second leading cause of death in 2010 with a rate of 21.7%. In 2013 diseases of the heart was 21.4%. Disease of the heart decreased by 0.3% for the state of North Carolina in 2013. Chronic lower respiratory disease remains the third leading cause of death in the state. The rate in 2010 Chronic Lower Respiratory disease was 5.7%. In 2013 the rate for chronic lower respiratory disease was 6.0%. This is an increase of 0.3% over four years.

Overweight/Obesity Percentages

2013 BRFSS Survey results: North Carolina Counties and Regions

Body Mass Index Grouping-Underweight, Recommended Range, Overweight and Obese.

Region	Underweight%	Recommended Range%	Overweight %	Obese %
North Carolina	1.4 – 2.2	30.80 -33.6	35.3 - 38.2	28.1 – 30.7
Eastern North Carolina	1.3 – 3.2	26.1 – 31.2	34.3 – 39.7	29.9 -35.0

Source: North Carolina State Center for Health Statistics Behavior Risk Factor Surveillance Systems

Percentage of North Carolina Adults who are overweight or obese BMI \geq 25

In Northampton County 3.1% - 3.4% of adults have a BMI > than 25.

Source: North Carolina State Center for Health Statistics Area Health Education Center (AHEC) Regions, 2013.

Cancer Incidence 2007 – 2011 Cancer Incidence Rates by County for Selected Sites Per 100,000 Population Age Adjusted to the 2000 US Census

County	Colon /Rectum		Lung/Bronchus		Female Breast		Prostate		All Cancers	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
North Carolina	20,650	41.5	36,758	73.4	42,701	157.4	35,369	150.6	249,128	496.7
Northampton	74	48.8	117	74.2	122	155.8	1134	189.0	738	489.7

Source: North Carolina Central Cancer Registry Diabetes Prevalence

Percentage of North Carolina Adults Who Have Answered Yes to “Have you ever been told by a doctor nurse or other health professional that you have diabetes

In Northampton County 10.2 – 11.7% of adults answered yes.

Source: Area Health Education Center (AHEC) Regions, 2012

2013 BRFSS Survey Results; North Carolina Counties and Regions Diabetes

Have you ever taken a course or class in how to manage your diabetes yourself?

Regions/County	Yes	No
North Carolina	55.5%	44.5%
Eastern North Carolina	52.5%	47.5%

Source: North Carolina State Center for Health Statistics; Behavioral Risk Factors Surveillance Systems 2013

Asthma Hospital Discharge Data

Have you ever been told by a doctor, nurse, or other health professional that you had asthma?

In Northampton County 10.6 – 10.8 of respondents answered yes

Source: State Center for Health Statistics 2012 Behavioral Risk Factor Surveillance System (BRFSS)

2013 North Carolina Hospital Discharges with a Primary Diagnosis of Asthma All Numbers and Rates are 100,000 by County of Residence All Ages and ages 0 -14

Residence	Total Number	Total Rate	Number Ages 0 -14	Rate Ages 0 - 14
North Carolina	9,021	91.6	2,841	148.9
Northampton	21	100.8	6	180.1

Infant Mortality

2009 – 2013 North Carolina Infant Mortality Report Table 3B

Infant Mortality Racial Disparities between White Non- Hispanics and African American Non-Hispanics

Residence	White Infant Deaths	African America Infant Deaths	White Births	African American Births	White Rate	African American Rate	Disparity Ratio
North Carolina	1,850	1,967	339,507	144,892	5.4	13.6	2.52
Northampton	0	9	282	652	0.0	13.8	0

Source: North Carolina State Center for Health Statistics

Infant mortality in Northampton County from 2009 – 2013 is higher than the state rate for African Americans.

Teen Pregnancy Rates

2009 – 2013 NC Resident Pregnancy Rates per 1,000 Population Females Ages 16 – 17 by Race. Perinatal Care Regions and County of Residence

	Total		White Non Hispanic		Af.Am. Non Hispanic		Other Non Hispanic		Hispanic	
	Preg.	Rate	Preg.	Rate	Preg	Rate	Preg	Rate	Preg	Rate
North Carolina	21,016	22.7	7,592	14.0	8,482	34.0	765	20.4	4,086	43.0
Northampton	41	20.9	3	*	38	27.9	0	*	0	*

Source: North Carolina State Center for Health Statistics

The rate of teen pregnancy rate for girls ages 15 -17 in Northampton County is 1.8% lower than the state rate for girls 15 -17 and in African American girls ages 15 -17 the rate is 6.1% lower than the state.

**INPATIENT HOSPITAL UTILIZATION AND CHARGES BY PRINCIPAL DIAGNOSIS, AND COUNTY OF RESIDENCE,
NORTH CAROLINA, 2010**

(EXCLUDING NEWBORNS & DISCHARGES FROM OUT OF STATE HOSPITALS)

RESIDENCE=NORTHAMPTON

DIAGNOSTIC CATEGORY	TOTAL CASES	DISCHARGE RATE (PER 1,000 POP)	AVERAGE DAYS STAY	DAYS STAY RATE (PER 1,000 POP)	TOTAL CHARGES	AVERAGE CHARGE PER DAY	AVERAGE CHARGE PER CASE
INFECTIOUS & PARASITIC DISEASES	141	6.4	7.0	44.5	\$4,049,552	\$4,115	\$28,720
-- Septicemia	109	4.9	7.1	34.9	\$3,441,802	\$4,464	\$31,576
-- AIDS	1	0.0	12.0	0.5	\$46,176	\$3,848	\$46,176
MALIGNANT NEOPLASMS	117	5.3	6.9	36.6	\$4,676,979	\$5,788	\$39,974
-- Colon, Rectum, Anus	16	0.7	7.3	5.2	\$640,829	\$5,524	\$40,052
-- Trachea, Bronchus, Lung	24	1.1	5.9	6.4	\$971,211	\$6,840	\$40,467
-- Female Breast	8	0.4	7.0	2.5	\$369,559	\$6,599	\$46,195
-- Prostate	4	0.2	1.8	0.3	\$109,440	\$15,634	\$27,360
BENIGN, UNCERTAIN & OTHER NEOPLASMS	23	1.0	5.2	5.4	\$854,128	\$7,178	\$37,136
ENDOCRINE, METABOLIC & NUTRIT. DISEASES	183	8.3	4.0	33.4	\$2,867,292	\$3,880	\$15,668
-- Diabetes	93	4.2	4.3	18.3	\$1,563,260	\$3,869	\$16,809
BLOOD & HEMOPOETIC TISSUE DISEASES	65	2.9	4.5	13.3	\$1,069,520	\$3,650	\$16,454
NERVOUS SYSTEM & SENSE ORGAN DISEASES	82	3.7	7.0	25.8	\$1,335,788	\$2,339	\$16,290
CARDIOVASCULAR & CIRCULATORY DISEASES	705	31.9	4.8	154.2	\$22,249,173	\$6,530	\$31,559
-- Heart Disease	485	21.9	4.6	101.7	\$16,648,461	\$7,409	\$34,327
-- Cerebrovascular Disease	114	5.2	5.5	28.2	\$2,750,636	\$4,415	\$24,128
RESPIRATORY DISEASES	362	16.4	5.8	95.6	\$7,827,665	\$3,706	\$21,623
-- Pneumonia/Influenza	116	5.2	5.8	30.3	\$2,402,786	\$3,586	\$20,714
-- Chronic Obstructive Pulmonary Disease	134	6.1	5.1	30.6	\$2,056,183	\$3,037	\$15,345
DIGESTIVE SYSTEM DISEASES	312	14.1	4.8	68.0	\$6,590,638	\$4,385	\$21,124
-- Chronic Liver Disease/Cirrhosis	5	0.2	6.8	1.5	\$125,136	\$3,680	\$25,027
GENITOURINARY DISEASES	183	8.3	4.6	38.3	\$3,084,732	\$3,642	\$16,856
-- Nephritis, Nephrosis, Nephrotic Synd.	51	2.3	6.0	13.8	\$989,427	\$3,255	\$19,401

**INPATIENT HOSPITAL UTILIZATION AND CHARGES BY PRINCIPAL DIAGNOSIS, AND COUNTY OF
RESIDENCE, NORTH CAROLINA, 2010
(EXCLUDING NEWBORNS & DISCHARGES FROM OUT OF STATE HOSPITALS)**

RESIDENCE=NORTHAMPTON

DIAGNOSTIC CATEGORY	TOTAL CASES	DISCHARGE RATE (PER 1,000 POP)	AVERAGE DAYS STAY	DAYS STAY RATE (PER 1,000 POP)	TOTAL CHARGES	AVERAGE CHARGE PER DAY	AVERAGE CHARGE PER CASE
PREGNANCY & CHILDBIRTH	229	10.4	2.3	23.6	\$1,894,399	\$3,636	\$8,272
SKIN & SUBCUTANEOUS TISSUE DISEASES	64	2.9	7.6	22.0	\$1,428,424	\$2,939	\$22,319
MUSCULOSKELETAL SYSTEM DISEASES	184	8.3	3.7	31.0	\$6,076,695	\$8,858	\$33,026
-- Arthropathies and Related Disorders	127	5.7	3.6	20.5	\$3,181,351	\$7,023	\$25,050
CONGENITAL MALFORMATIONS	4	0.2	5.3	1.0	\$251,633	\$11,983	\$62,908
PERINATAL COMPLICATIONS	9	0.4	20.4	8.3	\$614,835	\$3,341	\$68,315
SYMPTOMS, SIGNS & ILL-DEFINED CONDITIONS	174	7.9	3.3	26.1	\$2,286,039	\$3,969	\$13,138
INJURIES & POISONING	210	9.5	6.0	57.1	\$7,546,615	\$5,980	\$35,936
OTHER DIAGNOSES (INCL. MENTAL DISORDERS)	283	12.8	9.2	117.2	\$4,939,010	\$1,907	\$17,452
ALL CONDITIONS	3,330	150.7	5.3	801.3	\$79,643,118	\$4,497	\$23,917

North Carolina State Center for Health Statistics

The three leading causes of death for Northampton County are 1 - Cancer, 2 - Diseases of the Heart
3- Chronic Lowered Respiratory Disease. In 2010 the cases for Northampton County Inpatient Hospital
Utilization and charges were:

Diagnosis	Cases	Cost
Respiratory Diseases	362	\$7,827,665
Malignant Neoplasms (Colon, Rectum, Anus, Trachea, Bronchus, Lung, Female Brest, Prostate Cancer)	117	\$4,676,979
Endocrine, Metabolic & Nutrition Diseases (Diabetes)	183	\$2,867,792
Cardiovascular a& Circulatory Diseases 9Heart Disease	705	\$22,249,173

In 2013 the number of Asthma discharge cases for Northampton County was 21. The prevalence of diabetes
in Northampton County is 10.2 – 11.7% of residents.

Communicable Diseases

HIV Infection (HIV/STD Cases Living as of 12/31/13)
By county of Residence at Diagnosis

County	HIV Infection
North Carolina	28,101
Northampton	68

Chlamydia Cases by County of Report 2009 – 2013 Rates per 100,000 Population

	2009 Case	2010 Case	2011 Case	2012 Case	2013 Case	2009 Rate	2010 Rate	2011 Rate	2012 Rate	2013 Rate
North Carolina	43,734	42,167	53,854	50,621	48,417	466.2	441.1	558.0	519.1	465.5
Northampton	143	91	132	139	143	710.2	412.7	600.1	648.7	667.4

Gonorrhea Cases by County of Report 2009 – 2013 Rates per 100,000 Population

	2009 Case	2010 Case	2011 Case	2012 Case	2013 Case	2009 Rate	2010 Rate	2011 Rate	2012 Rate	2013 Rate
North Carolina	14,811	14,153	17,158	14,321	13,665	157.9	148.0	177.8	146.9	140.1
Northampton	61	44	74	49	41	302.9	199.5	336.4	228.7	191.3

Primary and Secondary Syphilis Cases By year of Diagnosis 2009 – 2013 Rates per 100,000 Population

	2009 Case	2010 Case	2011 Case	2012 Case	2013 Case	2009 Rate	2010 Rate	2011 Rate	2012 Rate	2013 Rate
North Carolina	536	392	392	334	423	5.7	4.1	4.1	3.4	4.3
Northampton	3	1	1	0	1	14.9	4.5	4.5	0.0	4.7

North Carolina Division of Public Health Communicable Branch

The rate of Chlamydia cases for Northampton County was higher than the state rate for the years 2009 by 244%; 2011 higher by 42.1%; 129% higher in 2012; and 201% higher in 2013. The rates for gonorrhea were higher in Northampton County than the state for 2009 by 145%; 2010 by 51.5%; 2011 by 81.8%; and 2013 by 51.2%

Peer Counties

Populations

Northampton	Alleghany	Hyde	Martin	Graham	Washington
22,099	10,939	5,721	23,699	8,736	12,722

Quick Facts US Census 2013

Population by Race

Northampton		Alleghany		Hyde		Martin		Graham		Washington	
Black	White	Black	White	Black	White	Black	White	Am.Ind	White	Black	White
58.4	39.2	1.7	95.7	30.0	67.8	43.2	54.8	7.0	90.3	49.2	48.1

Quick Facts US Census 2013

Individuals below Poverty Level

Northampton	Alleghany	Hyde	Martin	Graham	Washington
31.8%	20.9%	23.3%	24.9%	17.3%	26.5

Quick Facts US Census 2013

Top 3 Leading Causes of Death

By Location
Race-All
Gender- Both

Ages 0 – 99 years

Northampton	Alleghany	Hyde	Martin	Graham	Washington
Diseases of the Heart 22.5%	Cancer 26.1%	Diseases of the Heart 27.7%	Diseases of the Heart 27.4%	Diseases of the Heart 27.6%	Cancer 26.3%
Cancer 19.0 %	Diseases of the Heart 24.3%	Cancer 23.4	Cancer 22.7%	Cancer 19.4%	Diseases of the Heart 24.4%
Cerebrovascular 7.0 %	Diabetes mellitus 5.2%	Chronic Lower respiratory 10.6%	Alzheimer's 9.2%	Chronic Lower Respiratory 9.2%	Chronic Lower Respiratory 6.9%

The three leading causes of death for all counties all races both genders ages 0 -99 years for all counties in the state are:

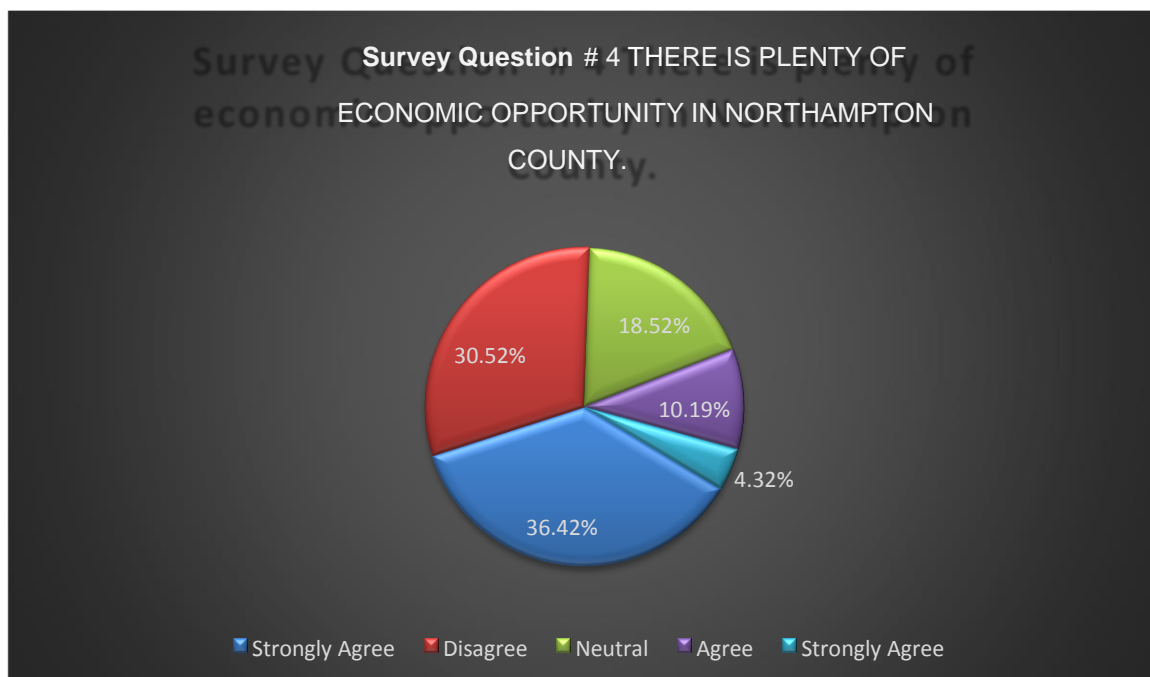
Cancer 22.3%

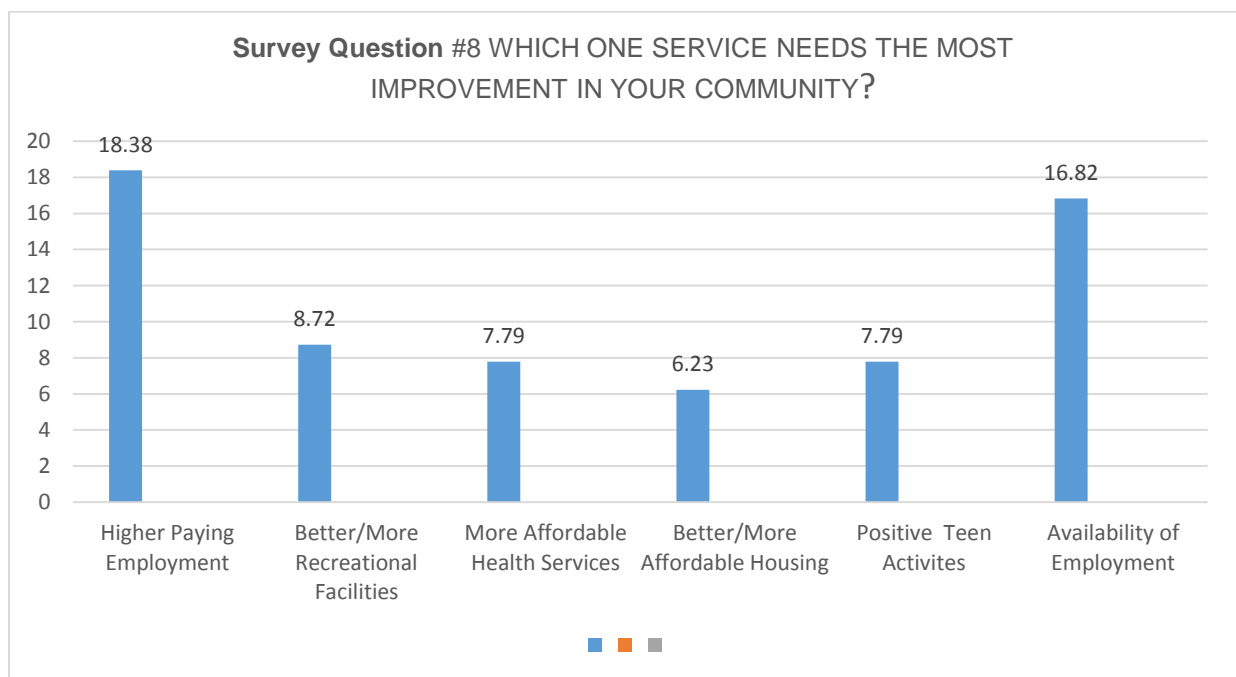
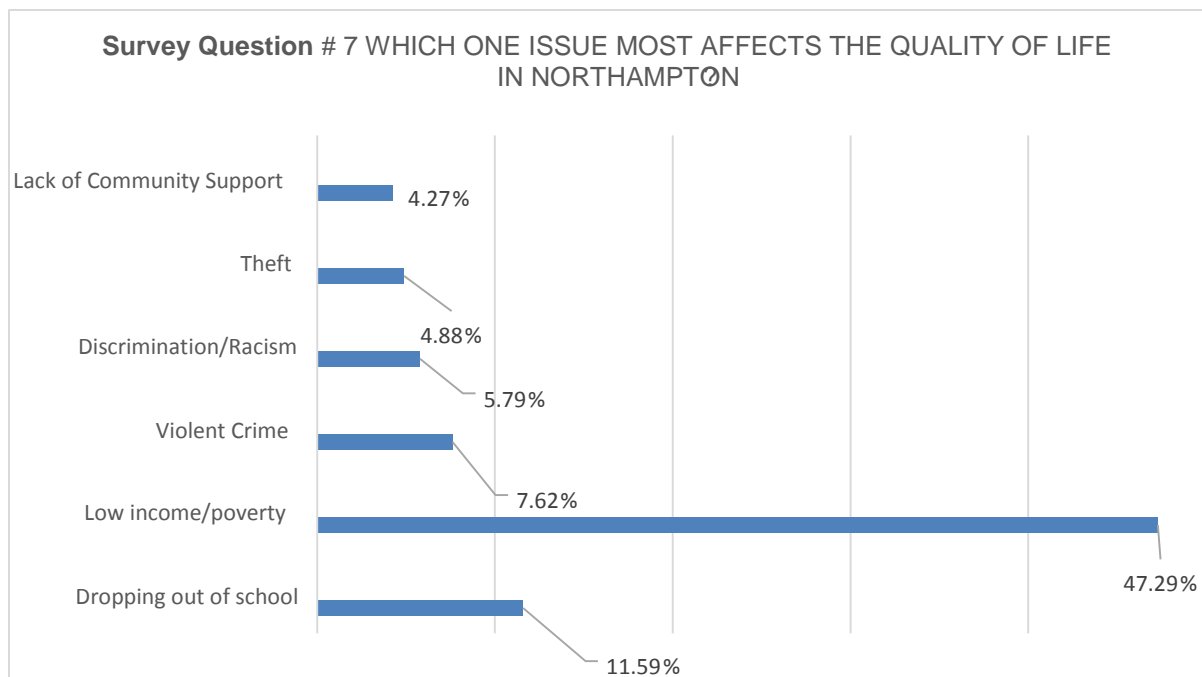
Diseases of the heart 21.4%

Chronic Lower Respiratory 6.0%

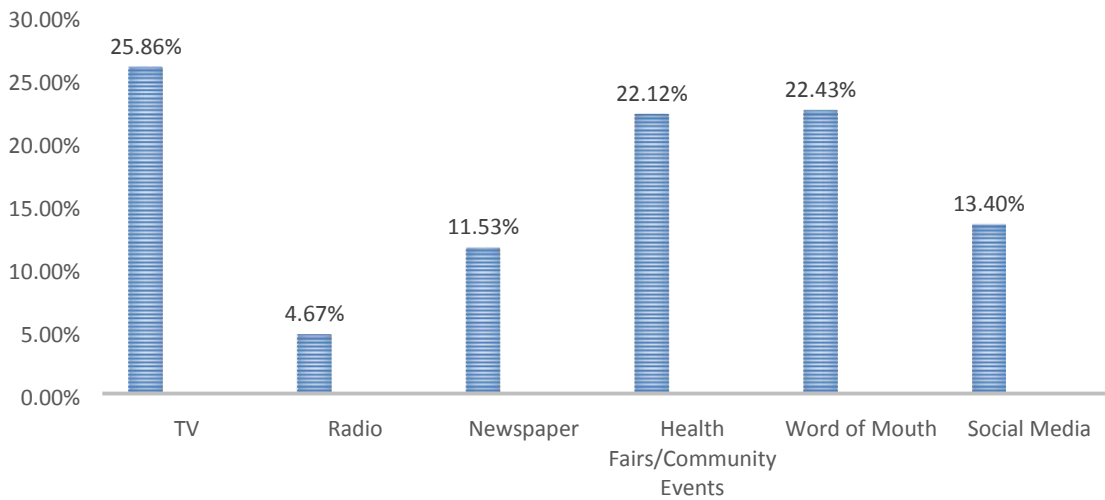
Economic Opportunities

Health Promotions - Northampton County utilized the Community Health Opinion Survey provided by the State to conduct their Community Health Assessment. The data collected was entered into Survey Monkey for analysis. The analysis indicates that the factors that impact the health of residents in Northampton County are:

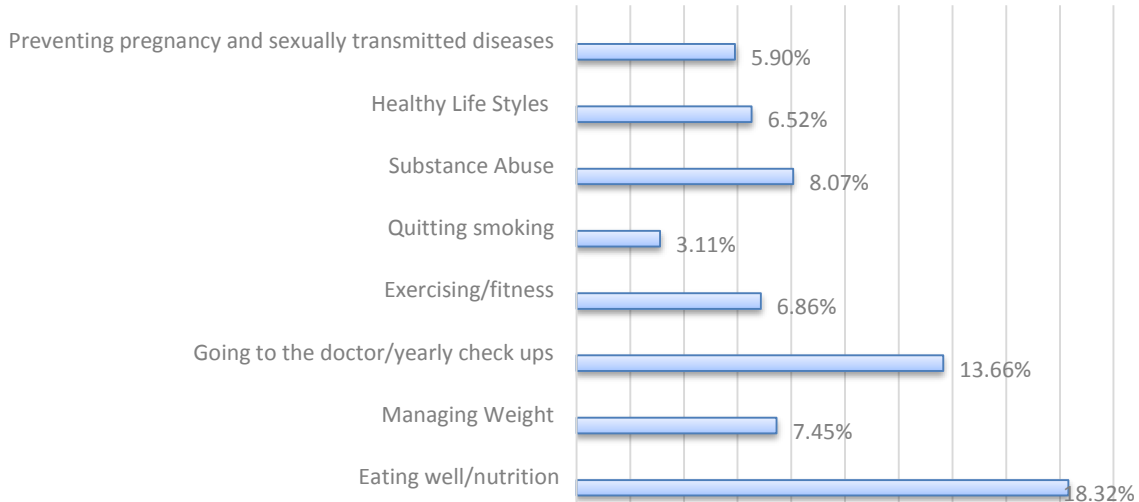


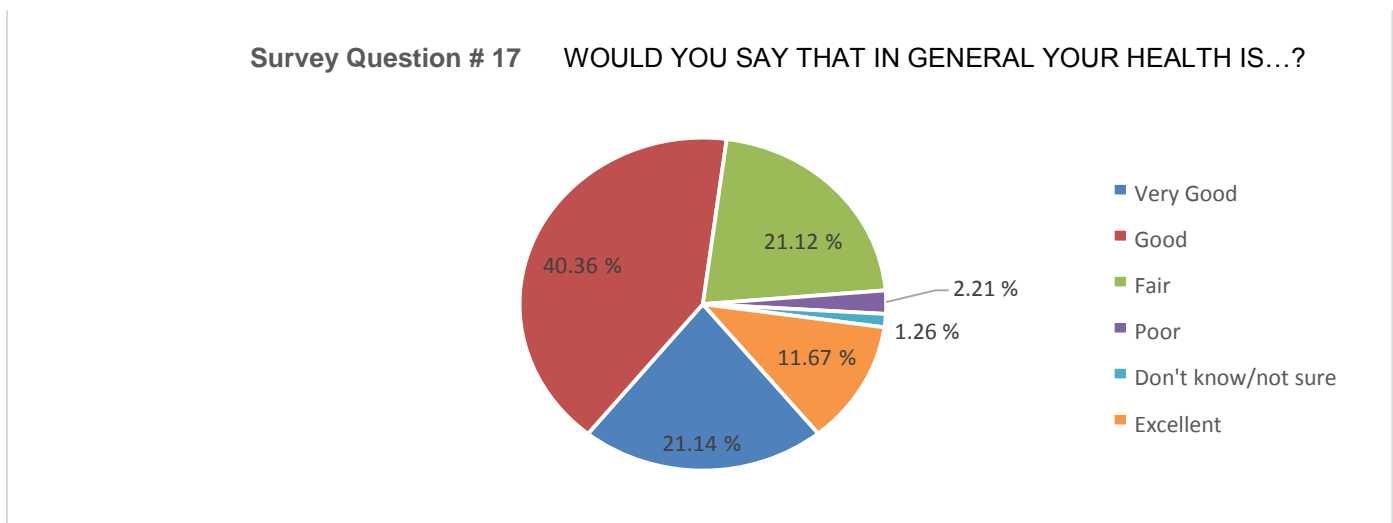
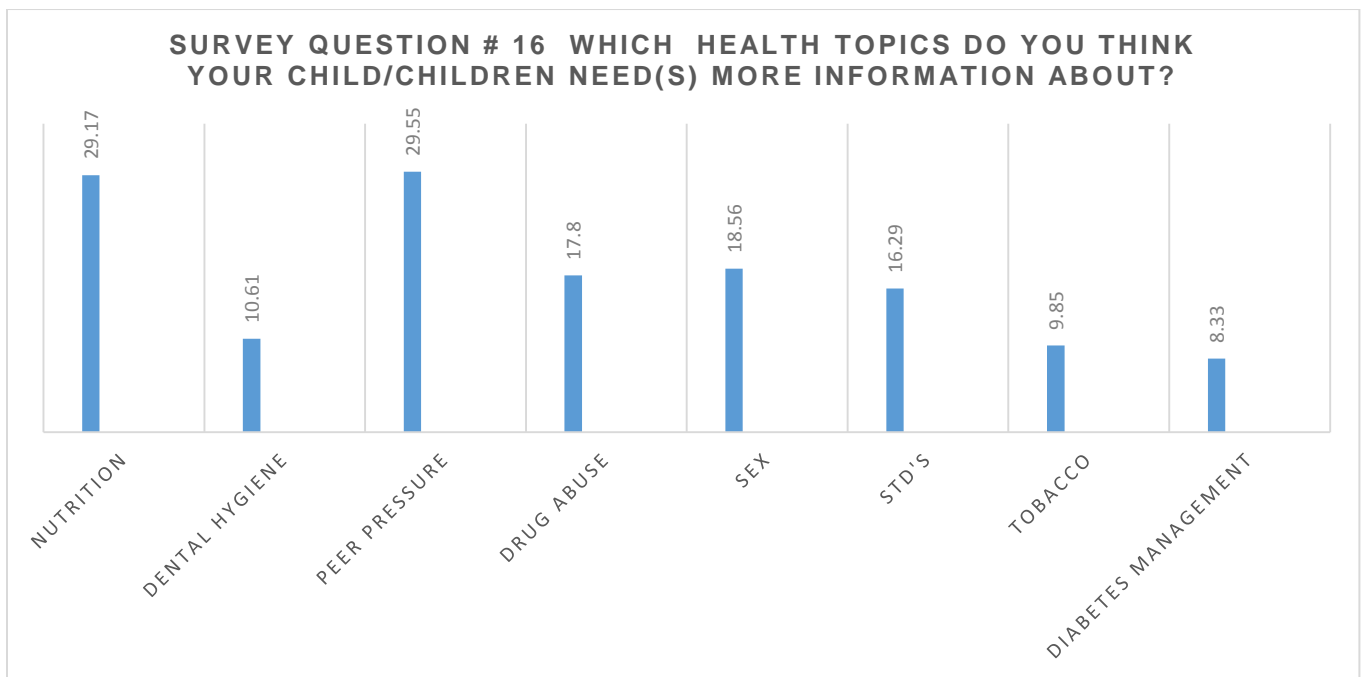


SURVEY QUESTION # 9 IN YOUR OPINION WHAT IS THE BEST WAY TO GET HEALTH INFORMATION INTO YOUR COMMUNITY?

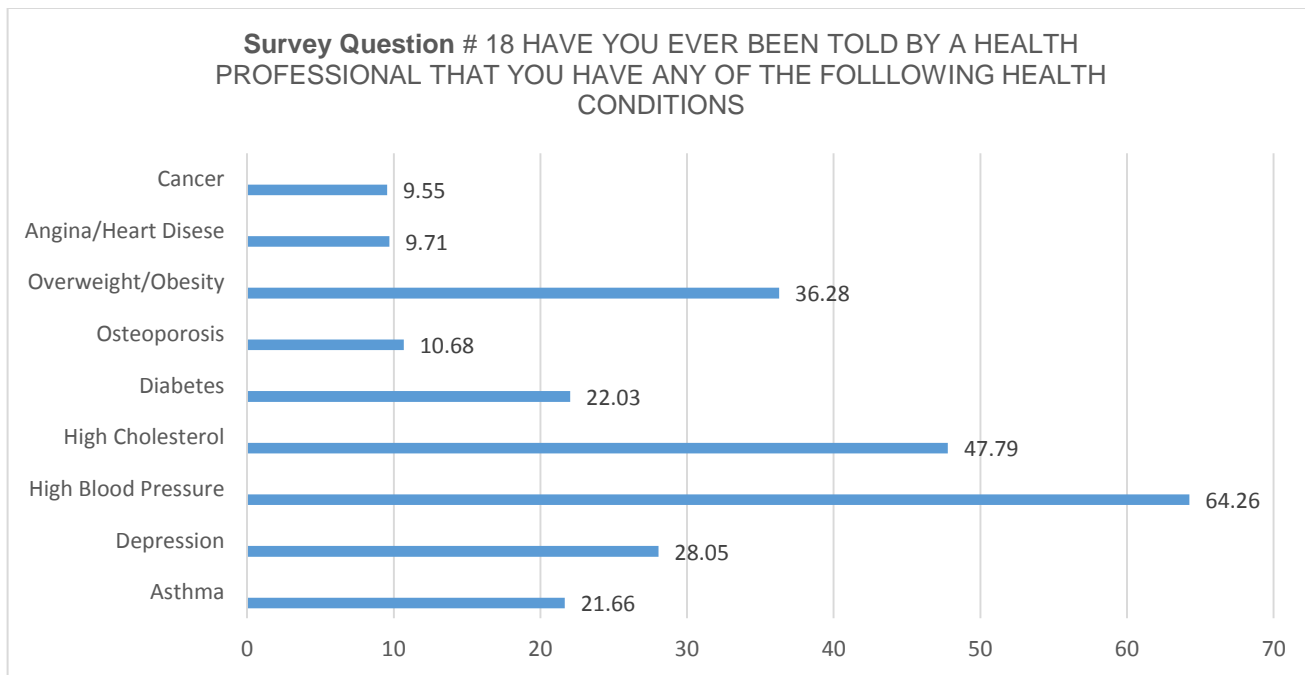


Survey Question # 12 WHICH ONE HEALTH BEHAVIOR DO PEOPLE IN YOUR COMMUNITY NEED MORE INFORMATION ABOUT?



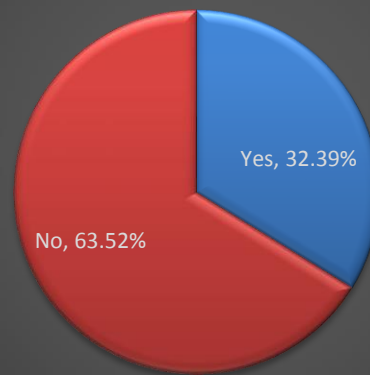


In Northampton's 2010 Community Health Assessment 48.1% of respondents rated their health as healthy. This is a 7.74% decrease for 2014.



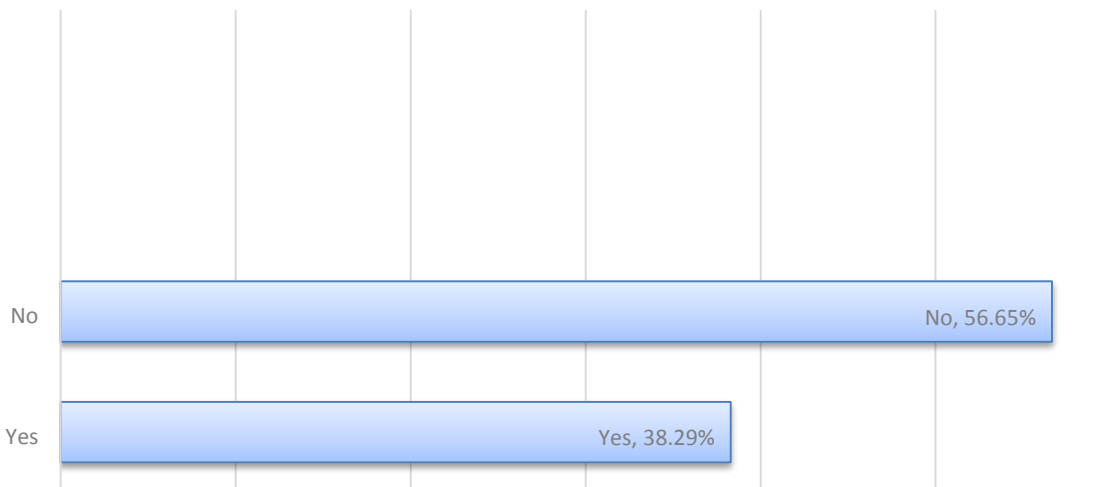
In The 2010 Community Health Assessment 46.00% indicated they have been told by a health care provider that they have depression or anxiety disorder. In 2014 28.15% responded yes to this question. This is a decrease of 11.85%.

Survey Question # 19 IN THE PAST 30 DAYS
HAVE YOU FELT SAD OR WORRIED?



Yes No

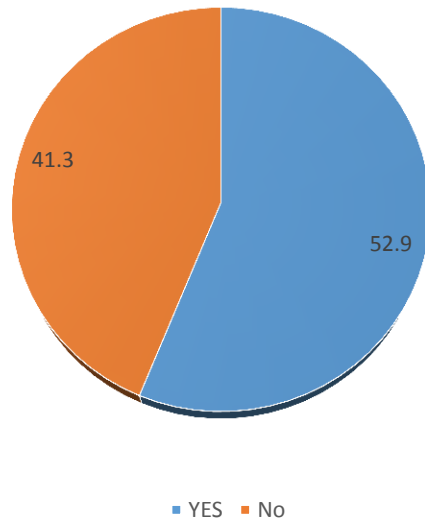
Survey Question # 20 - IN THE PAST 30 DAYS HAVE YOU HAD ANY PHYSICAL
PAIN OR HEALTH PROBLEMS THAT MADE IT HARD FOR YOU TO DO YOUR USUAL
ACTIVITIES?



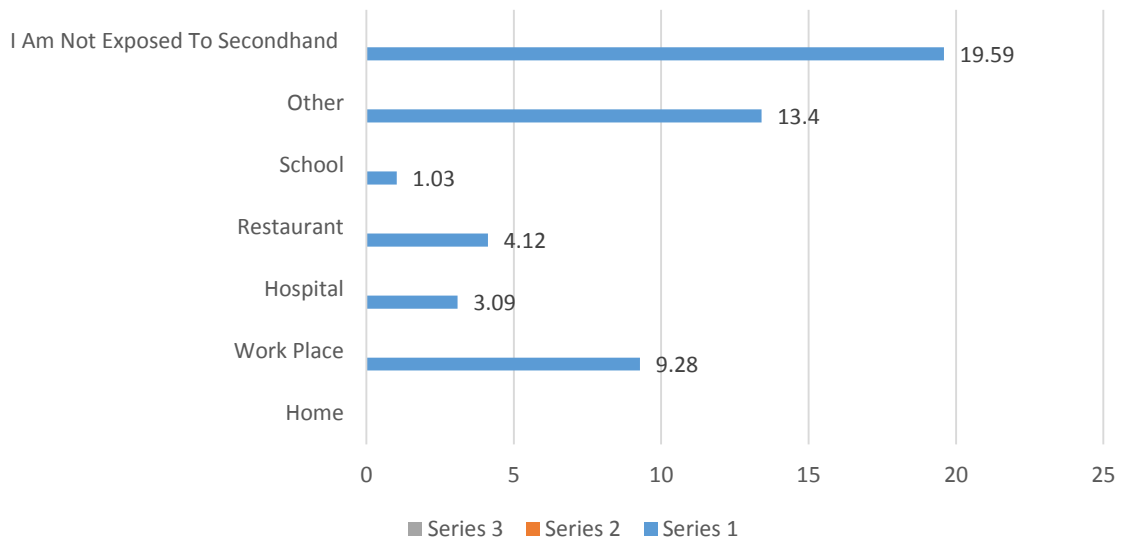
Survey Question # 21 DURING A NORMAL WEEK DO YOU ENGAGE IN ANY PHYSICAL ACTIVITY OR EXERCISE THAT LASTS AT LEAST HALF AN HOUR?



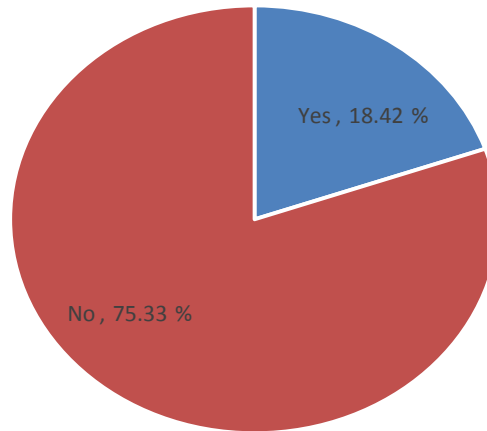
Survey Question #26 HAVE YOU BEEN EXPOSED TO SECOND HAND SMOKE IN THE PAST YEAR?



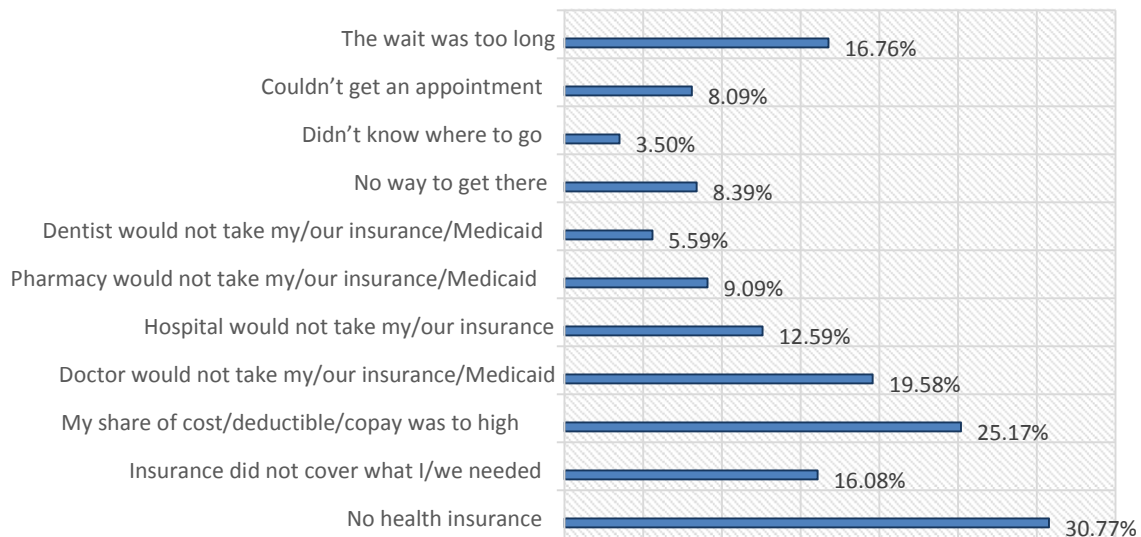
Survey Question # 27 WHERE WERE YOU EXPOSED TO SECOND HAND SMOKE MOST OFTEN?

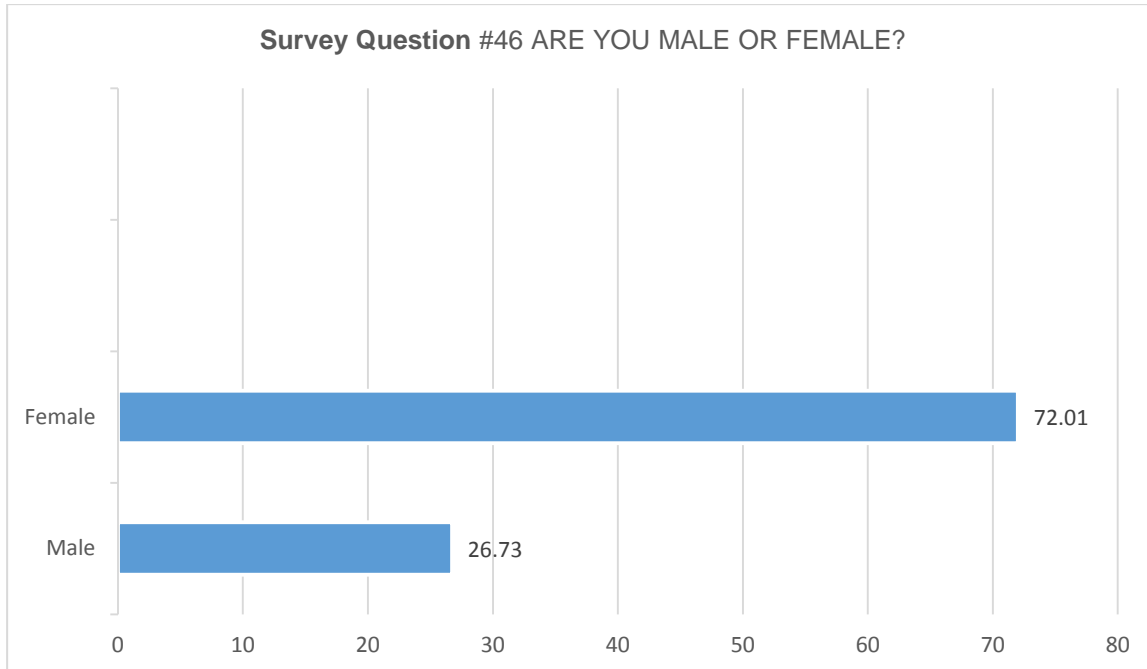
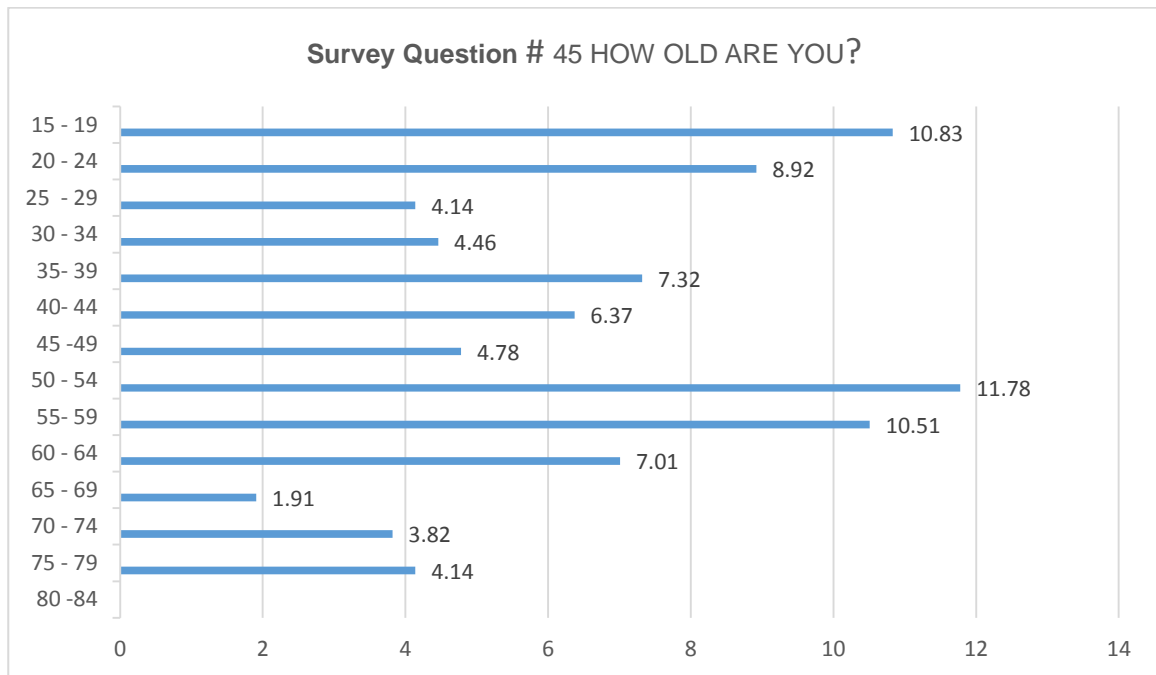


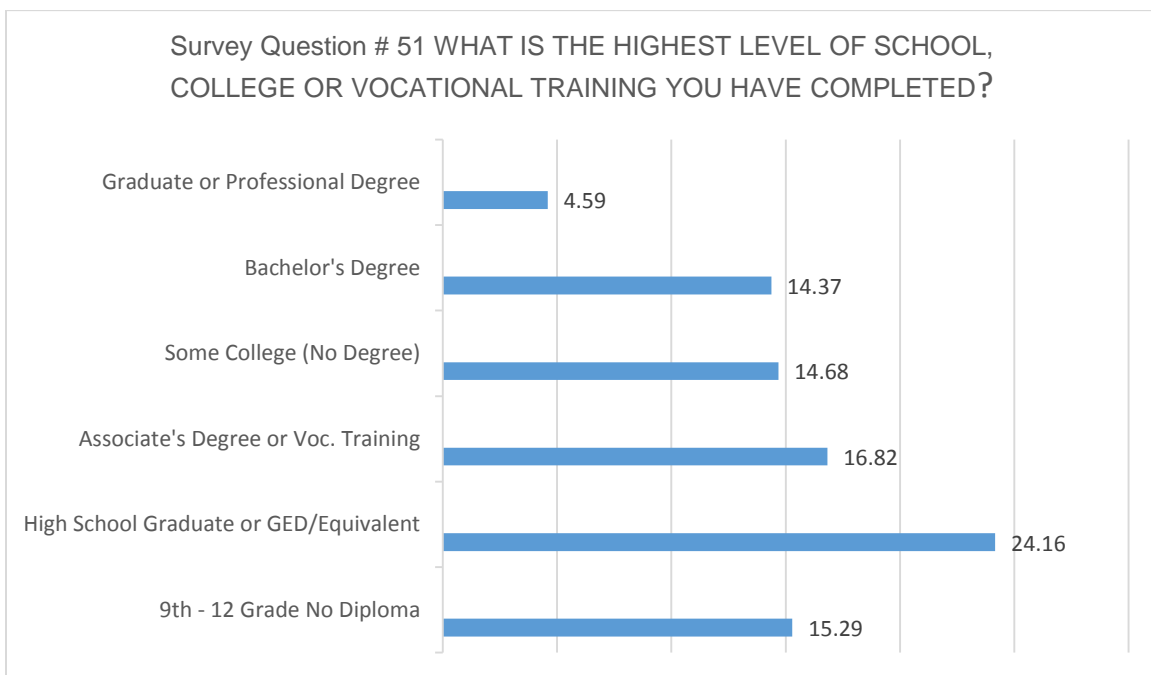
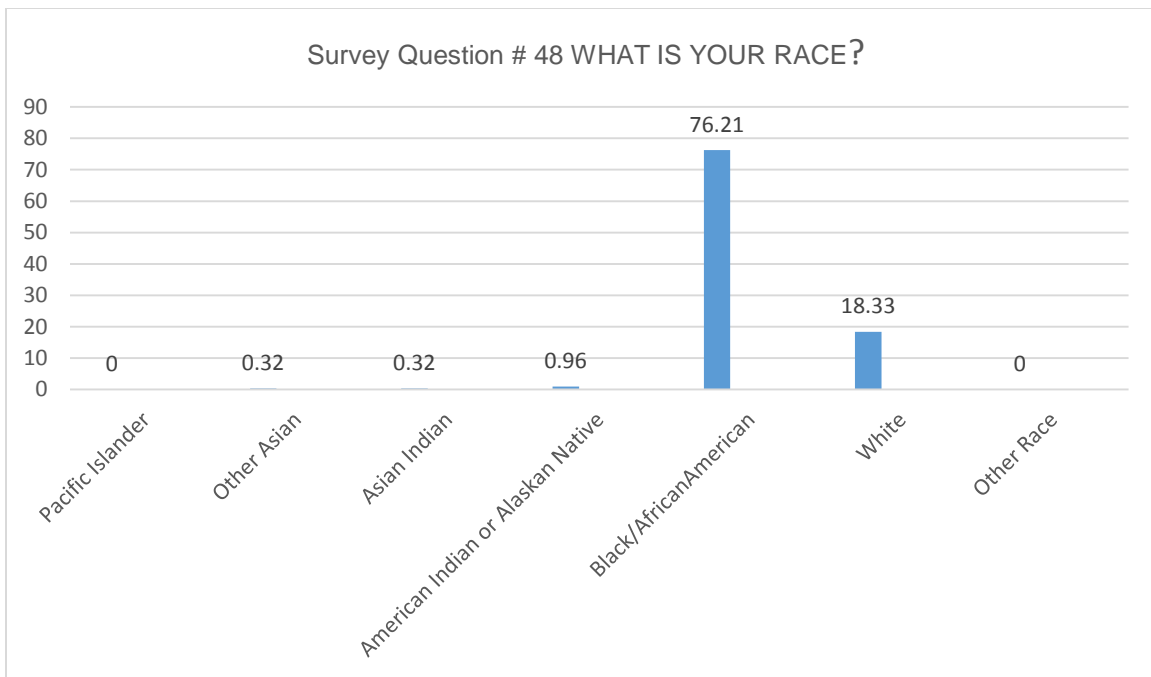
Survey Question # 35 IN THE PAST 12 MONTHS DID YOU HAVE A PROBLEM GETTING THE HEALTHCARE YOU NEEDED FOR YOU PERSONALLY OR FOR A FAMILY MEMBER FROM ANY HEALTHCARE PROVIDER?

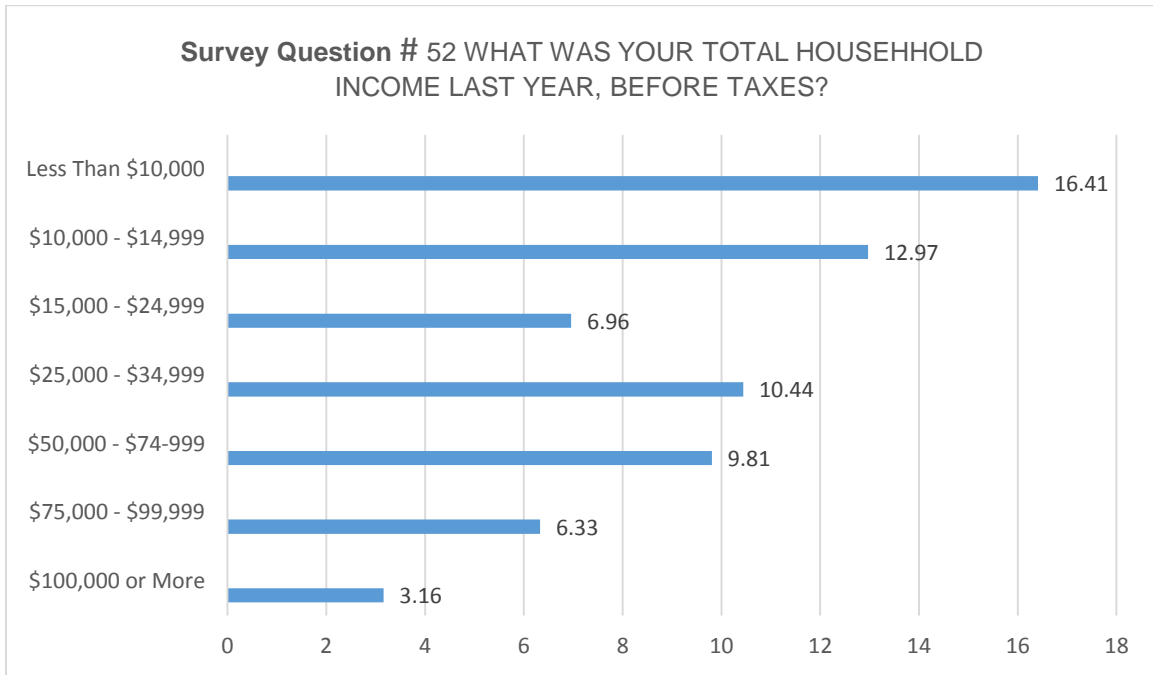


Survey Question # 37 WHICH OF THESE PROBLEMS PREVENTED YOU OR YOUR FAMILY MEMBER FROM GETTING THE NECESSARY HEALTH CARE?



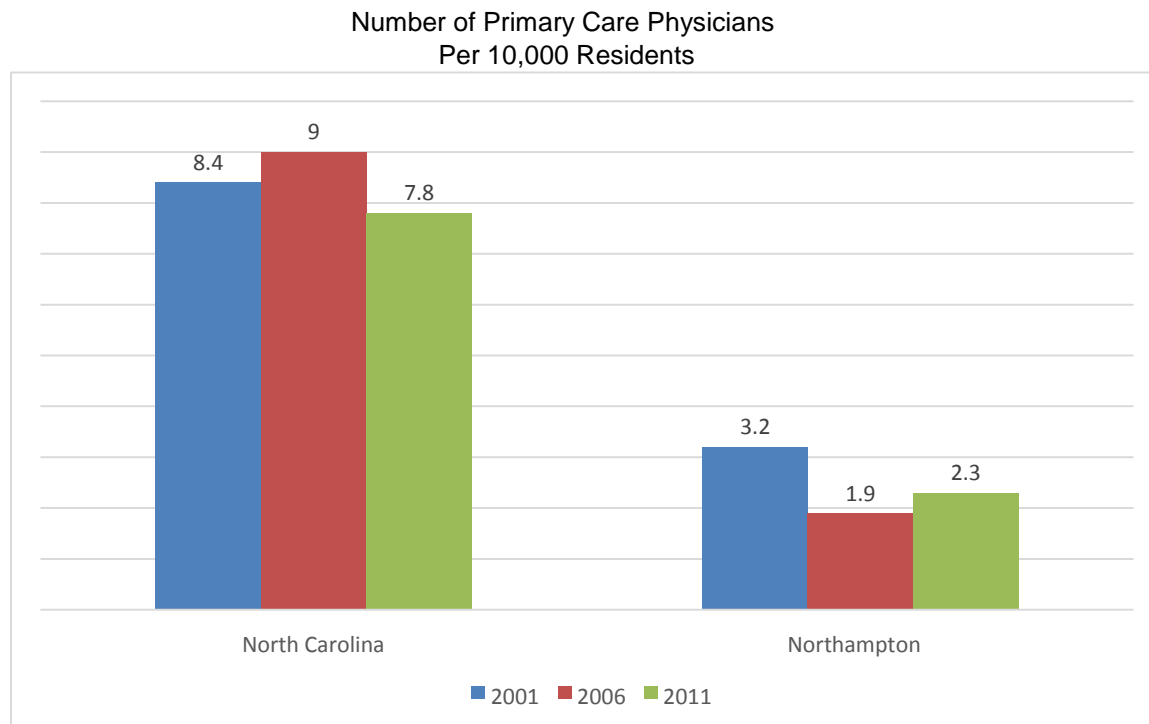






The total house hold income for 16.41% of Northampton's residents is \$10,000 or **less**.

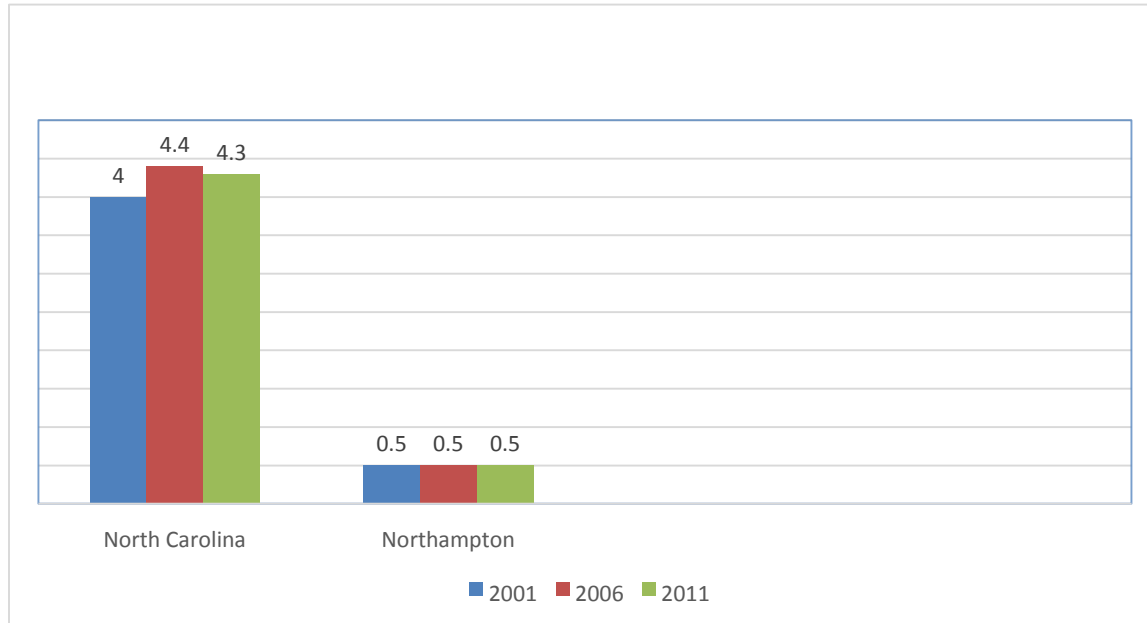
Health Resources



North Carolina Statewide and County Trends in Key Health Indicators Public Health/State Center for Health Statistics

In 2001 the percentage of Primary Care Physicians for the State was greater than Northampton County by 5.2%. In 2006 the percentage of Primary Care Physicians for the State increased by 0.6%. During the same time period the percentage for Northampton County decreased by 1.6%. In 2011 the percentage of Primary Care Physicians decreased for the State by 1.2% and increased for Northampton County by 0.4%.

Number of Dentist
Per 10,000 Residents



Indictors Public Health/State Center for Health Statistics North Carolina Statewide and County Trends in Key Health

The percentage of dentist for the Northampton County remained flat at 0.5% in 2006, 2009 and 2011 and the State saw an increase 2009 by 0.4% with a decrease of 0.1% in 2011.

