

# Caswell County Community Health Assessment 2019



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# ACKNOWLEDGEMENTS

The Community Health Assessment (CHA) process provides the county with the opportunity to gain valuable insight into the health of its population. This assessment examines the health concerns and opportunities of Caswell County residents. Caswell County Health Department and partner agencies, particularly the Caswell Chapter of the Health Collaborative, devoted a great deal of time and energy toward developing a better understanding of the community and its health needs. In addition to partner agencies, Caswell County Health Department appreciates all community residents who participated in the CHA process and provided their feedback and insights into the community. Resident input is a vital and necessary part of a community health assessment, so that the process and document is truly reflective of the community. A full list of CHA team members and contributions can be found in *Appendix A*. Caswell County Health Department looks forward continuing to work with residents, partner agencies, and others in improving the health of the community.

The 2019 Community Health Assessment includes the collection, analysis, and dissemination of information on Caswell County's assets, strengths, resources, and needs. In recognizing the importance of all aspects of health, the services and programs of our local organizations and agencies must be inclusive of social factors to better meet the needs of our community residents. The collective efforts must be directed towards addressing the top concerns and priorities of the community that will have the greatest impact.

*Note: This document was submitted in February of 2020, and includes the most current data available at that time. Please refer to the original data source to see if there are updates in future years.*

# EXECUTIVE SUMMARY

Caswell County



**Public Health**  
Prevent. Promote. Protect.

## *Vision Statement*

The Caswell County Community Health Assessment (CHA) is the primary resource of data and information to better understand the experiences and needs of Caswell County residents by providing an equitable opportunity to interact directly with members of the public.

## *Leadership*

The Community Health Assessment utilized a traditional process. The health department served as the lead agency, with Marcy Williams as the leader. Marcy Williams is the Health Services Coordinator for Caswell County Health Department. The Caswell Chapter of The Health Collaborative was a vital partner in the process and allowed the health department to present findings and solicit feedback during scheduled routine collaborative meetings.

## *Partnerships and Collaborations*

Partners are a vital process to the Community Health Assessment process to assure that the process is equitable, inclusive, and representative of the community. There is no Healthy Carolinians partnership locally and a limited number of local businesses and organizations. Additionally, there is no hospital in Caswell County, and no one hospital system recognizes Caswell County as their service area. The below table highlights some of the partners included in the Community Health Assessment process.

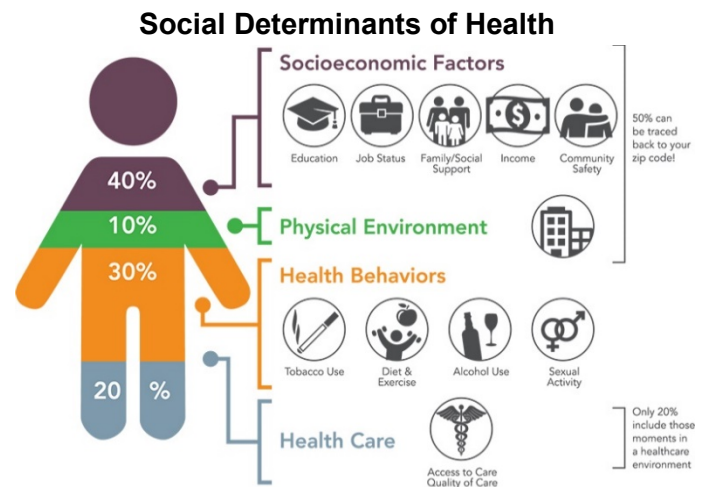
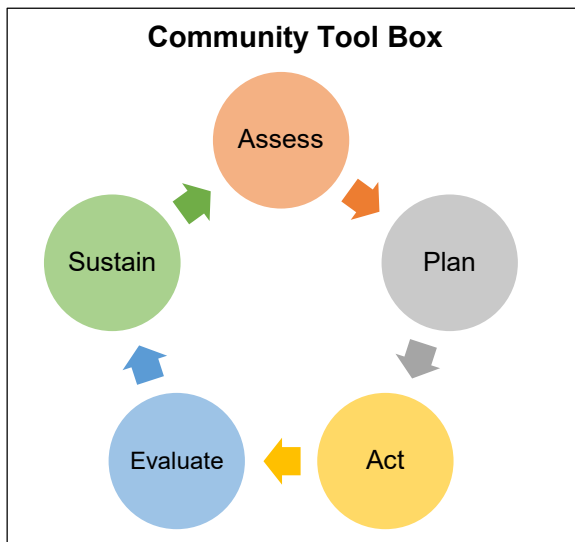
Partnerships	Number of Partners
Public Health Agency	1
Hospital/Health Care Systems	0
Healthcare Providers	3
Behavioral Healthcare Providers	2
EMS Providers	1
Pharmacy	0
Community Organizations	15
Businesses	0
Educational Institutions	1
Public School System	1
Media/Communication Outlet	1
Public Members	10+
Government Agencies	6

## *Regional or Contracted Services*

No regional or contracted services were used to produce this Community Health Assessment. The Community Health Assessment was funded by Caswell County Health Department.

## *Theoretical Framework or Model*

This Community Health Assessment process utilized Community Tool Box framework, and Social Determinants of Health and Results Based Accountability™ models. The framework and models recognize the importance of the community and also that many factors impact health, particularly non-clinical factors. Some of these non-clinical factors that influence health include economics, education, social and community context, and the built environment. Graphics of these models can be viewed at the top of the next page.



Source: Institute for Clinical Systems Improvement, Going Beyond Clinical Walls: Solving Complex Problems (October 2014)

### Collaborative Process Summary

The Community Health Assessment team made careful efforts to hear from the community through multiple methods throughout the process. This community feedback was used to guide the priorities selection and will be used to develop an improvement plan to address the priorities. The initial CHA planning meeting was in May of 2017, with the final document submitted to the state for review in February of 2020. Community listening sessions were held in the spring and summer of 2019.

### Key Findings

The CHA included collection of a variety of socioeconomic, demographic, and health indicator data points. Caswell County is older, economically poorer, and racially less diverse with a higher percentage of African-American residents but fewer other racial groups than neighboring counties. CHA Survey respondents feel Caswell County is a safe community, and a good place to grow old and raise children. However, residents feel local economic opportunity is poor. The top issues lowering the quality of life are poverty, dropping out of school, limited community resources, and discrimination. Highlights of the data were presented during community listening sessions, but the major focus was hearing from residents. Over 100 residents participated in the community listening sessions. During the community listening sessions, 14 key issues emerged. The 14 key issues were related to economy, community features, access to health care, and lived experiences of residents. These items were compiled into a priorities survey for community voting and these results guided the health priorities selection.

### Health Priorities

The 2019 Community Health Assessment (CHA) priorities are **structured activities for youth** and **improved race relations**.

### Next Steps

The next steps are as follows:

- Approval of CHA document by the Caswell County Board of Health
- Share CHA document with the Caswell County Board of County Commissioners
- Share CHA document broadly with public
- Develop Community Health Improvement Plans to address priorities

*If you would like to be involved in the Community Health Assessment process, please call the health department at 336-694-4129.*



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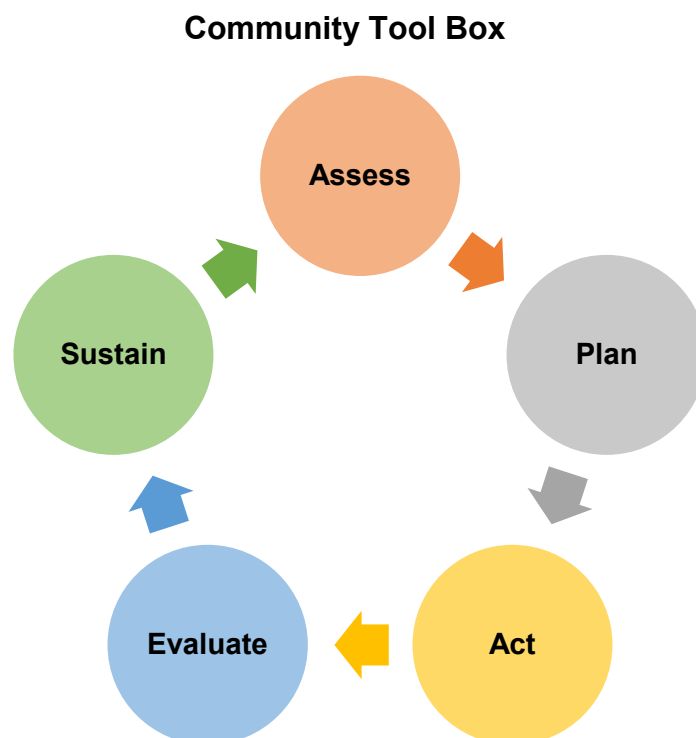
# CHAPTER 1: BACKGROUND

Caswell County's Community Health Assessment (CHA) report seeks to understand the health status of the county. As an accredited health department, Caswell County Health Department is required to complete a CHA every four years by the North Carolina Division of Public Health. This report takes into consideration socioeconomic, geographic, and demographic factors and available resources (or lack thereof) and their impact on health. The Community Tool Box provides a framework to guide the CHA process. A renewed focus on social determinants of health was utilized for this document. This CHA also used aspects of the Results Based Accountability™ framework. These models provided the opportunity for discussion and exploration of the many factors that impact health outside of traditional health care and health behavior ideas.

In addition, the CHA process provides opportunity for *community* input in health-related goal setting and assists local officials, staff, and organizations in developing strategies to address community needs. The CHA team recognizes the importance of hearing from the community and brings to mind the slogan, “***nothing about us without us.***”

## Community Tool Box Framework

The Community Tool Box framework helps to guide the CHA process in an organized and collaborative fashion, with the ultimate goal of community health improvement and community inclusion. The mission of the Community Tool Box is “to promote community health and development by connecting people, ideas, and resources.” The Community Tool Box is a service of the Center for Community Health and Development of the University of Kansas. The tool box may be found online at: <https://ctb.ku.edu/en>. This model includes several steps in building healthier communities. The steps in the below graphic are explained in more detail on the next page.





*Assess:* Learn what issues matter to the community

*Plan:* Provide direction to move from where things are to the desired endpoint.

*Act:* Take action

*Evaluate:* Is the initiative working?

*Sustain:* Keep the efforts going

## Social Determinants of Health Models

Social Determinants of Health (SDOH) models consider other factors that influence health, such as environment, education, and socioeconomic status, in addition to health behaviors and clinical services. The Caswell County Community Health Assessment process and team recognizes the powerful role non-clinical services play in the health of a community.

### Healthy People 2020 Model

The US Department of Health and Human Services' Office of Disease Prevention and Health Promotion Developed the Healthy People 2020 Model with the goal of "create social and physical environments that promote good health for all."<sup>i</sup> This model includes five key areas or determinants of health.



#### *Economic Stability*

Economic Stability includes employment, food insecurity, housing instability, and poverty.

#### *Education*

Education includes early childhood education and development, enrollment in higher education, high school graduation, and language and literacy.

### *Social and Community Context*

Social and Community Context contains civic participation, discrimination, incarceration, and social cohesion.

### *Health and Health Care*

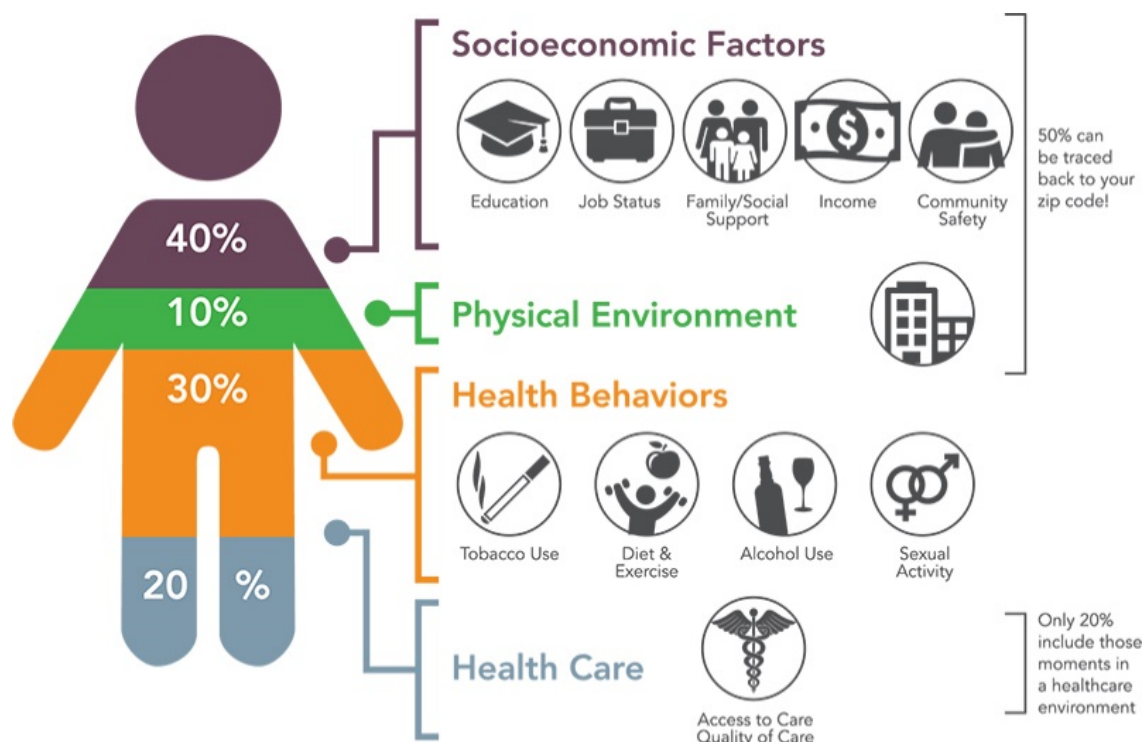
Health and Health Care is made up of access to health care, access to primary care, and health literacy

### *Neighborhood and Built Environment*

Neighborhood and Built Environment comprises healthy foods access, crime and violence, environmental conditions, and housing quality.

## County Health Rankings Model

The County Health Rankings Model also includes a broad range of factors that contribute to health beyond health care and health behaviors. Using this model, 20% of health is related to traditional health care and 30% is related to health behaviors. Health behaviors include alcohol and tobacco use along with diet and exercise. The remaining 40% is associated with socioeconomic factors, which comprise education, job status, social supports, and safety. The remaining 10% is attributed to physical environment.<sup>ii</sup> The graphic below, provided by the institute of Clinical Systems Improvement, is one way of illustrating the various components to health.<sup>iii</sup>



Source: Institute for Clinical Systems Improvement, Going Beyond Clinical Walls: Solving Complex Problems (October 2014)

# Results Based Accountability™ Framework

There are two different accountability models included in the Results Based Accountability™ (RBA) framework methods—performance accountability and population accountability.<sup>iv</sup> Performance accountability takes into consideration the well-being of client populations, programs, and organizations. Population accountability includes the well-being of whole populations, for example, cities and counties. The RBA method uses a specific approach to create ways to take action on the problems, rather than simply talking about the problems. The objective is to name the desired end result and develop a framework and plan on how to achieve the desired result. This RBA framework will guide the work of the Community Health Improvement Plans, which are the plans to address the priorities identified by the CHA process.

## The 7 Population Accountability Questions

### **1. RESULTS**

What results do we want for our population? (in plain language)

### **2. EXPERIENCE**

How do we experience the results that we want?

What might conditions look like if we could see them?

### **3. INDICATORS**

How can these conditions be measured?

### **4. BASELINE**

Where are we now?

Where are we going?

### **5. STORIES**

What is behind the baseline? (*Example: If poverty is rising, why?*)

What is helping? What is hurting?

### **6. PARTNERS**

Who are the partners with a role to play?

### **7. WHAT WORKS**

What works to do better?

# CHAPTER 2: COMMUNITY HEALTH ASSESSMENT PROCESS AND PRIORITIES

The health department leads the CHA process, collects all of the data, develops the presentations and all printed materials, and guides the process. The health department leads the process, but includes community participation. This Community Health Assessment (CHA) cycle began in May of 2017, with an initial meeting to discuss the purpose and process of the CHA and included a broad and diverse group of organizations. During this meeting, updates since the CHA of 2015 were provided, as well as, updates to the CHA process based on state recommendations and requirements. This initial meeting resulted in the creation of a survey development team. A list of survey team members can be found in *Appendix A*. The survey was completed and approved by the survey development team in August of 2017. Response collection began in September of 2017 and ended in April of 2018. The CHA Opinion survey can be found in *Appendix B*.

## Community Health Assessment Survey Development, Distribution, Methodology, and Demographics

The surveys were collected using convenience sampling methods and a total of 543 surveys were collected. Surveys were distributed at a variety of community locations and events. The survey was also included in the Brightleaf Hoedown edition of *The Caswell Messenger*. A copy of this edition of the newspaper is sent to every household in Caswell County, regardless of whether a household actually subscribes to or pays for the newspaper. In September of 2017, the Caswell County Board of Education approved the distribution of the survey to all school children, which was another method to ensure survey distribution to a wide range of residents. The survey was primarily intended for parents or other adults.

### Community Health Assessment Survey Distribution and Collection Sites

- Aunt Millie's Pizza
- Caswell County Department of Social Services
- Caswell County Health Department
- Caswell County Outreach Ministry
- Caswell County Senior Center
- Caswell Family Medical Center
- Gibsonville Dollar General
- Gunn Memorial Public Library
- Jimmy & Hope's Family Restaurant
- North Village Pharmacy
- Pelham Post Office
- Trang's Diner
- Caswell County Schools
- Shady Grove United Methodist Church Food Pantry
- Brightleaf Hoedown
- Monthly Free Community Lunch
- Various local organization and agency newsletters, websites, & social media sites
- Local apartment complexes



The provision of many survey sites and methods allowed many opportunities for residents to complete the survey. Access to the survey and opportunity for resident feedback is a very important aspect of the CHA process in Caswell County, since members of the general public, minority, and disadvantaged groups often feel their voices are not heard. The CHA is an excellent opportunity for residents to voice their opinions. It is intended for local leaders and agencies to hear those voices so they may use that information in programming and policies. A full list of survey responses including demographic information can be found in *Appendix C*.

## Data Collection

The majority of data collection from secondary sources took place in the early months of 2019. Secondary data includes data shared and collected by agencies other than Caswell County Health department, for example, data collected by the North Carolina State Center for Health Statistics and US Census Bureau. In general and throughout this report, five-year ranges of data are used as often as available to improve statistical reliability due to the small population size of Caswell County. A full list of references can be found in the *References* section at the end of this document. The primary data collected by the Community Health Assessment Survey was compared to the secondary data from outside sources, for example, the US Census Bureau and the North Carolina State Center for Health Statistics. Caswell County's secondary data was also compared to peer counties, neighboring counties, and the state. The survey respondents were, in general, fairly representative of the population of Caswell County. The full survey response demographics are available in *Appendix C*.

## Geographies of Comparison

For the purposes of this report, peer counties include Chowan, Greene, and Warren counties. These counties were selected based on similar population size, age distribution, racial composition, income and education levels. This descriptive information can also be viewed in *Chapter 3: County Description*. Neighboring counties include Alamance, Person, and Rockingham counties. Data for the state of North Carolina is also provided. Caswell County and the comparison counties are starred in the map below.<sup>v</sup> Caswell County is starred in red, peer counties are starred in blue, and neighbor counties are starred in green.



## Data Sharing and Community Engagement

The survey data was formatted to be user-friendly. It was shared with the public through nine different listening sessions with a total attendance of over 100 people. The first test run of the data presentation was shared during a routine meeting of Caswell County Child Serving Agencies in April of 2018. The goal of the test run was to provide opportunity for clarification and streamlining of both the data and the presentation before sharing with additional groups. Results Based Accountability™ (RBA) methods were first tested during a June meeting of community members. Based on this experience, the attendees decided the RBA method was easier to understand and provided more opportunity for group participation. RBA methods were used in the remaining six community listening sessions.

The listening sessions were advertised through social media posts, newspaper calendar submissions, email newsletters, and word of mouth. Several listening sessions were conducted during routine meetings of various community groups or at other times where community residents would be gathered. For example, one listening session was held before the congregate meal at the Senior Center. A full list of community listening sessions may be viewed in the box below.

### Community Listening Sessions

- April 2019: Caswell County Child Serving Agencies Meeting
- May 2019: Pelham Community Center
- June 2019: Caswell County Health Department
- June 2019: Caswell County Health Collaborative Meeting
- June 2019: Caswell County Mental Health & Substance Use Partners Meeting
- July 2019: Congregate Meal at Senior Center
- July 2019: Gunn Memorial Public Library
- August 2019: Caswell County Chapter of the National Association for the Advancement of Colored People (NAACP)
- August 2019: Prospect Hill Community Health Center

During the listening sessions, a short presentation on survey findings (primary data) and available secondary data (for example, data from the Census Bureau and N.C State Center for Health Statistics) was shared with the audiences. Audience members were also given handouts that included the presentation data points plus additional data points. The listening sessions were designed with a primary focus on community feedback; therefore, the data presentation was kept to a minimum. The data presentation slides can be found in *Appendices D and E* and the handouts can be found in *Appendices F and G*.

After presenting a brief overview of data to the audiences, the bulk of the listening session time was spent listening to the attendees. Attendees were asked questions like, “Did any data points stand out to you?”; “Did we miss anything?”; and “What are your experiences (or your family’s experiences) in Caswell County?”. The questions led to additional questions and discussion. Attendees were encouraged to provide insight. This information was then written down on large chart paper and placed where the audience could see the paper. The comments and discussion of the audiences was insightful and extremely valuable to the Community Health Assessment process and provides opportunity to hear lived experiences.

## Community Health Priorities Selection Process

The listening sessions yielded honest and interactive feedback from all attendees. The residents of Caswell County provided perceptive insight on a variety of issues. The health department and partner agencies are grateful for the feedback and participation. Most of the resident comments focused on issues included in the Social Determinants of Health. Further explanation on the topic of Social Determinants of Health can be found in *Chapter 1* of this report. Based on these listening session discussions, the list of health-related priorities was narrowed down to 14 priorities. These 14 issues were raised consistently by community members during all of the community listening sessions. All 14 priorities were listed in the Priorities Voting Survey, which can be viewed in *Appendix H*. A general list of the priorities can be viewed below. A total of 320 residents responded to the Priorities Voting Survey. The complete Priorities Survey responses and paper survey locations can be found in *Appendix I*.

### Community Health Assessment Priorities List *(Listed in no particular order)*

1. Affordable fresh fruits and vegetables
2. Improved race relations
3. Improved local job opportunities
4. Affordable transportation options
5. Improved communication between local organizations/government and residents
6. Structured, positive activities for children and teens
7. A community center for all residents
8. Access to affordable health care options
9. Local access to specialty health care
10. Affordable quality child care
11. Improved community relationships with law enforcement
12. Improved trust and collaboration within local communities and agencies
13. More access to physical activity and recreation facilities
14. Improved local school experiences for students regardless of their backgrounds and abilities

## Finalized Priorities

In January of 2020, the Caswell Chapter of The Health Collaborative functioned as the CHA priorities selection team. This group utilized survey data from the Priorities Survey, along with institutional knowledge and the capacity of the county, to establish the health priorities for this CHA cycle. These priorities are considered leading health problems for Caswell County. **The selected health priorities are structured activities for youth and improved race relations.**

These priorities, as well as primary and secondary data, were presented to the Caswell County Board of Health during the routine meeting in January of 2020. The board agreed to the selected priorities. It is the hope of the CHA team, health department, and Board of Health that addressing these priority issues will meet the needs of the public and improve the health of the community by addressing underlying issues, before they progress into major and/or chronic health problems.

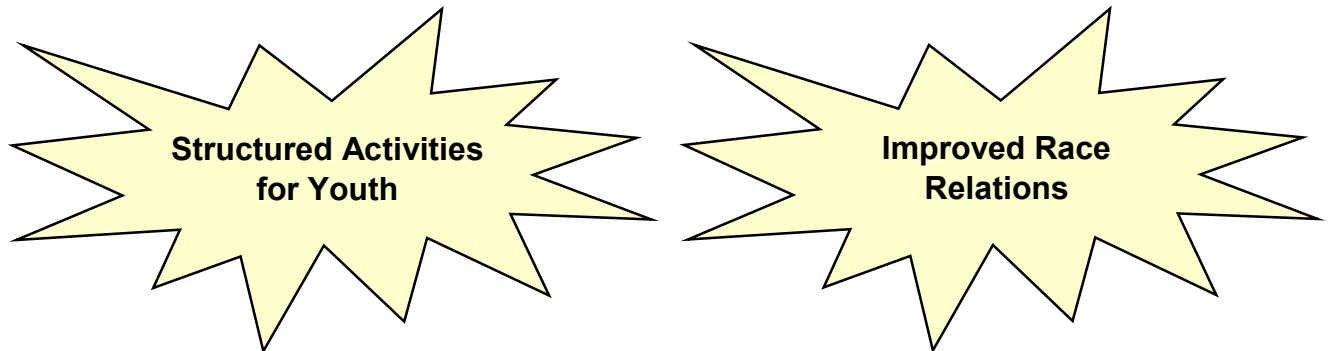
## Top Five Health Priorities

### **Caswell County's Top 5 Health Priorities as identified by the community:**

1. Improved local job opportunities (43.7% of votes)
2. Structured positive activities for children and teens (31.2% of votes)
3. Improved local school experiences for students regardless of their backgrounds and abilities (30.9% of votes)
4. Improved race relations (28.4% of votes)
5. Access to affordable health care options (26.5% of votes)

*Note: Voters each had 3 votes, so percentages will not equal 100%.*

## Final Two Health Priorities



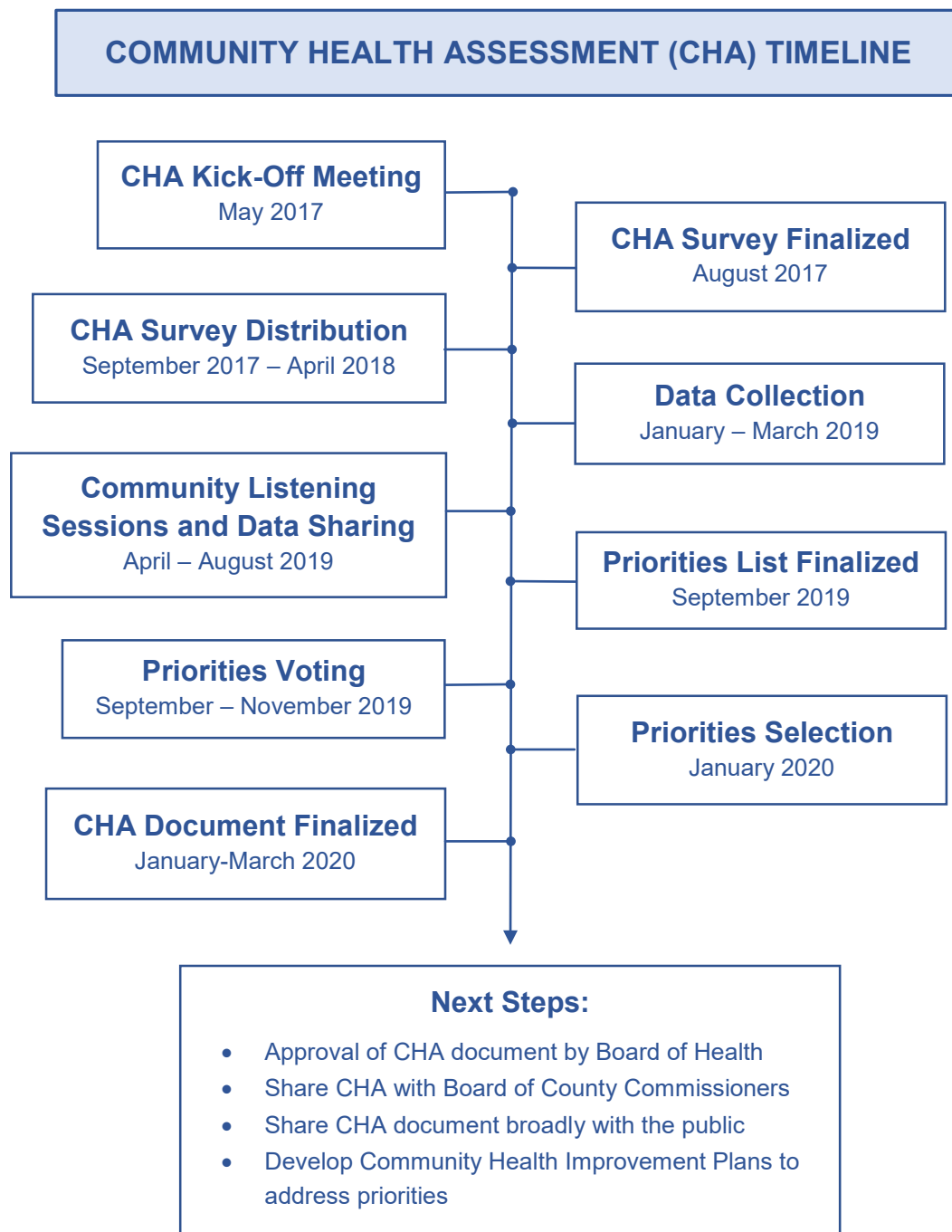
The CHA team and participating residents recognize that there are few structured, positive activities for youth and there is a need for improved race relations and equity. For the purposes of this CHA, “race relations” was the term used to provide clarity, where the term “equity” might be confusing to the general public. The CHA team will work with community members and other agencies to develop a plan to address these issues. Both of these social issues have lifelong impacts on health of individuals and populations. Hopefully by addressing these issues, agencies and residents can work together to improve the health and well-being of the community

## Next Steps

This document will be submitted to the North Carolina Division of Public Health in February of 2020. The information contained in this report will also be shared with the Caswell County Board of Health and the Caswell County Board of Commissioners. The next stage in this process is to develop Community Health Improvement Plans to address the priority areas identified by this CHA report. The CHA team, community agencies, and community members will play a vital role in the development of



the Community Health Improvement Plans (CHIP). These CHIPs are due in September of 2020. The timeline for the CHA process may be viewed below.



## Community Health Assessment Document Location

Copies of this Community Health Assessment report will be distributed to key stakeholders and an electronic version will be posted to the Caswell County Health Department website:

<http://www.caswellinc.us>. The report will be available at the Gunn Memorial Public Library in Yanceyville and additional copies may be requested from the health department. The Health Department also welcomes any further input and volunteers from the community. The Health Department may be reached at (336) 694-4129.

# CHAPTER 3 COUNTY DESCRIPTION

Caswell County is located in north-central North Carolina. Acres of forest, fields of crops, rolling pastures, miles of winding country roads and meandering streams create the backdrop for Caswell's rich history. Nestled among Person, Orange, Alamance, and Rockingham counties, and it is bounded by the state of Virginia to the north. The county has a total land area of 424.92 square miles.

Caswell County was formed on May 9, 1777 and was named in honor of Richard Caswell. Richard Caswell was a member of the first Continental Congress, Major General in the Revolutionary army, and first governor of North Carolina after the Declaration of Independence. On February 1, 1792, Caswell was reduced in size when Person County was formed from its eastern half. Prior to the Civil War, Caswell was one of the wealthiest counties in the state.

Agriculture represents a vital part of Caswell County's history. The brightleaf tobacco curing process originated in Caswell and tobacco production was once an important industry in the county. In more recent years, tobacco production has declined in the county, but maintains an important place in heritage and history. Many county residents reflect fondly back on the importance of tobacco to both the community and personal or familial histories. In addition to tobacco, the agriculture production in Caswell County includes soybeans, corn, grains, hay, and various types of livestock.

Caswell County is conveniently located within an easy driving distance from Greensboro, Raleigh, Durham, and Chapel Hill. A testament to the rural nature of the county, the only four-lane interstate highway is US Highway 29, which courses through less than ten miles of the northwest corner of the county. The majority of the roadways in the county are two lane highways and country roads. The Norfolk Southern Railway travels along US Highway 29 with less than ten miles of railroad through the county. The county is not served by taxi or cab service, ride-sharing services (like Uber or Lyft), passenger rail or bus services and there is no public airport.

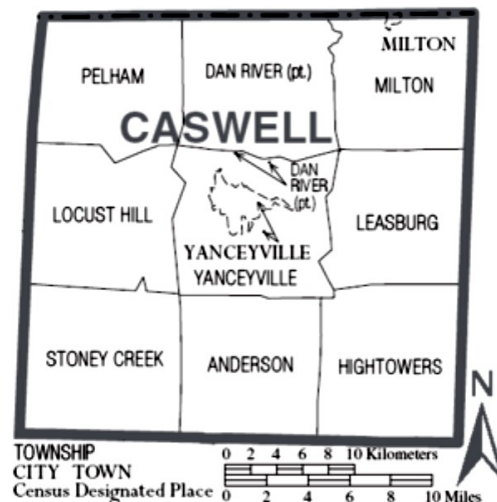
## Demographic Information

Demographic information provides insight into the population composition of an area. This information can guide the planning of projects and programs. For reference, throughout this report, Caswell County is compared to peer counties, neighboring counties, and the state of North Carolina. Both peer and neighboring counties are included since Caswell County is more rural and less similar to neighboring counties. As stated previously, five-year rates are used as often as possible to increase statistical reliability due to the small population size.

### Population Size and Density

Caswell County is divided into nine townships and includes two municipalities, Yanceyville and Milton.<sup>vi</sup> The 2013-17 American Community Survey estimates a population of 2,297 people for Yanceyville and a population of 177 people for Milton.<sup>vii</sup>

The population density information table on the next page shows the population density as it compares



Map Source: Caswell County Historical Association<sup>vi</sup>

Caswell County to peers, neighbors, and the state. Caswell County has the lowest population density, with the exception of Warren County.<sup>viii</sup>

Population Density Information								
	Caswell	Chowan	Greene	Warren	Alamance	Person	Rockingham	NC
Total Population	22,833	14,370	21,059	20,190	157,844	39,240	91,566	10,052,564
Land mass (sq. mi.)	425	233	266	444	435	404	573	48,618
Population per sq. mi.	53.7	61.7	79.2	45.5	362.9	97.1	159.8	206.8

Source: 2013-17 ACS, US Census Bureau

### Population Size Change

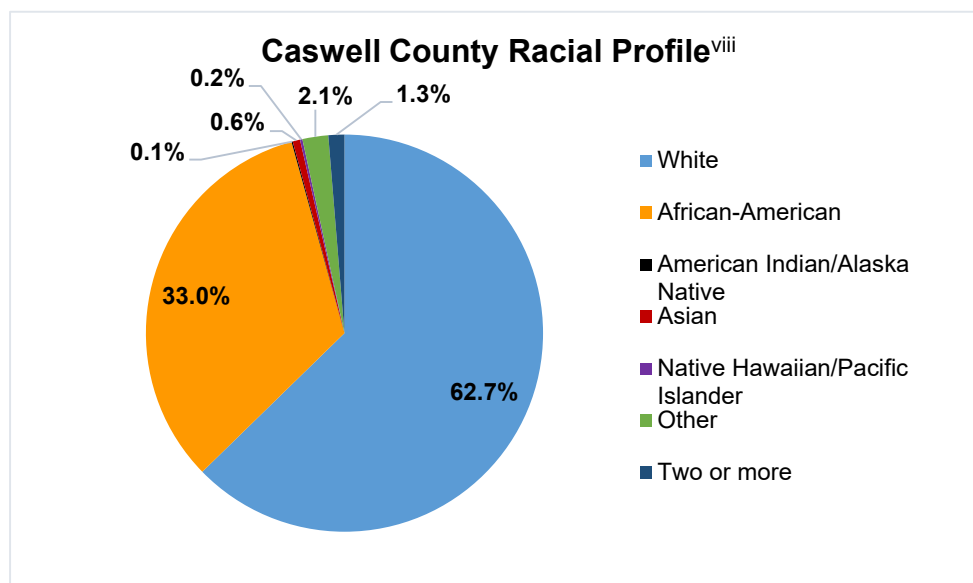
Another aspect of population size to consider is the population size changes. While the state and some of Caswell's neighboring counties experience population size growth, Caswell County population has decreased since the year 2000. The population of North Carolina has increased by 24% since the year 2000, while Caswell County has decreased by 2.9% for the same time period.<sup>ix</sup>

Population Change			
Geographic Area	2000	2013-17	Percent Change
Caswell	23,527	22,833	-2.9%
Alamance	131,423	157,844	20%
Person	35,759	39,240	9.7%
Rockingham	92,090	91,566	-0.5%
NC	8,081,614	10,052,564	24%

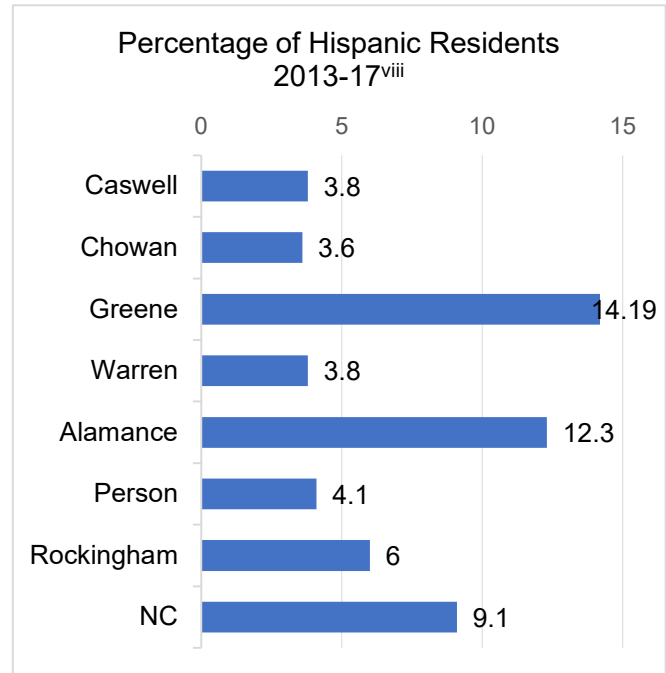
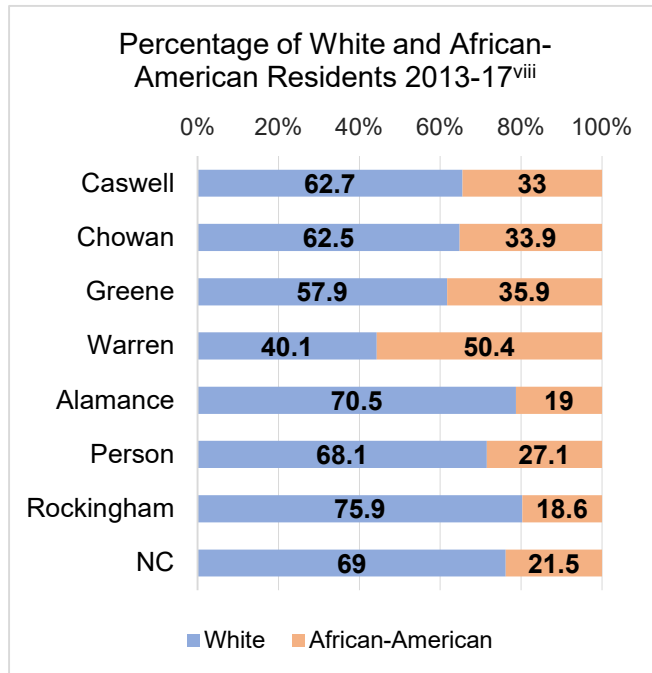
Source: US Census Bureau<sup>ix</sup>

### Race and Ethnicity

Caswell County has a lower percentage of white residents, but is also less diverse in terms of other racial and ethnic backgrounds when compared to the state. Caswell County also has a lower percentage of white residents in comparison to neighboring counties. The graph below shows the percentage of white and African-American residents for Caswell County, peers, neighbors and the state. Caswell County residents are 62.7% white and 33% African-American. For the remaining racial groups, Caswell County has 0.1% American Indian or Alaska Native, 0.6% Asian, 0.2% Native Hawaiian or Pacific Islander, 2.1% other, and 1.3% two or more racial groups.<sup>viii</sup>



African-American and white population groups make up over 95% of residents and for ease in visualization purposes, other racial groups have not been included in the graph below.<sup>viii</sup> In terms of ethnicity, Caswell County has 3.8% of residents who identify as Hispanic. This percentage is lower than neighboring counties and the state. It is similar to two of the three peer counties, whereas Greene County has a much higher percentage of Hispanic residents in comparison to other peer counties.<sup>viii</sup>



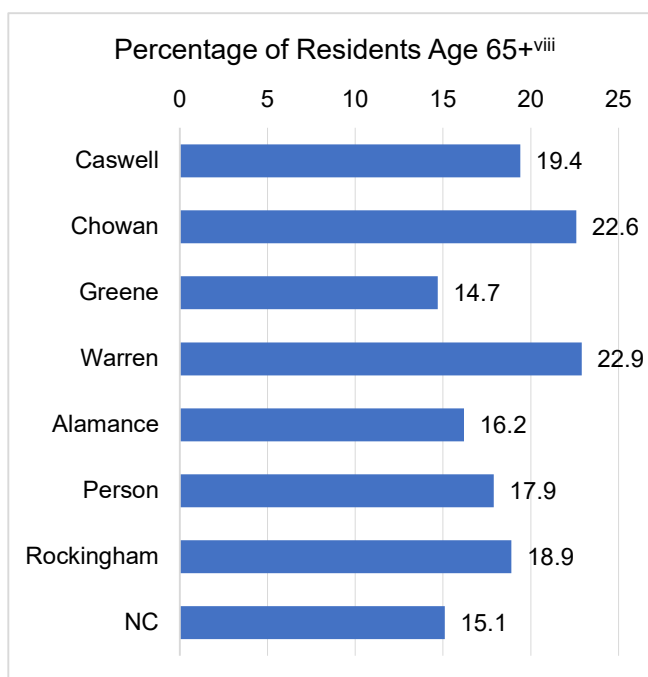
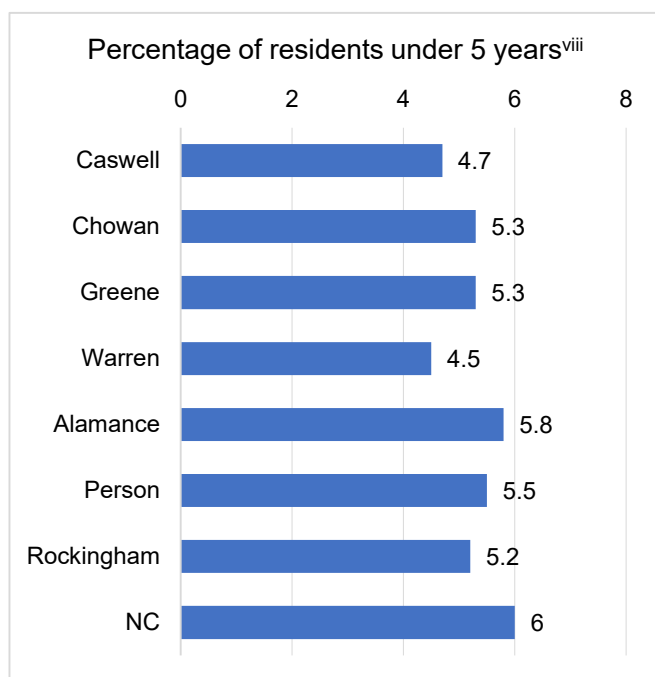
## Age Distribution

Age distribution of a population can help provide insight into a community's needs and resources, since different age groups will have different needs and experiences. Caswell County has an older population with a median age of 45.4 as compared to neighboring counties and the state. In comparison to peer counties, Caswell has an older population than Chowan and Greene, but younger than Warren County. Median age of residents information can be viewed in the table to the right.<sup>viii</sup>

Median Age of Residents	
Geographic Area	Median Age
Caswell County	45.4
Chowan County	44.7
Greene	40.4
Warren	47.2
Alamance	39.7
Person	43
Rockingham	44.4
North Carolina	38.4
Source: US Census Bureau <sup>viii</sup>	

Caswell County also has fewer young children under 5 years of age when compared to neighboring counties, the state and almost all peer counties, with the exception of Warren County. In Caswell County, 4.7% of the population is under 5 years of age.<sup>viii</sup> In terms of the population 65 years of age and older, 19.4% of Caswell County's residents are of this age group. This is higher than neighboring counties and the state; however, Chowan and Warren have a higher percentage of older residents in comparison to Caswell. Greene County has the lowest percentage of older adults in comparison to the other counties in this report and the state.<sup>viii</sup> Comparison graphs for residents under five years and residents 65 and up can be viewed on the next page.





## Socioeconomic Information

In addition to demographic factors, socioeconomic factors also play a role in the health of a community. Demographic and socioeconomic factors are closely related and difficult to separate. Income can influence financial stress and health risk factors. As mentioned earlier in this report, the health of a community is 40% socioeconomic factors, when considering the social determinants of health, where 20% is determined by clinical services, 30% is health behaviors like tobacco use and diet and exercise, and the remaining 10% is the physical environment.<sup>ii</sup>

### Income

Per capita income is the average income earned per person in a particular area. For 2013-17, Caswell County has a per capita income of \$21,692, which is lower than all neighboring counties and the state, but higher than two peer counties. All counties used in this report have a lower per capita income as compared to the state.<sup>x</sup> Median earnings for workers is the middle point where half of workers earn more and half earn less. Households typically use an average number of persons per household where median earnings for workers is based on an individual's earnings. The median earnings figure for Caswell County residents is \$27,917 for the period of 2013-17.<sup>x</sup> This information can be viewed in the "Income and Earnings" table.

In addition to per capita, other income measures include median and mean household incomes. Median household income is the point where half of

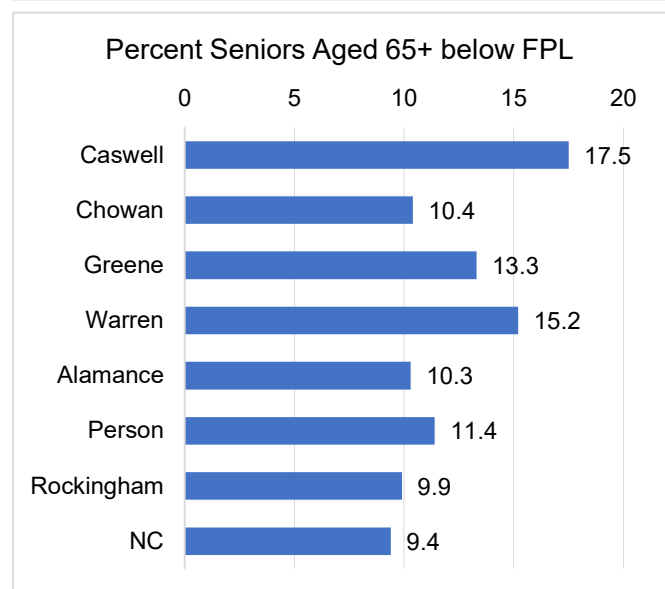
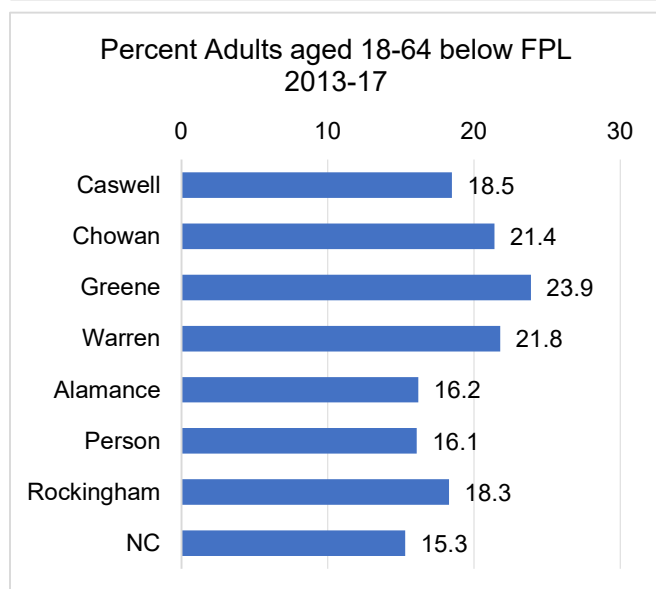
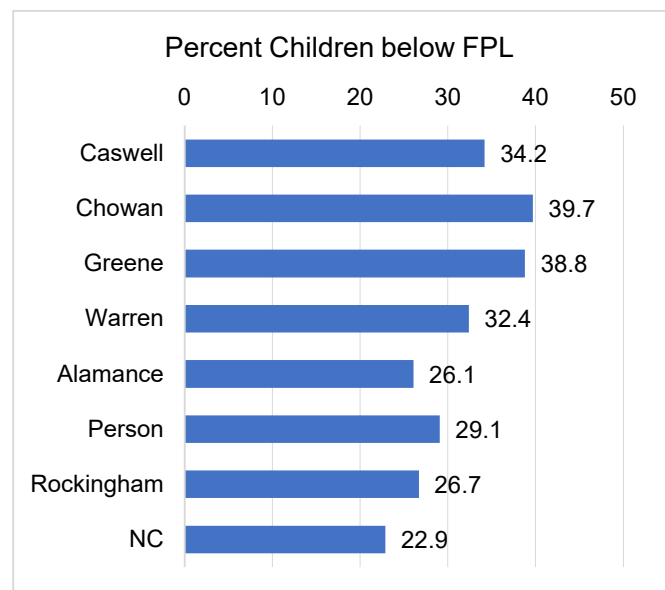
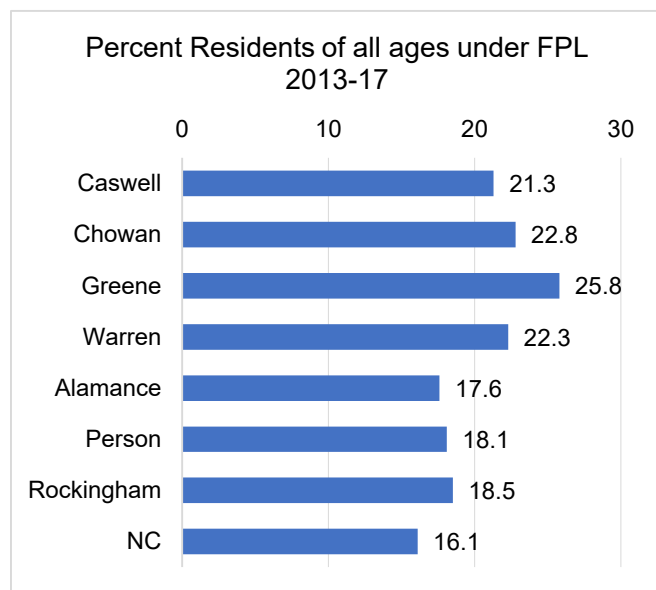
Income and Earnings 2013-17		
Geographic Area	Per Capita	Median Earnings
Caswell	\$21,692	\$27,917
Chowan	\$23,542	\$26,623
Greene	\$18,662	\$23,732
Warren	\$21,543	\$26,553
Alamance	\$25,157	\$28,422
Person	\$24,477	\$31,101
Rockingham	\$22,521	\$27,856
North Carolina	\$28,123	\$30,326
Source: US Census Bureau <sup>x</sup>		

Household Income 2013-17 <sup>x</sup>		
Geographic Area	Median	Mean
Caswell	\$39,428	\$52,548
Chowan	\$41,979	\$55,192
Greene	\$36,989	\$49,933
Warren	\$35,443	\$50,514
Alamance	\$44,281	\$61,661
Person	\$44,921	\$58,792
Rockingham	\$41,700	\$53,674
North Carolina	\$50,320	\$70,523

households earn more and half earn less. Mean household income is the average household income in an area. In Caswell County, the median household income is \$39,428 and the mean household income is \$52,548.<sup>x</sup> These figures are for the 2013-17 period.<sup>x</sup> Caswell County residents have lower incomes than neighboring counties and the state. All counties compared in this report have lower incomes than the state. This information can be viewed in the “Household Income” table on the previous page.

## Poverty

The percentage of residents below the federal poverty level (FPL) is another economic data point. For 2017, the federal poverty level was \$12,060 for a household of one person and \$16,240 for a household of two persons. For households over two persons, add \$4,180 for each additional member.<sup>xi</sup> In Caswell County for the 2013-17 period, 21.3% of residents of all ages were below the FPL, as well as 34.2% of those under 18 years and 18.5% of those aged 18-64. These figures are higher than neighbor counties and the state, but lower than peer counties. However, in the 65 and older age group of the same time period, 17.5% of Caswell County residents were below the federal poverty level. This is a higher percentage than all peer and neighbor counties and the state.<sup>x</sup> This information on resident poverty can be viewed in the graphs below.

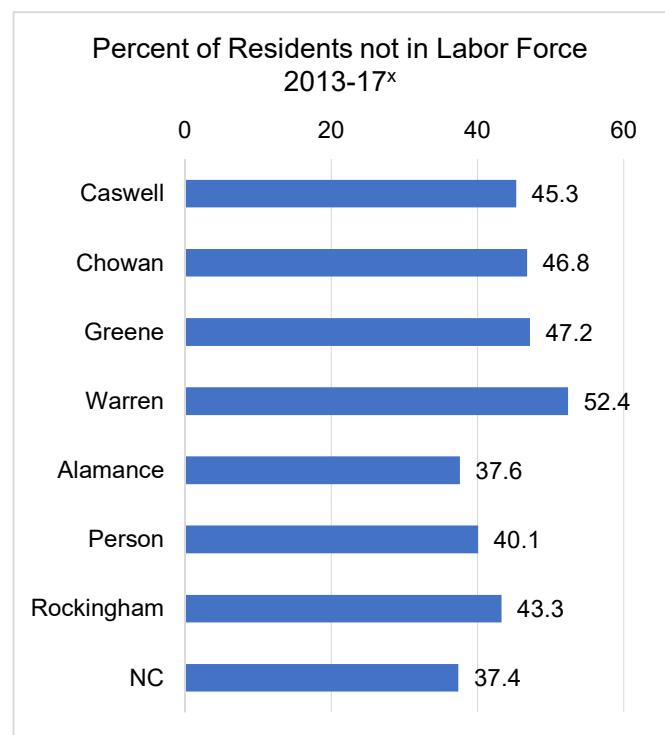
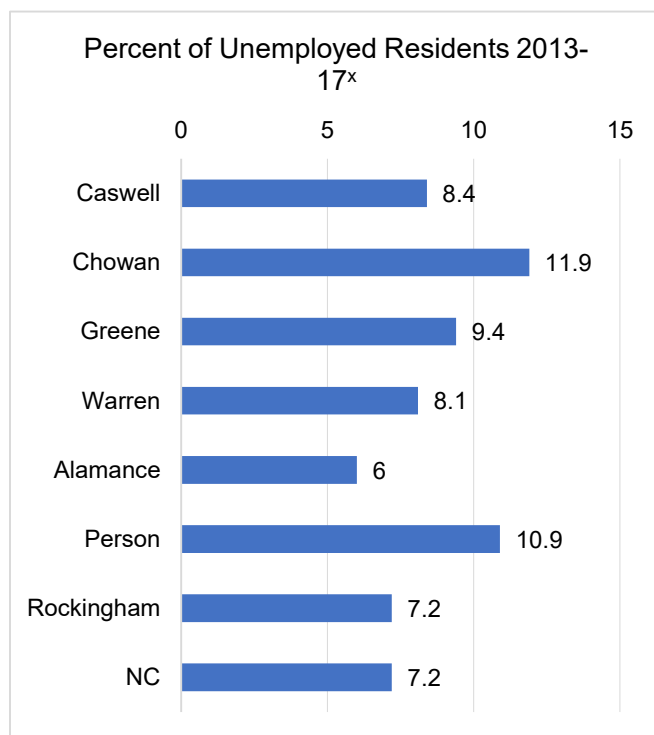


Related to poverty, 19.2% of Caswell County residents received benefits through the Simplified Nutritional Assistance Program (SNAP) as compared to 13.7% of NC residents for the 2013-17 period. This benefit program is sometimes referred to as Food Stamps.<sup>x</sup> This information can be viewed in the table to the right.

Percentage of Residents Receiving SNAP Benefits 2013-17 <sup>x</sup>	
Geographic Area	Percentage
Caswell County	19.2%
Chowan County	23.6%
Greene County	24.7%
Warren County	19.5%
Alamance County	15.5%
Person County	20.1%
Rockingham County	17.2%
North Carolina	13.7%

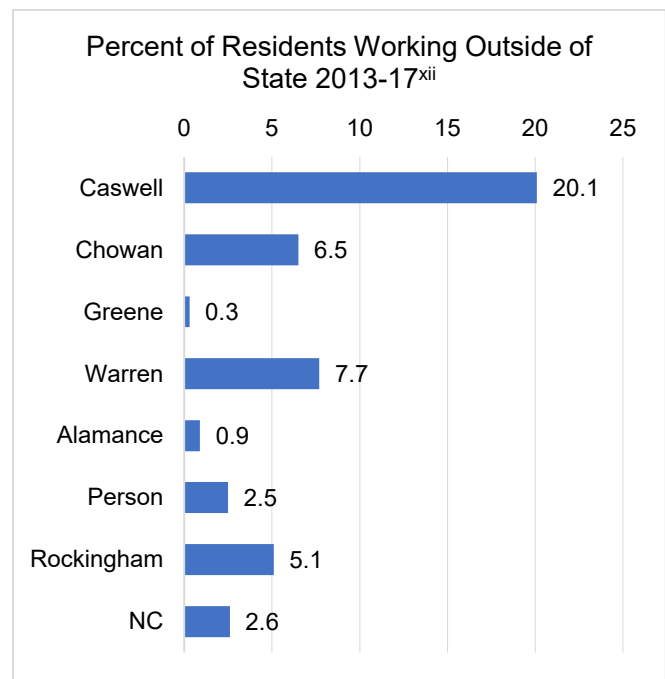
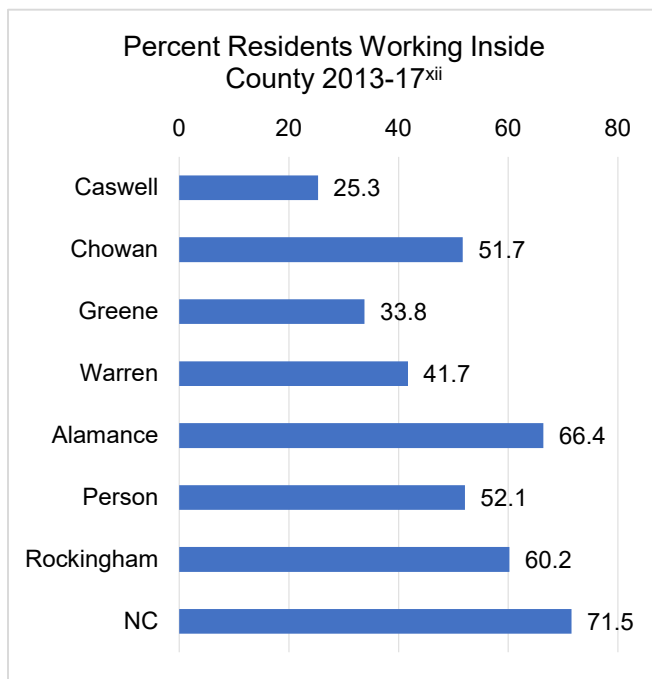
## Employment

Employment or unemployment rates are another factor directly associated with the economic status of a population. For the 2013-17 period, Caswell County had an unemployment rate of 8.4%, which is lower than the state rate of 7.2%.<sup>x</sup> In addition, 45.3% of Caswell County residents are not in the labor force, which is a higher figure than neighboring counties and the state.<sup>x</sup> The U.S. Census Bureau defines those not in the labor force as persons who are institutionalized, retired, homemakers, students, or seasonal employees who are not looking for employment during the off season. This information is shown in the graphs below.



## Commuting Characteristics

Commuting characteristics are related to the employment and economic status of an area. In Caswell County, only 25.3% of residents worked inside the county, which is a lower figure than all peer and neighbor counties, as well as the state. Additionally, 20.1% of Caswell County residents worked outside the state, which is a figure significantly higher than the comparison counties and the state.<sup>xii</sup> This information can be viewed in the graphs on the next page.



The mean travel time to employment is another economic factor. Caswell County residents travel an average of 30.1 minutes to their place of employment, which is higher than the state and most peer and neighboring counties, with the exception of Person County. Person County residents travel an average of 30.7 minutes, which is very similar to Caswell County residents.<sup>xii</sup> This information can be viewed at right.

Mean (Average) Travel Time in Minutes 2013-17 <sup>xii</sup>	
Geographic Area	Time
Caswell County	30.1
Chowan County	28.2
Greene County	25.8
Warren County	28.5
Alamance County	23.6
Person County	30.7
Rockingham County	25.6
North Carolina	24.3

Directly related to the commuting characteristics is the lack of employment opportunities within Caswell County. The top employers in the county are the school system, county government, and the North Carolina Department of Public Safety. The Department of Public Safety jobs primarily spread across two local prisons. A full listing of the top 10 employers is below. This information is the second quarter of 2019, which is the most current data available at the time of this report.<sup>xiii</sup>

Rank	Company Name	Industry	Employment Range
1	Caswell County Schools	Education & Health Services	250-499
2	County of Caswell	Public Administration	250-499
3	Dept of Public Safety	Public Administration	250-499
4	W S Construction	Construction	100-249
5	Ssc Yanceyville Operating Company	Education & Health Services	50-99
6	Carolina Qsc Management Llc	Leisure & Hospitality	50-99
7	Piedmont Community College	Education & Health Services	50-99
8	Food Lion	Trade, Transportation, & Utilities	50-99
9	CertainTeed Gypsum Nc Inc	Manufacturing	50-99
10	Caswell House	Education & Health Services	50-99

Also of relevance to commuting characteristics, 10% of occupied homes had no vehicle in Caswell County for the 2013-17 period.<sup>xiv</sup> This figure is higher than all peer and neighbor counties, as well as the state. Caswell County has no public transportation system and no taxi or ride sharing services. Additionally, few residents live within safe walking distance of services and amenities, like places of employment, recreation sites, stores, and medical services. This information is shown in the table to the right.

Percentage of Occupied Homes with No Vehicle 2013-17 <sup>xiv</sup>	
Geographic Area	Percentage
Caswell County	10%
Chowan County	9.4%
Greene County	7.7%
Warren County	8.7%
Alamance County	5.5%
Person County	8.8%
Rockingham County	7.5%
North Carolina	6.1%

## Housing

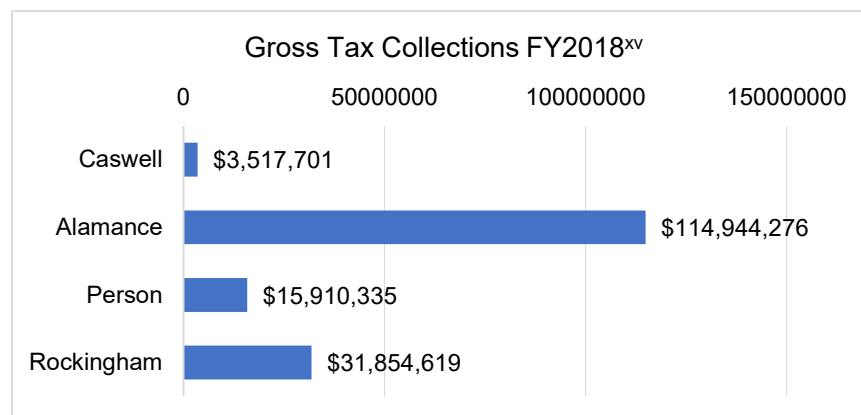
In terms of housing, the median value of owner-occupied homes in Caswell County is \$104,700. This figure is lower than the state, peer and neighbor counties, with the exception of Greene and Warren.<sup>xiv</sup> Lower home values are both a positive and negative. Mortgage payments are lower, but at the same time, equity and tax base is lower. This lower tax base limits operational budget and opportunity for programming and community improvements. The median rent in Caswell County is \$557. This figure is lower than all peer and neighbor counties, as well as the state. In addition, 27.6% of homes in Caswell County are mobile homes, which is lower than peer counties, with the exception of Chowan County, but higher than neighbor counties and the state.<sup>xiv</sup> This information can be viewed in the below tables.

Housing Costs 2013-17 <sup>xiv</sup>		
Geographic Area	Median Home Value	Median Rent
Caswell	\$104,700	\$557
Chowan	\$128,300	\$737
Greene	\$85,700	\$652
Warren	\$93,900	\$604
Alamance	\$145,500	\$774
Person	\$118,500	\$649
Rockingham	\$109,600	\$635
North Carolina	\$161,000	\$844

Percent Mobile Homes 2013-17 <sup>xiv</sup>	
Geographic Area	Percentage
Caswell County	27.6%
Chowan County	21.6%
Greene County	36.5%
Warren County	35%
Alamance County	12.6%
Person County	22.5%
Rockingham County	17.1%
North Carolina	13.2%

## Gross Tax Collections

Caswell County collected \$3,517,701 in gross taxes, which is lower than all neighbors and peers, with the exception of Greene County.<sup>xv</sup> Neighboring counties all have significantly higher tax collections, due to more industry and businesses. For ease in visualization, only neighbor counties are included in the graph below.



## Economic Tier Designation

The North Carolina Department of Commerce groups counties into three tiers based on economic factors. Tier 1 counties are the 40 most economically distressed counties. Tier 2 counties are the next 40 distressed counties and Tier 3 counties are the 20 least distressed counties. Caswell County is a Tier 1 county, which makes it one of the 40 most economically distressed counties in North Carolina. The tier designations of peer and neighboring counties can be viewed in the table to the right.<sup>xvi</sup>

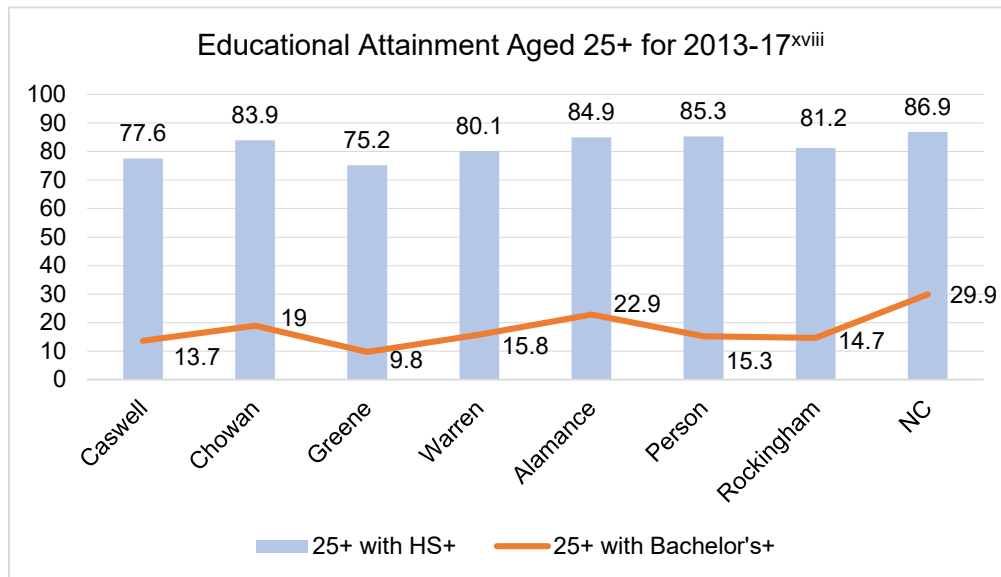
Economic Tiers 2020 <sup>xvi</sup>	
County	Tier
Caswell	1
Chowan	1
Greene	1
Warren	1
Alamance	2
Person	2
Rockingham	1

## Other Descriptive Factors

### Education

Educational attainment of residents has a large effect on health, since education has a direct relationship with income potential. Additionally, education is related to health literacy. Health literacy can impact the ability to navigate the health care system and manage chronic conditions. The graduation rate of Caswell County students is 84.3% as reported to the NC Department of Public Instruction for the graduation period of the 2017-18 school year, which was the latest date available at the time of this report. A total of 210 students graduated in the 2017-18 school year for Caswell County. The graduation rate for the state of North Carolina was 86.3% of students for the same time period.<sup>xvii</sup>

In terms of adult residents aged 25 and older, 77.6% of Caswell County residents have a high school diploma or equivalent and 13.7% have a bachelor's degree or higher for the 2013-17 period. These figures are lower than the state and peer and neighbor counties, with the exception of Greene County.<sup>xviii</sup> This information can be viewed in the below graph.

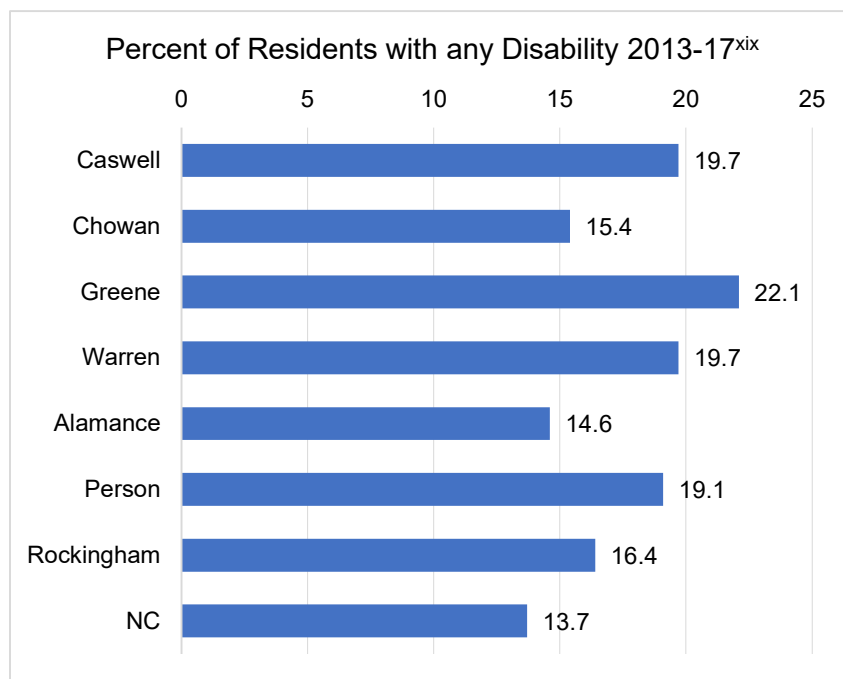


### Disability

Disability status play a direct role in employment opportunities and quality of life factors. In Caswell County, 19.7% of residents had any disability for the 2013-17 period.<sup>xix</sup> This figure is higher than the



state, peer and neighbor counties, with the exception of Greene and Warren counties. The graph below illustrates these figures.



## Crime

Crime is also a factor relevant to health, since actual and perceived rates of high crime levels can lead to feelings of stress and anxiety. In addition to the negative health impact of fear and anxiety itself, the fear and anxiety can cause residents to avoid recreational activity, which is sometimes correlated with weight management troubles and other chronic conditions. Caswell County is fortunate to experience lower reported crime rates than the state. Crime rates are reported per 100,000 residents. The data is collected by the North Carolina State Bureau of Investigation and based upon Uniform Crime Reporting Data. Caswell County has lower index compared to all counties of comparison and the state with the exception of Person County. Caswell County's property crime rate is higher than Chowan and Person Counties, but lower than the other points of comparison. In terms of violent crime, Caswell County has a lower rate than all other comparison areas.<sup>xx</sup>

Crime Rates 2017 <sup>xx</sup>			
Geographic Area	Index	Violent	Property
Caswell County	1967.7	200.2	1767.5
Chowan County	2074.9	454.1	1620.8
Greene County	2262.5	225.3	2037.2
Warren County	2395.8	212.4	2183.4
Alamance County	2900.8	503.6	2397.2
Person County	1957.0	322.0	1635.0
Rockingham County	2784.0	299.3	2484.7
North Carolina	3061.5	383.7	2677.8

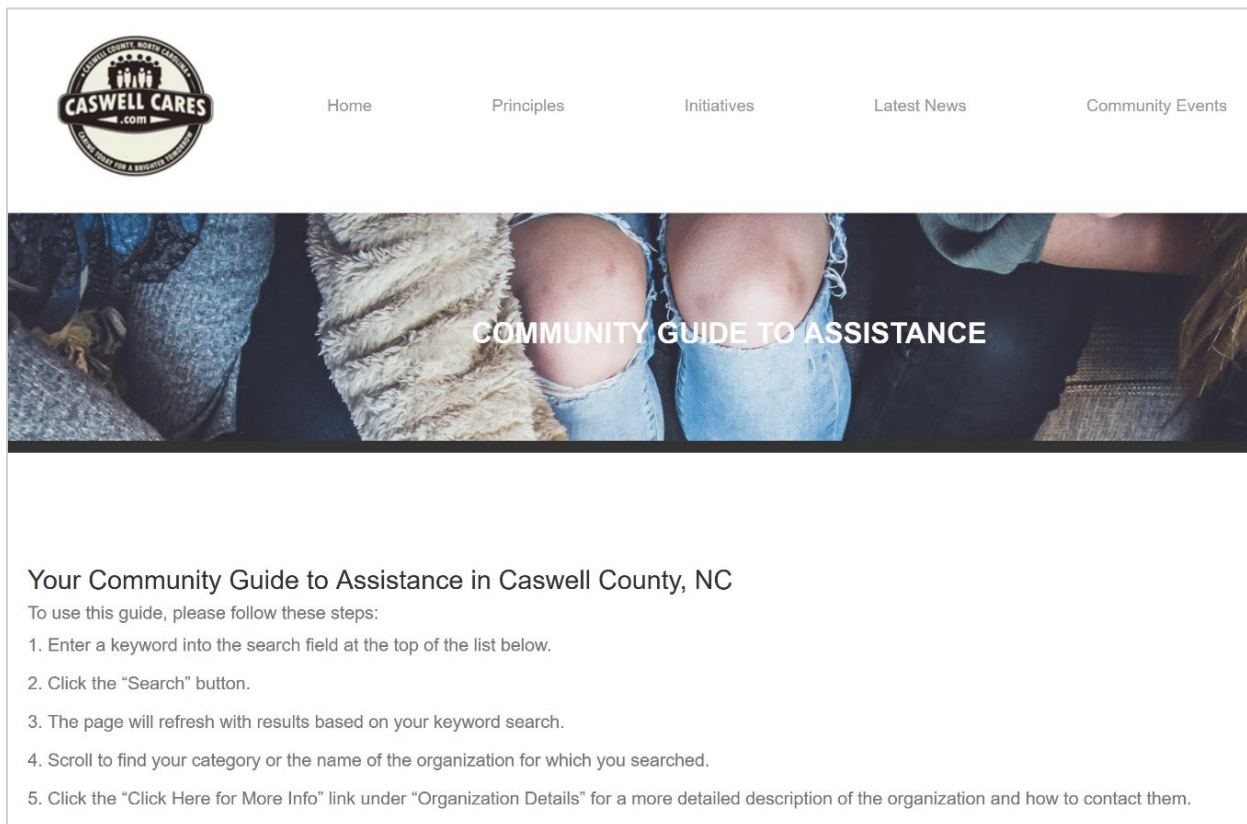
Index crime refers to the total of both violent and property crimes. Violent crime includes murder, forcible rape, robbery, and aggravated assault. Property crime includes burglary, larceny, and motor vehicle theft. Arson is considered an index crime, but is not included in the crime index tables.

## Community Resources

Community resources play a role in the health and health-related behaviors of a community. Both the Social Determinants of Health framework and the County Health Rankings Model highlight the importance of environmental, neighborhood, and community factors in addition to the traditional factors of health behavior and health care in overall health. More information on these two models may be found in *Chapter 1*.

As with many other services, residents of Caswell County must leave the county to find a wider selection of health care services and other amenities, such as recreation facilities, grocery or department stores. There is no hospital in Caswell County and the county is not represented by any one hospital system. There is one pharmacy and there are four medical clinics. The health department is one of these medical clinics. The health department provides primary care services in addition to the traditional public health roles of immunizations, child health, family planning, maternal health, and communicable disease services. Many community organizations and nonprofits that serve Caswell County are based in other counties. In terms of day-to-day community needs, there is only one full service grocery store in Caswell County, with convenience and dollar stores filling some of the remaining gaps. It is worth mentioning that these convenience and dollar stores generally do not sell much healthy food or other health-related items. There is plenty of room for improvement in terms of community resources, but little incentive for these resources to locate in Caswell County. Therefore, residents do the best they can with what is available.

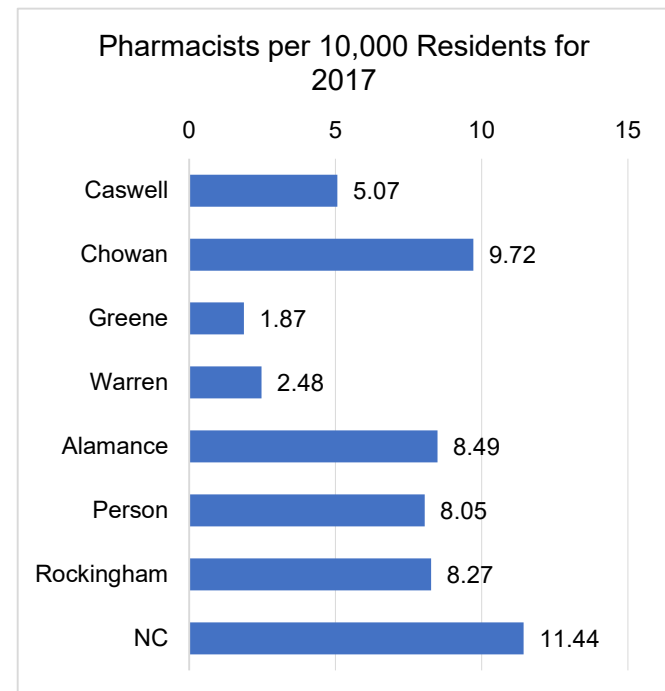
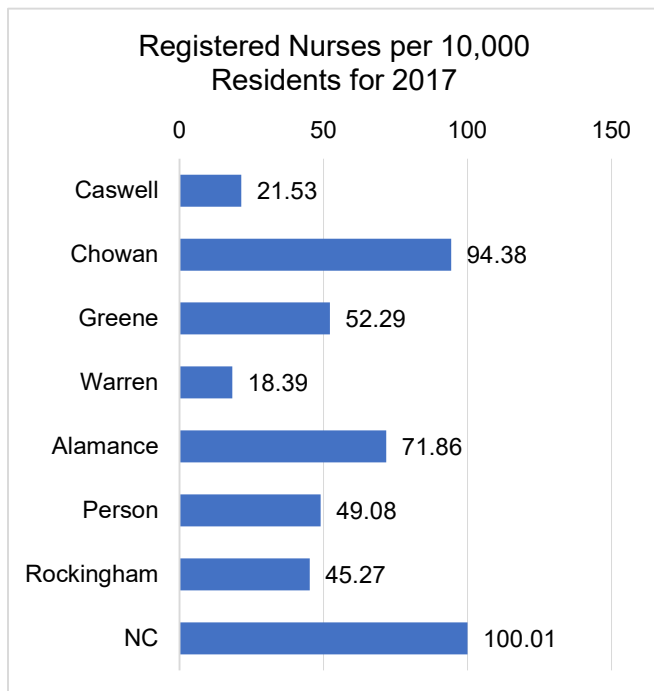
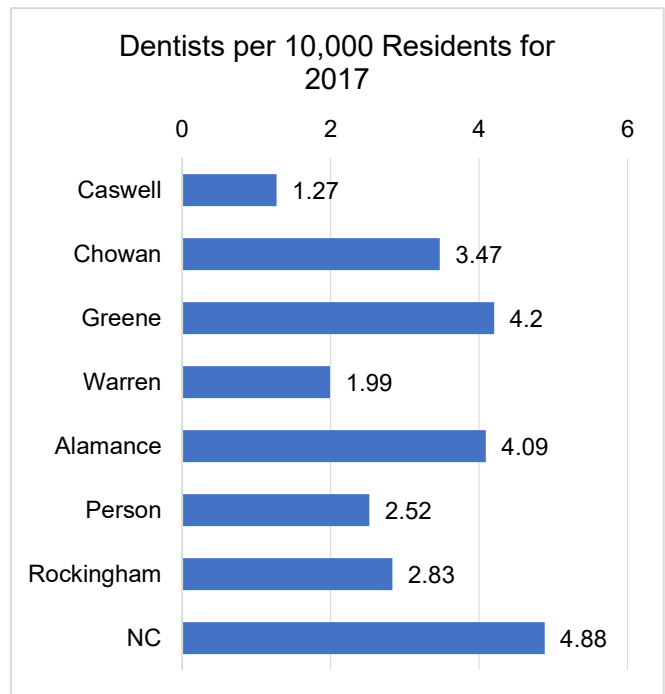
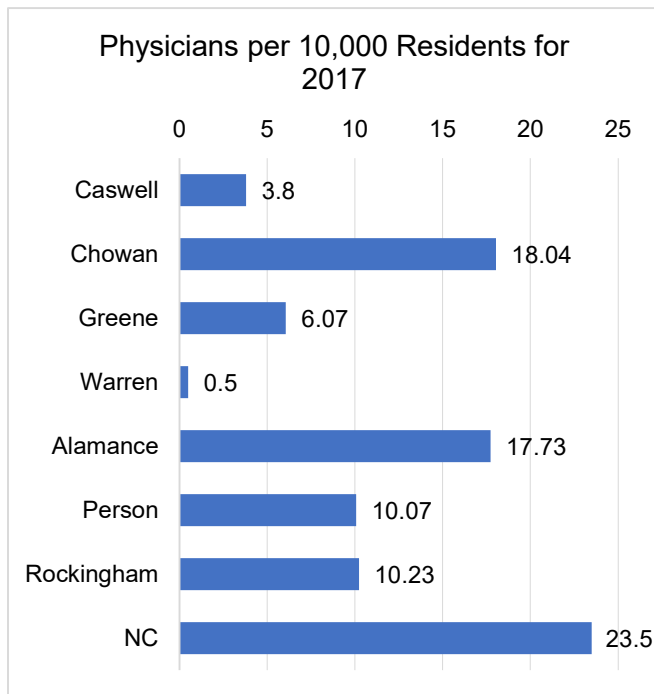
An electronic version of the resource directory can be found at: <http://caswellcares.com/community-guide-to-assistance/>, which is maintained by Caswell Cares. Caswell Cares is the Caswell version of United Way. A full list of resources can be found in *Appendix J*.



The screenshot shows the Caswell Cares website. At the top left is the Caswell Cares logo, which is a circular seal with the text 'CASWELL CARES' and 'COUNTY OFFICE: 1000 CASWELL COUNTY, NC 28520'. To the right of the logo are five navigation links: 'Home', 'Principles', 'Initiatives', 'Latest News', and 'Community Events'. Below the navigation links is a large banner image showing a close-up of a person's legs in blue jeans, with the text 'COMMUNITY GUIDE TO ASSISTANCE' overlaid in white. Below the banner, the text reads 'Your Community Guide to Assistance in Caswell County, NC'. Underneath this, it says 'To use this guide, please follow these steps:' followed by a numbered list of five steps: 1. Enter a keyword into the search field at the top of the list below. 2. Click the "Search" button. 3. The page will refresh with results based on your keyword search. 4. Scroll to find your category or the name of the organization for which you searched. 5. Click the "Click Here for More Info" link under "Organization Details" for a more detailed description of the organization and how to contact them.

## Health Care Professional Ratios

The North Carolina Health Professions Data System is a storage center of data on selected licensed health professionals in the state. This data is maintained by the Program on Health Workforce Research and Policy through UNC-Chapel Hill's Sheps Center for Health Services Research and some other project partners. This data may be accessed online at <https://nchealthworkforce.unc.edu/supply/>. As mentioned earlier in this report, there is no hospital in Caswell County and few health care providers. As a result, there are very few health care providers to a relatively large number of residents. The below graphs include information on physicians, dentists, registered nurses, and pharmacists.

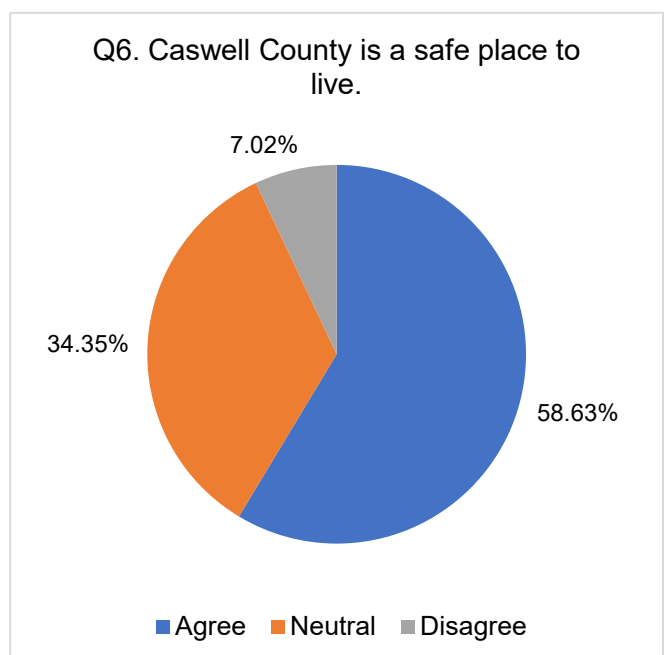
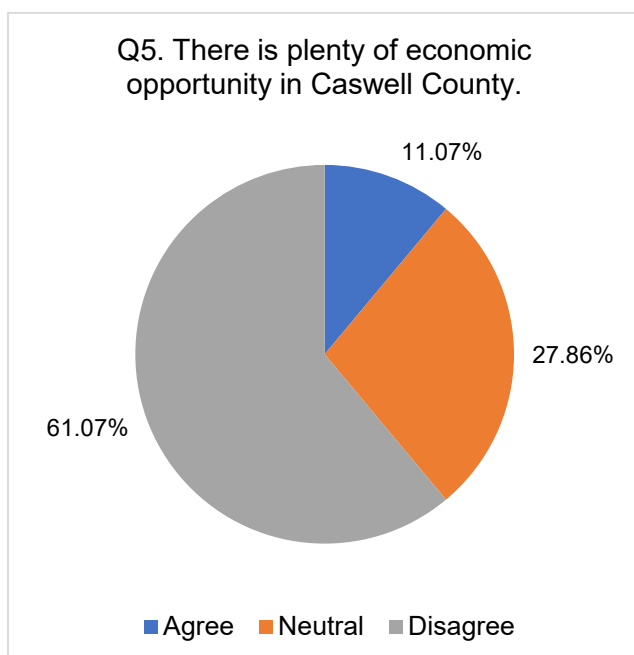
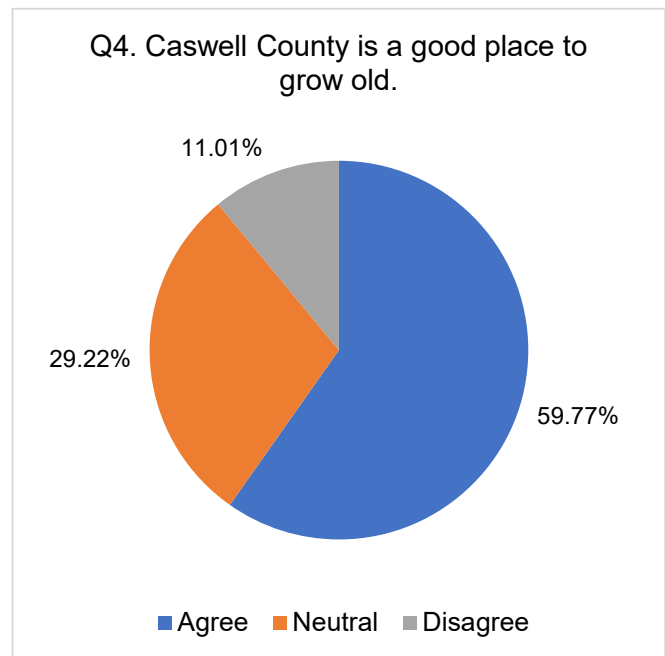
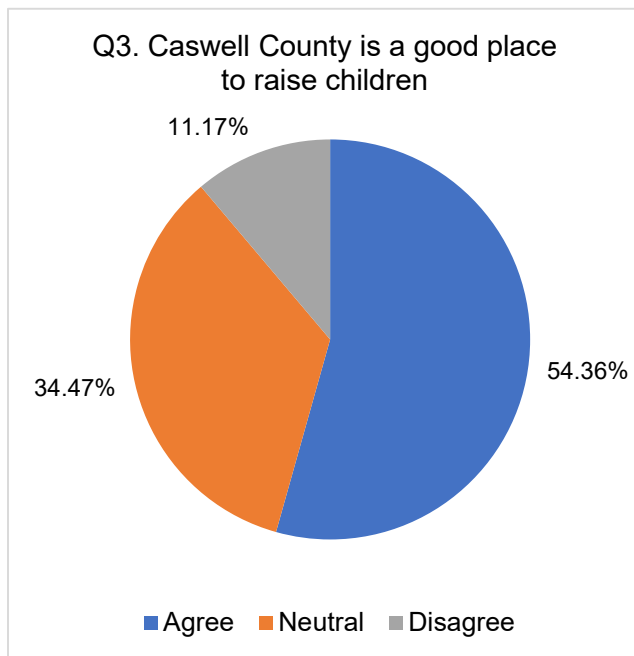


## Selected Community Health Assessment Survey Responses

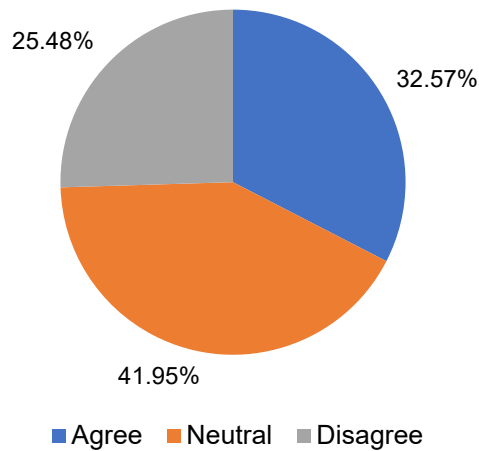
The Community Health Assessment survey was completed by 543 individuals and the demographics of the respondents are representative of the county, however more women than men filled out the survey, which is an ongoing challenge for Caswell and most other counties throughout the state. A number of CHA Survey questions focused on quality of life concerns and health related concerns. This feedback can be used in future planning efforts to increase or enhance existing resources. *A full listing of all Community Health Assessment (CHA) Survey responses, including demographics, can be found in Appendix C.*

### Quality of Life Survey Information

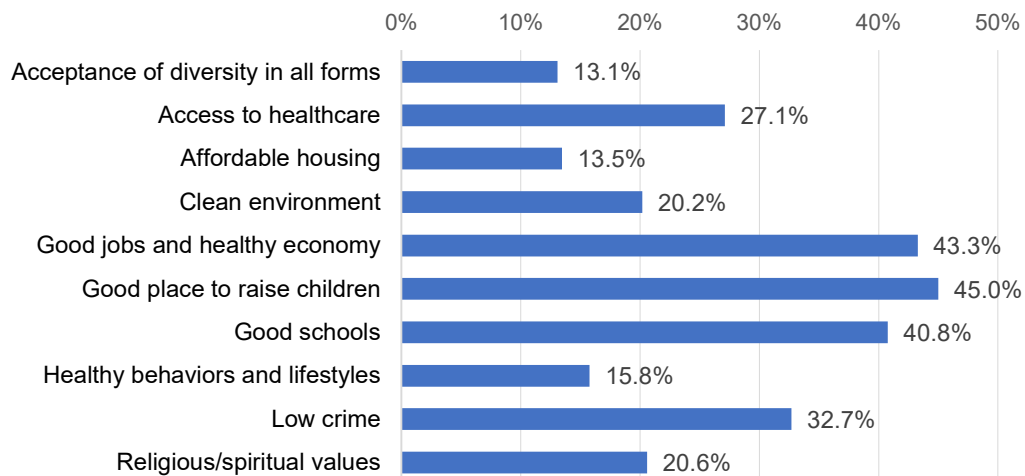
The below survey response graphs provide additional insight into community needs as it relates to quality of life concerns.



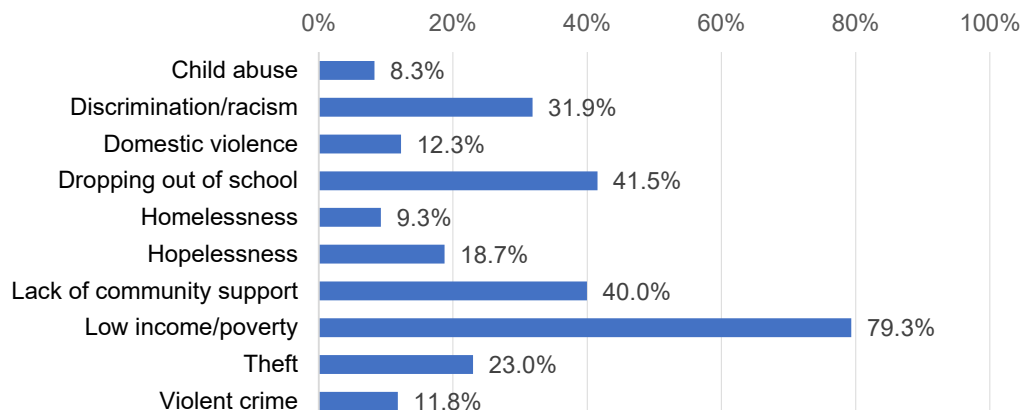
Q7. There is plenty of help for people during times of need in Caswell County.

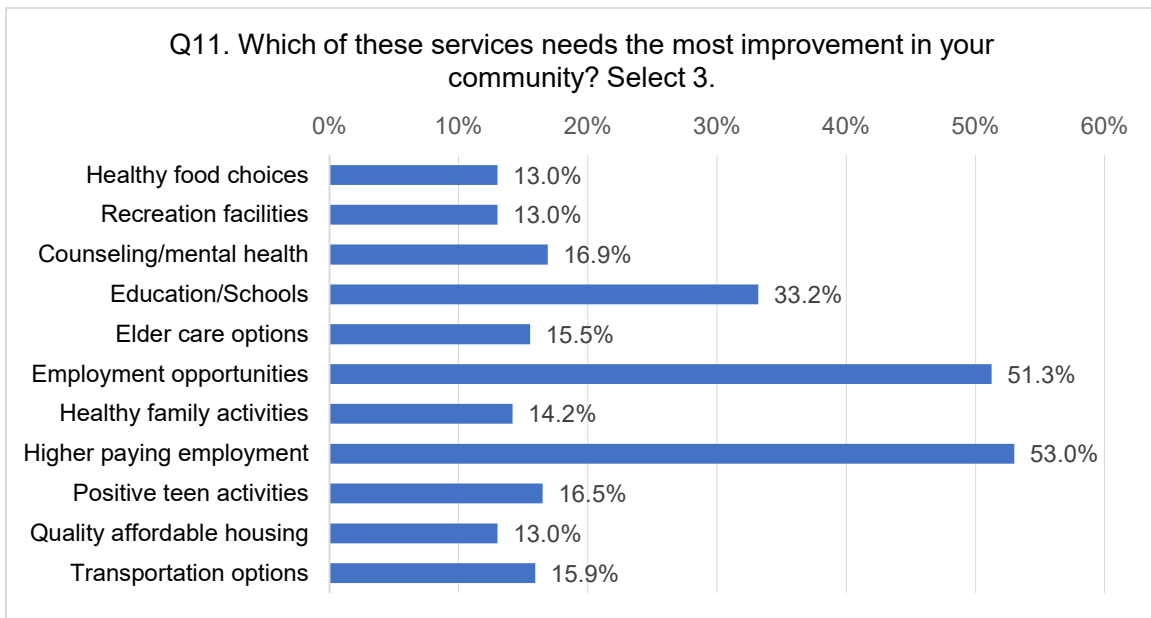


Q9. Select the 3 most important factors for a good quality of life.



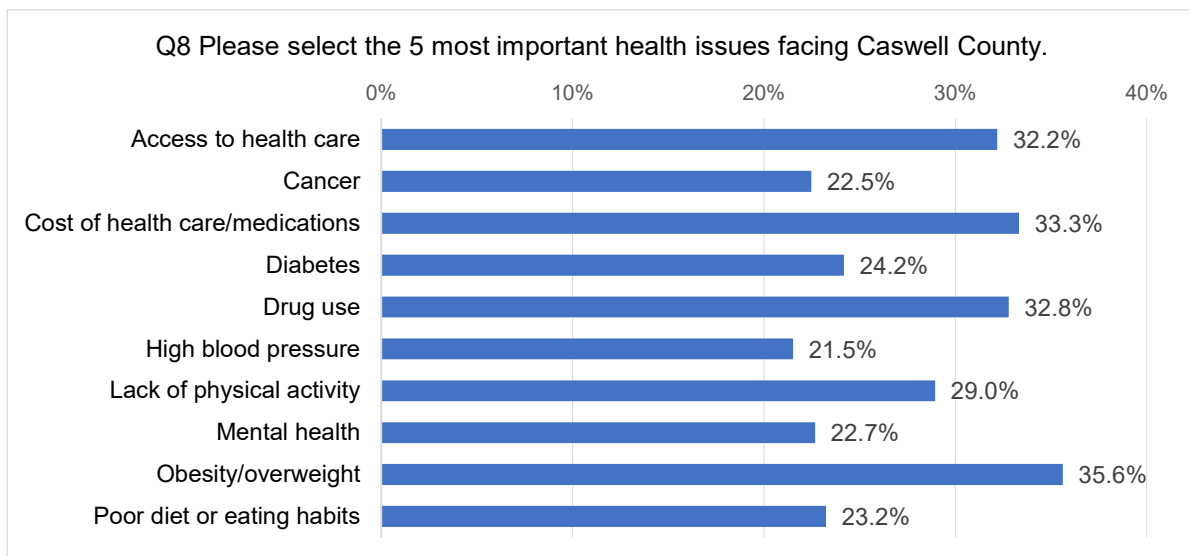
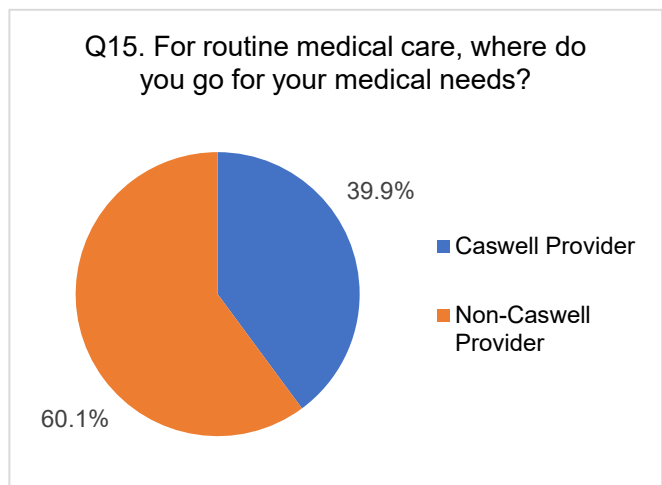
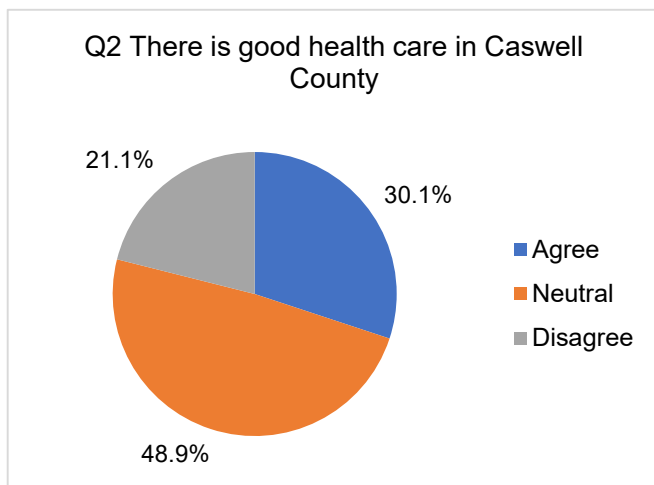
Q10. Which 3 issues do you think lower the quality of life in Caswell County?





### Health Related Survey Information

The below survey response graphs show resident opinion on health needs in Caswell County.



## Priority Populations

Demographic, socioeconomic, and other descriptive factors combined with community feedback highlight priority populations. Members of the priority population often experience a higher rate of negative health outcomes. Therefore, the priority populations will be the focus of the work of the Community Health Improvement Plans and other projects moving forward. The priority populations include rural residents, racial and ethnic minorities, youth, senior citizens, and those who experiencing low income. An intentional effort was made to hear the voices of the priority populations throughout the Community Health Assessment process.



# CHAPTER 4: HEALTH DATA AND INFORMATION

This section focuses on health specific data and includes information on death rates and trends, cancer incidence, life expectancy, pregnancy and births, communicable diseases, and environmental health. In this chapter, as in the previous chapter, five-year rates are used whenever available to increase statistical reliability due to the small population size of Caswell County.

## Leading Causes of Death and Unadjusted Death Rates

The leading causes of death for Caswell County residents for the 2013-17 period are listed in the below table. Alzheimer's disease and unintentional injuries are tied for sixth place and kidney disease and motor vehicle accident injuries are tied for ninth place.<sup>xxi</sup> Unintentional injury related deaths comprise deaths due to accidents or other causes, for example, falls, accidental firearm discharge, and drug overdose.

**Caswell County Leading Causes of Death 2013-17<sup>xxi</sup>**

Rank	Cause of Death	Caswell County Rate	North Carolina Rate
1	Cancer	292.6	191.4
2	Heart Disease	227.7	180.9
3	COPD and Emphysema	65.7	51.9
4	Stroke	53.4	48.2
5	Diabetes	48.2	27
6	Alzheimer's Disease	46.4	36.5
6	Unintentional Injuries	46.4	35.9
8	Pneumonia and Influenza	35.9	19.7
9	Kidney Disease	27.2	18.8
9	Motor Vehicle Accident Injuries	27.2	** not a leading cause of death for NC
	Deaths Due to All Causes	1,182.5	878.1

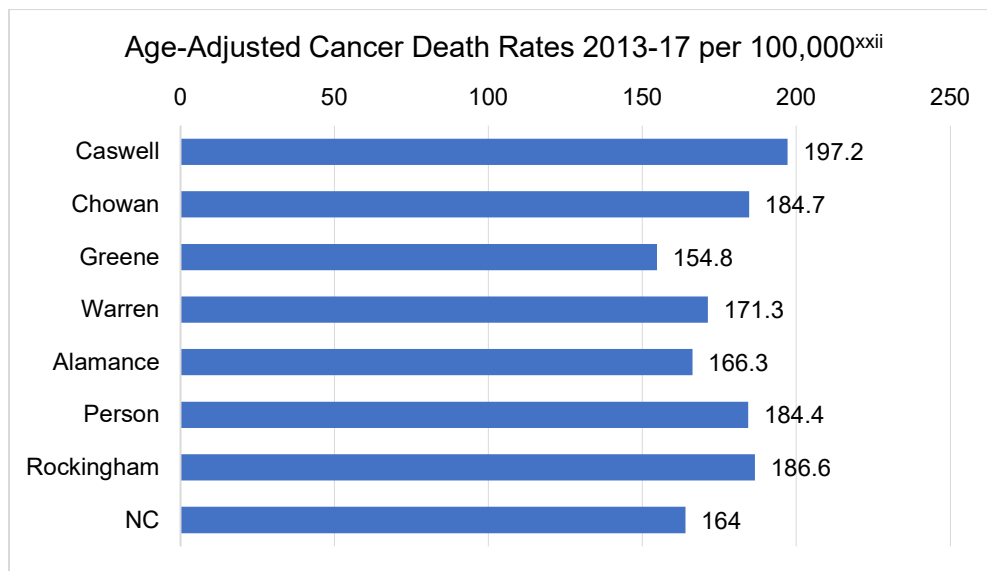
## Age-Adjusted Death Rates

Age-Adjusted death rates are another way to look at death rates. Age-adjusted rates control for death rate differences due to age distribution. This is especially helpful for an older population like Caswell County since it controls for differences associated with advanced age, where naturally older people have higher death rates than younger people. This section provides age-adjusted rates for cancer, heart disease, COPD/Emphysema, stroke, diabetes, and deaths due to all causes. This section also provides age-adjusted rates for males, females, white, and African-American residents. Age-adjusted rates are also used to provide trends in death rates due to several different causes.

## Age-Adjusted Cancer Death Rates

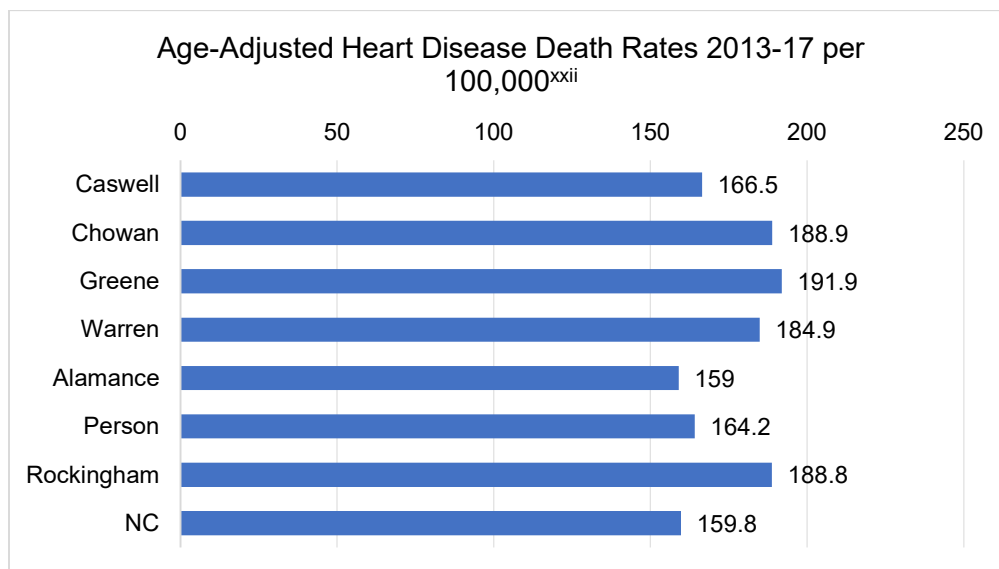
Caswell County has a higher age-adjusted death rate as compared to all other counties of comparison and the state. The rate for Caswell County is 197.2 per 100,000 people for the 2013-17 period. The

state rate for the same time period is 164 per 100,00 people.<sup>xxii</sup> The graph below compares Caswell County with the state, and peer and neighbor counties.



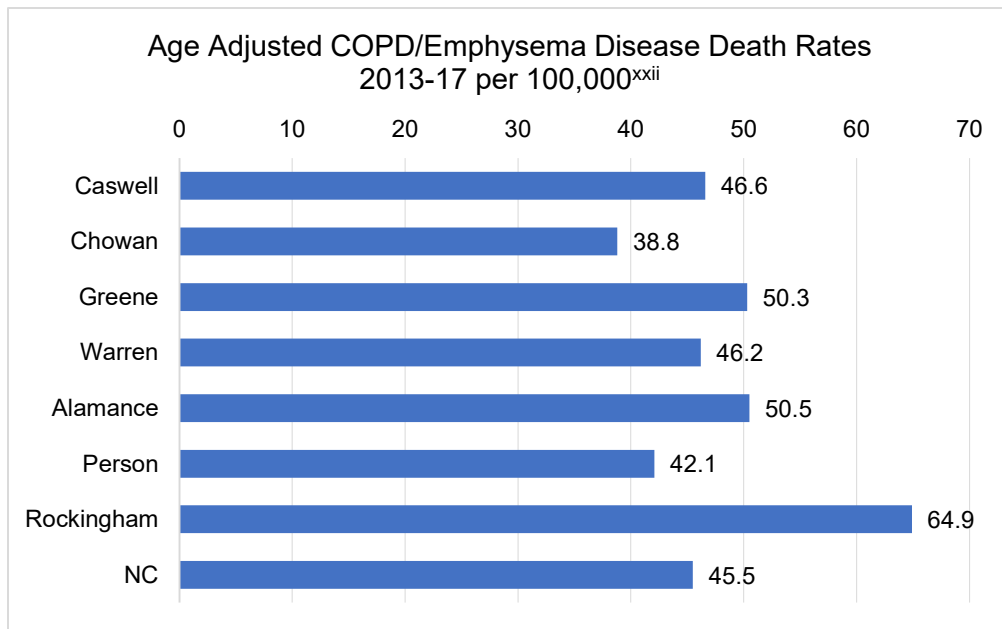
### Age-Adjusted Heart Disease Death Rates

For the 2013-17 period, Caswell County has a lower age-adjusted heart disease death rate in comparison to peer counties and Rockingham County. Caswell County's rate is higher than that of Alamance and Person counties and the state.<sup>xxii</sup> The graph below illustrates these numbers.



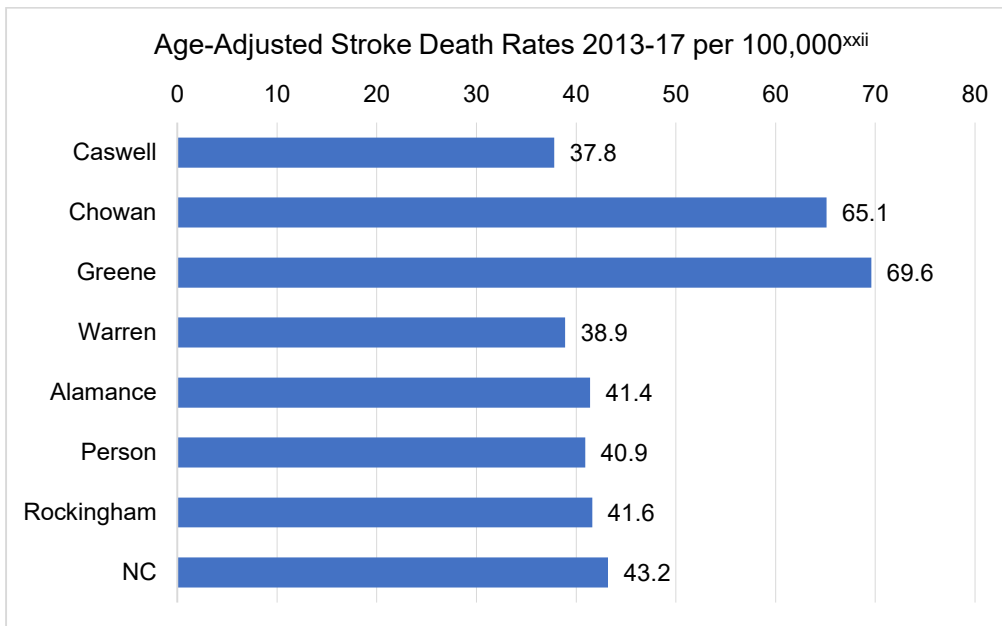
### Age-Adjusted COPD/Emphysema Death Rates

The age-adjusted death rate for COPD/Emphysema is 46.6 per 100,000 people for Caswell County for the 2013-17 period.<sup>xxii</sup> The graph on the next page shows the rates for Caswell County, peer and neighbor counties, and the state.



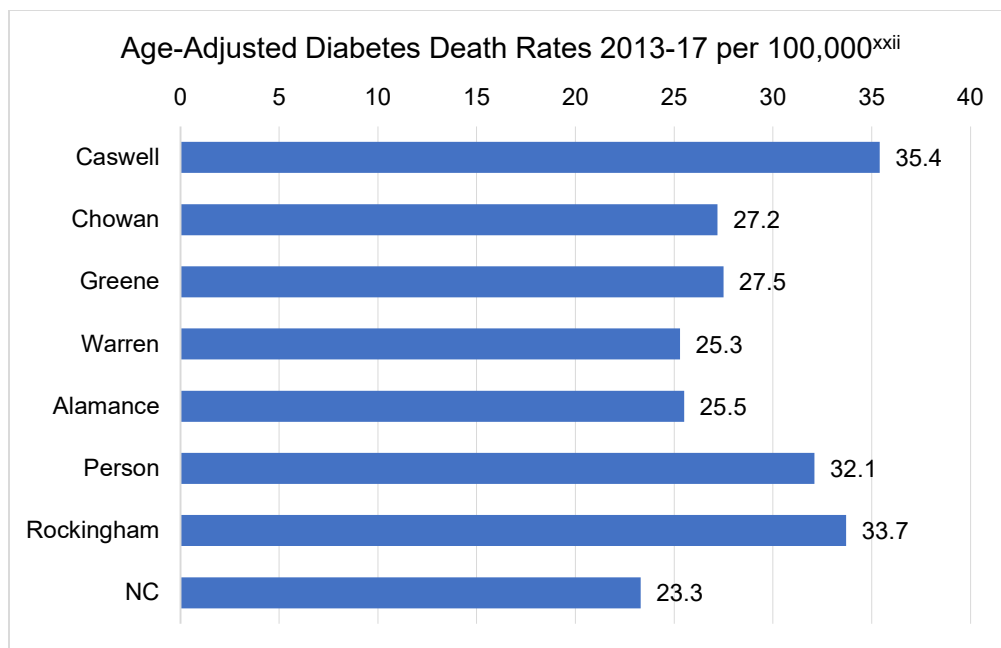
### Age-Adjusted Stroke Death Rates

For the 2013-17 period, Caswell County has a lower age-adjusted death rate due to strokes as compared to the other geographies of comparison as demonstrated in the graph below. The rate for Caswell County is 37.8 per 100,000. <sup>xxii</sup>



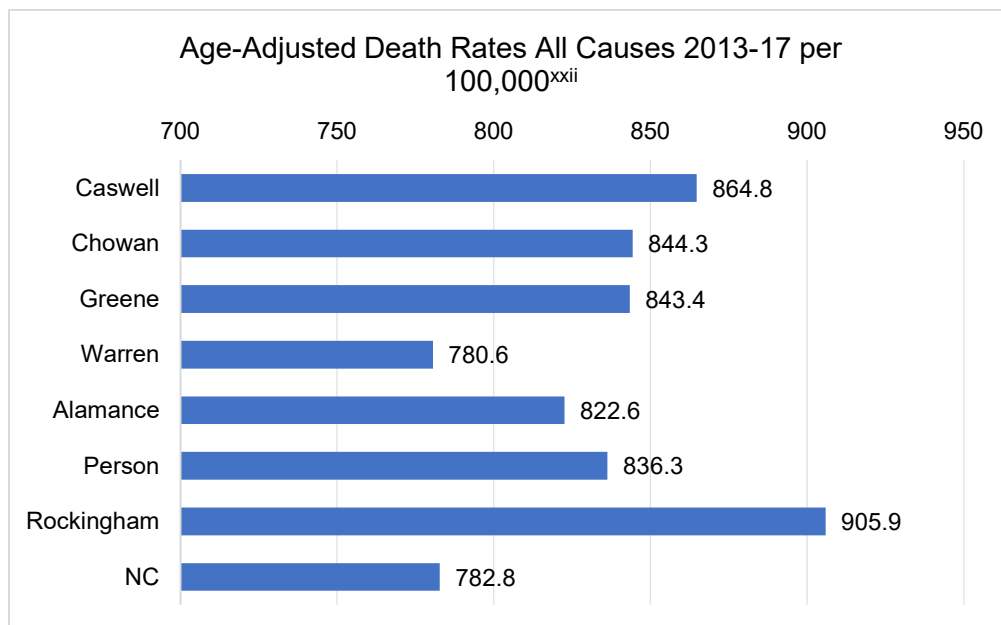
### Age-Adjusted Diabetes Death Rates

Caswell County has an age-adjusted diabetes death rate of 35.4 per 100,000 for the 2013-17 period. <sup>xxii</sup> As illustrated in the graph on the next page, this number is higher than all comparison areas.



### Age-Adjusted Death Rates due to All Causes

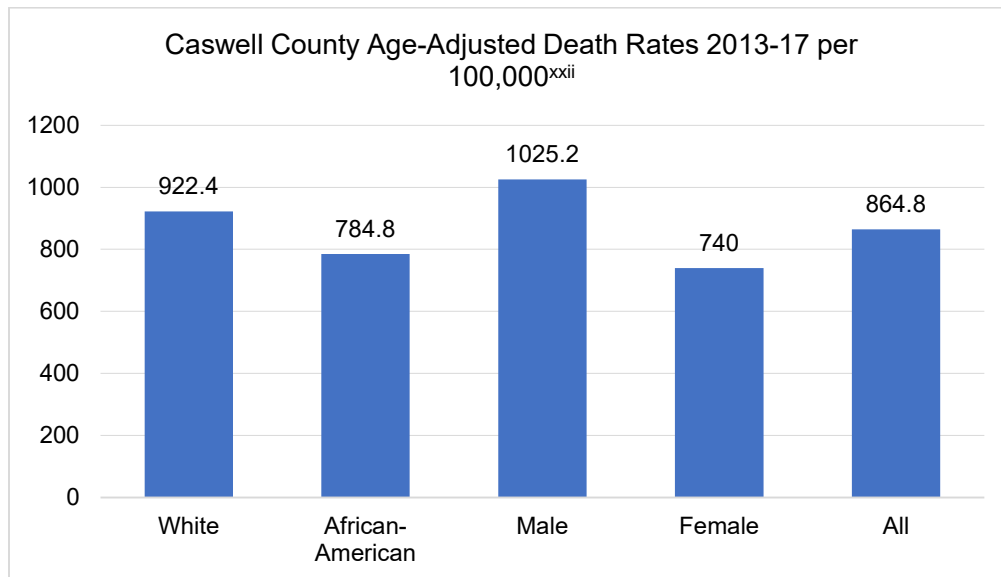
Caswell County has an age-adjusted death rate due to all causes of 864.8 per 100,000 for 2013-17. <sup>xxii</sup> This rate is higher than the state and all peer and neighbor counties, except Rockingham County. The below graph shows the rates for all of these geographic areas.



### Age-Adjusted Death Rates by Demographic Group

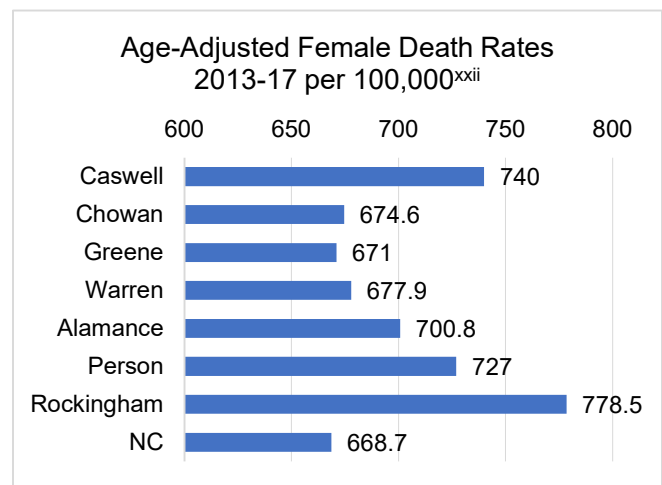
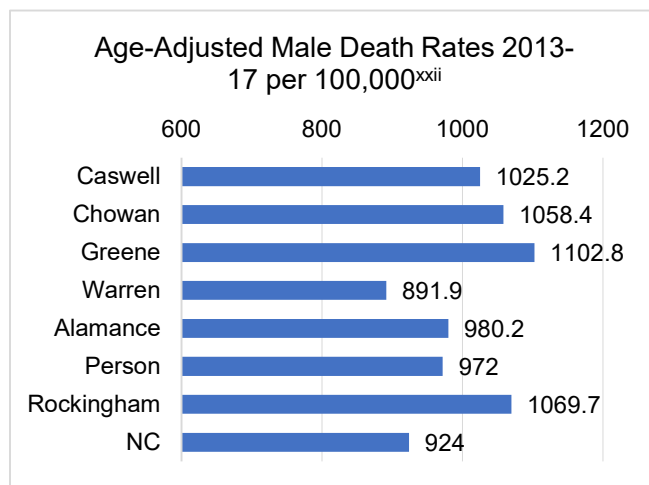
Another way to look at the age-adjusted death rates is to compare genders and racial groups. Caswell County has an age-adjusted death rate of 922.4 per 100,000 for white residents as compared to 784.8 per 100,000 for African-American residents. <sup>xxii</sup> This difference is unusual throughout America, as African-Americans generally have a higher death rate as compared to white residents. The health

department cannot explain this difference through statistics or other scientific methods. The below graph provides the 2013-17 age adjusted death rates for Caswell County for the following demographic categories: whites, African-Americans, males, females, and all residents.



#### *Age-Adjusted Death Rates by Gender*

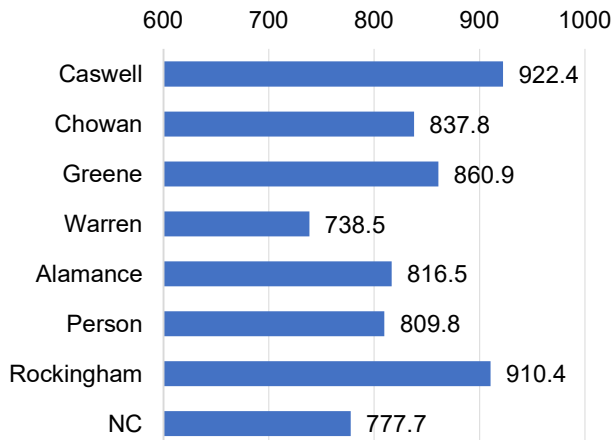
The below graphs show the age-adjusted death rates due to all causes per 100,000 for the period of 2013-17. The graphs are grouped by gender. The age-adjusted death rate is 1025.2 per 100,000 for men and 740.0 per 100,000 for women in Caswell County for the 2013-17 period. <sup>xxii</sup>



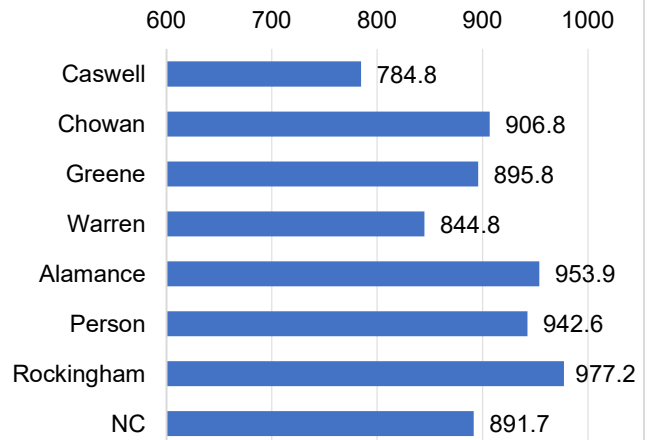
#### *Age-Adjusted Death Rates by Race*

As mentioned previously, Caswell County has a higher death rate for white residents as compared to African-American residents. <sup>xxiii</sup> These rates are compared to the state and peer and neighbor counties in the graphs on the next page. This information is for the 2013-17 period and the rate is calculated per 100,000 residents. Caswell County does not have a large enough number of residents in different racial and ethnic groups to calculate rates for groups other than white and African-American.

Age-Adjusted White Death Rates 2013-17 per 100,000<sup>xxii</sup>



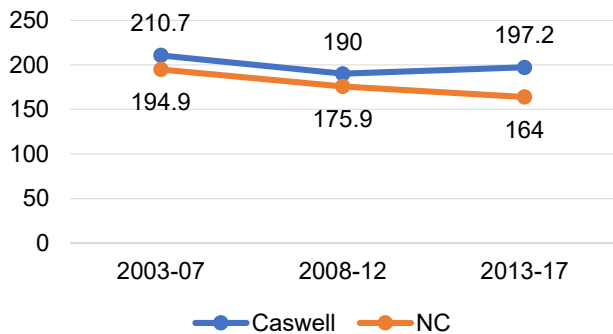
Age-Adjusted African-American Death Rates 2013-17 per 100,000<sup>xxii</sup>



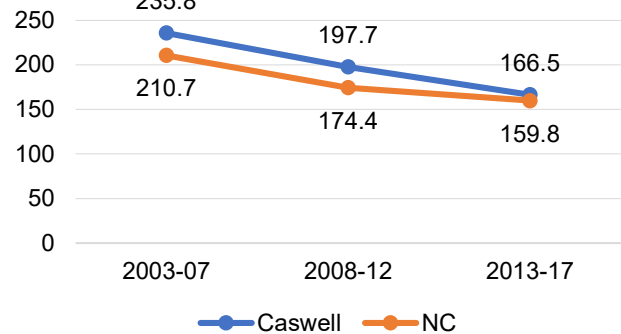
## Trends in Death Rates

Death rates can also be viewed in comparison to prior years. This information can help identify any trends over time. As mentioned previously, five-year rates are used whenever possible to increase statistical reliability due to the small population size of Caswell County. The below graphs show trends in age-adjusted death rates for Caswell County as compared to the state.

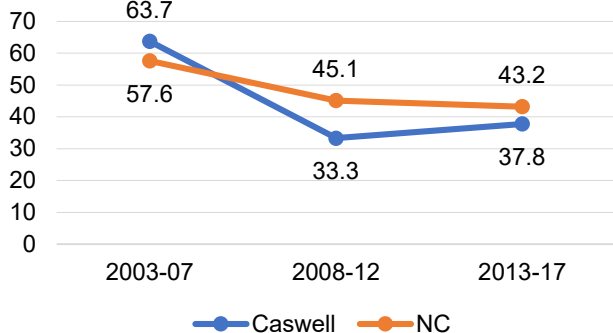
Age-Adjusted Cancer Death Rates per 100,000<sup>xxiii,xxiv,xxii</sup>



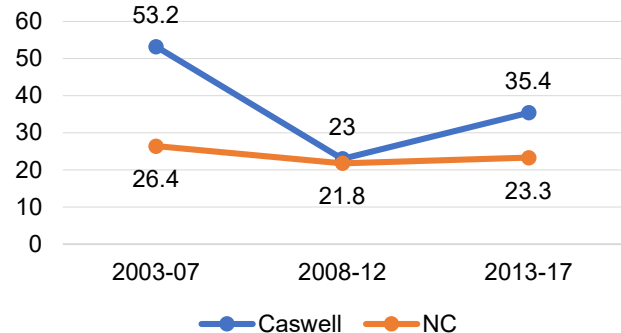
Age-Adjusted Heart Disease Death Rates per 100,000<sup>xxiii,xxiv,xxii</sup>

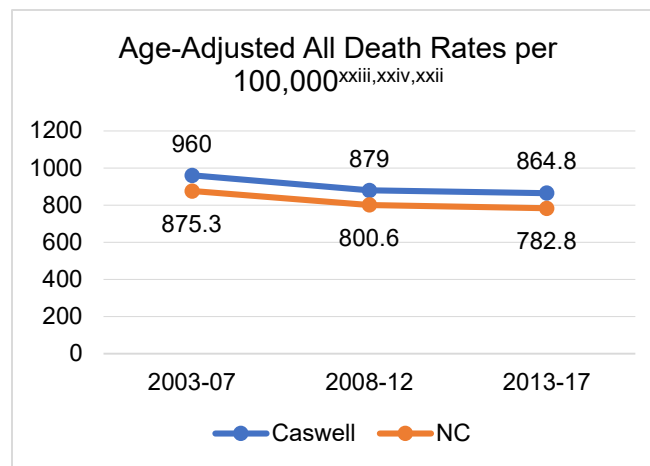
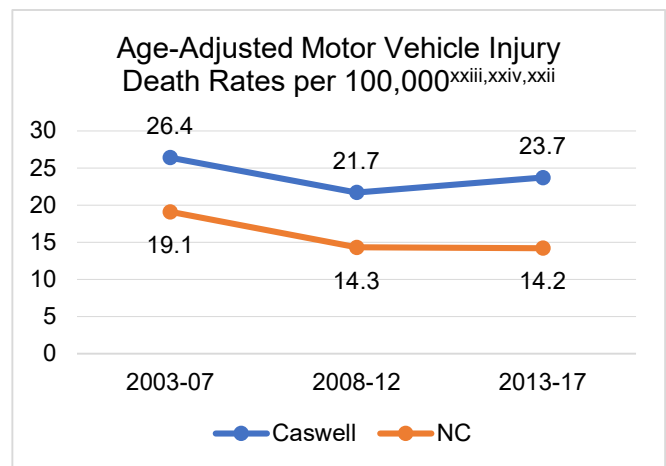
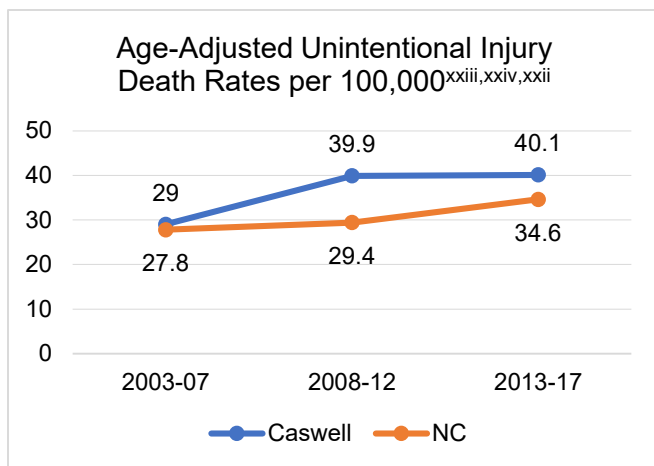


Age-Adjusted Stroke Death Rates per 100,000<sup>xxiii,xxiv,xxii</sup>



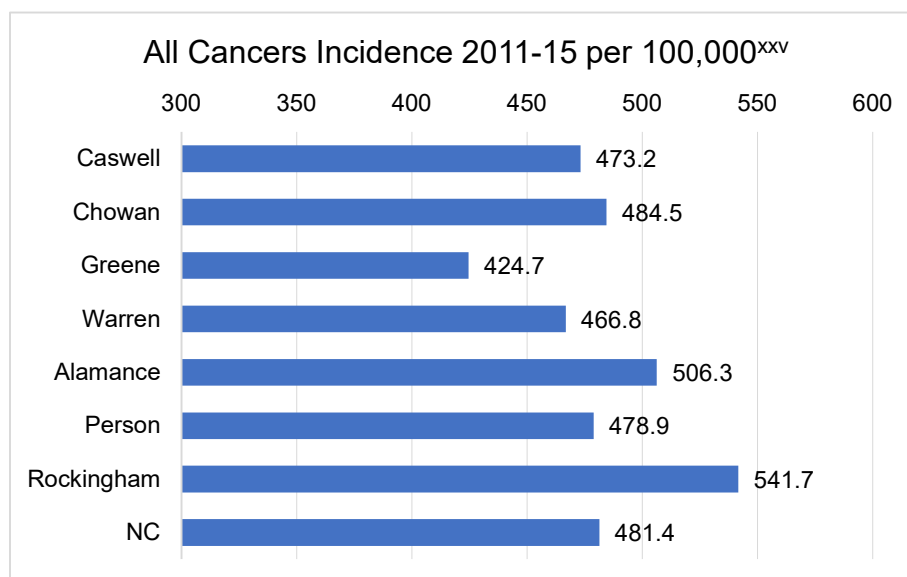
Age-Adjusted Diabetes Death Rates per 100,000<sup>xxiii,xxiv,xxii</sup>



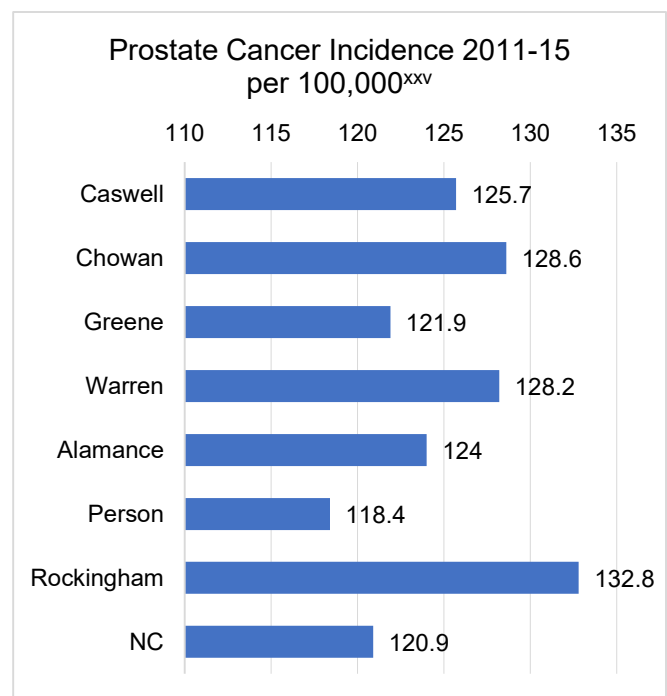
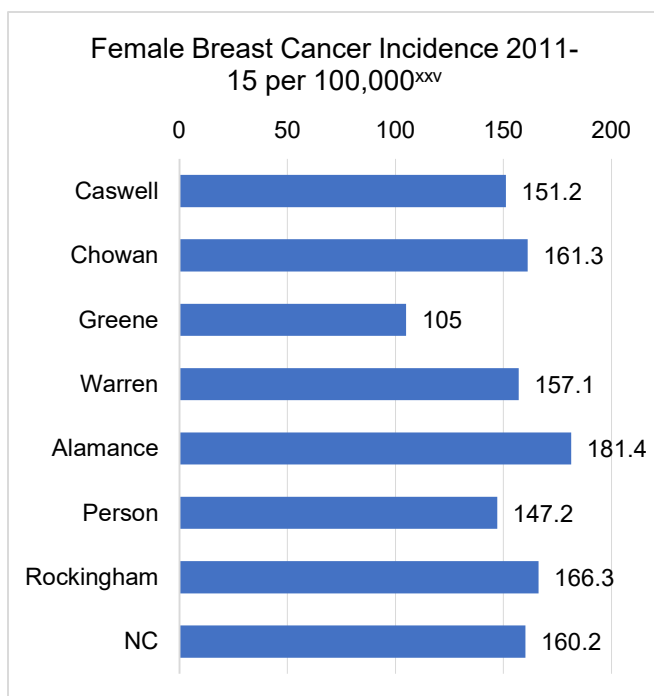
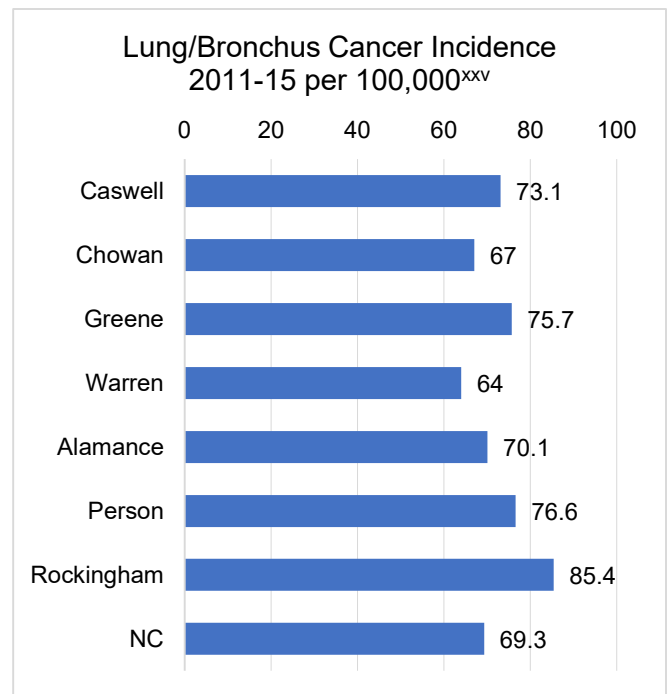
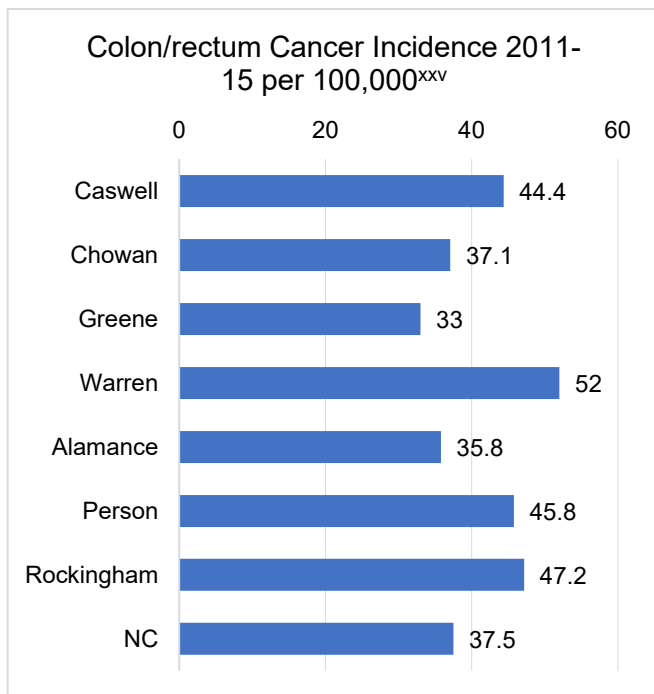


## Cancer Incidence Rates

Cancer *incidence* rates include persons who are living with cancer or are in remission from cancer. Previous sections of this report discussed *death* rates due to cancer. The cancer incidence graphs below and on the next page are for the 2011-15 period. <sup>xxv</sup>



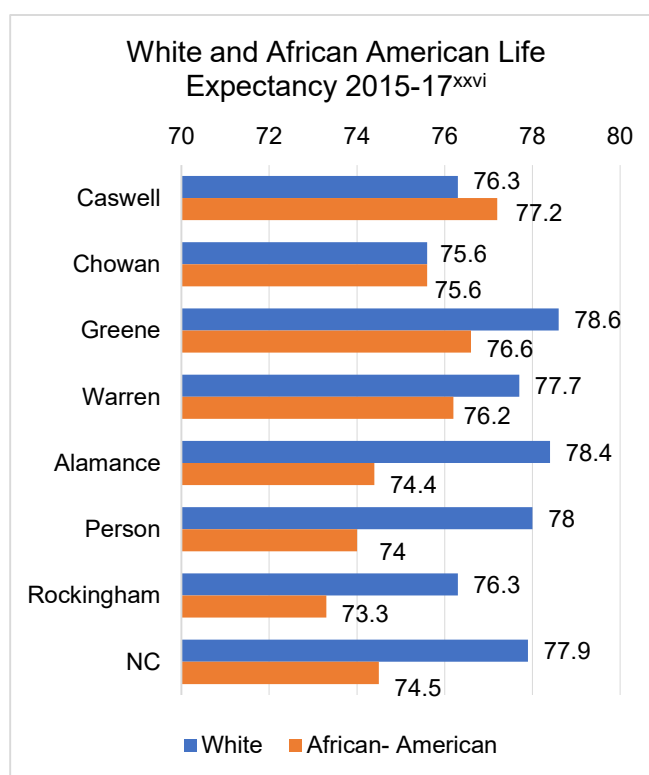
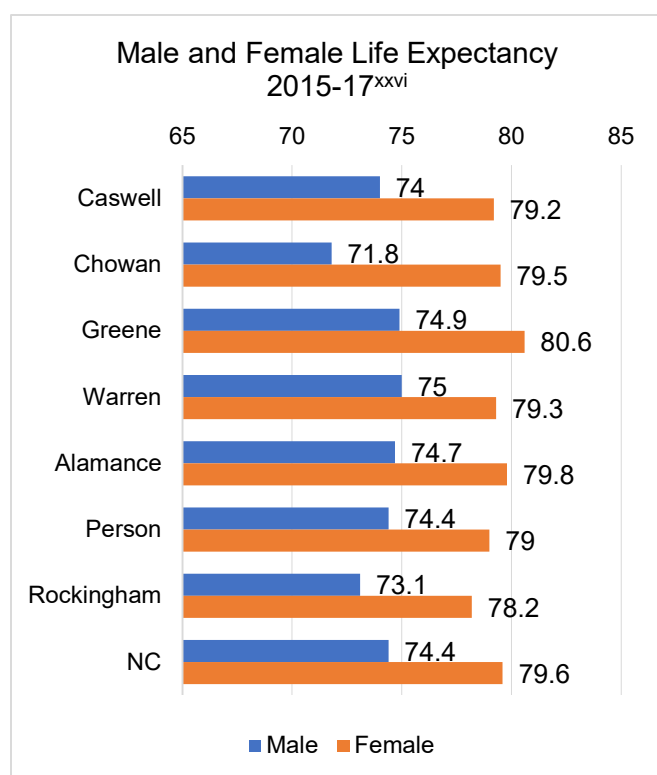
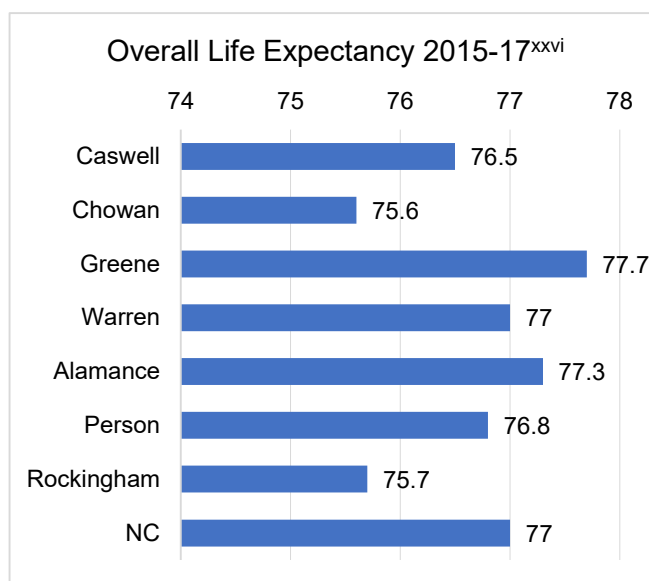
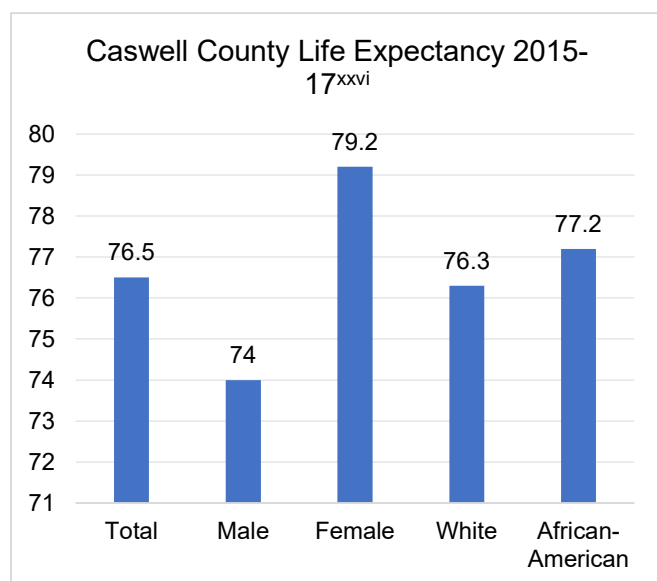




## Life Expectancy

Life expectancy is the number of years the average person is expected to live. The graphs on the next page show life expectancy for different population groups in Caswell County and Caswell County compared to the state and peer and neighbor counties. This data is for the 2015-17 period. Caswell County is unique in that African-Americans have a longer life expectancy of 77.2 years as compared to

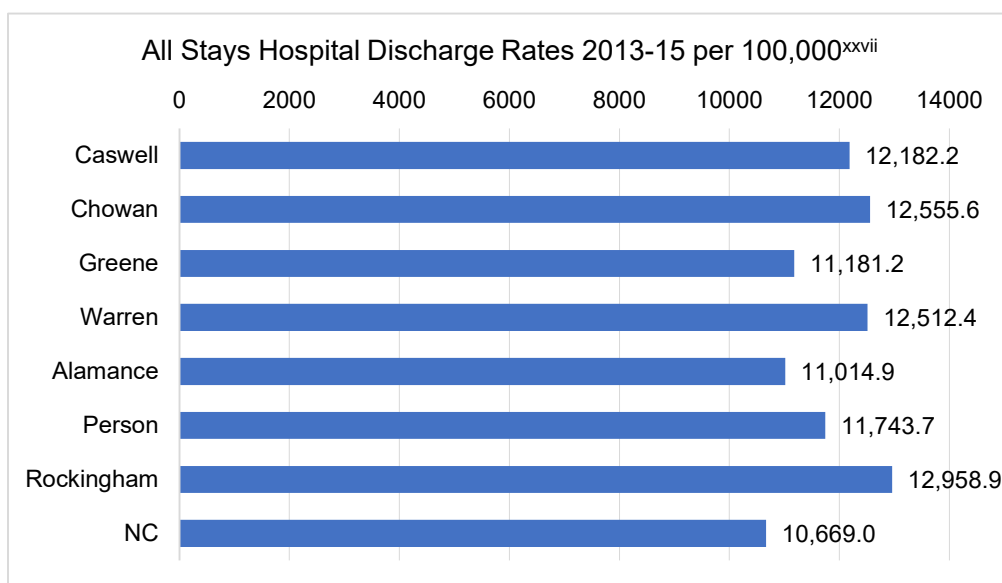
whites with 76.3 years. In addition, African-Americans in Caswell County have a longer life expectancy compared to peers, neighbors, and the state.<sup>xxvi</sup>



## Hospital Discharge Rates

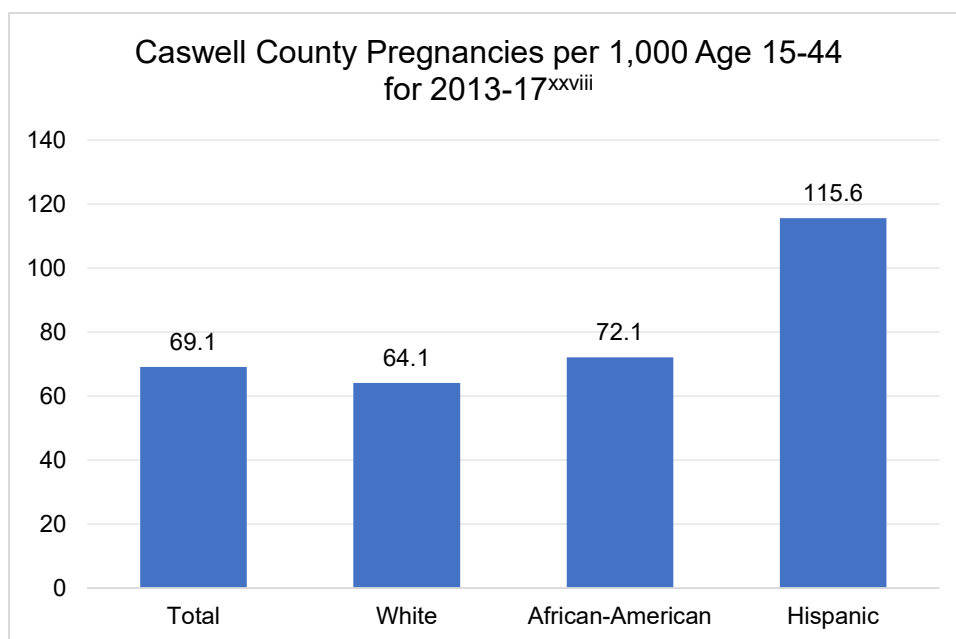
Hospital data is often difficult to obtain for Caswell County, since residents disperse over several hospital systems and two different states when seeking hospital care. The Healthcare Cost and Utilization Project, which is part of the department of Agency for Healthcare Research and Quality

under the U.S. Department of Health and Human Services collects some hospitalization related data. Due to the small population size of Caswell County, hospitalization information is not available in separate categories, for example, reason for hospitalization. The below information is the 2013-15 data for rates of hospitalization for all stays, which is the most recent data at the time of this report. <sup>xxvii</sup>

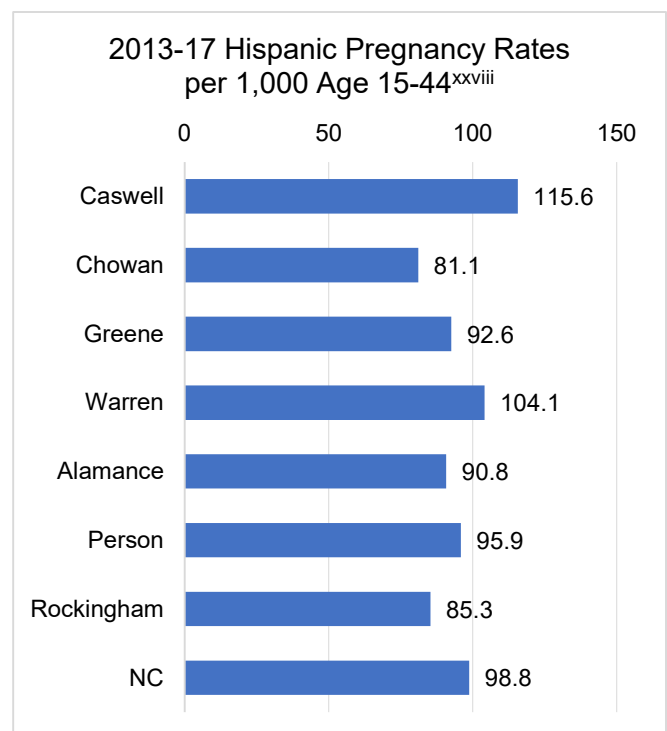
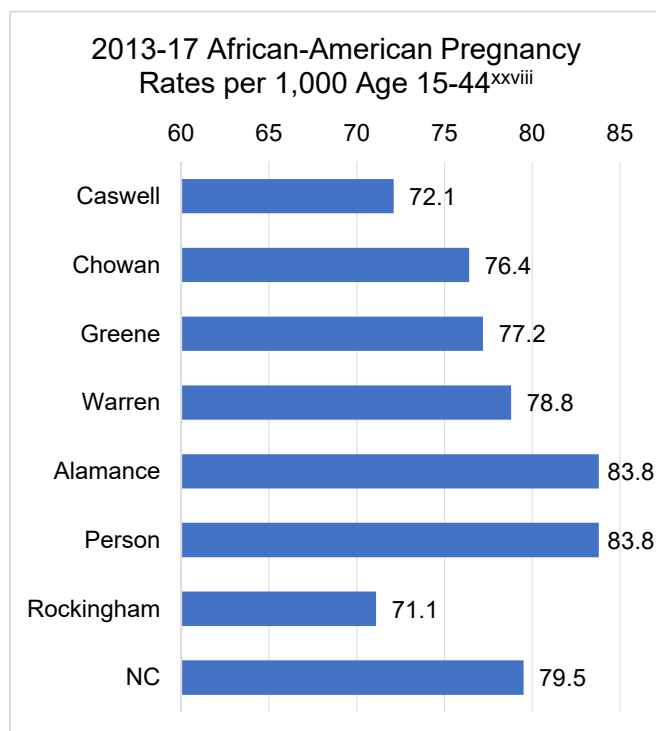
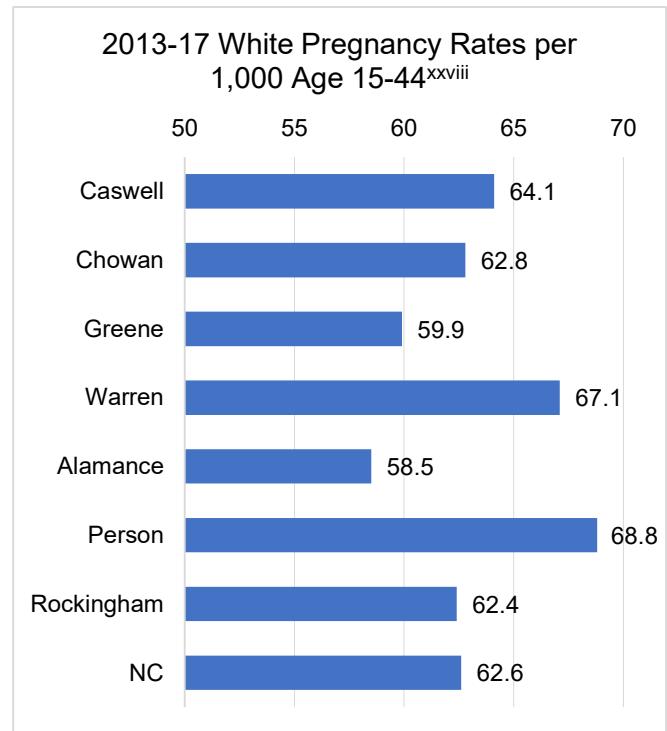
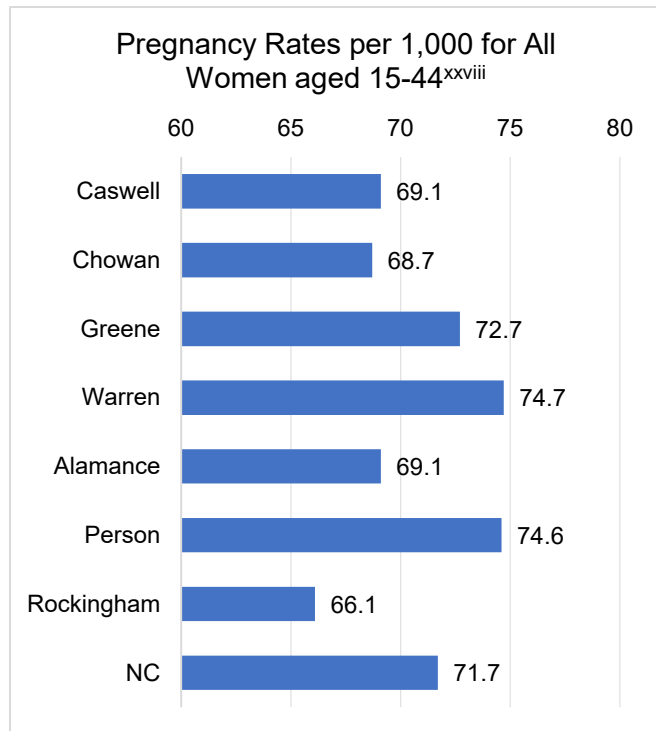


## Pregnancy Information

As with other sections, five-year rates are used to increase statistical reliability and limited data is available due to the small population size of Caswell County. The North Carolina State Center for Health Statistics calculates pregnancy rates for women of child-bearing age and defines this age group as those aged 15-44. For the 2013-17 period, Caswell County reported 1,187 pregnancies for the 15-44 age group. <sup>xxviii</sup> Below is information on pregnancy rates for all women and women by white, African-American, and Hispanic groups for Caswell County. Trend data is not available due to change in the data reporting for the 2003-07 period.

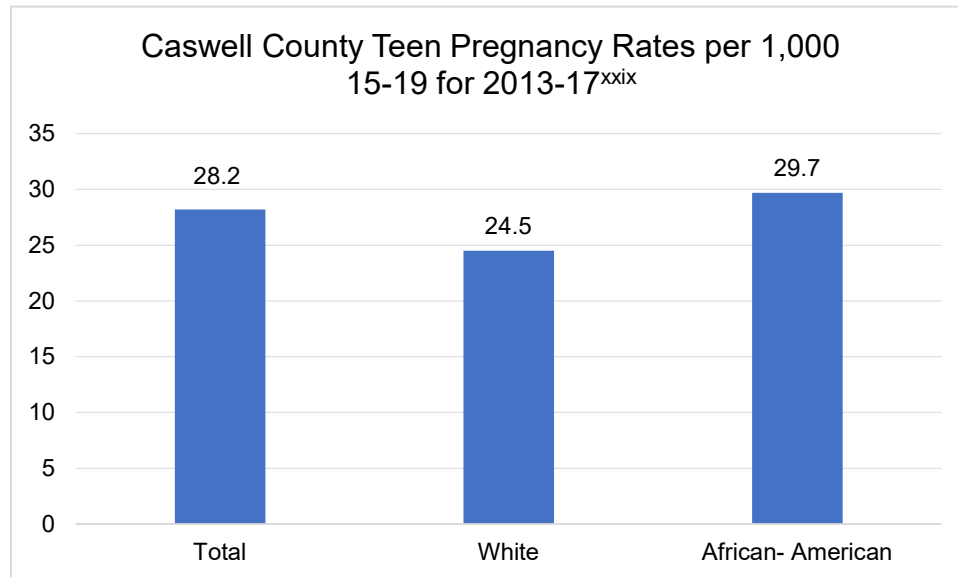


Below are graphs comparing pregnancy rates for women aged 15-44 comparing Caswell County to peer and neighbor counties and the state. These graphs show that Caswell County has a higher pregnancy rate in white women of comparison jurisdictions, with the exception of Warren and Person Counties. The pregnancy rate in African-American women is lower in Caswell County in comparison to other jurisdictions, except Rockingham County. The pregnancy rate in Hispanic women is higher in Caswell County than in all other points of comparison. <sup>xxviii</sup>

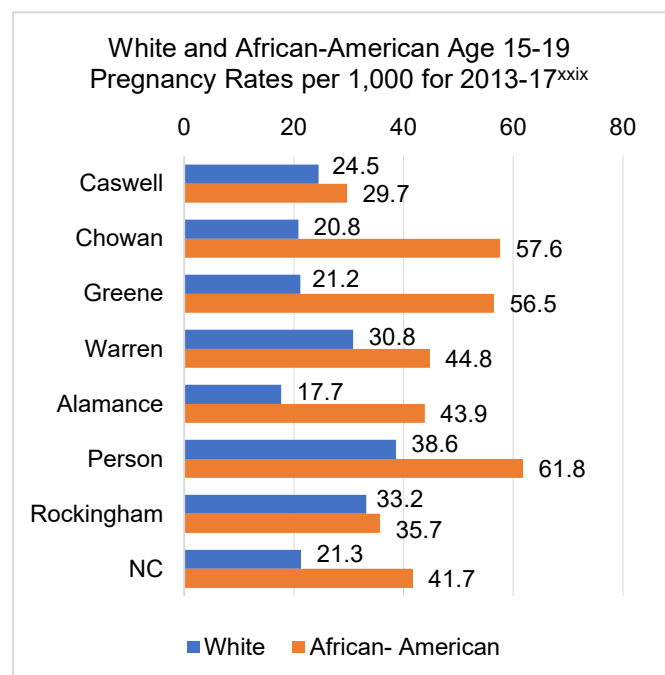
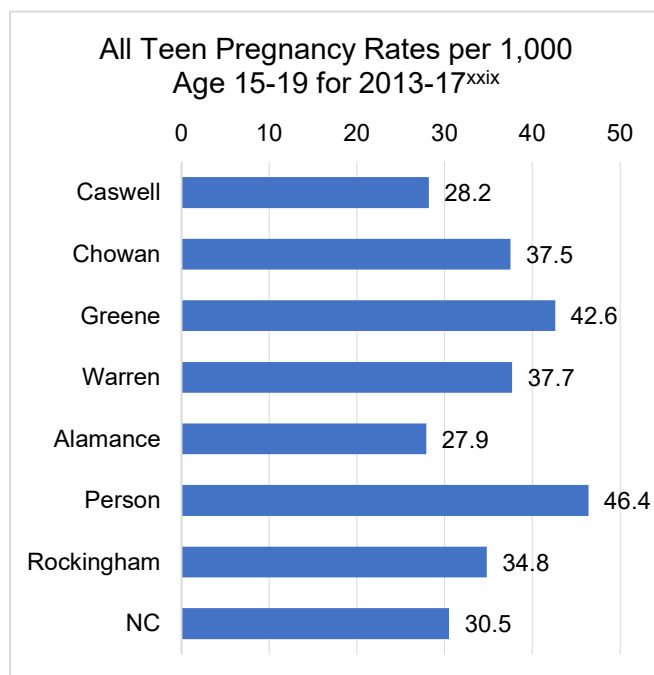


## Teen Pregnancy Information

The NC State Center for Health Statistics defines teen pregnancy as pregnancies to those aged 15-19. This section includes rates for all teen pregnancies and by white and African-American racial groups. For Caswell County, the population size of Hispanic teens is too low to calculate a rate. For the 2013-17 period, Caswell County had a total of 81 pregnancies to women 15-19 years of age.<sup>xxix</sup>



As shown in the graphs below, Caswell County has a lower total teen pregnancy rate in comparison to all jurisdictions of comparison, except Alamance County. However, the white teen pregnancy rate in Caswell County is higher than many comparison jurisdictions. The African-American teen pregnancy rate in Caswell County is lower than all points of comparison. There is not a large enough population to calculate a teen pregnancy rate for Hispanic teens in Caswell County.<sup>xxix</sup>

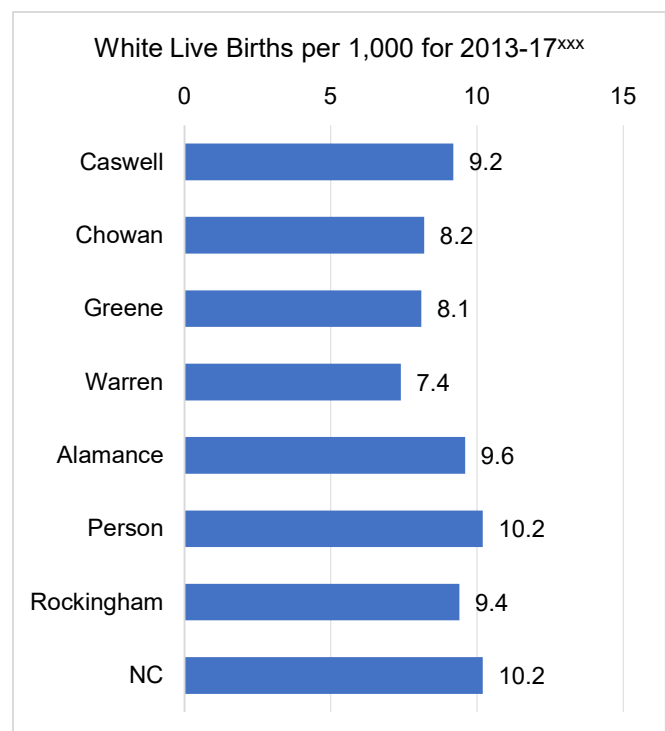
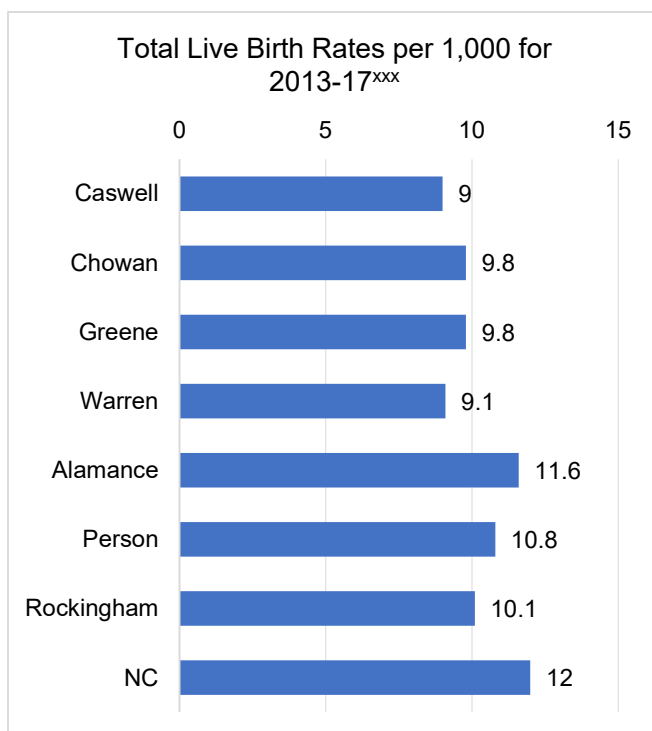
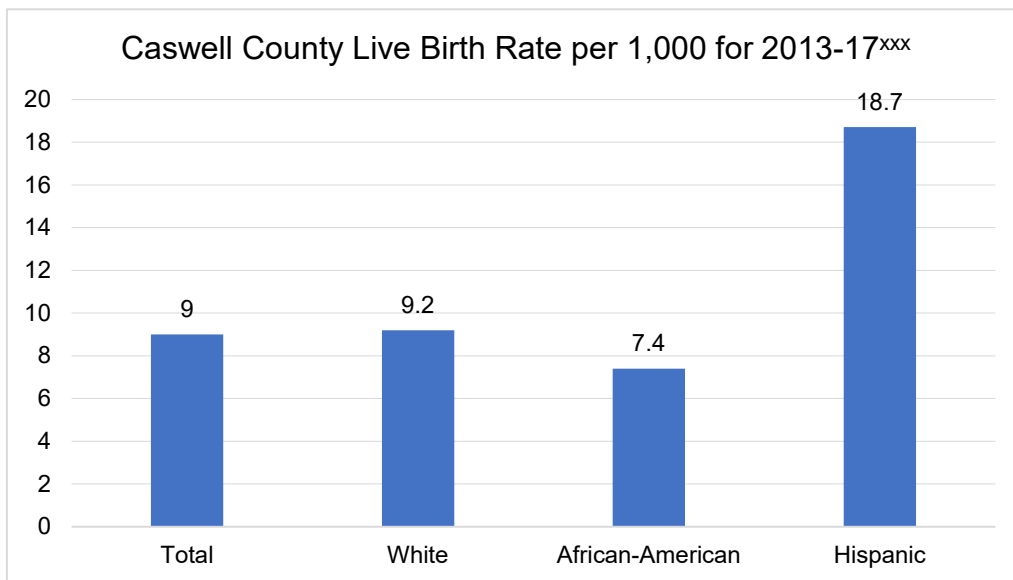


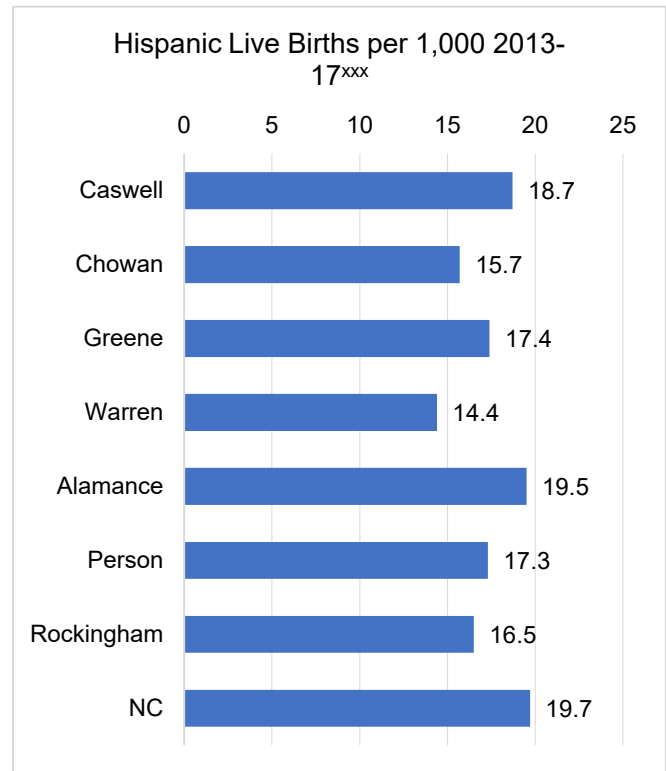
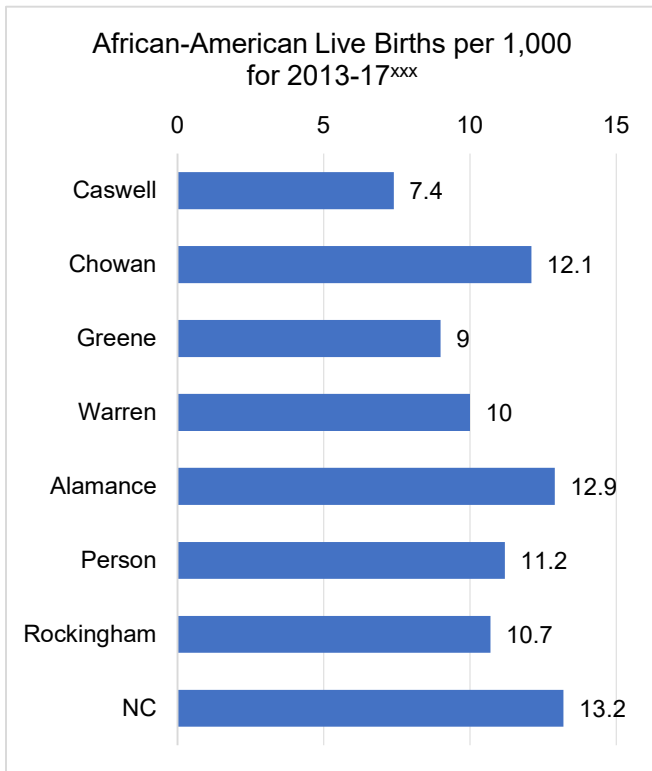
## Birth Information

This section provides live birth rates, low and very low birth weight, premature births, births to mothers who smoked, births to mothers receiving Medicaid benefits, and births to mothers receiving WIC benefits.

### Live Births

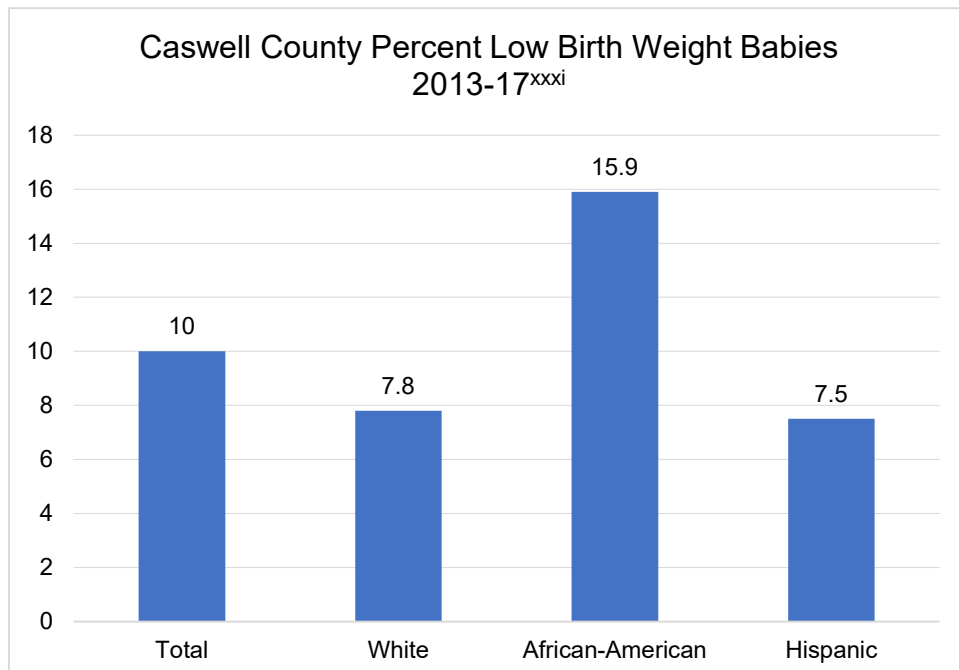
Caswell County had a total of 1,024 live births for the 2013-17 period.<sup>xxx</sup> Caswell County is unique in that it has a higher live birth rate for white residents as compared to African-American residents. Caswell County has a lower live birth rate for all racial and ethnic groups when compared to the state.<sup>xxx</sup>



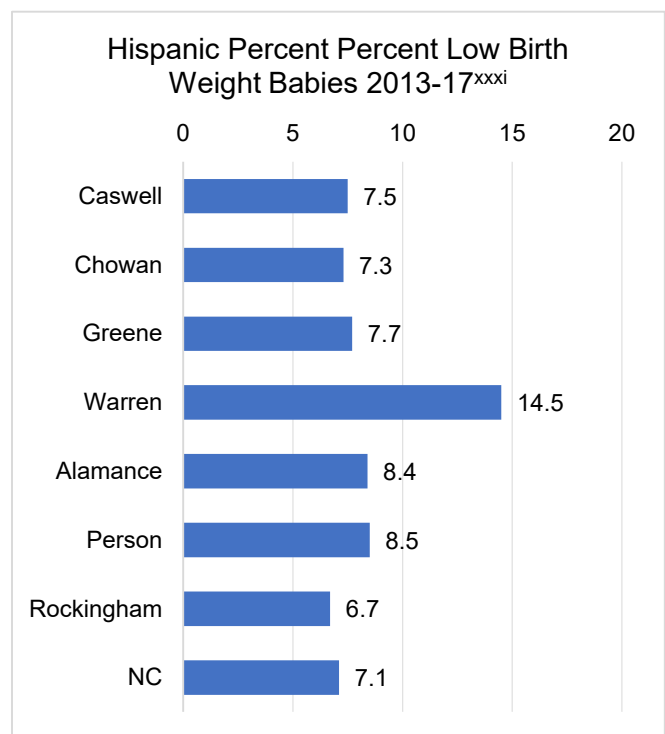
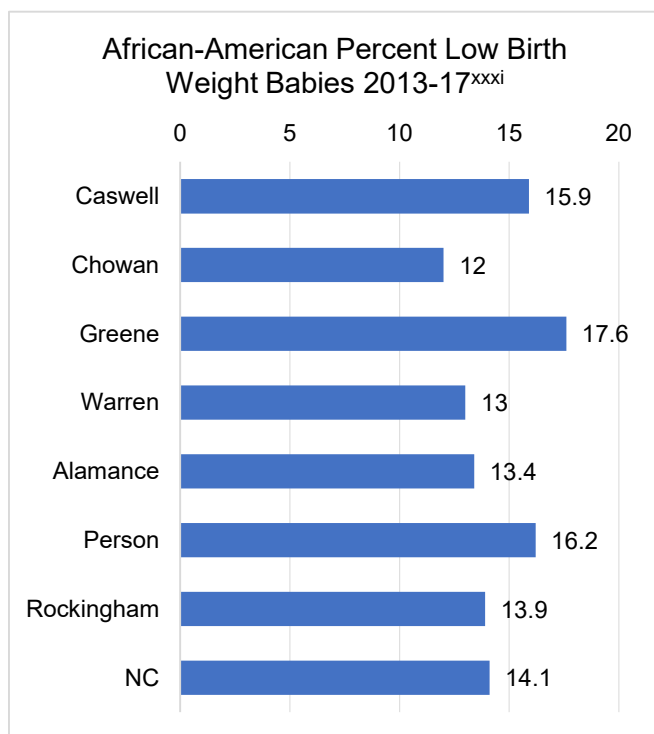
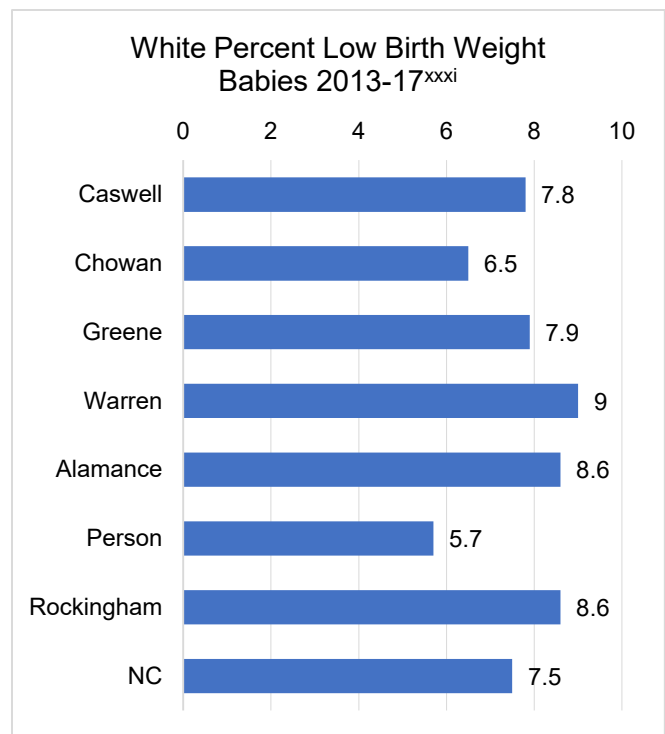
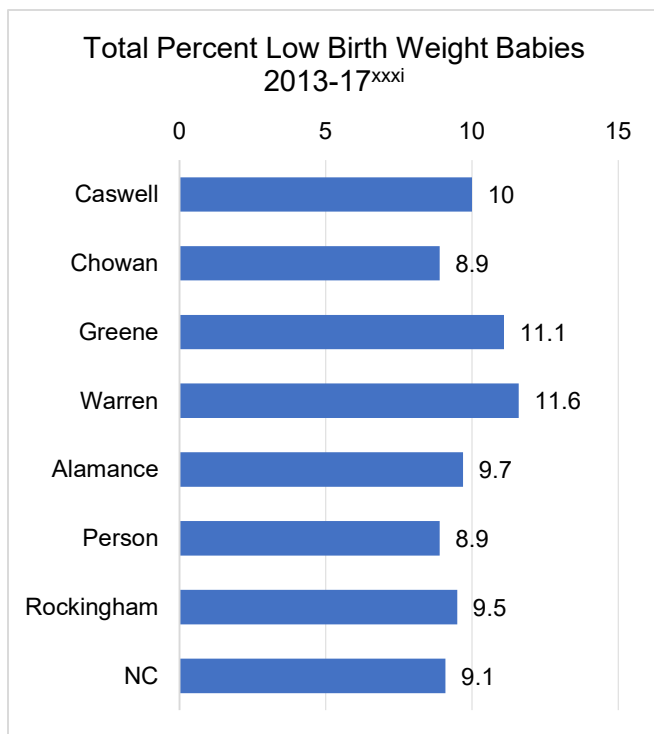


## Low Birth Weight

Low birth weight is defined as a birth weight of less than 2500 grams, which is about 5.5 pounds. For the 2013-17 period, 107 babies or 10% of all Caswell County babies were born with low birth weight. This figure is higher than neighbor counties and the state.<sup>xxxi</sup>

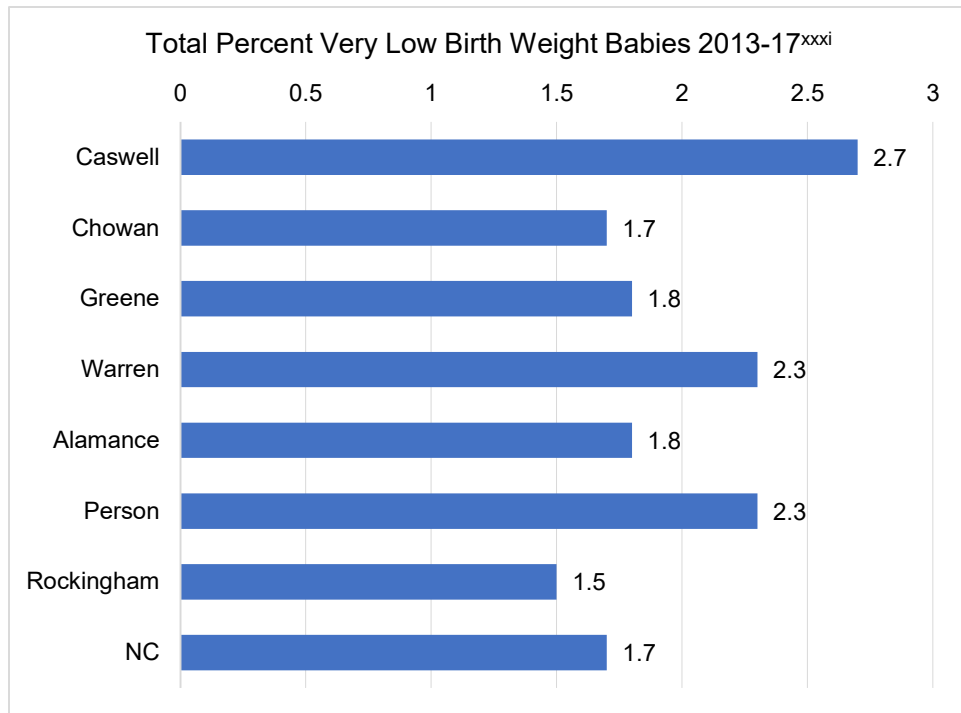






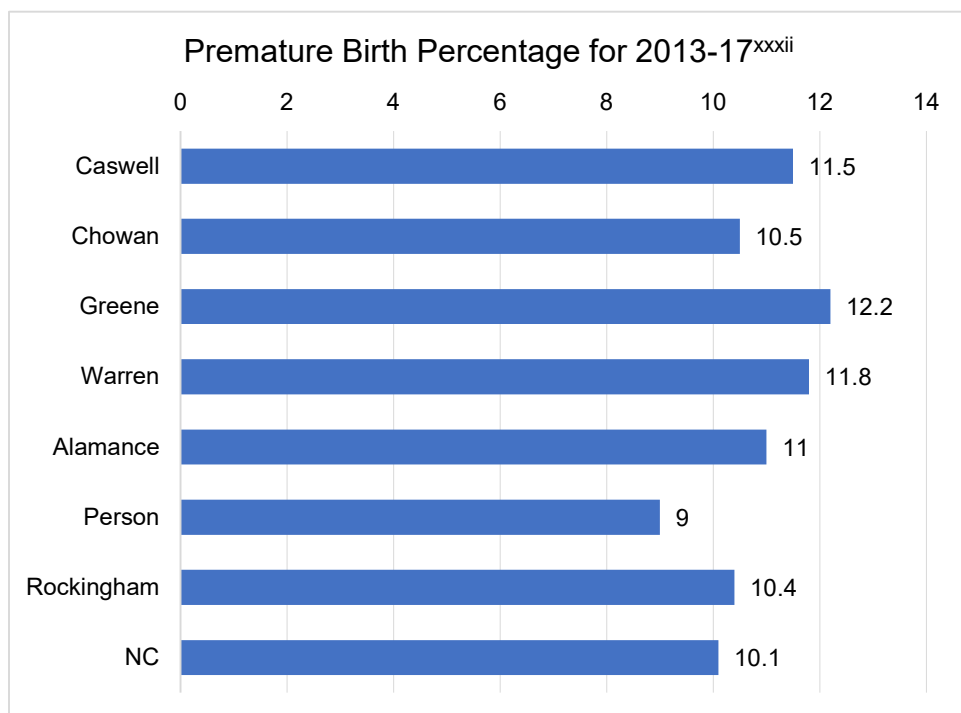
## Very Low Birth Weight

Very low birth weight is a birth weight of less than 1500 grams, or approximately 3.3 pounds. For 2013-17, the rate for Caswell County had 28 very low birth weight babies, or 2.7% of all babies born. The number of very low birth weight babies is too low in Caswell County to calculate separate rates by various racial and ethnic groups. <sup>xxxi</sup>



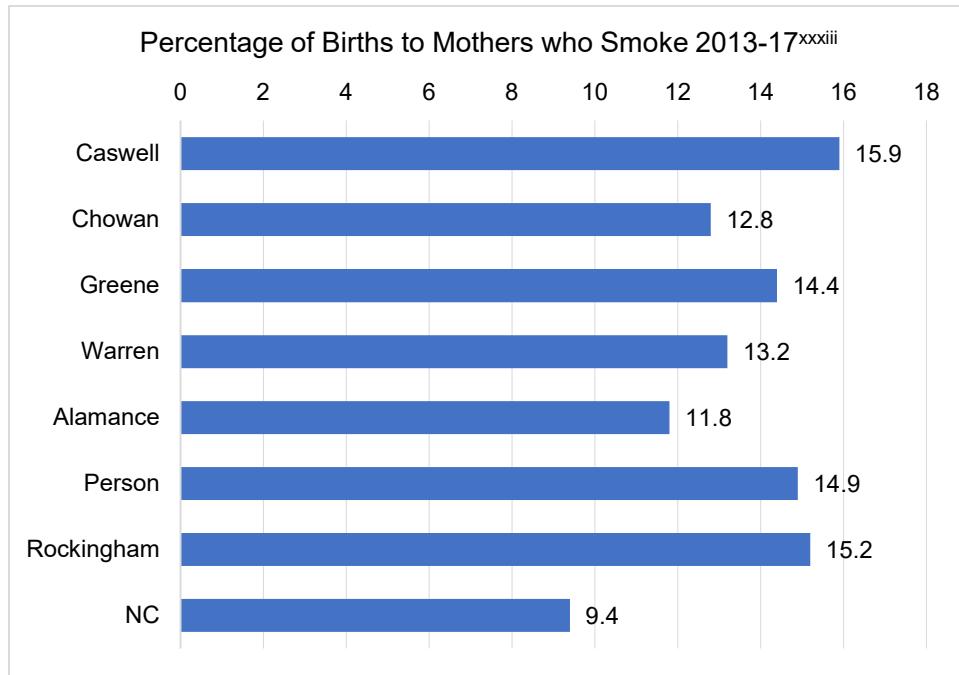
## Premature Births

Premature births are births that occur at less than 37 weeks of gestation. For the 2013-17 period, 118 babies or 11.5% of Caswell County babies were premature. Caswell County has a higher percentage of premature births in comparison to neighbor counties and the state.<sup>xxxii</sup>



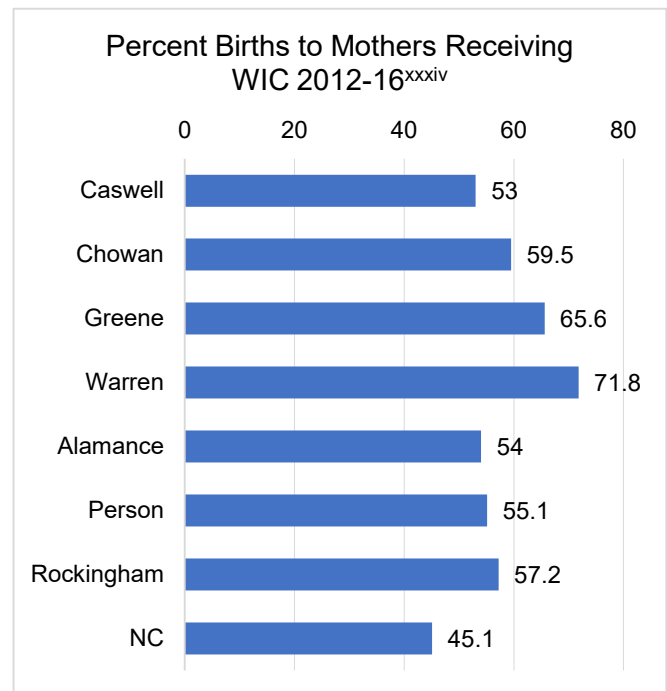
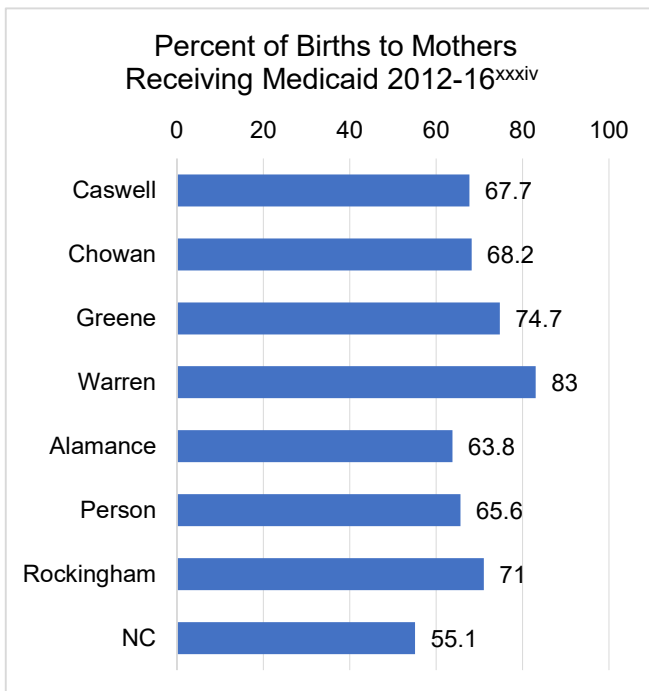
## Births to Mothers Who Smoke

Caswell County had a total of 163 or 15.9% of all babies were born to mothers who smoke for the 2013-17 period. This number is higher than all peer and neighbor counties as well as the state.<sup>xxxiii</sup>



## Births to Mothers Receiving Medicaid and WIC Benefits

For 2012-16, 67.7% of births were to mothers receiving Medicaid benefits and 53.0% of births were to mothers receiving Women, Infants, and Children (WIC) benefits for Caswell County.<sup>xxxiv</sup> WIC provides supplemental foods, health care referrals, and nutrition education to low-income pregnant and postpartum women and their children up to 5 years of age.



## Infant and Child Deaths

During the 2013-17 period, there were a total of 19 Caswell County children aged 0-17 who died.<sup>xxxv</sup> Of these 19 children, 7 were infants under one year of age.<sup>xxxvi</sup> These numbers are too low to calculate a statistically reliable rate. Likewise due to low numbers, trends cannot be calculated for infant and child deaths.

## Communicable Disease

Communicable diseases include those diseases that can spread directly from person to person, like colds, strep throat, and sexually transmitted infections, and diseases that can spread from animals or insects to people, like Lyme disease and Rocky Mountain Spotted Fever.

Caswell County Health Department records communicable disease data for county residents. There are a number of diseases that all health care facilities are required to report to the health department. This number includes residents seen in health care facilities outside of Caswell County.

Caswell County Communicable Disease Confirmed Counts				
Disease/Condition	2016	2017	2018	2019
Animal Bites	23	29	44	35
AIDS (new diagnosis)	0	2	0	0
Campylobacter	4	2	1	1
Chlamydia	92	122	91	82
Creutzfeldt-Jakob Disease	0	0	0	0
Cryptosporidiosis	0	0	0	1
E. coli	1	0	0	0
Ehrlichiosis	0	0	0	0
Gonorrhea	32	35	26	14
Hepatitis A	0	0	1	0
Hepatitis B, acute	0	0	2	0
Hepatitis B, chronic	1	0	0	2
Hepatitis C, acute	0	0	0	0
Hepatitis C, chronic	0	0	0	18
HIV (new diagnosis)	2	1	0	0
Legionellosis	1	1	0	2
Lyme Disease	0	0	0	0
Non-gonococcal urethritis	3	2	3	6
Pertussis (Whooping Cough)	0	0	1	0
Rabies in animals	0	0	0	0
Rocky Mountain Spotted Fever	0	7	9	0
Salmonella	4	2	5	1
Shigellosis	0	1	0	1
Strep Group A	0	0	0	0
Syphilis	2	0	4	5
Tuberculosis	0	0	0	0
Data source: Caswell County Health Department				

## Sexually Transmitted Infections

In addition to the data collected by the health department, the state collects data on various sexually transmitted infections, including HIV, AIDS, syphilis, gonorrhea, and chlamydia. Caswell County is fortunate to have a lower reported rate of sexually transmitted infections as compared to the state. However, it is possible that Caswell County may have a higher number of infections, but people may

not seek care or testing for these conditions, so the diagnosis is not made and the condition is not reported.

Number of Individuals ever diagnosed with HIV or AIDS (as of 12/31/2017)		
Geographic Area	HIV	AIDS
Caswell	63	25
Chowan	30	15
Greene	70	41
Warren	57	26
Alamance	460	203
Person	97	42
Rockingham	195	74
North Carolina	35,045	15,999

Due to the low numbers of diagnoses, the rates for new diagnosis for HIV or AIDS in Caswell County are statistically unreliable. For the period of 2015-2017, 6 new cases of HIV, 3 new cases of AIDS, and 6 new cases of early syphilis were diagnosed to Caswell County residents.<sup>xxxvii</sup>

Chlamydia Rates per 100,000		
Year	Caswell County	NC
2013	290.1	499.7
2014	289.1	502.5
2015	463.9	541.6
2016	404.5	571.8
2017	538.7	612.2

Gonorrhea Rates per 100,000		
Year	Caswell County	NC
2013	138.6	143.4
2014	87.6	150.6
2015	148.8	169.8
2016	175.9	194.2
2017	172.2	220.9

## Environmental Health Information

Caswell County Health Department also collects environmental health data. The Environmental Health division of the Caswell County Health Department is responsible for the local water quality program, inspecting restaurants and facilities, and childhood lead investigations.

### Water Quality Program

From January 1 to December 31, 2019, Environmental Health staff tested 65 water samples for chemical contaminants, which are naturally occurring inorganic compounds. Of these samples, 31 met NC minimum quality standards and 34 (or 52%) did not. The most common outliers were iron and manganese. Even at slightly elevated levels, these metals do not normally pose a substantial health risk and are considered secondary standards. Environmental Health staff also tested 137 water samples for bacteriological contaminants. Of these samples, 104 had no contamination and 33 (24%) tested positive for coliform contamination and 4 tested positive for fecal coliform contamination. Information for prior years can be viewed in the tables below and on the next page.

Caswell County Water Samples Tested for Chemical Contaminants				
	2016	2017	2018	2019
<b>Total number of samples tested</b>	<b>86</b>	<b>68</b>	<b>48</b>	<b>65</b>
Number met state guidelines	51	38	37	31
Number did not meet state guidelines	35	30	11	34

Caswell County Water Samples Tested for Biological Contaminants				
	2016	2017	2018	2019
<b>Total number of samples tested</b>	<b>147</b>	<b>138</b>	<b>126</b>	<b>137</b>
Number no contamination	117	104	94	104
Number coliform contamination	30	34	32	33
Number fecal coliform contamination	1	0	0	4

### *When to test your well*

#### **How often should I test my well?**

- Every year for total and fecal coliform bacteria
- Every 2 years for heavy metals, nitrates, nitrites, lead, copper, and volatile organic compounds.
- Every 5 years for pesticides, unless you know specific pesticides are being applied. In that case test for that specific pesticide yearly.
- If you are pregnant or have an infant in the home, test your water for nitrates.

For well testing questions or other concerns, Caswell County Health Department Environmental Health may be reached at 336-694-9731.

### **Restaurants and Facilities**

For 2019, 206 facilities were inspected. Of these facilities, 199 received grade A and 7 received grade B scores. Examples of facilities include day cares, camps, lodging establishments, residential care homes, and swimming pools. Facilities are inspected at least once per year.

Caswell County Facility Inspections				
	2016	2017	2018	2019
Grade A	197	202	194	199
Grade B	3	7	8	7
Total	200	209	202	206

### **Childhood Lead Investigations**

There have been no childhood lead investigations in the last 4 years.

New for 2019, NC changed the definitions for "elevated blood lead levels" and "confirmed lead poisoning." Below are the current definitions.

§ 130A-131.7. Definitions.

(3) "Confirmed lead poisoning" means a blood lead concentration of 10 micrograms per deciliter or greater determined by the lower of two consecutive blood tests within a 12-month period.

(5) "Elevated blood lead level" means a blood lead concentration of 5 micrograms per deciliter or greater determined by the lower of two consecutive blood tests within a 12-month period.

## Other Environmental Health Concerns

### *Air Quality*

Due to the low population density, air quality data is not collected by the U.S. Environmental Protection Agency for Caswell County.

### *Radon*

In January 2019, the North Carolina Radiation Protection Commission asked Caswell County Health Department to help distribute free Radon kits to citizens. The health department received 100 kits and has distributed approximately 60 to date.



# CHAPTER 5: COMMUNITY HEALTH CONCERNS AND NEW INITIATIVES

The Community Health Assessment submitted in March of 2016 identified three priorities: Mental Health, Substance Use, and Obesity. Due to lack of full-time health education staff, much of the work focused around these priorities has focused on environmental and policy level work and collaborating with other community agencies and organizations when possible. As a reminder, if you would like to be involved in any of projects or initiatives, please contact the health department at 336-694-4129.

## Obesity

In the area of obesity, the two evidence-based strategies identified were worksite wellness for county employees and increased access to fresh produce within the county. Since March of 2016, these strategies have included the following projects:

- ◆ The development of the Yanceyville Farmer's Market led by the Caswell County Local Foods Council. This market has been in operation since the summer of 2016. This market is in operation during the warmer months only. Please see the Caswell County Local Foods Council website (<https://www.caswelllocalfoods.org/>) and/or Facebook page for more information.
- ◆ The farmer's market also offers double bucks to SNAP recipients and the 2 Bite Club. The 2 Bite Club is a program where children attending the market can sample 2 bites of a produce item and receive \$5 in market dollars.
- ◆ Caswell County Health Department, Caswell County Local Foods Council, and the Second Harvest Foodbank of Northwest North Carolina partnered with area food pantries to offer fresh produce at the food pantries. These organizations also worked together and with local Cooperative Extension to offer "Cooking Matters" classes, which focuses on healthy cooking skills.
- ◆ Caswell County Local Government began a county wellness program in 2016. In 2018 this program was expanded to include other area employers. This initiative is led by Paula Seamster, clerk to the Board of Commissioners.

## Mental Health and Substance Use

To maximize efficiency, these two issues have been combined in many community efforts. The decision to combine was a group decision, recognizing that these two issues often interrelate and involve many of the same organizations. Providing evidence-based mental health training was the selected strategy to address mental health and substance use priorities.

- ◆ There is a medication disposal drop box housed in the Sheriff's Office. The box is available 24 hours a day, 7 days a week, and is open to the public, no questions asked.
- ◆ Cardinal Innovations Healthcare has provided several mental health trainings since 2016. These trainings were available to the public and to staff of local organizations free of charge. Classes offered include: Mental Health First Aid; Youth Mental Health First Aid; "Question, Persuade, Refer" (QPR) suicide prevention training, opioid training, and trainings on stigma and trauma.
- ◆ A few screenings of the *Resilience* documentary have been held since October of 2018. These screenings resulted from a partnership between the Caswell Chapter of The Health Collaborative, Caswell County Partnership for Children, Caswell County Schools, and Prevent

Child Abuse NC. The audience included various local and regional agencies that serve children, as well as parents and other interested individuals. A panel discussion immediately followed the documentary during the October 2018 showing. The documentary focuses on Adverse Childhood Experiences (ACEs) and toxic stress in childhood and the lifelong implications as a result.

- ◆ Caswell County hosted NC Department of Health and Human Services training on opioids and methamphetamines.
- ◆ **As a reminder for anyone experiencing a mental health crisis, the crisis line is 800-939-5911.**

## New Initiatives, Emerging Projects, and Other Accomplishments

### New Initiatives

In addition to the projects mentioned in the previous section, the health department has been involved in several new projects since January 1, 2019.

- ◆ Restaurants and facilities now have to maintain refrigeration temperatures at 41°F; the previous temperature was 45°F.
- ◆ Caswell County Health Department joined with Caswell Family Medical Center, the Community Health Worker Initiative of the Dan River Region, and the NC Association for Community Health Centers to offer a community health worker program in Caswell County.
- ◆ Caswell County Health Department paired with Prevent Blindness North Carolina to offer a free retinal screening to the public in July 2019. The event was held at the health department.
- ◆ Caswell County Health Department partnered with Caswell County Public Library, Caswell Health Collaborative and Caswell Family Medical Center to offer an expectant parents lunch and learn series for pregnant women and their partners. The series will be offered in the spring of 2020 also. Gunn Memorial Public Library received the funding for the program through the State Library of North Carolina Library Services and Technology Act (LSTA) grant program.
- ◆ The health department hosted a training session called “You Quit, 2 Quit,” which is a training aimed at tobacco and nicotine product use reduction and cessation for pregnant women in May of 2019. This programming is of particular relevance to Caswell County, since the county has a higher percentage of women who smoke while pregnant in comparison to the state and peer and neighbor counties. Additional information, including statistics, is in the Birth section in Chapter 4 of this report.
- ◆ The Caswell Chapter of The Health Collaborative received funding in March of 2019 from the Blue Cross and Blue Shield Foundation of North Carolina for a Community-Centered Health project. This idea of community-centered health idea is not a standalone project and is, instead, an approach used to do the work of the Caswell Chapter of The Health Collaborative.
- ◆ The inaugural Celebrating Caswell breakfast event was held in January of 2019. This event brought together many community and organizational partners to highlight various initiatives and successes of local events and efforts. Members of the public were also invited to this event. The event was hosted and funded by the Caswell Chapter of The Health Collaborative.

- ◆ Caswell County Health Department partnered with two local veterinarians, Drs. Fuller and Frenzel, to offer a low cost rabies clinic to the public in 2019.
- ◆ Cardinal Innovations Healthcare sponsored a MedAssist event in 2019. This event provides free over the counter medications. The health department and other county agencies provided volunteers for this event.
- ◆ Caswell County Health Department received North Carolina Breastfeeding Coalition's *Breastfeeding Friendly Business Award* in 2019.

## Emerging Projects

- ◆ Caswell County Health Department, Caswell Family Medical Center, and Piedmont Health Services have been in discussions around the issue of a locally maintained data center for Social Determinants of Health data.
- ◆ Caswell County Health Department held a teen focus group to assess the health department clinic's friendliness to teens and topics of interest to teens. The health department is working on ways of making the facility more inviting to teens.
- ◆ The health department is working on ways of making services, programming, and initiatives more equitable to the community. As part of this equity work, the health department has hosted Racial Equity Institute's "Groundwater" training. This training was open to other departments and the public. Caswell County is in a yearlong Government Alliance on Race and Equity (GARE) training process in partnership with other local agencies and organizations. Caswell County has been the first group in this project to include the county manager and non-government community members.
- ◆ Caswell Family Medical Center has partnered to provide a licensed clinical social worker at Caswell County Health Department and Caswell County Senior Services two to three days per week.

## Other Accomplishments

- ◆ The Caswell Chapter of The Health Collaborative was formed out of the larger Health Collaborative of the Dan River Region to better address the unique challenges of Caswell County. The collaborative officially began meeting in January of 2018. The Caswell Chapter of The Health Collaborative creates a collaborative platform and promotes a Community-Centered Health approach, supported by funding through the Blue Cross and Blue Shield of North Carolina Foundation's Community-Centered Health Initiative. Central tenets of the community-centered health approach include: 1) Development of a clinical-community partnership in which community members (people who have experienced the conditions that cause inequities) have leadership roles; 2) Orientation to policy, systems, and environmental changes that will sustain impact and lead to health improvements at the population level; and, 3) Commitment to clinical shift in which health care organizations make changes to their own processes and culture to identify and act on non-medical barriers to good health at the population level.
- ◆ Caswell County partnered with Alamance County in a regional effort to attend the UNC Injury Prevention Academy for the 2016-17 year. This academy focused on harm reduction and other efforts related to substance use.
- ◆ Caswell County Health Department has offered several sessions of the Diabetes Prevention Program. This program is aimed at preventing the progression of prediabetes into diabetes.

- ◆ Caswell County Health Department and some other local agencies participate in the Reach Out and Read program, which provides developmentally appropriate books to children.
- ◆ Caswell County Health Department hosted a Darkness to Light® childhood sexual abuse prevention training in 2017.
- ◆ Caswell County Health Department has offered several drive through flu clinics since 2017.
- ◆ Caswell County Health Department, Caswell Family Medical Center, and Caswell County Schools have partnered to explore providing a school based clinic in one of the local public schools.
- ◆ Caswell County Health Department started offering expanded clinic hours in 2017. Since that time, the clinic has been open until 7:00 p.m. on Tuesdays and includes WIC services. As a reminder, the health department provides primary care and maternity health services.
- ◆ Caswell County Health Department made improvements to security and Wi-Fi in 2019. The health department is also improving the facility in other ways to make it more inviting and comfortable to better meet the needs of staff, visitors, and the public.

# Appendices

## Appendix A: Community Health Assessment (CHA) Teams and Contributors

### CHA Document Author

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### CHA Document Editing and Formatting

Marcy Williams, Caswell County Health Department

### CHA Listening Session Facilitation

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### CHA Team

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Alisa Montgomery, Piedmont Community College

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Barry Lynch, Caswell County Emergency Services

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Peggy Robinson, Second Harvest Food Bank

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# Appendix B: 2019 CHA Opinion Survey

## Caswell County Community Health Assessment Survey

Every 3-4 years the state of North Carolina requires local health departments to conduct a community health assessment survey. We are asking for your help! This survey will take approximately 15 minutes of your time and will help identify Caswell County's most pressing community health concerns. This survey will begin the process of making Caswell County a healthier county.

- ◆ **This survey is anonymous. DO NOT place your name or any other identifying information on the survey. Your answers will not be connected to you in any way, and surveys will be shredded at the end of the assessment process.**
- ◆ **Please complete the survey only once per person! Each person in your household can complete their own survey.**
- ◆ **You may also complete this survey at [www.caswellnc.us](http://www.caswellnc.us)**

<p><b>1. Where in Caswell County do you live?</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Blanch (27212)  <input type="checkbox"/> Cedar Grove (27231)  <input type="checkbox"/> Gibsonville (27249)  <input type="checkbox"/> Leasburg (27291)  <input type="checkbox"/> Milton (27305)  <input type="checkbox"/> Prospect Hill (27314)  <input type="checkbox"/> Reidsville (27320)  <input type="checkbox"/> Semora (27343)  <input type="checkbox"/> I work or have worked in Caswell County, but do not live here.  <input type="checkbox"/> I do not live or work in Caswell County.         </div> <div style="width: 50%;"> <input type="checkbox"/> Burlington (27217)  <input type="checkbox"/> Elon (27244)  <input type="checkbox"/> Hurdle Mills (27541)  <input type="checkbox"/> Mebane (27302)  <input type="checkbox"/> Pelham (27311)  <input type="checkbox"/> Providence (27315)  <input type="checkbox"/> Ruffin (27326)  <input type="checkbox"/> Yanceyville (27379)         </div> </div>	<p><b>12. In the last 12 months, have you or a loved one needed help with any of the following? Select ALL that apply.</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Food  <input type="checkbox"/> Drug or alcohol use  <input type="checkbox"/> Transportation         </div> <div style="width: 50%;"> <input type="checkbox"/> Mental health  <input type="checkbox"/> Housing  <input type="checkbox"/> No help needed         </div> </div>
<p><b>2. There is good health care in Caswell County.</b></p> <input type="checkbox"/> Agree <input type="checkbox"/> Neutral <input type="checkbox"/> Disagree	<p><b>13. If a friend or family member needed help for a mental health or a drug/alcohol use problem, who would you tell them to talk to? Select ALL that apply.</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Private counselor or therapist  <input type="checkbox"/> Doctor or nurse  <input type="checkbox"/> Minister/religious official  <input type="checkbox"/> Other: _____         </div> <div style="width: 50%;"> <input type="checkbox"/> Support group  <input type="checkbox"/> Pharmacist  <input type="checkbox"/> Hotline  <input type="checkbox"/> Not sure         </div> </div>
<p><b>3. Caswell County is a good place to raise children.</b></p> <input type="checkbox"/> Agree <input type="checkbox"/> Neutral <input type="checkbox"/> Disagree	<p><b>14. If you had to go to the hospital, which one would you select?</b></p> <input type="checkbox"/> Danville Regional Medical Center <input type="checkbox"/> Person Memorial Hospital <input type="checkbox"/> Morehead Memorial Hospital <input type="checkbox"/> Wake Forest Baptist Hospital <input type="checkbox"/> Cone system (Annie Penn, Alamance Regional, Cone, Wesley Long, etc.) <input type="checkbox"/> Duke system (Duke University, Duke Regional, Duke Raleigh, etc.) <input type="checkbox"/> UNC system (UNC, UNC Hillsborough, Rex, etc.) <input type="checkbox"/> Durham VA Hospital
<p><b>4. Caswell County is a good place to grow old.</b></p> <input type="checkbox"/> Agree <input type="checkbox"/> Neutral <input type="checkbox"/> Disagree	<p><b>15. For routine medical care, where do you go for your medical needs?</b></p> <input type="checkbox"/> A provider in Caswell County <input type="checkbox"/> A provider outside of Caswell County
<p><b>5. There is plenty of economic opportunity in Caswell County.</b></p> <input type="checkbox"/> Agree <input type="checkbox"/> Neutral <input type="checkbox"/> Disagree	<p><b>16. Have you seen a health care provider in the past 3 years for a physical?</b></p> <input type="checkbox"/> Yes <input type="checkbox"/> No
<p><b>6. Caswell County is a safe place to live.</b></p> <input type="checkbox"/> Agree <input type="checkbox"/> Neutral <input type="checkbox"/> Disagree	<p><b>17. In the last 12 months, was there a time when you felt you needed medical care, but did not go? If so, what is the main reason you did not go?</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> No such time  <input type="checkbox"/> I could not afford to go  <input type="checkbox"/> I did not know where to go  <input type="checkbox"/> Takes too long to get appointment         </div> <div style="width: 50%;"> <input type="checkbox"/> I had no transportation  <input type="checkbox"/> I had no child care  <input type="checkbox"/> Office hours were not convenient  <input type="checkbox"/> Long wait time in doctor's office         </div> </div>
<p><b>7. There is plenty of help for people during times of need in Caswell County.</b></p> <input type="checkbox"/> Agree <input type="checkbox"/> Neutral <input type="checkbox"/> Disagree	<p><b>18. Do you have any type of health insurance? Include Medicaid, Medicare, State Employees, VA/military benefits, and other insurance companies.</b></p> <input type="checkbox"/> Yes <input type="checkbox"/> No
<p><b>8. Please select the FIVE most important health issues facing Caswell County.</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Access to health care  <input type="checkbox"/> Alcohol use  <input type="checkbox"/> Cancer  <input type="checkbox"/> Cost of health care &amp; medications  <input type="checkbox"/> Diabetes  <input type="checkbox"/> Elder abuse &amp; neglect  <input type="checkbox"/> Food insecurity  <input type="checkbox"/> High blood pressure  <input type="checkbox"/> Lack of physical activity  <input type="checkbox"/> Motor vehicle accidents or injuries  <input type="checkbox"/> Poor diet or eating habits  <input type="checkbox"/> Rape &amp; sexual assault  <input type="checkbox"/> Spouse or partner violence  <input type="checkbox"/> Stroke  <input type="checkbox"/> Unplanned pregnancy  <input type="checkbox"/> Tobacco use, E-cigs, vape, &amp; secondhand smoke         </div> <div style="width: 50%;"> <input type="checkbox"/> Access to healthy foods  <input type="checkbox"/> Asthma or respiratory conditions  <input type="checkbox"/> Child abuse &amp; neglect  <input type="checkbox"/> Dental health  <input type="checkbox"/> Drug use  <input type="checkbox"/> Firearm-related injuries  <input type="checkbox"/> Heart disease  <input type="checkbox"/> HIV or AIDS  <input type="checkbox"/> Mental health  <input type="checkbox"/> Obesity or overweight  <input type="checkbox"/> Prescription drug abuse  <input type="checkbox"/> Sexually transmitted infections  <input type="checkbox"/> Suicide  <input type="checkbox"/> Teen pregnancy  <input type="checkbox"/> Violence         </div> </div>	<p><b>19. Have you seen a dentist in the last 12 months for preventive care (cleaning, x-rays, etc.)?</b></p> <input type="checkbox"/> Yes <input type="checkbox"/> No
<p><b>9. Select the THREE most important factors for a good quality of life.</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Good place to raise children  <input type="checkbox"/> Acceptance of diversity in all forms  <input type="checkbox"/> Access to health care  <input type="checkbox"/> Clean environment  <input type="checkbox"/> Arts &amp; cultural events  <input type="checkbox"/> Good jobs &amp; healthy economy  <input type="checkbox"/> Religious/spiritual values         </div> <div style="width: 50%;"> <input type="checkbox"/> Low crime  <input type="checkbox"/> Good schools  <input type="checkbox"/> Parks &amp; recreation areas/facilities  <input type="checkbox"/> Affordable quality housing  <input type="checkbox"/> Positive race relations  <input type="checkbox"/> Healthy behavior &amp; lifestyles  <input type="checkbox"/> Access to healthy foods         </div> </div>	<p><b>20. Do you always use car/booster seats for all child passengers who are under 8 years old or under 80 lbs?</b></p> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I do not transport children
<p><b>10. Which THREE issues do you think lower the quality of life in Caswell County?</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Pollution (air, water, land)  <input type="checkbox"/> Low income or poverty  <input type="checkbox"/> Hopelessness  <input type="checkbox"/> Lack of community support  <input type="checkbox"/> Child abuse  <input type="checkbox"/> Violent crime (murder, assault, rape, etc.)         </div> <div style="width: 50%;"> <input type="checkbox"/> Dropping out of school  <input type="checkbox"/> Homelessness  <input type="checkbox"/> Discrimination or racism  <input type="checkbox"/> Elder abuse  <input type="checkbox"/> Domestic violence  <input type="checkbox"/> Theft         </div> </div>	<p><b>21. Do you always use seat belts when you drive or ride in a vehicle, including the back seat?</b></p> <input type="checkbox"/> Yes <input type="checkbox"/> No
<p><b>11. Which of these services need the most improvement in your community? Select 3.</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Animal control  <input type="checkbox"/> Elder care options  <input type="checkbox"/> Better or more healthy food choices  <input type="checkbox"/> Counseling or mental health options  <input type="checkbox"/> Healthy family activities  <input type="checkbox"/> Transportation options  <input type="checkbox"/> Higher paying employment  <input type="checkbox"/> Education or schools         </div> <div style="width: 50%;"> <input type="checkbox"/> Child care options  <input type="checkbox"/> Services for disabled people  <input type="checkbox"/> Quality affordable housing  <input type="checkbox"/> Better or more recreation facilities  <input type="checkbox"/> Positive teen activities  <input type="checkbox"/> Employment opportunities  <input type="checkbox"/> Road maintenance         </div> </div>	<p><b>22. If you have dogs, cats, and/or ferrets, are their rabies shots up to date?</b></p> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> I don't know. <input type="checkbox"/> I don't have dogs, cats, or ferrets.
<p><b>12. In the last 12 months, have you or a loved one needed help with any of the following? Select ALL that apply.</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Food  <input type="checkbox"/> Drug or alcohol use  <input type="checkbox"/> Transportation         </div> <div style="width: 50%;"> <input type="checkbox"/> Mental health  <input type="checkbox"/> Housing  <input type="checkbox"/> No help needed         </div> </div>	<p><b>23. Have you ever been told by a health care provider that you have any of the following conditions? Check all that apply, even if you take medication for the condition.</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Arthritis  <input type="checkbox"/> Cancer  <input type="checkbox"/> Depression or Anxiety (nerves)  <input type="checkbox"/> Diabetes (other than during pregnancy)  <input type="checkbox"/> Heart disease  <input type="checkbox"/> High cholesterol  <input type="checkbox"/> Kidney disease  <input type="checkbox"/> Osteoporosis  <input type="checkbox"/> Sexually transmitted infections  <input type="checkbox"/> Substance use  <input type="checkbox"/> Heart attack         </div> <div style="width: 50%;"> <input type="checkbox"/> Asthma  <input type="checkbox"/> COPD/Emphysema  <input type="checkbox"/> Diabetes during pregnancy only  <input type="checkbox"/> Pre-diabetes or borderline diabetes  <input type="checkbox"/> High blood pressure  <input type="checkbox"/> HIV/AIDS  <input type="checkbox"/> Mental illness  <input type="checkbox"/> Overweight/Obesity  <input type="checkbox"/> Stroke  <input type="checkbox"/> Tobacco use         </div> </div>
<p><b>13. If a friend or family member needed help for a mental health or a drug/alcohol use problem, who would you tell them to talk to? Select ALL that apply.</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Private counselor or therapist  <input type="checkbox"/> Doctor or nurse  <input type="checkbox"/> Minister/religious official  <input type="checkbox"/> Other: _____         </div> <div style="width: 50%;"> <input type="checkbox"/> Support group  <input type="checkbox"/> Pharmacist  <input type="checkbox"/> Hotline  <input type="checkbox"/> Not sure         </div> </div>	<p><b>24. In the past 12 months, have you used any of the following tobacco products? Select all that apply.</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Cigarettes  <input type="checkbox"/> E-Cigarettes or Vape  <input type="checkbox"/> I have not used tobacco in the past 12 months         </div> <div style="width: 50%;"> <input type="checkbox"/> Cigars or pipes  <input type="checkbox"/> Chew/dip/snuff         </div> </div>
<p><b>14. If you had to go to the hospital, which one would you select?</b></p> <input type="checkbox"/> Danville Regional Medical Center <input type="checkbox"/> Person Memorial Hospital <input type="checkbox"/> Morehead Memorial Hospital <input type="checkbox"/> Wake Forest Baptist Hospital <input type="checkbox"/> Cone system (Annie Penn, Alamance Regional, Cone, Wesley Long, etc.) <input type="checkbox"/> Duke system (Duke University, Duke Regional, Duke Raleigh, etc.) <input type="checkbox"/> UNC system (UNC, UNC Hillsborough, Rex, etc.) <input type="checkbox"/> Durham VA Hospital	<p><b>25. If you are a tobacco user, which of the following would help you quit?</b></p> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Support group  <input type="checkbox"/> Counseling  <input type="checkbox"/> I do not want to quit.         </div> <div style="width: 50%;"> <input type="checkbox"/> Patch, medication, etc.  <input type="checkbox"/> I am not ready to quit.  <input type="checkbox"/> Other: _____         </div> </div>



**26. Considering smoking is already prohibited inside restaurants, bars, and government buildings, do you think the regulations limiting smoking in public places should be extended to include: (Select all that apply.)**  
☐ Outdoor public recreation areas      ☐ Indoor public places (stores, arcades, etc.)  
☐ Entry areas of buildings (within 25 feet)      ☐ Grounds of government buildings  
☐ No, I don't see the need for additional regulations

**27. How many days per week do you have more than one alcoholic drink if you are a woman or more than two alcoholic drinks if you are a man?**  
☐ 1-2 days per week      ☐ 3-4 days per week  
☐ 5-7 days per week      ☐ I do not ever drink  
☐ Less than one day per week but drink occasionally

**28. Even if you have quit, at what age did you start and how long did you use:**  
**Tobacco** (Age: \_\_\_\_\_ Years of use: \_\_\_\_\_) **Alcohol** (Age: \_\_\_\_\_ Years of use: \_\_\_\_\_)  
☐ I have never used tobacco      ☐ I have never used alcohol

**29. In the past year, have you used prescription pain medications for an injury or for a medical or dental procedure for longer than one week?**  
☐ Yes      ☐ No      ☐ I don't know

**30. Have you ever been tested for Hepatitis C?**  
☐ Yes      ☐ No      ☐ I don't know

**31. Have you ever been tested for HIV or AIDS?**  
☐ Yes      ☐ No      ☐ I don't know

**32. Do you consider yourself to be overweight?**  
☐ Yes      ☐ No

**33. It is easy to purchase healthy foods in my community, such as whole grain foods, low-fat options, and fruits and vegetables.**  
☐ Agree      ☐ Neutral      ☐ Disagree

**34. Which factors prevent you from healthy eating? Select all that apply.**  
☐ Cost of healthy food      ☐ Time to prepare healthy food  
☐ I prefer to eat out.      ☐ I choose unhealthy food.  
☐ I eat large portions.      ☐ I don't know how to cook.  
☐ Limited access to grocery stores      ☐ None, I think I am a healthy eater.

**35. How many days do you exercise for 30 minutes or more in a typical week?**  
☐ 1-2 days      ☐ 3-4 days  
☐ 5-7 days      ☐ I rarely exercise

**36. What types of exercise do you do on a regular basis? Select all that apply.**  
☐ Bicycling      ☐ Fitness classes  
☐ Golf      ☐ Jogging or running  
☐ Kayaking or canoeing      ☐ Martial arts  
☐ Sports (basketball, softball, soccer, etc)      ☐ Swimming  
☐ Walking or hiking      ☐ Weight lifting  
☐ I do not exercise

**37. What are the reasons you do not exercise? Select all that apply**  
☐ My job is physical or hard labor.      ☐ No time to exercise  
☐ No child care      ☐ I don't like to exercise.  
☐ Costs too much      ☐ No safe place to exercise  
☐ I am too tired to exercise.      ☐ I am physically disabled.  
☐ I don't have access to a facility with things I need to exercise, like a pool or track.  
☐ None—I exercise regularly

**38. In the past year, which current recreation facilities in Caswell County have you and your family used? Select all that apply.**  
☐ Athletic fields      ☐ Tennis courts  
☐ Gymnasium      ☐ Walking trail or track  
☐ Playground      ☐ Waterways (Hyco, Farmer Lake, river, etc)  
☐ Sidewalks      ☐ None

**39. How do you get news regarding Caswell County services? Select up to 3.**  
☐ Newspaper      ☐ TV  
☐ Email      ☐ Radio  
☐ Internet      ☐ Social network site (Facebook, twitter, etc.)  
☐ Flyers or community bulletin board      ☐ Word of mouth  
☐ Other: \_\_\_\_\_

**40. Where do you get your health-related information? Select up to 3.**  
☐ Friends and family members      ☐ Doctor or nurse  
☐ Pharmacist      ☐ Church  
☐ Internet      ☐ My child's school  
☐ Help lines      ☐ Books, magazines, or newspaper  
☐ Library      ☐ Other: \_\_\_\_\_

**41. What would be your main way of getting information from authorities in a large-scale disaster or emergency? Select only ONE.**  
☐ TV      ☐ Radio  
☐ Internet      ☐ Social network site (Facebook, twitter, etc.)  
☐ Word of mouth      ☐ Text message (emergency alert)  
☐ Other: \_\_\_\_\_

**42.. What is your primary phone?**  
☐ Cell/mobile      ☐ I do not have a phone  
☐ Land line (home phone)

*The below questions are only asked to make sure we have a representative sample of the population and are not used to identify you in any way.*

**43. What is your age?**  
☐ 15-19      ☐ 20-34  
☐ 35-54      ☐ 55-64  
☐ 65-74      ☐ 75 or older

**44. What is your gender?**  
☐ Male      ☐ Female

**45. How do you classify your race?**  
☐ American Indian or Alaskan native      ☐ White  
☐ Asian or Pacific Islander      ☐ Two or more races  
☐ Black or African American      ☐ Other

**46. How do you classify your ethnicity?**  
☐ Hispanic      ☐ Non-Hispanic

**47. What is your highest level of education?**  
☐ Less than high school      ☐ High school diploma or GED  
☐ Some college      ☐ Associate's degree or vocational training  
☐ Bachelor's degree      ☐ Graduate degree (master's doctoral, professional)

**48. What was your household income last year?**  
☐ Less than \$10,000      ☐ \$35,000-49,999  
☐ \$10,000-14,999      ☐ \$50,000-74,999  
☐ \$15,000-24,999      ☐ \$75,000-99,999  
☐ \$25,000-34,999      ☐ \$100,000 and up

**Return your completed survey to:**

CHA Team  
Caswell County Health Department  
P.O. Box 1238  
Yanceyville, NC 27379

**OR drop off at one of the following locations:**

- Aunt Millie's Pizza
- Caswell County Department of Social Services
- Caswell County Offices of Environmental Health, Planning, and Building Inspections
- Caswell County Health Department
- Caswell County Outreach Ministry
- Caswell County Senior Center
- Caswell Family Medical Center
- Gibsonville Dollar General (6672 Highway 87, Gibsonville)
- Gunn Memorial Public Library
- Jimmy & Hope's Family Restaurant
- North Village Pharmacy
- Pelham Post Office
- Trang's Diner

**This survey may also be accessed online through the Health Department's webpage:**  
<http://www.caswellinc.us/>



## Appendix C: 2019 CHA Opinion Survey Responses

### 1. Where in Caswell County do you live?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Blanch (27212)	14.59	27	8.38	30	10.50	57
Burlington (27217)	2.7	5	4.19	15	3.68	20
Cedar Grove (27231)	0	0	0.28	1	0.18	1
Elon (27244)	0.54	1	5.31	19	3.68	20
Gibsonville (27249)	0.54	1	2.23	8	1.66	9
Hurdle Mills (27541)	0	0	0	0	0	0
Leasburg (27291)	4.86	9	5.59	20	5.34	29
Mebane (27302)	2.7	5	4.75	17	4.05	22
Milton (27305)	5.41	10	5.87	21	5.71	31
Pelham (27311)	9.19	17	6.98	25	7.73	42
Prospect Hill (27314)	2.16	4	3.91	14	3.31	18
Providence (27315)	11.35	21	8.38	30	9.39	51
Reidsville (27320)	0.54	1	7.82	28	5.34	29
Ruffin (27326)	6.49	12	3.35	12	4.42	24
Semora (27343)	3.78	7	0.84	3	1.84	10
Yanceyville (27379)	20	37	29.33	105	26.15	142
I work or have worked in Caswell County, but do not live here	13.51	25	2.79	10	6.45	35
I do not live or work in Caswell County	1.62	3	0	0	0.55	3
Total		185		358		543

### 2. There is good health care in Caswell County.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Agree	28	49	31.12	108	30.08	157
Neutral	46.29	81	50.14	174	48.85	255
Disagree	25.71	45	18.73	65	21.07	110
Total		175		347		522

### 3. Caswell County is a good place to raise children.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Agree	55.11	97	53.98	190	54.36	287
Neutral	31.82	56	35.8	126	34.47	182
Disagree	13.07	23	10.23	36	11.17	59
Total		176		352		528

4. Caswell County is a good place to grow old.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Agree	64.20	113	57.55	202	59.77	315
Neutral	23.86	42	31.91	112	29.22	154
Disagree	11.93	21	10.54	37	11.01	58
Total		176		351		527

5. There is plenty of economic opportunity in Caswell County.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Agree	6.82	12	13.22	46	11.07	58
Neutral	18.08	32	32.76	114	27.86	146
Disagree	75	132	52.04	188	61.07	320
Total		176		348		524

6. Caswell County is a safe place to live.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Agree	63.64	112	56.13	197	58.63	309
Neutral	32.39	57	35.33	124	34.35	181
Disagree	3.98	7	8.55	30	7.02	37
Total		176		351		527

7. There is plenty of help for people during times of need in Caswell County.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Agree	29.71	52	34.01	118	32.57	170
Neutral	44	77	40.92	142	41.95	219
Disagree	26.29	46	25.07	87	25.48	133
Total		175		347		522

8. Please select the FIVE most important health issues facing Caswell County.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Access to health care	33.53	57	31.55	112	32.19	169
Access to healthy foods	24.12	41	17.75	63	19.81	104
Alcohol use	12.35	21	24.51	87	20.57	108
Asthma or respiratory conditions	2.94	5	6.76	24	5.52	29
Cancer	20.00	34	23.66	84	22.48	118
Child abuse/neglect	15.29	26	11.55	41	12.76	67
Cost of health care and/or medications	32.94	56	33.52	119	33.33	175
Dental health	19.41	33	21.69	77	20.95	110
Diabetes	25.88	44	23.38	83	24.19	127
Drug use	31.76	54	33.24	118	32.79	172
Elder abuse/neglect	8.24	14	8.17	29	8.19	43
Fire arm related injuries	2.94	5	2.82	10	2.86	15
Food insecurity	11.76	20	6.76	24	8.38	44
Heart disease	11.76	20	9.58	24	10.29	44
High blood pressure	15.29	26	24.51	87	21.52	113
HIV/AIDS	2.94	5	4.51	16	4.00	21
Lack of physical activity	38.82	66	24.23	86	28.95	152
Mental health	31.76	54	18.31	65	22.67	119
Motor vehicle accidents/injuries	4.71	8	3.66	13	4.00	21
Obesity/overweight	40	68	33.52	119	35.62	187
Poor diet or eating habits	32.35	55	18.87	67	23.24	122
Prescription drug use	8.82	15	11.83	42	10.84	57
Rape/sexual assault	0.59	1	2.82	10	2.10	11
Sexually transmitted infections	3.53	6	6.48	23	5.52	29
Spousal/partner violence	3.53	6	3.66	13	3.62	19
Stroke	2.35	4	6.2	22	4.95	26
Suicide	1.18	2	3.38	12	2.67	14
Teen pregnancy	5.29	9	14.93	53	11.81	62
Tobacco use, E-cigs, vape, and secondhand smoke	20.59	39	18.03	64	18.86	103
Unplanned pregnancy	9.41	16	10.14	36	9.90	52
Violence	8.24	14	10.99	39	10.10	53
Total		170		355		525

9. Select the THREE most important factors for a good quality of life.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Acceptance of diversity in all forms	16.87	28	11.3	40	13.08	68
Access to healthcare	31.93	53	24.86	88	27.12	141
Access to healthy foods	9.04	15	5.37	19	6.54	34
Affordable housing	7.83	13	16.1	57	13.46	70
Arts and cultural events	3.01	5	3.11	11	3.08	16
Clean environment	13.86	23	23.16	82	20.19	105
Good jobs and healthy economy	54.82	91	37.85	134	43.27	225
Good place to raise children	34.94	58	49.72	172	45.00	230
Good schools	42.17	70	40.11	142	40.77	212
Healthy behaviors and lifestyles	19.88	33	13.84	49	15.77	82

Low crime	28.31	47	34.75	123	32.69	170
Parks and recreation areas/facilities	7.23	12	8.19	29	7.88	41
Positive race relations	6.63	11	6.5	23	6.54	34
Religious/spiritual values	21.69	36	20.06	71	20.58	107
Total		166		354		520

10. Which THREE issues do you think lower the quality of life in Caswell County?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Child abuse	7.83	13	8.52	30	8.30	43
Discrimination/racism	30.12	50	32.67	115	31.85	165
Domestic violence	13.86	23	11.65	41	12.26	64
Dropping out of school	38.55	64	42.9	151	41.51	215
Elder abuse	5.42	9	5.4	19	5.41	28
Homelessness	2.41	4	12.5	44	9.27	48
Hopelessness	22.89	39	16.76	59	18.73	98
Lack of community support	40.39	67	39.77	140	39.96	207
Low income/poverty	86.75	144	75.85	267	79.34	411
Pollution (air, water, land)	7.83	13	7.95	28	7.92	41
Theft	26.51	44	21.31	75	22.97	119
Violent crime (murder, assault)	10.84	18	12.22	43	11.78	61
Total		166		352		518

11. Which of these services need the most improvement in your community? Select 3.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Animal control	7.93	13	9.4	33	8.93	46
Better/more healthy food choices	20.73	34	9.4	33	13.01	67
Better/more recreation facilities	12.2	20	13.39	47	13.01	67
Child care options	9.15	15	13.11	46	11.84	61
Counseling/mental health	20.12	33	15.38	54	16.89	87
Education/Schools	44.51	73	27.92	98	33.20	171
Elder care options	11.59	19	17.38	61	15.53	80
Employment opportunities	61.59	101	46.44	163	51.26	264
Healthy family activities	18.29	30	12.25	43	14.17	73
Higher paying employment	51.83	85	53.56	188	53.01	273
Positive teen activities	12.8	21	18.23	64	16.50	85
Quality affordable housing	10.37	17	14.25	50	13.01	67
Road maintenance	9.15	15	10.83	38	10.29	53
Services for disabled people	8.54	14	14.81	52	12.82	66
Transportation options	15.85	26	15.95	56	15.92	82
Total		164		351		515

12. In the last 12 months, have you or a loved one needed help with any of the following? Select ALL that apply.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Food	16.77	27	29.15	100	25.20	127
Drug/alcohol	4.97	8	6.41	22	5.95	30
Transportation options	11.18	18	17.78	61	15.67	79
Mental health	17.39	28	10.5	36	12.70	64
Housing	8.07	13	14.58	50	12.50	63
No help needed	68.94	111	57.43	197	61.11	308
Total		161		343		504

13. If a friend or family member needed help for a mental health or a drug/alcohol use problem, who would you tell them to talk to? Select ALL that apply.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Private counselor/therapist	67.68	111	52.19	179	57.20	290
Doctor or nurse	59.76	98	46.94	161	51.08	259
Minister	46.34	76	34.11	117	38.07	193
Support Group	38.41	63	32.36	111	34.32	174
Pharmacist	3.05	5	5.54	19	4.73	24
Hotline	26.83	44	19.83	68	22.09	112
Other	5.49	9	3.21	11	3.94	20
Not sure	9.76	16	16.62	57	14.40	73
Total		164		343		507

Other Responses (20):

8 votes for no services in Caswell  
 3 votes for mental health services  
 3 votes for friend or relative  
 2 votes for God or pastor  
 1 vote AA  
 1 vote for New Directions Now  
 1 vote for LME

14. If you had to go to the hospital, which one would you select?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Danville Regional	10.63	17	8.85	27	9.46	44
Morehead	1.88	3	3.28	10	2.80	13
Cone	31.25	50	36.39	111	34.62	161
Duke	28.75	46	24.59	75	26.02	121
UNC	20	32	20.66	63	20.43	95
Durham VA	0.63	1	2.3	7	1.72	8
Person	5	8	2.62	8	3.44	16
Wake Forest	1.88	3	1.31	4	1.51	7
Total		160		305		465

15. For routine medical care, where do you go for your medical needs?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
In Caswell County	30.82	49	44.18	148	39.88	197
Outside of Caswell County	69.18	110	55.82	187	60.12	297
Total		159		335		494

16. Have you seen a health care provider in the past 3 years for a physical?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Yes	86.34	139	90.5	305	89.16	444
No	13.66	22	9.5	32	10.84	54
Total		161		337		498

17. In the last 12 months, was there a time when you felt you needed medical care, but did not go? If so, what is the main reason you did not go?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
No such time	54.84	85	58.92	175	57.52	260
Couldn't afford	17.42	27	22.9	68	21.02	95
Didn't know where to go	5.16	8	1.35	4	2.65	12
Takes too long to get appointment	7.74	12	6.06	18	6.64	30
No transportation	1.29	2	1.68	5	1.55	7
No child care	2.58	4	0.67	2	1.33	6
Office hours not convenient	5.16	8	2.36	7	3.32	15
Long wait time in office	5.81	9	6.06	18	5.97	27
Total		15		297		312

18. Do you have any type of health insurance? Include Medicaid, Medicare, State Employees, VA/military benefits, and other insurance companies.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Yes	91.82	146	84.32	285	86.72	431
No	8.18	13	15.68	53	13.28	66
Total		159		338		497

19. Have you seen a dentist in the last 12 months for preventive care (cleaning, x-rays, etc.)?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Yes	70	112	67.35	231	68.19	343
No	30	48	32.65	112	31.81	160
Total		160		343		503

20. Do you always use car/booster seats for all child passengers who are under 8 years old or 80 lbs?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Yes	65	104	66.38	229	65.94	333
No	1.88	3	4.06	14	3.37	17
I don't transport children	33.13	53	29.57	102	30.69	155
Total		160		345		505

21. Do you always use seat belts when you drive or ride in a vehicle, including the back seat?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Yes	91.3	147	91.79	313	91.63	460
No	8.7	14	8.21	28	8.37	42
Total		161		341		502

22. If you have dogs, cats, and/or ferrets, are their rabies shots up to date?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Yes	61.88	99	51.74	178	54.96	277
No	7.5	12	9.01	31	8.53	43
I don't know	2.5	4	2.91	10	2.78	14
I don't have dogs, cats, ferrets	28.13	45	36.34	125	33.73	170
Total						

23. Have you ever been told by a health care provider that you have any of the following conditions?  
Check all that apply even if you take medication for the condition.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Arthritis	26.23	32	37.24	108	33.98	140
Asthma	10.66	13	14.14	41	13.11	54
Cancer	7.38	9	13.45	39	11.65	48
COPD/Emphysema	1.64	2	7.93	23	6.07	25
Depression or Anxiety (nerves)	33.61	41	27.59	80	29.37	121
Diabetes (other than during pregnancy)	4.92	6	2.07	6	16.99	12
Diabetes during pregnancy only	10.66	13	19.66	57	2.91	70
Pre-diabetes or borderline diabetes	18.85	23	10.34	30	12.86	53
Heart attack	0.82	1	4.83	14	3.64	15
Heart Disease	7.38	9	5.52	16	11.89	25
High blood pressure	43.44	53	48.97	142	47.33	195
High cholesterol	30.33	37	34.83	101	33.50	138
HIV/AIDS	0	0	0.69	2	0.49	2
Kidney Disease	0.82	1	3.45	10	2.67	11
Mental illness	7.32	9	5.52	16	6.07	25
Osteoporosis	1.64	2	8.28	24	6.31	26
Overweight/Obesity	35.25	43	32.07	93	33.01	136
Sexually transmitted infections	1.64	2	1.72	5	1.70	7
Stroke	2.46	3	4.83	14	4.13	17
Substance abuse	0.82	1	1.38	4	1.21	5
Tobacco use	12.3	15	19.66	57	17.48	72
Total		122		290		412

24. In the past 12 months, have you used any of the following tobacco products? Select all that apply.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Cigarettes	12.58	19	28.48	94	23.49	113
E-Cig	2.65	4	4.24	14	3.74	18
Cigars/pipes	1.99	3	1.52	5	1.66	8
Chew/dip	1.32	2	2.73	9	2.29	11
I have not used	84.11	127	68.18	225	73.18	352
Total		151		330		481

25. If you are a tobacco user, which of the following would help you quit?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Support Group	1.87	2	7.65	14	5.52	16
Counseling	1.87	2	3.83	7	3.10	9
Patch, medication	8.41	9	25.68	47	19.31	56
I am not ready to quit	8.41	9	18.03	33	14.48	42
I don't want to quit	1.87	2	6.56	12	4.83	14
Other	4.67	5	21.31	39	15.17	44
Total		107		183		290

"Other" Responses (44):

1 vote for using e-cig to quit

1 vote for Chantix

1 vote only too high priced will work

1 vote being sedated in hospital helped me quit

2 votes only smoke occasionally

38 votes for I don't smoke or N/A

26. Considering smoking is already prohibited inside restaurants, bars, and government buildings, do you think the regulations limiting smoking in public places should be extended to include: (Select all that apply.)

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Outdoor public recreation areas	50.63	81	28.92	94	36.08	175
Entry areas of buildings (within 25 feet)	57.5	92	36.92	120	43.71	212
Indoor public places (stores, arcades, etc.)	54.37	87	34.77	113	41.24	200
Grounds of government buildings	45	72	18.77	61	27.42	133
No, I don't see the need for additional	31.87	51	42.46	138	38.99	189
Total						



27. How many days per week do you have more than one alcoholic drink if you are a woman or more than two alcoholic drinks if you are a man?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
1-2	15	24	9.46	30	11.32	54
3-4	4.38	7	3.15	10	30.61	17
5-7	2.5	4	2.21	7	2.31	11
Less than 1 day per week but drink occasionally	36.25	58	27.76	88	52.20	146
I do not ever drink	41.88	67	57.41	182	3.56	249
Total		160		317		477

28. Even if you have quit, at what age did you start and how long did you use tobacco and/or alcohol:

#### TOBACCO AGE BEGAN USE

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
10 or younger	4.69	3	1.17	2	2.13	5
11	3.13	2	1.75	3	2.13	5
12	1.56	1	4.09	7	3.4	8
13	3.13	2	6.43	11	5.53	13
14	3.13	2	7.02	12	5.96	14
15	10.94	7	10.53	18	10.64	25
16	14.06	9	11.11	19	11.91	28
17	3.13	2	4.09	7	3.83	9
18	6.25	4	7.02	12	6.81	16
19	3.13	2	5.26	9	4.68	11
20	3.13	2	5.85	10	5.11	12
21+	20.31	13	17.54	30	18.3	43
Never used	23.44	15	18.13	31	19.57	46
Total		64		171		235

#### TOBACCO YEARS USED

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
less than 1 yr	7.41	4	1.61	2	3.37	6
1-4	9.26	5	13.71	17	12.36	22
5-9	5.56	3	5.65	7	5.62	10
10-14	12.96	7	10.48	13	11.24	20
15-19	5.56	3	11.29	14	9.55	17
20+	44.44	24	54.84	68	51.69	92
Never used	14.81	8	2.42	3	6.18	11
Total		54		124		178

### ALCOHOL AGE BEGAN USE

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
10 or younger	5.38	5	0	0	2.06	5
11	0	0	0.67	1	0.41	1
12	2.15	2	2	3	2.06	5
13	1.08	1	1.33	2	1.23	3
14	2.15	2	2	3	2.06	5
15	6.45	6	4.67	7	5.35	13
16	7.53	7	10	15	9.04	22
17	6.45	6	6	9	6.17	15
18	13.98	13	17.33	26	16.05	39
19	6.45	6	4	6	4.94	12
20	1.08	1	5.38	8	3.7	9
21+	36.56	34	31.33	47	33.33	81
Never used	10.75	10	15.33	23	13.58	33
Total		93		150		243

### ALCOHOL YEARS USED

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
less than 1 yr	2.41	2	5.31	6	4.08	8
1-4	8.43	7	13.27	15	11.22	22
5-9	14.46	12	7.96	9	10.71	21
10-14	12.05	10	15.04	17	13.78	27
15-19	9.64	8	11.5	13	10.71	21
20+	45.78	38	43.36	49	44.39	87
Never used	7.23	6	3.54	4	5.1	10

29. In the past year, have you used prescription pain medications for an injury or for a medical or dental procedure for longer than one week?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Yes	15.63	25	32.15	109	26.85	134
No	83.13	133	63.13	214	69.64	347
I don't know	1.25	2	4.72	16	3.61	18
Total		160		339		499

30. Have you ever been tested for Hepatitis C?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Yes	43.13	69	43.73	150	43.54	219
No	36.88	59	43.15	148	41.15	207
I don't know	20	32	13.12	45	15.31	77
Total		160		343		503

31. Have you ever been tested for HIV or AIDS?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Yes	50.31	81	53.22	182	52.29	263
No	36.65	59	39.18	134	38.37	193
I don't know	13.04	21	7.6	26	9.34	47
Total		161		342		503

32. Do you consider yourself to be overweight?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Yes	61.64	98	55.39	185	57.4	283
No	38.36	61	44.61	149	42.6	210
Total		159		334		493

33. It is easy to purchase healthy foods in my community, such as whole grain foods, low-fat options, and fruits and vegetables.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Agree	44.65	71	45.99	155	45.56	226
Neutral	30.19	48	38.58	130	35.89	178
Disagree	25.16	40	15.43	52	18.55	92
Total		159		337		496

34. Which factors prevent you from healthy eating? Select all that apply.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Cost	48.1	76	46.47	158	46.99	234
Prefer to eat out	12.66	20	10	34	10.84	54
Large portions	9.49	15	7.94	27	8.43	42
Limited access to grocery	23.42	37	12.65	43	16.06	80
Time to prepare	47.47	75	20.88	71	29.32	146
Choose unhealthy	15.19	24	13.53	46	14.06	70
Don't know how to cook	3.8	6	2.35	8	2.81	14
None, Healthy eater	27.85	44	27.35	93	27.51	137
Total		158		340		498

35. How many days do you exercise for 30 minutes or more in a typical week?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
1-2	30.77	48	29.43	98	29.86	146
3-4	20.51	32	17.12	57	18.2	89
5-7	11.54	18	16.82	56	15.13	74
Rarely	37.18	58	36.64	122	36.81	180
Total		156		333		489

36. What types of exercise do you do on a regular basis? Select all that apply.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Bicycling	7.89	12	6.74	23	7.1	35
Fitness Classes	11.18	17	9.68	33	10.14	50
Golf	1.97	3	2.35	8	2.23	11
Jogging/Running	9.21	14	10.85	37	10.34	51
Kayaking/Canoeing	2.63	4	1.47	5	1.83	9
Martial Arts	0.66	1	0.59	2	0.61	3
Swimming	7.24	1	4.69	16	6.06	17
Sports (basketball, softball, soccer, etc.)	0.66	1	5.57	19	5.48	20
Walking/hiking	69.74	106	62.76	214	64.91	320
Weight lifting	13.82	21	7.04	24	9.13	45
I do not exercise	23.68	36	26.39	90	25.56	126
Total		152		341		493

37. What are the reasons you do not exercise? Select all that apply.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
My job is physical labor	11.18	17	11.61	36	11.47	53
No child care	6.58	10	3.87	12	4.76	22
Costs too much	6.58	10	8.39	26	7.79	36
I am too tired	31.58	18	17.1	53	21.86	71
I don't have access to a facility with things I need	16.45	25	10	31	12.12	56
No time to exercise	40.13	61	20	62	26.62	123
I don't like to exercise	21.05	32	13.87	43	16.23	75
No safe place	6.58	10	4.84	15	5.41	25
I am physically disabled	3.95	6	11.94	37	9.31	43
None--I exercise regularly	25.66	39	33.87	105	31.17	144
Total		152		310		462

38. In the past year, which current recreation facilities in Caswell County have you and your family used? Select all that apply.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Athletic fields	18.65	29	14.54	49	15.92	78
Gymnasium	7.19	11	7.72	26	7.55	37
Playground	15.03	23	18.1	61	17.14	84
Sidewalks	17.65	27	14.84	50	15.71	77
Tennis Courts	3.27	5	2.08	7	2.45	12
Walking trail/track	28.76	44	21.66	73	23.88	117
Waterways (ex. Hyco Lake, Farmer Lake, Dan River, etc.)	20.92	32	14.54	49	16.53	81
None	46.41	71	48.37	163	47.76	234
Total		153		337		490

39. How do you get news regarding Caswell County services? Select up to 3.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Newspaper	48.08	75	52.77	181	51.3	256
Email	11.54	18	6.41	22	8.02	40
Internet	29.49	46	18.08	62	21.64	108
Flyers	16.03	25	11.66	40	13.03	65
TV	12.18	19	28.86	99	23.65	118
Radio	5.77	9	16.33	56	13.03	65
Social media	42.95	67	19.24	66	26.65	133
Word of mouth	5.28	80	48.98	168	49.7	248
Other	2.56	4	5.25	18	4.41	22
Total		156		343		499

Other Responses (22):

13 votes for some version of I don't get news

2 votes for "people"

2 votes for work

1 vote for news

1 vote mail

1 vote for Senior Center & church

1 vote for I don't pay attention because I don't expect services from Caswell County

40. Where do you get your health-related information? Select up to 3.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Friends and family	42.31	66	41.98	144	42.08	210
Pharmacist	17.95	28	24.2	83	22.24	111
Internet	58.97	92	38.19	13	44.69	105
Help lines	0.64	1	0.58	2	0.6	3
Library	2.56	4	2.92	10	2.81	14
Doctor or nurse	70.51	110	71.43	245	71.14	355
Church	3.21	5	9.62	33	7.62	38
My child's school	1.92	3	4.37	15	3.61	18
Books, magazines, newspaper	23.08	36	17.2	59	19.04	95
Other	5.77	9	3.21	11	4.01	20
Total		156		343		499

Other responses (20):

2 votes for none or N/A

2 votes for TV

2 votes Senior Center

2 votes for I am a nurse/health professional

2 votes for nurse or health coach

2 votes Caswell Family Medical Center

1 vote advertising

1 vote help lines lead to a little help

1 vote peer reviewed & medical studies  
 1 vote mail  
 1 vote research myself  
 1 vote internet is a joke  
 1 vote groups/organizations  
 1 vote job

41. What would be your main way of getting information from authorities in a large-scale disaster or emergency? Select only ONE.

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
TV	21.79	34	42.64	110	34.78	144
Internet	16.03	25	10.47	27	12.56	52
Word of mouth	3.85	6	6.59	17	5.56	23
Radio	6.41	10	10.08	26	8.7	36
Social media	19.23	30	5.81	15	10.87	45
Text	30.77	48	23.64	61	26.33	109
other	1.92	3	0.78	2	1.21	5
Total		156		258		414

Other votes (5):

1 vote Fire Department & NCDOT  
 1 vote Duke Disaster Plan  
 1 vote newspaper  
 1 vote smartphone (i.e. phone/internet/text)  
 1 vote "this is not available in Caswell County"

42. What is your primary phone?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Cell/mobile	68.18	105	60.86	185	63.32	290
land line	31.82	49	37.5	114	1.09	163
I do not have a phone	0	0	1.64	5	35.59	5
Total		154		304		458

43. What is your age?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
15-19	0.66	1	3.23	11	2.44	12
20-34	25.17	38	18.77	64	20.73	102
35-54	39.07	59	31.38	107	33.74	166
55-64	19.21	29	14.96	51	16.26	80
65-74	13.91	21	21.41	73	19.11	94
75 or older	1.99	3	10.26	35	7.72	38
Total		151		341		492

44. What is your gender?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Male	22	33	25.68	85	24.53	118
Female	78	117	74.32	246	75.47	363
Total		150		340		490

45. How do you classify your race?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
American Indian	0.66	1	2.06	7	1.63	8
Asian	0	0	0	0	0	0
Black	17.76	27	35.59	121	30.08	148
White	80.26	122	59.12	201	65.65	323
2 or more	0.66	1	2.94	10	2.24	11
Other	1.32	2	1.47	5	1.42	7
Total		152		309		461

“Other” responses (7):

3 votes Hispanic

2 votes Caucasian

1 vote None

1 vote N/A

46. How do you classify your ethnicity?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Hispanic	1.97	3	3.24	10	2.82	13
Non-Hispanic	98.03	149	96.76	299	97.18	448
Total		152		309		461

47. What is your highest level of education?

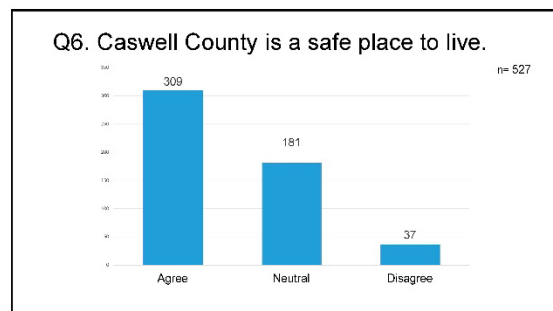
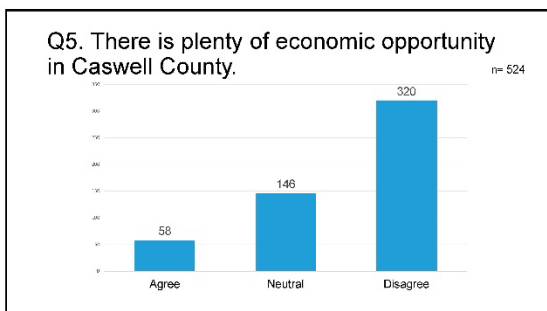
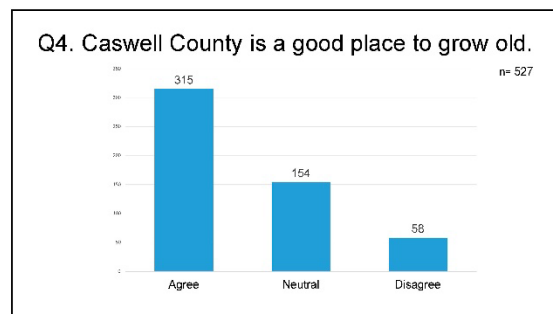
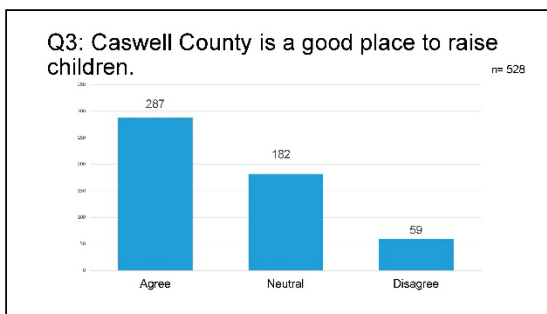
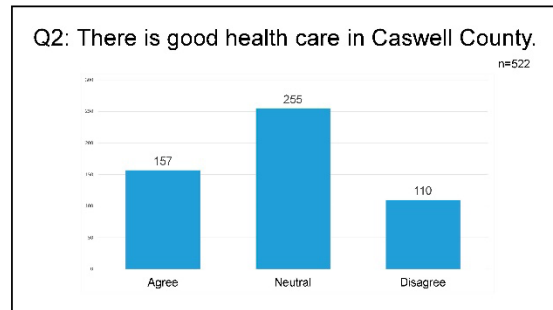
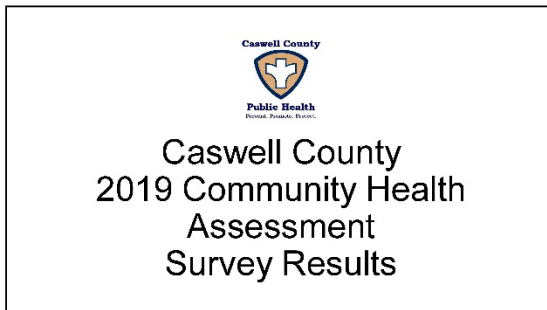
Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Less than high school	0.66	1	10.78	36	7.61	37
High school diploma or GED	5.26	8	26.95	90	20.16	98
Some college	23.37	34	19.16	64	20.16	98
Associate's degree or vocational training	23.68	36	22.46	75	22.84	111
Bachelor's degree	25	38	11.08	37	15.43	75
Graduate degree (master's, doctoral, professional)	23.03	35	9.58	32	13.79	67
Total		152		334		486

48. What was your household income last year?

Answer choice	Online		Paper		All	
	%	#	%	#	%	#
Less than \$10,000	1.38	2	18.07	58	12.88	60
\$10,000-14,999	4.83	7	14.33	46	11.37	53
\$15,000-24,999	11.03	16	13.71	44	12.88	60
\$25,000-34,999	11.03	16	11.53	37	11.37	53
\$35,000-49,999	18.62	27	14.53	46	15.67	73
\$50,000-74,999	21.38	31	13.08	42	15.67	73
\$75,000-99,999	10.34	15	8.41	27	9.01	42
\$100,000 and up	21.38	31	6.54	21	11.16	52
Total		145		321		466

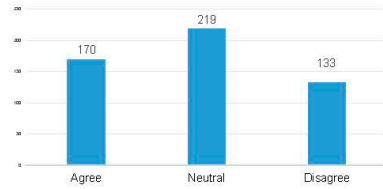


# Appendix D CHA Listening Session Survey Presentation Slides



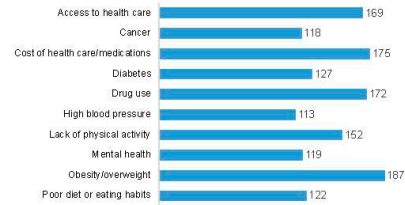
**Q7. There is plenty of help for people during times of need in Caswell County.**

n= 522



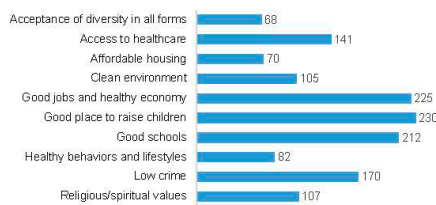
**Q8. Please select the FIVE most important health issues facing Caswell County.**

n= 525



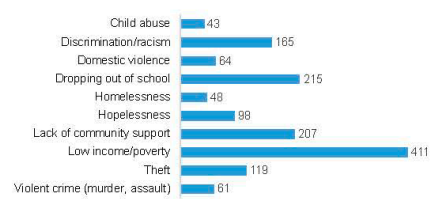
**Q9. Select the THREE most important factors for a good quality of life.**

n= 520



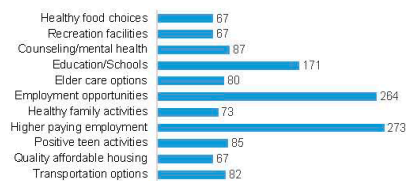
**Q10. Which three issues do you think lower the quality of life in Caswell County?**

n= 518



**Q11. Which of these services needs the most improvement in your community?**

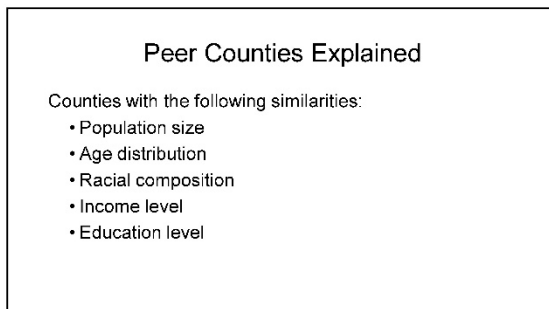
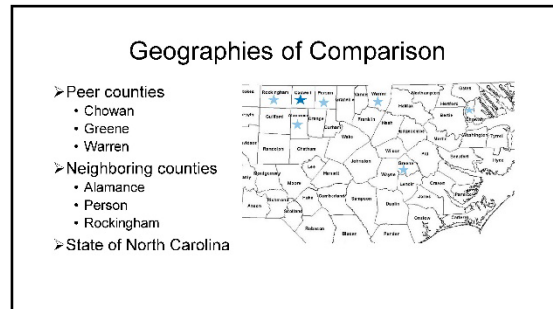
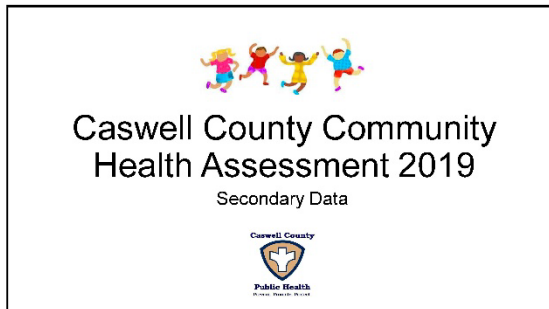
n= 515



**Questions for the Group**

- Which data points struck you as interesting?
- What questions do you have?
- What issues in equity do you see?
- Do you know of subpopulations that exist in the county that may not be represented?
  - If so, how might we reach those groups or individuals?

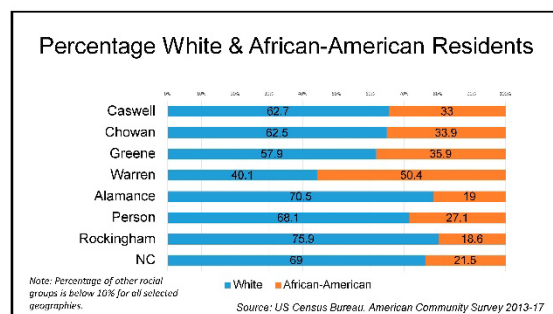
# Appendix E: CHA Listening Session Secondary Data Presentation Slides



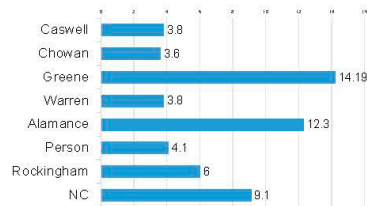
### Population Size

Geography	Number of residents
Caswell	22,833
Chowan	14,370
Greene	21,059
Warren	20,190
Alamance	157,844
Person	39,240
Rockingham	91,566
North Carolina	10,052,564

Source: US Census Bureau, American Community Survey 2013-17

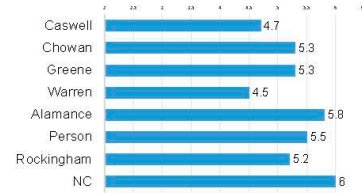


### Percentage of Hispanic Residents



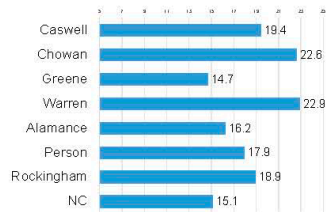
Source: US Census Bureau, American Community Survey 2013-17

### Percentage of Residents Under 5 Years



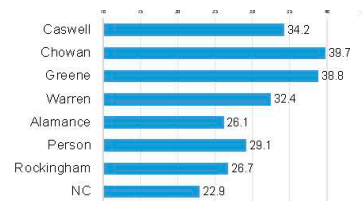
Source: US Census Bureau, American Community Survey 2013-17

### Percentage of Residents over 65 Years



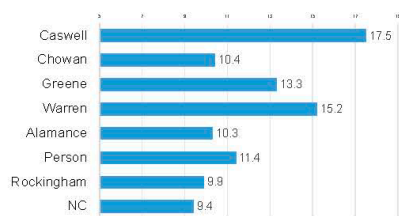
Source: US Census Bureau, American Community Survey 2013-17

### Percentage of Residents Below Federal Poverty Level under 18 years of age



Source: US Census Bureau, American Community Survey 2013-17

### Percentage of Residents below FPL 65+ years old



Source: US Census Bureau, American Community Survey 2013-17

### Questions for the Group

- Which data points struck you as interesting?
- What questions do you have?
- What issues in equity do you see?

## Health Statistics

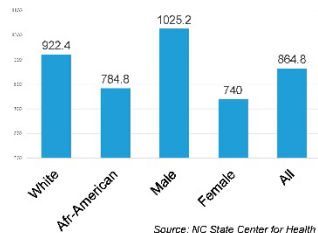


## Caswell County Top 10 Causes of Death

1. Cancer
2. Heart Disease
3. COPD/Emphysema
4. Stroke
5. Diabetes
6. Alzheimer's (tied for #6)
6. Unintentional Injury (tied for #6)
8. Pneumonia/influenza
9. Kidney Disease (tied for #9)
9. Motor Vehicle Accident Injury (tied for #9)

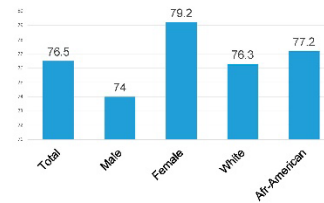
Source: NC State Center for Health Statistics, year 2013-17

## Caswell Age-Adjusted Death Rates per 100,000 by group



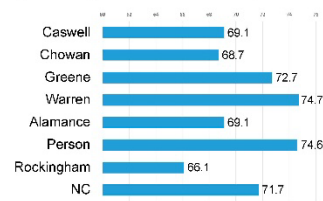
Source: NC State Center for Health Statistics, year 2013-17

## Caswell County Average Life Expectancy



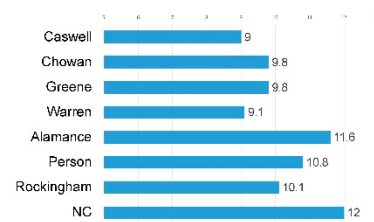
Source: NC State Center for Health Statistics, year 2013-17

## Pregnancy Rates 15-44 per 1,000



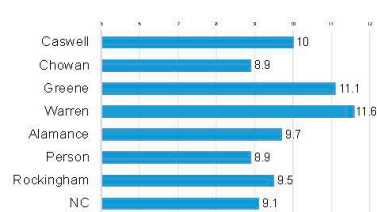
Source: NC State Center for Health Statistics, year 2013-17

## Live Birth Rates per 1,000



Source: NC State Center for Health Statistics, year 2013-17

## Low Birth Weight Percentages

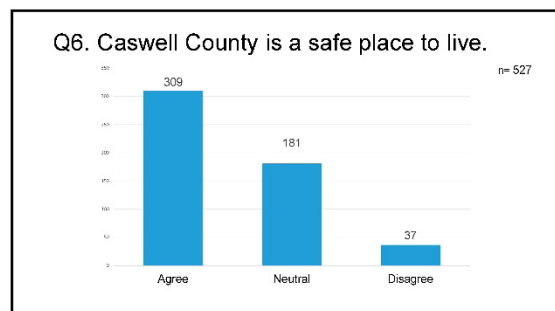
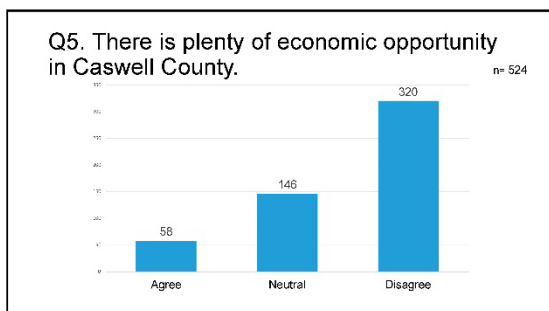
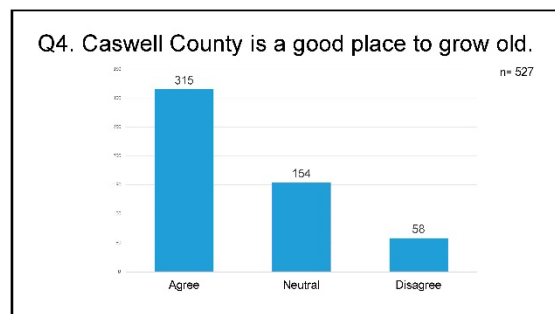
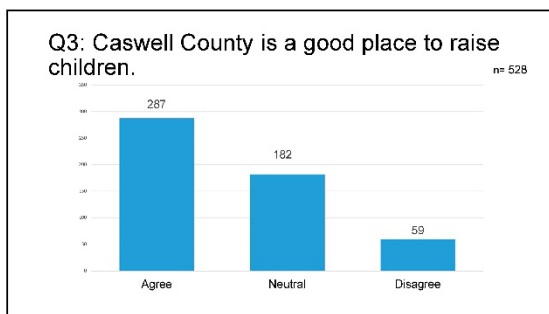
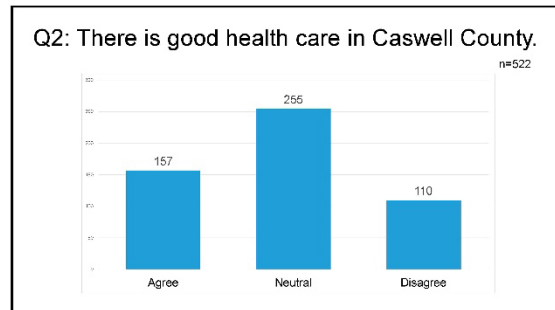
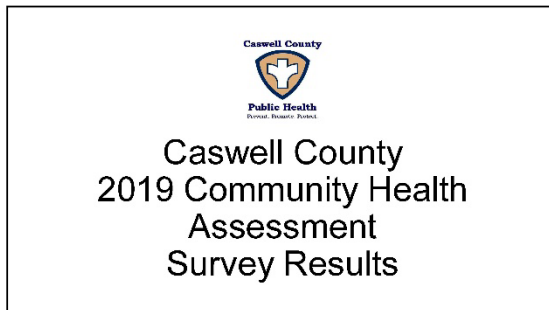


Source: NC State Center for Health Statistics, year 2013-17

## Questions for the Group

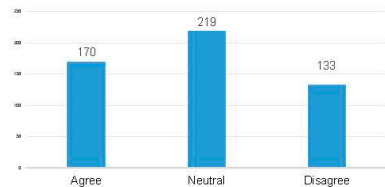
- Which data points struck you as interesting?
- What questions do you have?
- What issues in equity do you see?
- Do you know of any subpopulations who might not be represented?
  - How can we reach these populations?

# Appendix F: CHA Listening Session Survey Presentation Handout



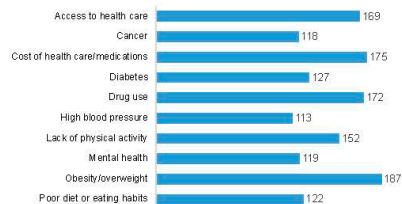
**Q7. There is plenty of help for people during times of need in Caswell County.**

n= 522



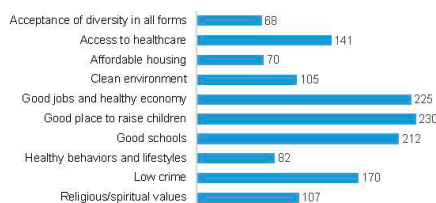
**Q8. Please select the FIVE most important health issues facing Caswell County.**

n= 525



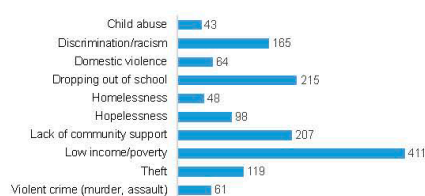
**Q9. Select the THREE most important factors for a good quality of life.**

n= 520



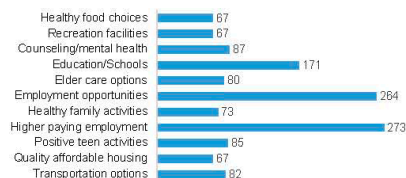
**Q10. Which three issues do you think lower the quality of life in Caswell County?**

n= 518



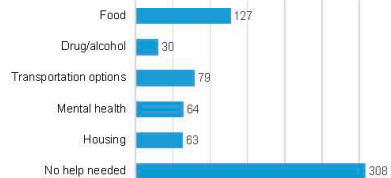
**Q11. Which of these services needs the most improvement in your community?**

n= 515

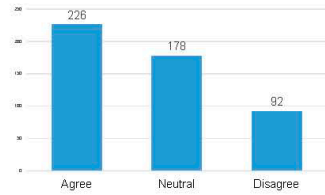


**Q12. In the last 12 months, have you or a loved one needed help with any of the following?**

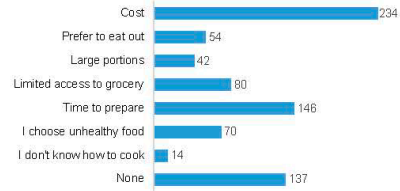
n= 504



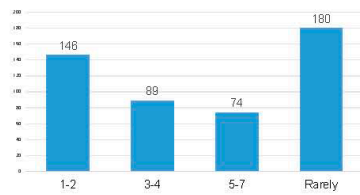
**Q33. It is easy to purchase healthy foods in my community, such as whole grain foods, low-fat options, and fruits and vegetables.** n=486



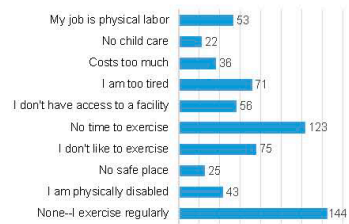
**Q34. Which factors prevent you from healthy eating?** n=488



**Q35. How many days do you exercise for 30 minutes or more in a typical week?** n=489



**Q37. What are the reasons you do not exercise?** n=482



### Questions for the Group

- Which data points struck you as interesting?
- What questions do you have?
- What issues in equity do you see?
- Do you know of subpopulations that exist in the county that may not be represented?
  - If so, how might we reach those groups or individuals?

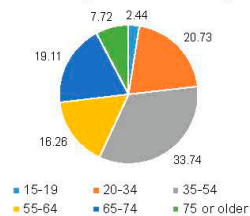


## Caswell County 2019 CHA Survey Response Demographics

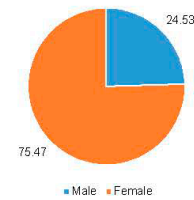
Location of Residence (543 Responses)

Town/City	Percentage	Number
Blanch (27212)	10.53%	57
Burlington (27217)	3.68%	20
Cedar Grove (27231)	0.18%	1
Elon (27244)	3.68%	20
Gilsumville (27248)	1.86%	9
Hurdle Mills (27541)	0.00%	0
Leesburg (27291)	5.34%	29
Melrose (27302)	4.06%	22
Milton (27305)	5.71%	31
Pelham (27311)	7.73%	42
Prospect Hill (27334)	3.31%	18
Providence (27319)	9.39%	51
Roadville (27320)	5.34%	29
Ruffin (27326)	4.42%	24
Somera (27343)	1.84%	10
Yanceyville (27379)	25.15%	142
I work or have worked in Caswell County, but do not live here	6.45%	35
I do not live or work in Caswell County	0.55%	3

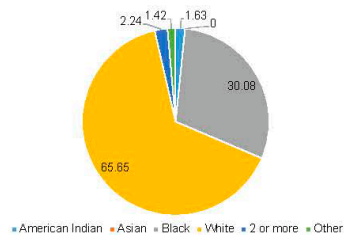
Respondent Age Percentages (n=492)



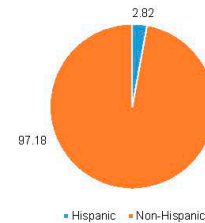
Respondent Gender Percentages (n=490)



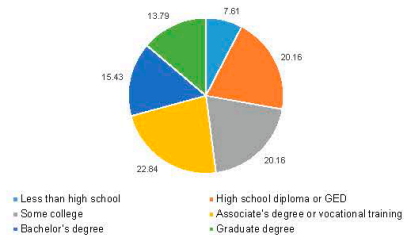
Respondent Race Percentages (n=461)



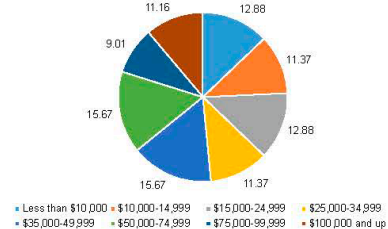
Respondent Ethnicity Percentages (n=461)



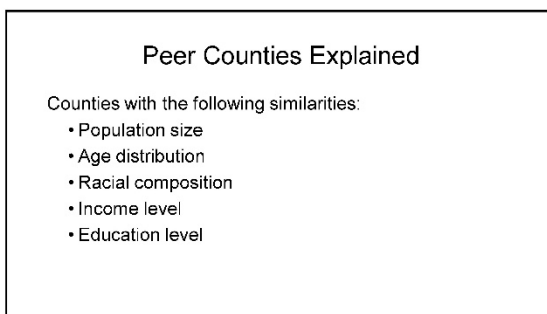
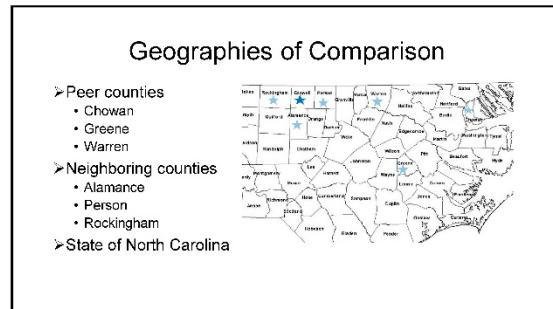
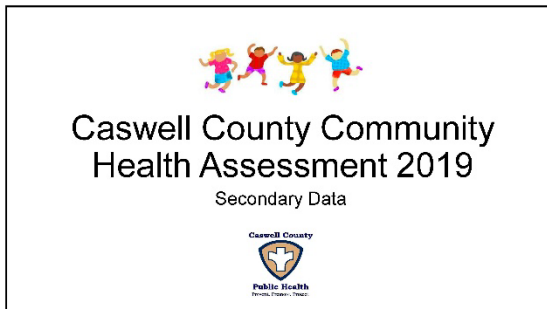
Respondent Educational Level (n=486)



Respondent Income (n=466)



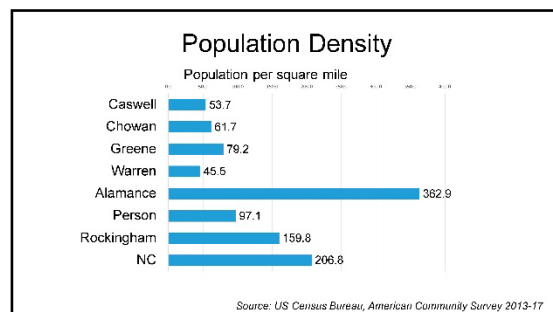
# Appendix G: CHA Listening Session Secondary Data Handouts



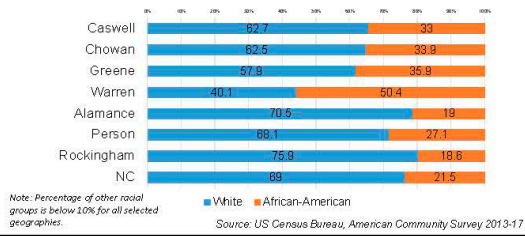
**Population Size**

Geography	Number of residents
Caswell	22,833
Chowan	14,370
Greene	21,059
Warren	20,190
Alamance	157,844
Person	39,240
Rockingham	91,566
North Carolina	10,052,564

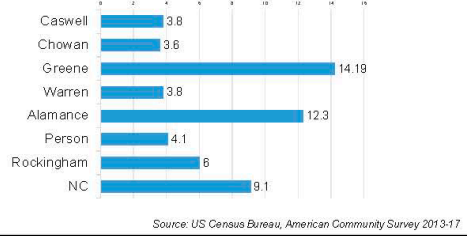
Source: US Census Bureau, American Community Survey 2013-17



### Percentage White & African-American Residents



### Percentage of Hispanic Residents

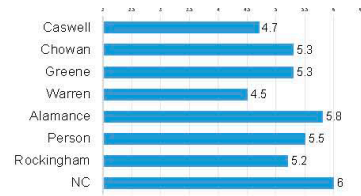


### Median Age of Residents

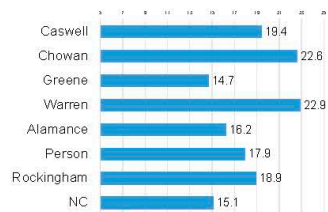
Geography	Median Age
Caswell	45.4
Chowan	44.7
Greene	40.4
Warren	47.2
Alamance	39.7
Person	43
Rockingham	44.4
North Carolina	38.4

Source: US Census Bureau, American Community Survey 2013-17

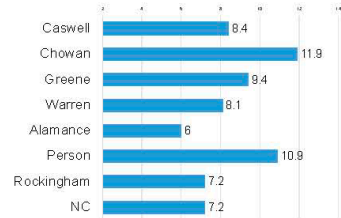
### Percentage of Residents Under 5 Years



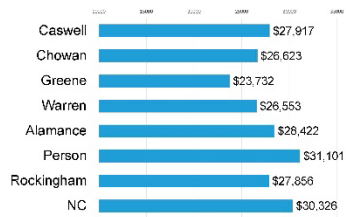
### Percentage of Residents over 65 Years



### Resident Unemployment Rates

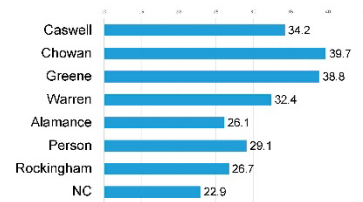


### Median Earnings for Workers



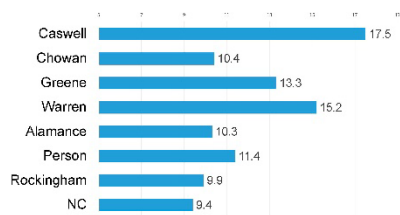
Source: US Census Bureau, American Community Survey 2013-17

### Percentage of Residents Below Federal Poverty Level under 18 years of age



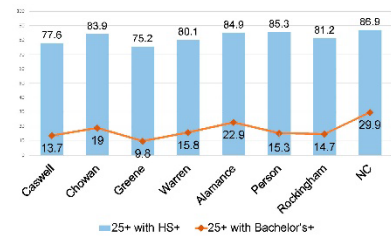
Source: US Census Bureau, American Community Survey 2013-17

### Percentage of Residents below FPL 65+ years old



Source: US Census Bureau, American Community Survey 2013-17

### Residents' Educational Attainment



Source: US Census Bureau, American Community Survey 2013-17

### Health Statistics

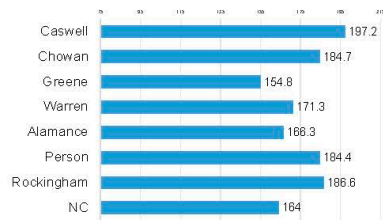


### Caswell County Top 10 Causes of Death

1. Cancer
2. Heart Disease
3. COPD/Emphysema
4. Stroke
5. Diabetes
6. Alzheimer's (tied for #6)
6. Unintentional Injury (tied for #6)
8. Pneumonia/Influenza
9. Kidney Disease (tied for #9)
9. Motor Vehicle Accident Injury (tied for #9)

Source: NC State Center for Health Statistics, year 2013-17

### Age-Adjusted Cancer Death Rates per 100,000



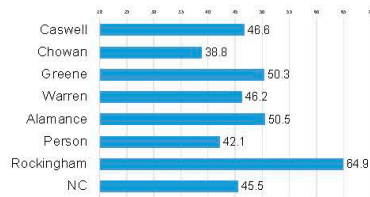
Source: NC State Center for Health Statistics, year 2013-17

### Age-Adjusted Heart Disease Death Rates per 100,000



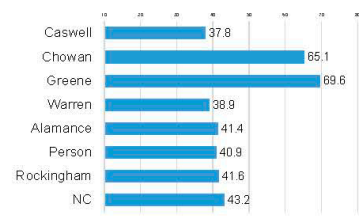
Source: NC State Center for Health Statistics, year 2013-17

### Age-Adjusted COPD/Emphysema Death Rates per 100,000



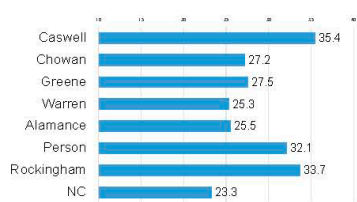
Source: NC State Center for Health Statistics, year 2013-17

### Age-Adjusted Stroke Death Rates per 100,000



Source: NC State Center for Health Statistics, year 2013-17

### Diabetes Death Rates per 100,000



Source: NC State Center for Health Statistics, year 2013-17

### Age-Adjusted Death Rates All Causes per 100,000



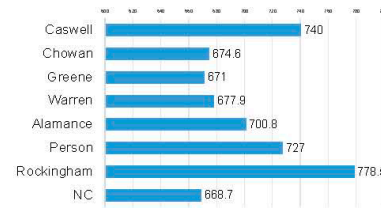
Source: NC State Center for Health Statistics, year 2013-17

### Age-Adjusted Male Death Rates per 100,000



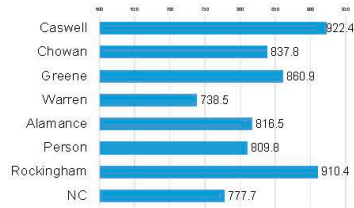
Source: NC State Center for Health Statistics, year 2013-17

### Age-Adjusted Female Death Rates per 100,000



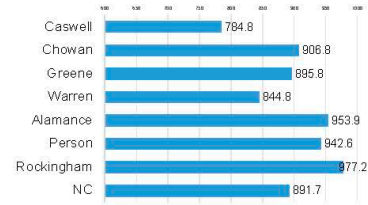
Source: NC State Center for Health Statistics, year 2013-17

### Age-Adjusted White Death Rates per 100,000



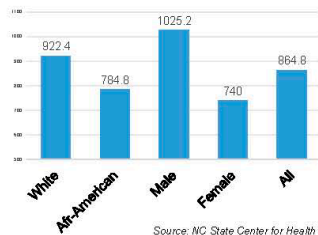
Source: NC State Center for Health Statistics, year 2013-17

### Age-Adjusted African-American Death Rates per 100,000



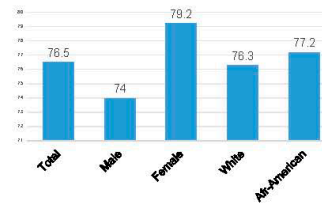
Source: NC State Center for Health Statistics, year 2013-17

### Caswell Age-Adjusted Death Rates per 100,000 by group



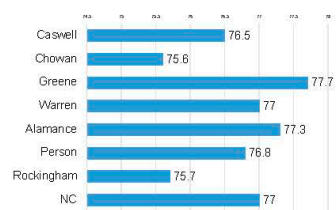
Source: NC State Center for Health Statistics, year 2013-17

### Caswell County Average Life Expectancy



Source: NC State Center for Health Statistics, year 2015-17

### Life Expectancy All Residents



Source: NC State Center for Health Statistics, year 2015-17

### Life Expectancy White Residents



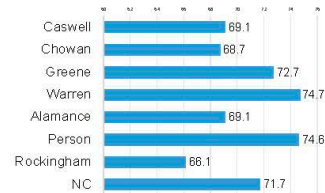
Source: NC State Center for Health Statistics, year 2015-17

### Life Expectancy African-American Residents



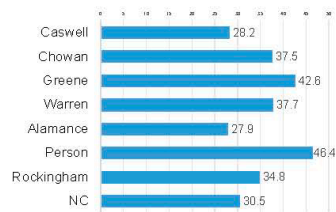
Source: NC State Center for Health Statistics, year 2015-17

### Pregnancy Rates 15-44 per 1,000



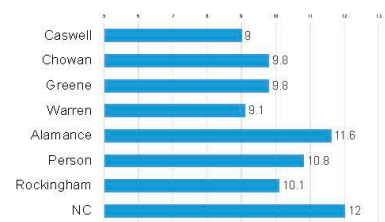
Source: NC State Center for Health Statistics, year 2013-17

### Pregnancy Rates 15-19 per 1,000



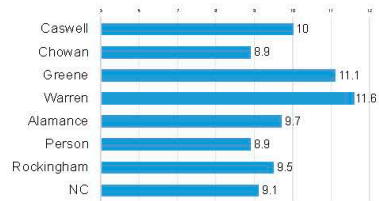
Source: NC State Center for Health Statistics, year 2013-17

### Live Birth Rates per 1,000



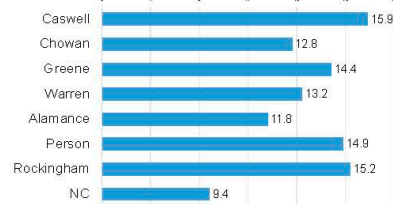
Source: NC State Center for Health Statistics, year 2013-17

### Low Birth Weight Percentages



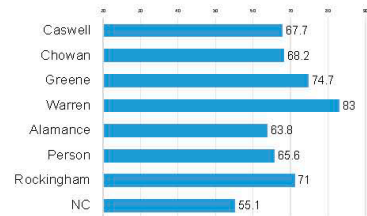
Source: NC State Center for Health Statistics, year 2013-17

### Percentage of Births to Mothers who Smoke



Source: NC State Center for Health Statistics, year 2013-17

### Percentage of Births to Mothers on Medicaid



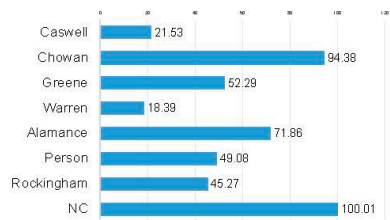
Source: NC State Center for Health Statistics, year 2012-16

### Physicians per 10,000 residents



Source: UNC Sheps Center 2016

### Registered Nurses per 10,000 Residents



Source: UNC Sheps Center 2016

### Total Number of Hospital Discharges



Source: US DHHS, AHRQ, Healthcare Cost & Utilization Project, 2013-15



## Appendix H: CHA Priorities Voting Card

### Caswell County Community Health Priority Voting 2019

Please select the **THREE** issues most important to you and your family. The items are listed in no particular order. **THANK YOU!!**

Affordable fresh fruits and vegetables	More access to physical activity and recreation facilities	Access to affordable health care options	Local access to specialty health care
Improved local job opportunities	Affordable transportation options	Improved race relations	A community center for all residents
Improved communication between local organizations/government and residents	Improved community relationships with law enforcement	Improved trust and collaboration within local communities and agencies	Improved local school experiences for students regardless of their backgrounds and abilities
Structured positive activities for children and teens	Affordable quality child care		

# Appendix I: CHA Priorities Survey Responses and Paper Survey Locations

## 2019 CHA Priority Voting Survey Results

Priority	Online		Paper		All	
	#	%	#	%	#	%
Affordable fresh fruits and vegetables.	19	16.38	57	27.94	76	23.75
More Access to physical activity and recreation facilities	29	25.00	42	20.59	71	22.19
Access to affordable health care options	37	31.9	48	23.53	85	26.56
Local access to specialty health care	16	13.79	29	14.22	45	14.06
Improved local job opportunities	70	60.34	70	34.31	140	43.75
Affordable transportation options	23	19.83	37	18.14	60	18.75
Improved race relations	19	16.38	72	35.29	91	28.44
A community center for all residents	11	9.48	36	17.65	47	14.69
Improved communication between local organizations/government and residents	17	14.66	21	10.29	38	11.88
Improved community relationships with law enforcement	3	2.59	25	12.25	28	8.75
Improved trust and collaboration within local communities and agencies	14	12.07	17	8.33	31	9.69
Structured positive activities for children and teens	28	24.14	72	35.29	100	31.25
Affordable quality child care	13	11.21	29	14.22	42	13.13
Improved local school experiences for students regardless of their backgrounds and abilities	47	40.52	52	25.49	99	30.94
Total	116		204		320	

## Paper Voting Locations

Brightleaf Hoedown  
 Free Community Lunch—Soups on Wednesdays  
 Food Pantry at Shady Grove United Methodist Church  
 Hamer Baptist Church  
 Fall Fest at Jones Crossroads Missionary Baptist Church  
 Smith Chapel Baptist Church

## Appendix J: Caswell County Community Resource Guide

### CASWELL COUNTY RESOURCE GUIDE

Categories	Name	Phone	Address	City	State	Zip Code
Aging or Disabled	Piedmont SeniorCare	(336) 532-0000	1214 Vaughn Road	Burlington	NC	27217
Aging or Disabled	Caswell House	(336) 694-1555	535 U.S. 158	Yanceyville	NC	27379
Aging or Disabled	Carolina Enhancement Services	(336) 694-1557	339 Wall Street	Yanceyville	NC	27379
Aging or Disabled	Brian Center Health & Rehabilitation	(336) 694-5916	1086 Main Street	Yanceyville	NC	27379
Aging or Disabled Behavioral/Mental Health & Substance Abuse	Hospice & Palliative Care Services of Alamance-Caswell	(336) 532-0100	914 Chapel Hill Road	Burlington	NC	27215
Aging or Disabled Children & Youth	Special Olympics	(336) 570-6760				
Aging or Disabled Children & Youth Crisis/Emergency Assistance Food Assistance Housing, Shelter, Utility & Rent Assistance Transportation	Caswell County Department of Social Services (DSS)	(336) 694-1557	175 East Church Street	Yanceyville	NC	27379
Aging or Disabled Medical/Health/Wellness	Caswell County Health Department & Home Health	(336) 694-4129	189 County Park Road	Yanceyville	NC	27379
Aging or Disabled Recreation & Leisure Transportation	Caswell County Senior Services	(336) 694-7447	649 Firetower Rd	Yanceyville	NC	27379
Behavioral/Mental Health & Substance Abuse	Pinnacle Family Services @ CFMC	(919) 790-8580	439 U.S. 158	Yanceyville	NC	27379
Behavioral/Mental Health & Substance Abuse	Community Care Service, LLC	(336) 694-4005	339 Wall Street	Yanceyville	NC	27379
Behavioral/Mental Health & Substance Abuse	Easter Seals	(336) 694-1487	1076 North Carolina 86	Yanceyville	NC	27379
Behavioral/Mental Health & Substance Abuse	Derek Fowler, LPC, CSAC	(336) 552-5672				
Behavioral/Mental Health & Substance Abuse	Alcohol & Drug Services of Guilford, Inc.	(336) 601-8922	259 South Graham Hopedale Road	Burlington	NC	27217
Behavioral/Mental Health & Substance Abuse	Cardinal Innovations	(800) 939-5911				

Categories	Name	Phone	Address	City	State	Zip Code
Behavioral/Mental Health & Substance Abuse	CrossRoads Sexual Assault Response	(336) 694-4250	1064 NC Hwy 86 N	Yanceyville	NC	27379
Crisis/Emergency Assistance						
Behavioral/Mental Health & Substance Abuse	RHA Behavioral Health @ CFMC	(336) 694-1777	439 U.S. 158 West	Yanceyville	NC	27379
Medical/Health/Wellness						
Behavioral/Mental Health & Substance Abuse	Caswell Family Medical Center (CFMC)	(336) 694-9331	439 U.S. 158	Yanceyville	NC	27379
Medical/Health/Wellness						
Behavioral/Mental Health & Substance Abuse	Youth Haven Services	(336) 349-2233	229 Turner Drive	Reidsville	NC	27320
Behavioral/Mental Health & Substance Abuse						
Children & Youth	N.L. Dillard Middle School	(336) 694-4941				
Children & Youth	Child Care Services Association	(855) 327-5933				
Children & Youth	Girl Scouts of America	(336) 274-8491				
Children & Youth	Boy Scouts of America	(336) 378-9166				
Children & Youth	Rainbow Daycare Center	(336) 694-9675	573 Firetower Rd	Yanceyville	NC	27379
Children & Youth	Noah's Educational Ark	(336) 694-6264	640 Old Highway 86	Yanceyville	NC	27379
Children & Youth	Lively Pebbles Day Care	(336) 939-7825	2347 Chandler Mill Road	Pelham	NC	27311
Children & Youth	Children's Developmental Services Agency (CDSA)	(336) 334-5601	122 N Elm St Suite 400	Greensboro	NC	27401
Children & Youth	Child Care Services Association	(855) 327-5933				
Children & Youth	NCSU Cooperative Extension	(336) 694-4158				
Children & Youth	Caswell County Partnership for Children	(336) 694-1538	1084 North Carolina 86	Yanceyville	NC	27379
Children & Youth	Children's Home Society of North Carolina	(336) 274-1538	1002 Yanceyville Street	Greensboro	NC	27405
Children & Youth	Transition Pregnancy Solutions (formerly Little Life)	(434) 836-5433	2960 North Main Street	Danville	VA	24540
Crisis/Emergency Assistance						
Medical/Health/Wellness						
Children & Youth	Yanceyville Early Head Start Center	(336) 694-6942	1149 Main St	Yanceyville	NC	27379
Children & Youth	Gunn Memorial Public Library	(336) 694-6241	161 Main Street	Yanceyville	NC	27379
Children & Youth						
Employment Readiness						

Categories	Name	Phone	Address	City	State	Zip Code
Children & Youth Food Assistance Housing, Shelter, Utility & Rent Assistance	Caswell County Outreach Ministry		225 Third Ave	Yanceyville	NC	27379
Children & Youth Recreation & Leisure	Caswell County 4H	(336) 694-4158	126 Court Square	Yanceyville	NC	27379
Children & Youth Recreation & Leisure	Caswell County Parks & Recreation	(336) 694-4449	228 County Park Road	Blanch	NC	27212
Children & Youth Recreation & Leisure	Caswell County 4-H	(336) 694-4158				
Crisis/Emergency Assistance	Caswell County Family Services	(336) 694-5750	339 Wall Street	Yanceyville	NC	27379
Crisis/Emergency Assistance	American Red Cross	(336) 333-2111	1501 Yanceyville Street	Greensboro	NC	27405
Crisis/Emergency Assistance Housing, Shelter, Utility & Rent Assistance Thrift Store	Caswell Parish & Two Hearts Thrift Store	(336) 694-6428	1038 Main St	Yanceyville	NC	27379
Dental	Person Family Dental Center - Yanceyville	(336) 694-5462	1076 North Carolina 86	Yanceyville	NC	27379
Education	Piedmont Community College (PCC)	(336) 694-5707	331 Piedmont Dr	Yanceyville	NC	27379
Education	Stoney Creek Elementary School	(336) 694-6222				
Education	South Elementary School	(336) 694-1212				
Education	Oakwood Elementary School	(336) 694-4221				
Education	North Elementary School	(336) 388-2222				
Education	Bartlett Yancey High School	(336) 694-4212				
Education	Alternative Program School	(336) 694-4797				
Education	Caswell County Schools (Administration)	(336) 694-4551				
Food Assistance	Shady Grove United Methodist Church	(336) 388-2750				
Food Assistance	Locust Hill United Methodist Church	(336) 388-2489				

Categories	Name	Phone	Address	City	State	Zip Code
Medical/Health/Wellness	James Austin Health Center	(336) 864-2795	207 E Meadow Rd, Unit #6	Eden	NC	27288
Medical/Health/Wellness	Roanoke Medical Center for Women	(540) 981-1246	1119 2nd St SW	Roanoke	VA	24016
Medical/Health/Wellness	A Preferred Women's Health Center of Raleigh	(919) 854-7888	1604 Jones Franklin Rd	Raleigh	NC	27606
Medical/Health/Wellness	A Woman's Choice, Inc. - Raleigh	(919) 781-6811	3305 Drake Circle	Raleigh	NC	27607
Medical/Health/Wellness	A Hallmark Women's Clinic	(336) 725-4924	491 N Cleveland Ave	Winston-Salem	NC	27101
Medical/Health/Wellness	Planned Parenthood - Durham Health Center	(919) 286-2872	105 Newsom St Suite 101	Durham	NC	27704
Medical/Health/Wellness	North Durham Women's Health	(919) 908-6449	400 Crutchfield St	Durham	NC	27704
Medical/Health/Wellness	A Women's Choice, Inc - Greensboro	(336) 273-9485	2425 Randleman Road	Greensboro	NC	27406
Medical/Health/Wellness	Planned Parenthood - Greensboro Health Center	(336) 373-0678	1704 Battleground Ave	Greensboro	NC	27406
Medical/Health/Wellness	Poison Control	(800) 222-1222				
Medical/Health/Wellness	Premier Home Health Care	(336) 586-1721				
Medical/Health/Wellness	Person Memorial Hospital	(336) 599-2121				
Medical/Health/Wellness	Patty Vision Centers	(336) 694-9632	495 US Hwy 158 W	Yanceyville	NC	27379
Medical/Health/Wellness	UNC Rockingham Healthcare	(336) 623-9711	117 E. Kings Hwy	Eden	NC	27288
Medical/Health/Wellness	Fresenius Kidney Care Caswell	(336) 694-1084	1702 North Carolina 86	Yanceyville	NC	27379
Medical/Health/Wellness	Planned Parenthood - Chapel Hill Health Center	(919) 942-7762	1765 Dobbins Drive	Chapel Hill	NC	27514
Medical/Health/Wellness	UNC Hospitals Hillsborough Campus	(919) 595-5900	430 Waterstone Drive	Hillsborough	NC	27278
Medical/Health/Wellness	Sovah Primary Care	(336) 694-6969	1499 Main Street	Yanceyville	NC	27379
Medical/Health/Wellness	Sovah Health	(434) 799-2100	142 South Main Street	Danville	VA	24541
Medical/Health/Wellness	AlamanceCares	(336) 538-8111				
Medical/Health/Wellness	Durham VA Medical Center	(888) 878-6890	508 Fulton Street	Durham	NC	27705

Categories	Name	Phone	Address	City	State	Zip Code
Medical/Health/Wellness	Roslyn Crisp & Associates - Pediatric Dentistry	(336) 694-1114	3150 North Carolina 86	Yanceyville	NC	27379
Medical/Health/Wellness	UNC Cardiology @ CFMC	(336) 599-4079	439 U.S. 158	Yanceyville	NC	27379
Medical/Health/Wellness	Central Carolina Kidney @ CFMC	(336) 584-4913	439 U.S. Highway 158 East	Yanceyville	NC	27379
Medical/Health/Wellness	Cancer Resource Fund	(336) 694-9331				
Medical/Health/Wellness	Bayada Home Health Care	(336) 694-9331	2254 NC Highway 86 N	Yanceyville	NC	27379
Medical/Health/Wellness	Annie Penn Hospital	(336) 951-4000	618 South Main Street	Reidsville	NC	27320
Medical/Health/Wellness	Alamance Regional Medical Center	(336) 538-7000	1240 Huffman Mill Road	Burlington	NC	27215
Medical/Health/Wellness	Advanced Home Care	(336) 878-8822	8380 North Carolina 87	Reidsville	NC	27320
Medical/Health/Wellness	ACI Physical Therapy	(336) 694-1305	3310 North Carolina 86	Yanceyville	NC	27379
Medical/Health/Wellness Pharmacies	North Village Pharmacy	(336) 694-4104	1493 Main Street	Yanceyville	NC	27379
Medical/Health/Wellness Pharmacies	Prospect Hill Community Health Center	(336) 562-3311	322 Main Street	Prospect Hill	NC	27314
Social/Work/Service Clubs	Southern Caswell Ruritan Club	(336) 421-9524				
Social/Work/Service Clubs	Semora Ruritan Club	(336) 234-8691				
Social/Work/Service Clubs	Leasburg Ruritan Club	(336) 583-4486				
Social/Work/Service Clubs	Cherry Grove Ruritan Club	(336) 421-9700				
Social/Work/Service Clubs	Central Caswell Ruritan Club	(336) 694-4727				
Thrift Store	Goodwill	(336) 694-1200	2246 NC Hwy 86	Yanceyville	NC	27379
Transportation	Pelham Transportation Services	(336) 349-7113				
Transportation	Caswell County Transportation Services (CCATS)	(336) 694-1424				



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