

Tazewell County Community Health Assessment

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FINAL REPORT

AUGUST 31, 2021

Carilion Tazewell Community Hospital
carilionclinic.org/community-health-assessments



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Executive Summary

Carilion Clinic is committed to joining with our partners to pursue the essential work of improving and maintaining the health of Tazewell County. To ensure that current needs are being addressed, we assess the health concerns of each community every three years to uncover issues, indicate where improvement is needed, and track and promote progress. Carilion Tazewell Community Hospital's (CTCH) 2021 Tazewell County Community Health Assessment (TCCHA) is complete with the adoption and dissemination of this report. The Community Health Assessment (CHA) process and the public availability of its findings enables our community to effectively maintain and improve health¹.

Current Environment

Since the 2018 TCCHA, significant changes have impacted the health of the community. There is no doubt that the COVID-19 pandemic has greatly disrupted all aspects of life. In Virginia, a state of emergency was declared on March 13, 2020, leading to temporary business closures, halting of routine health care services, and closures of schools—among a host of other challenges. Cases peaked in January of 2021, which also marked the end of the Community Health Survey period.

The COVID-19 pandemic has led to an increase in substance use and mental health issues, with the Virginia Department of Health (VDH) reporting a 22% increase in emergency department visits for unintentional drug overdoses from 2019 to 2020 for Southwest Virginia, including Tazewell County. Social isolation increased due to stay at home orders. Health care access was temporarily halted for a wide range of preventative and health maintenance needs and, together with required protocols to prevent exposures in health care settings, has created more demand and lower patient throughput. Unemployment rates skyrocketed, reaching 12.8% in April of 2020—and the economic impact is still being felt². Finally, the additional mortality from COVID-19 led to a projected decrease in nationwide life expectancy of greater than one year, with a larger impact on Black and Latino populations³.

Virginia's Medicaid program also expanded since the 2018 TCCHA, leading to an increase in Medicaid enrollees across the Commonwealth and 4,031 new enrollees in Tazewell County. Medicaid coverage will also include adult dental care beginning July 1, 2021. This expansion is a step in the right direction to ensure health care access for the entire community, but challenges will continue to arise on how to best meet health care needs.

Awareness of health disparities, inequities and racial injustices continues to grow throughout the community and the United States. Health status, access and outcomes can be widely impacted by individual experiences. We are committed to improving equity in care—both within and outside of the hospital walls.

¹ Carilion Clinic began conducting Community Health Assessments prior to the IRS adoption of the 501(r)(3) which requires not-for-profit hospitals to conduct a Community Health Needs Assessment (CHNA) every three years. While meeting the CHNA requirement, Carilion maintains the longstanding formal name, Community Health Assessment, for our process and reports.

² US Department of Labor, Bureau of Labor Statistics. Accessed via [BLS Data Finder](#).

³ <https://www.pnas.org/content/pnas/118/5/e2014746118.full.pdf>

Key Findings

Carilion and the Cumberland Plateau Health District (CPHD) collaborated to conduct the 2021 TCCHA. The findings revealed 10 priority health-related issues in the community, identified by the Community Health Assessment Team (CHAT) after review of the data collected. Like-issues were grouped into categories to promote upstream and out-of-the-box thinking to address the top needs.

| Top Needs | |
|------------------------------|--|
| Mental Health | Mental health problems (general) |
| | Alcohol and drug use |
| Socioeconomic Factors | High uninsured/underinsured population |
| | Poverty/low average household income |
| | Transportation/transit system |
| Culture | Culture: healthy behaviors not a priority |
| | Communication barriers with providers |
| Health Behaviors | High prevalence of chronic disease (general) |
| | Overweight/obesity |
| | Poor diet/poor eating habits |

Mental Health

Mental health continues to be a top health issue in Tazewell County according to the community, stakeholders and as seen through additional data points.

- The Community Health Survey results indicate alcohol and drug use and prescription drug abuse are two of the top three issues impacting the health of the community. Mental health problems also fall in the top ten and mental health/counseling services are seen as the most difficult health services to access⁴.
- CHAT stakeholders also indicated substance misuse and lack of related support resources as a top health issue in the community⁵.
- Emergency department visit rates due to drug overdose increased 22% in the Southwest Virginia Health Planning Region—which includes CTCH—from 2019 to 2020⁶.
- The average number of poor mental health days are higher in Tazewell County (5.1 days per month) compared to the Virginia average of 4.1 days per month.⁷

⁴ 2021 Tazewell County Community Health Survey

⁵ 2021 Stakeholder Survey

⁶ Virginia Department of Health, Emergency Department Visits for Unintentional Drug Overdose among Virginia Residents, accessed via https://www.vdh.virginia.gov/content/uploads/sites/13/2021/01/Emergency-Department-Visits-for-Unintentional-Drug-Overdose-2020-COVID-19-report_Final.pdf.

⁷ Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via [County Health Rankings](#). 2018. Accessed via SparkMap.

Socioeconomic Factors

Socioeconomic factors and their contribution to poor health status and outcomes continue to be of concern for Tazewell County.

- According to stakeholders, poverty is a top issue impacting the health of the community⁸.
- The median household income is far less than that of Virginia's \$74,222, with Tazewell residents at \$42,099. Over 17% of Tazewell households are below the poverty level⁹.

In addition to the needs presented above, broadband internet access was a topic of discussion in the final CHAT meeting. CHAT members agreed that to improve access to all resources mentioned—including health care, social services and education—affordable and reliable internet is a basic need.

Culture

Culture can have a strong impact on an individual's willingness to adopt healthy behaviors and make lifestyle changes that can go a long way in improving health. Cultural aspects were chosen by stakeholders as top priorities.

- The top barriers to health according to stakeholders include behaviors, knowledge and education¹⁰.

Health Behaviors

Many aspects related to health behaviors and healthy lifestyles are top needs for Tazewell County.

- Overweight/obesity—a health issue largely driven by behaviors—is the number five top issue impacting the health in the community according to the Community Health Survey. Poor eating habits and lack of exercise were also identified through the survey as top issues, with poor diet and eating habits as a top priority need determined through this process¹¹.
- Tazewell County has higher rates of chronic diseases than Virginia, including asthma (9.9%), chronic lower respiratory disease (10.7%), heart disease (9.9%), stroke (4.4%) and high blood pressure (38%)¹². Rates of diabetes (12.8%) and obesity (36.2%) are also higher in Tazewell County¹³.

This report contains the findings of the 2021 TCCHA, including primary and secondary health and social determinant data on the service area and specific populations.

⁸ 2021 Stakeholder Survey

⁹ US Census Bureau, [American Community Survey](#). 2015-19. Accessed via SparkMap.

¹⁰ 2021 Stakeholder Survey

¹¹ 2021 Tazewell County Community Health Survey

¹² Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [500 Cities Data Portal](#). 2018. Accessed via SparkMap

¹³ Centers for Disease Control and Prevention, [National Center for Chronic Disease Prevention and Health Promotion](#). 2017. Source geography: County. Accessed via SparkMap

Board Adoption

This document was approved by the CTCH Board of Directors on July 28, 2021, and formally adopted as the 2021 Tazewell County Community Health Assessment.

Disclaimer

This document has been produced to benefit the community. Carilion Clinic encourages use of this report for planning purposes and is interested in learning of its utilization. Comments and questions are welcome and can be submitted to Carilion Clinic Community Health & Outreach at communityoutreach@carilionclinic.org.

Members of the Project Management Team reviewed all documents prior to publication and provided critical edits. Every effort has been made to ensure the accuracy of the information presented in this report; however, accuracy cannot be guaranteed. Members of the Tazewell County Community Health Assessment Team cannot accept responsibility for any consequences that result from the use of any information presented in this report.

Acknowledgements

Success of the 2021 TCCHA was due to the strong leadership and participation of its Project Management Team, the Project Support Team, the CPHD and the CHAT. Thank you to all the community members who participated in the Community Health Survey.

Members of these teams included:

Project Management Team

Project Director: Alicia Bales, Carilion Tazewell Community Hospital – Senior Director

Project Director: Shirley Holland, Carilion Clinic – Vice President, Planning and Community Development

Project Manager: Aaron Boush, Carilion Clinic – Community Health & Outreach Director

Project Manager: Molly Roberts, Carilion Clinic – Community Benefit Manager

Project Support Team

Carilion Clinic: Amy Michals, Karen Mulkey, Kenya Thompson, Mandi Shoemaker, Carilion Direct Staff
Cumberland Plateau Health District

Cumberland Plateau Health District

Collaborating for the CHA is one way that the CPHD works to further its mission: to achieve and maintain optimum personal and community health by emphasizing health promotion, disease prevention, emergency preparedness and environmental protection¹⁴. The district serves four counties in Southwest Virginia, providing needed health and environmental services to this rural area of the Commonwealth.

¹⁴ <https://www.vdh.virginia.gov/cumberland-plateau/>

Community Health Assessment Team (CHAT)

Carilion Clinic's CHAs are community-driven projects. Their success is highly dependent on the involvement of citizens, health and human service agencies, businesses and community leaders. Stakeholder collaborations known as CHATs lead the CHAs. The CHATs are dynamic groups that include health and human service agency leaders, persons with special knowledge of, or expertise in, public health, and local health department officials. The CHATs obtain input from leaders, representatives or members of medically underserved populations who report low-income, are minorities and suffer from chronic disease.

CHAT Members and Area of Expertise

| Name | Organization | Expertise |
|-----------------|--|--|
| Aaron Boush | Carilion Clinic | Healthcare |
| Alicia Bales | Carilion Tazewell Community Hospital | Hospital Administration |
| Jennifer Bourne | Clinch Valley Community Action | Families |
| Karen Mulkey | Carilion Clinic, CHO, CTCH | Health Education |
| Kendra Shelton | Carilion Clinic Home Care | Home Health |
| Kimberly Brown | Carilion Tazewell Community Hospital | Emergency Room |
| Manny Elswick | Main Street UMC, Project 13Three, Celebrate Recovery | Faith Community, Substance Use, Re-entry |
| Molly Roberts | Carilion Clinic | Public Health |
| Rena Matney | Four County Transit/Appalachian Agency for Senior Citizens | Transportation |
| Rene Steele | Labor of Love Mission | Poverty, Food Access |
| Susan White | Clinch Valley Community Action | Senior Outreach |

Community Served

Carilion Tazewell Community Hospital Principal Functions

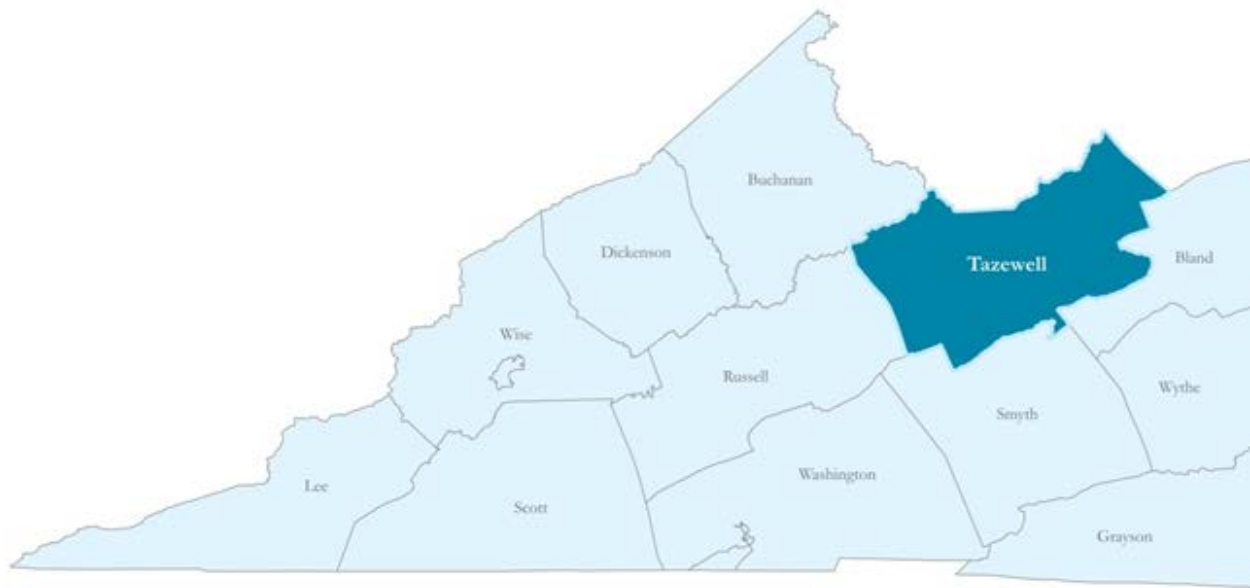
CTCH is a 56-bed hospital with extended care recovery through the swing bed program—a program that allows patients with skilled care needs to grow stronger before going home. CTCH offers 24/7 emergency care, diagnostic services including imaging, mammography, and physical and respiratory therapy. It also provides on-site primary care services through Carilion Clinic Family Medicine and the Tazewell Veteran’s Outpatient Clinic¹⁵.

CTCH is part of Carilion Clinic, a not-for-profit health care organization based in Roanoke, Virginia. Carilion is mission-driven, focusing every day on improving the health of the communities we serve. Through a comprehensive network of hospitals, primary and specialty physician practices, wellness centers and other complementary services, quality care is provided close to home for nearly 1 million Virginians. With an enduring commitment to the health of our region, we also seek to advance care through medical education and research, helping our community stay healthy and inspire our region to grow stronger.

Geographic Area

The service areas for Carilion Clinic’s CHAs are determined by 70-80% of unique patient origin of the hospital in each respective market. Focus is placed on areas that are considered Medically Underserved Areas (MUAs) and Health Professional Shortage Areas (HPSAs).

The service area for the 2021 TCCHA includes Tazewell County, Virginia. In fiscal year 2020, CTCH served 5,943 unique patients. Patient origin data revealed that during this year, 82.72% of patients served by CTCH lived in Tazewell County.



¹⁵ <https://www.carilionclinic.org/locations/carilion-tazewell-community-hospital>

Target Population

The target population for Carilion Clinic's CHA projects consists of underserved/vulnerable populations disproportionately impacted by the social determinants of health, including poverty, race/ethnicity, education, access and/or lack of insurance. Populations are examined across the different life cycles, including parents of children and adolescents, women of child-bearing age, adults and the elderly. They are also studied across various race and ethnic groups and income levels. All patients are included in this assessment regardless of insurance payments or financial assistance eligibility.

Service Area Demographics

Tazewell County consists of distinct communities with significant disparities in health and social determinants compared to the Commonwealth of Virginia. The 2015-2019 U.S. Census Bureau's American Community Survey (ACS) found the total population of Tazewell County to be 41,603 with a median age of 45.2, compared to 38.2 in Virginia¹⁶. The Weldon Cooper Center for Public Service predicts a negative population change for Tazewell County by 2040¹⁷. A more significant percentage of the population is White in Tazewell County than in the Commonwealth of Virginia as a whole. In Tazewell County, 94.4% of the population is White and 3.2% of the population is Black¹⁸. All of Tazewell County is a designated MUA and a HPSA for the low-income population regarding primary care and dental health. It is also considered a high-needs geographical HPSA for mental health by the Department of Health and Human Services¹⁹.

¹⁶ U.S. Census Bureau, 2015-2019 5-year ACS, Table S0101 <https://data.census.gov/cedsci/table?q=S0101&tid=ACSST5Y2019.S0101&hidePreview=true>

¹⁷ <https://demographics.coopercenter.org/virginia-population-projections>

¹⁸ U.S. Census Bureau, 2015-2019 5-year ACS, Table DP05 <https://data.census.gov/cedsci/table?tid=ACSDP5Y2019.DP05&hidePreview=true>

¹⁹ <https://data.hrsa.gov/tools/shortage-area>

Community Health Assessment Process

Identification of Significant Health Needs

Carilion Clinic—with support of the CPHD—led the efforts to conduct the 2021 TCCHA. An 11-member CHAT oversaw the planning activities.

The CHAT met four times throughout the process, with each meeting serving a distinct purpose. See Appendix 1, Gantt Chart, for specific meeting dates.

- Meeting 1: Introduction and Overview of the Process
- Meeting 2: Stakeholder Focus Group
- Meeting 3: Data Review and Prioritization Activity
- Meeting 4: Final Prioritized Needs Discussion

Each meeting builds on the one prior and foster interactive dialogue amongst CHAT members. Due to the impact of COVID-19, all CHAT meetings were held virtually via WebEx.

Significant community health needs were identified utilizing the following:

- Community Health Survey (Appendix 2)
- Stakeholder Survey and Focus Group (Appendix 3)
- Data Review

Further details are provided in the Data Collection and Analysis section. The main criteria for determining the significance of a need were its presence as a top need through a high percentage of Community Health Survey respondents, high percentage of stakeholder survey respondents, top focus group theme, and/or notable worsening trends in either primary or secondary data.

To identify significant health needs in particular parts of the community, additional detail was provided where feasible to make comparisons by county, gender, race and age. Due to the smaller population size in the assessment area, comparisons by race were not always possible.

Prioritization of Significant Health Needs

After all primary and secondary data collection is complete, the CHAT reviews all data and participates in a prioritization activity. Each CHAT member selects and ranks the ten most pertinent community needs. The data are combined, and priorities are selected based on the highest weighted score of each need. Please see Appendix 4 to view the prioritization worksheet.

Through this process, needs are prioritized by the CHAT members according to:

- The perceived burden, scope, severity or urgency of the health need
- The importance the community places on addressing the need through survey responses and other interactions
- Their own unique perspective on the health-related needs of the community

Identification of Resources to Address Needs

The CHAT members were integral in identifying resources to address needs. During the Stakeholder Focus Group and subsequent survey, the CHAT was asked to provide feedback on what resources for health exist in the service area. The list was compiled from their responses, and additional resource lists that have since been identified have also been included. Please see Appendix 5 for the full resource list.

Community Input

Hearing voices from across our service area is crucial to the success of a CHA. Broad-interest community reach is a main qualification when inviting individuals to join the CHAT.

The **CPHD** was engaged at the beginning of the planning process (late spring of 2020), but due to staff turnover was not able to participate in all aspects of the assessment process. However, the CPHD was re-engaged towards the end of the assessment period and participated in further discussion regarding the most integral data for inclusion in the assessment report. Additionally, CPHD staff received an overview of results from the community health and stakeholder surveys and provided feedback in support of the identified and prioritized needs.

The CHAT included other **individuals or organizations serving or representing the community's medically underserved, low-income and minority populations**. Examples include:

- Social service agencies (e.g., Clinch Valley Community Action, Appalachian Agency for Senior Citizens)
- Other community-based organizations (e.g., Labor of Love Mission)

These organizations and individuals helped gather community input by distributing the Community Health Survey. CHAT member input was solicited through the Stakeholder Survey and Focus Group. Combined, these efforts led to the identification and prioritization of community health needs.

Target population focus groups are typically a significant way in which we collect community input, especially for those who are medically underserved, under-resourced or have disadvantages related to health needs. The COVID-19 pandemic impacted our ability to gather in groups and created logistical barriers for these focus groups. The CHAT decided that these focus groups would not be possible for the 2021 assessment due to resource and logistical strains.

The 2018 TCCHA and subsequent Implementation Strategy were posted publicly through multiple electronic channels and shared widely by community partners. An email address was provided for submission of **written comments**, but none were received.

Community Impact

Impact of Actions Taken in Response to 2018 TCCHA

Carilion Clinic responds to community health needs in innovative ways. Our initiatives include:

- Having a robust primary care physician practice network of medical homes
- Making sure our regions have access to state-of-the-art health care close to home
- Providing community grants and sponsorships to extend our mission and support other organizations that address health needs
- Creating and implementing community-wide strategies to reduce barriers, coordinate resources and enhance community strengths
- Providing community-based health and wellness programming

With the onset of COVID-19, Carilion immediately recognized the prominent role we would play in both prevention and treatment for our region. The pandemic demanded a shift in operations and priorities during Virginia's stay-at-home order. While some of our Implementation Strategies were delayed or altered, Carilion quickly responded to the new and unique social health needs arising from COVID-19.

Community response efforts included establishing a community hotline and recovery support phone line, expanding flu shot distribution, and broad community health education and guidance. We also made it our mission to ensure the safety and well-being of patients at higher risk of severe infection from COVID-19 through targeted outreach programs. The Home Alone project, for example, connected senior patients who were living alone with resources such as food, masks, medications and toiletries. Patients with more complex social needs were escalated to Community Health Workers and those with more complex health needs were escalated to a nurse. Care kits and information were also provided to Housing Authority sites that specifically housed older adult populations. Home Alone reached a total of 1,651 high-risk patients across Carilion's footprint, allowing seniors to stay home safely, avoid the hospital and reduce their exposure to COVID-19.

As COVID-19 vaccinations became available, Carilion once again shifted operations to stand up regular clinics throughout much of the Carilion service area, including clinics in Tazewell County. Since December 2020, we've partnered with local health departments and authorities across our region to aid in the fight against COVID-19. Carilion staff and volunteers have administered hundreds of thousands of COVID-19 vaccine doses to our communities. Each vaccine gets us one step closer to getting the pandemic under control.

In continued commitment to addressing substance misuse and the opioid crisis, CTCH has partnered with Southwest Virginia Community Health to begin operating a New Day Recovery substance abuse program on the CTCH campus, set to open later in 2021. This will bring needed outpatient treatment to Tazewell and will help to reduce stigma associated with substance use treatment by locating within the hospital. Work is ongoing to strengthen recovery services available within Tazewell County. Additionally, CTCH is utilizing telepsych services to enable patient access to Carilion providers and the Cumberland Mountain Community Services Board for screenings.

To improve health behaviors, a health educator solely dedicated to Tazewell County was hired in 2020 through the Community Health and Outreach department. This created an increased presence of CTCH within the community and increased the number of health education events, vaccinations and

screenings Carilion was able to provide. More than 65 health education events, programs, screenings or immunizations have reached nearly 1,000 people since October 1, 2018, in response to the 2018 TCCHA identified needs. CTCH also awarded over \$15,000 through the Carilion Clinic Community Grant program to support organizations in Tazewell County working to address those needs.

Medicaid expansion continues to increase access to health services across the region. With commitment to continued enrollment in Medicaid and other applicable public programs, Carilion has partnered with MedAssist, a contractor dedicated to determining eligibility and assisting with all aspects of enrollment for eligible patients and community members. Enrollment not only allows access to Carilion services, but to additional dental and mental health services across the community as well.

Data Collection and Analysis Methods

Primary and secondary data were collected for the 2021 TCCHA. Additionally, billing data from Carilion Clinic on hospital admissions and emergency department visits for residents within the service area helped corroborate perceived community needs with the clinical conditions being seen at the hospital. Primary data collection included the Community Health Survey, the Stakeholder Focus Group and the Stakeholder Survey. Both primary and secondary data were shared for review with the CHAT in advance of the third CHAT meeting.

Community Health Survey

A Community Health Survey was conducted as part of the TCCHA. This survey was used to evaluate the health of the community and identify potential geographic areas to target improvements. Input and oversight of survey development was provided by the CHAT and an organization-wide planning group consisting of representatives from Carilion and other community partner agencies.

A 38-question survey instrument was initially developed in 2011 and updated in 2020 that asked questions about socioeconomic factors, access to medical, dental and mental health care, healthy behaviors, physical environment, health outcomes and demographics (Appendix 2: Community Health Survey). The survey instrument included commonly used questions and metrics from the following established community surveys:

- Community Themes and Strengths Assessments, National Association of County and City Health Officials (NACCHO), Mobilizing for Action through Planning and Partnerships (MAPP)
- Community Healthy Living Index, YMCA
- Behavioral Risk Factor Surveillance System, Centers for Disease Control and Prevention (CDC)
- National Health Interview Survey, CDC
- Youth Risk Behavior Surveillance System, CDC
- Martin County Community Health Assessment, Martin County, North Carolina
- Previous Tazewell County Community Health Surveys

The population of interest for the survey was Tazewell County residents 18 years of age and older. Surveys were distributed from October 2020 through January 2021. A drawing for a \$100 grocery store gift card was offered as an incentive for those completing the survey.

The following subpopulations were especially targeted for sampling:

- Underserved/vulnerable populations disproportionately impacted by the social determinants of health, including:
 - Poverty
 - Race/ethnicity
 - Education
 - Lack of insurance

A non-probability sample method was used, where respondents were not randomly selected. Although the survey was available to all residents living in Tazewell County, oversampling of the targeted subpopulations was attempted through specific outreach efforts through community partners. Despite

oversampling efforts to ensure that needs and assets specific to this subpopulation of interest were captured, survey demographic results indicate a lower-than-expected response from these groups.

The survey instrument was available in both English and Spanish via the following methods:

- Survey Monkey link (www.surveymonkey.com/r/2018CHA)
- Phone line (888-964-6620)
- Paper surveys (collected by volunteers and/or staff of partner agencies)

Outreach strategies for survey distribution included:

- Media coverage by the local television and newspaper announcing the URL for the survey
- Facebook, including geographically targeted advertisements
- Flyers and posters distributed throughout the community with survey URL and phone line information
- Survey URL posted on partner agency websites

Due to the impact of COVID-19 on face-to-face interactions, electronic survey completion was emphasized. Although paper surveys were distributed, they represented a lesser share of responses than in prior assessment periods.

In total, **287 surveys** were collected.

- **180 paper surveys**
- **107 online surveys**
- **0 phone surveys**

All responses were entered into Survey Monkey by survey respondents or by Carilion Direct representatives, who entered responses from paper or phone surveys. Surveys were analyzed and reported using Survey Monkey and Microsoft Excel.

Stakeholder (CHAT) Focus Group

The second CHAT meeting consisted of a Stakeholder Focus Group with the CHAT members. The questions discussed were identical to those included in the Stakeholder Survey (Appendix 3: Stakeholder Survey). Carilion Clinic staff from across the organization aided in facilitating small group discussions. In order to quantify focus group data, CHAT members were asked to complete the Stakeholder Survey.

An additional Stakeholder Focus Group was held with CTCH's Board of Directors. These participants were also asked to complete a Stakeholder Survey to quantify data from the discussion.

Stakeholder Survey

Throughout the TCCHA process, community stakeholders, leaders and providers were encouraged to complete the Stakeholder Survey (Appendix 3: Stakeholder Survey). This survey provided an additional perspective to the needs and barriers to health facing our community. The survey was available online and was shared at the CHAT meetings and via email. Surveys were analyzed and reported using Survey Monkey and Microsoft Excel.

Secondary Data

Secondary data was collected through SparkMap, a product from the University of Missouri that quickly and accurately aggregates data across geographies for 80+ indicators from publicly available sources such as the ACS, County Health Rankings and the VDH. Secondary data analysis was provided through SparkMap's tables, maps and visual diagrams depicting indicators that are better or worse than the state average, trends over time, and comparisons across different population segments such as race and life cycle. See Appendix 7 for full secondary data report from SparkMap.

While SparkMap was the main source of secondary data, additional sources were utilized. The VDH's Equity Dashboard was utilized for an overview and analysis of equity in Tazewell County.

Collaboration

To ensure long-term impact of the health assessment and resulting community health improvement process implementation, Carilion plays a key role in convening community organizations to assess the needs of the community, fostering collaborative relationships among diverse stakeholder organizations representing health and human services, businesses, local governments and nonprofit organizations. The 2021 TCCHA would not have been possible without collaboration across all CHAT members—an aspect critical to the success of this project.

Data Review

In the following sections, data will be presented in a variety of formats to illustrate some of the relevant data points impacting the health of the community. Higher rates of chronic diseases, cancers and many socioeconomic factors exist across the service area to varying degrees when compared with the Commonwealth of Virginia as a whole. Where tables exist, red text indicates a value worse than the Virginia average.

Clinical Data

Chronic Diseases in Residents of Tazewell County from Secondary Data Sources

Chronic diseases are often preventable and can be impacted by health behaviors and lifestyle. In review of secondary data for chronic disease, Tazewell County has consistently higher percentages of chronic diseases than Virginia. High blood pressure and chronic lower respiratory diseases are particularly high, with 10.7% and 38.0% of adults diagnosed with these conditions, respectively. Virginia sits at 6.6% of adults with chronic lower respiratory disease and 32.3% with high blood pressure. C1 shows the percentage of adults with a subset of chronic diseases across the service area according to CDC's Behavioral Risk Factor Surveillance System.

Diabetes and obesity are also higher in Tazewell County than Virginia. The percent of Tazewell County adults with obesity is 36.2%, compared to Virginia's overall rate of 30.4%. Adult diabetes is nearly 13% in Tazewell County, 3% higher than in Virginia. See Table C2 for details.

Table C1. Chronic Diseases, Tazewell County

| Report Area | Percentage of Adults with Asthma | Percentage of Adults Ever Diagnosed with Chronic Lower Respiratory Disease | Percentage of Adults Ever Diagnosed with Coronary Heart Disease | Percentage of Adults Ever Having a Stroke | Percentage of Adults with High Blood Pressure |
|-----------------|----------------------------------|--|---|---|---|
| Tazewell County | 9.9% | 10.7% | 9.9% | 4.4% | 38.0% |
| Virginia | 8.9% | 6.6% | 6.4% | 3.2% | 32.2% |
| United States | 9.5% | 7.2% | 6.1% | 3.4% | 32.9% |

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the 500 Cities Data Portal. 2018. Accessed via SparkMap

Table C2. Diabetes and Obesity, Tazewell County

| Report Area | Adults with Diagnosed Diabetes, Age- Adjusted Rate | Adults with BMI > 30.0 (Obese), Percent |
|-----------------|--|---|
| Tazewell County | 12.8% | 36.2% |
| Virginia | 9.7% | 30.4% |
| United States | 9.5% | 29.5% |

Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion. 2017. Source geography: County. Accessed via SparkMap.

Chronic Diseases in Hospital Patients Residing in the Tazewell Area, Medical Billing Data

As the only hospital within Tazewell County and a main provider of care in the area, Carilion leverages internal data for insights on the health of the community. Data on inpatient admissions point to some service lines with preventable aspects. Other Medical, the top service line for admissions, includes systemic issues such as sepsis, urinary tract or kidney issues, diseases of the ear, nose and throat, blood and immune disorders, and diseases of the subcutaneous tissue. The next two service lines, pulmonary and cardiology, can be influenced by lifestyle factors such as diet and exercise. Emergency department visits for Tazewell County residents shows the top visit category to be injuries (broadly), followed by respiratory diseases. Here we see an opportunity for decreased ED visits through education. Table C4 and C5 provide further detail on admissions and emergency department visits.

Table C4. Top 10 Inpatient Admission Service Lines for Tazewell County Patients

| Service Line | FY2017 | FY2018 | FY2019 | FY2020 |
|----------------------|---------------|---------------|---------------|---------------|
| IP Other Medical | 22.43% | 25.00% | 24.08% | 24.74% |
| IP Pulmonary | 22.43% | 18.63% | 22.32% | 20.72% |
| IP Cardiology | 15.15% | 14.96% | 14.21% | 14.80% |
| IP Neurology | 8.83% | 8.78% | 8.86% | 7.40% |
| IP GI | 7.28% | 6.56% | 8.03% | 6.98% |
| IP Orthopedics | 4.17% | 5.12% | 5.54% | 5.50% |
| IP Other Surgery | 3.69% | 4.92% | 4.06% | 5.50% |
| IP Behavioral Health | 4.76% | 3.67% | 2.77% | 3.38% |
| IP Mother Baby/GYN | 2.23% | 4.15% | 1.66% | 2.54% |
| IP Oncology | 1.84% | 0.87% | 1.85% | 2.54% |

Data Source: Strata

Table C5. Top 10 Emergency Department Visit Reasons for Tazewell County Patients

| ICD-10 Category | FY2017 | FY2018 | FY2019 | FY2020 |
|--|---------------|---------------|---------------|---------------|
| Injury, poisoning, and certain other consequences of external causes | 18.45% | 17.65% | 18.18% | 18.47% |
| Diseases of the respiratory system | 16.77% | 16.95% | 16.76% | 16.70% |
| Diseases of the musculoskeletal system and connective tissue | 7.79% | 8.25% | 7.86% | 7.48% |
| Symptoms, signs, and abnormal clinical laboratory findings, not elsewhere classified | 5.77% | 6.74% | 6.58% | 6.89% |
| Diseases of the digestive system | 7.76% | 5.98% | 6.39% | 6.38% |
| Symptoms, signs, circulatory and respiratory | 5.10% | 6.48% | 6.09% | 6.04% |
| Diseases of the genitourinary system | 5.81% | 5.46% | 5.02% | 5.55% |
| Diseases of the circulatory system | 5.22% | 4.47% | 4.85% | 5.51% |
| Symptoms, signs, digestive and abdomen | 4.55% | 5.95% | 5.12% | 4.85% |
| Diseases of the skin and subcutaneous tissue | 5.05% | 4.22% | 3.75% | 4.53% |

Data Source: Strata

Cancer

The overall incidence of cancer in Tazewell County is much lower than Virginia at 307.1 cases per 100,000 people. Rates of breast and colorectal cancer are also lower in Tazewell County, while lung cancer rates are higher for Tazewell County residents than Virginia overall. See Table C6 for breast, colorectal and lung cancer incidence rates by locality.

Table C6. Cancer Incidence Rates by Locality, 2013-2017

| Report Area | Cancer Incidence Rate (Per 100,000 Population) | Breast Cancer Incidence Rate (Per 100,000 Population) | Colorectal Cancer Incidence Rate (Per 100,000 Population) | Lung Cancer Incidence Rate (Per 100,000 Population) |
|--------------------|---|--|--|--|
| Tazewell County | 307.1 | 66.9 | 26.8 | 62.1 |
| Virginia | 416.1 | 127.4 | 35.2 | 56.4 |
| United States | 448.7 | 125.9 | 38.4 | 58.3 |

Data Source: [State Cancer Profiles](#). 2013-17. Source geography: County. Accessed via SparkMap.

Vital Conditions for Well-Being

In addition to addressing the social determinants of health, we are utilizing a framework for addressing health and well-being through seven Vital Conditions established by the Well-Being in the Nation Network. The Vital Conditions for Well-Being framework emphasizes the health and well-being of people and places as a necessary component to thrive²⁰. Below we describe each vital condition and present a subset of related data.

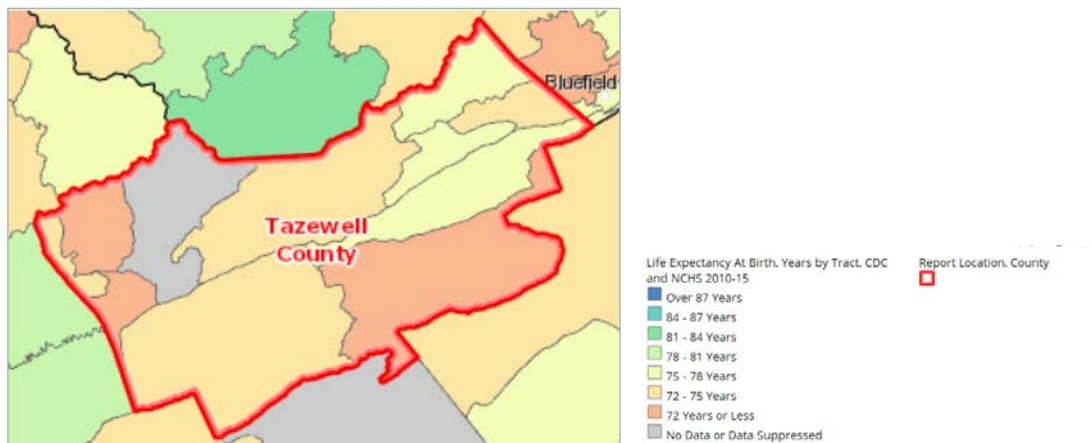
Vital Condition: Basic Needs for Health & Safety

Basic needs for health and safety include factors like access to physical and mental health care services, nutritious foods, and freedom from addiction, trauma and crime²¹. The subset of indicators provided below paints a picture of some of the potential barriers in Tazewell County to meeting these basic needs. Additionally, we can pinpoint specific areas within the region that are likely to have more gaps in basic needs based on lower life expectancy.

Life Expectancy

Some disparities are seen in life expectancy across Tazewell County, with lower rates seen in the southeast and southwest census tracts. Overall, Tazewell County's life expectancy is 73.57 years, while variability across census tracts ranges from a low of 67.1 years in census tract 210 to a high of 77 years in census tract 211²².

Map V1. Life Expectancy in Years by Census Tract



Data Source: Centers for Disease Control and Prevention and the National Center for Health Statistics, [U.S. Small-Area Life Expectancy Estimates Project](#), 2010-15. Source geography: Tract. Accessed via SparkMap.

²⁰ <https://winnetwork.org/vital-conditions>

²¹ <https://thriving.us/wp-content/uploads/2020/07/Springboard-Main-Narrative-For-Print-.pdf>

²² Data Source: Centers for Disease Control and Prevention and the National Center for Health Statistics, [U.S. Small-Area Life Expectancy Estimates Project](#), 2010-15. Source geography: Tract. Accessed via Sparkmap.

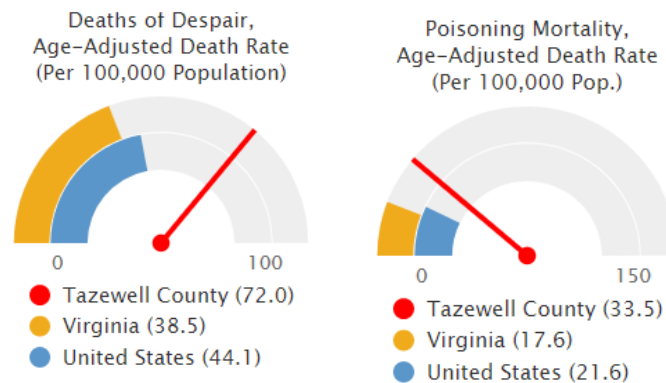
Health Professional Shortage Areas (HPSAs)

A shortage of health professionals is a barrier to care contributing to poor outcomes. Tazewell County is designated as an HPSA for primary care and dental care for the area’s low-income population and a high-needs geographic HPSA for mental health²³. This indicates an emphasis on mental health providers as an urgent growth opportunity for the county, along with the needs for additional primary care and dental providers to meet the needs of the population.

Drug Use, Overdose and Deaths of Despair

The small population size of Tazewell County adds some difficulty in assessing drug overdose statistics for the region, though we know that overdose rates have been high over the last few years and in recent months²⁴. As discussed previously, the rate of drug overdose emergency department visits has increased across Virginia—by 22% in the Southwest Virginia Health Planning Region, which includes Tazewell County.

The death rate for deaths of despair (suicide, alcohol poisoning or drug poisoning) in Tazewell is 1.8 times the rate of Virginia, with a rate of 72 deaths per 100,000 people. Mortality for drug poisoning alone in Tazewell is 1.9 times the rate of Virginia (17.6 deaths per 100,000 people)²⁵.



Binge Drinking

Binge drinking in Tazewell County is lower than in Virginia overall—14.6% and 16.1% of adults respectively. However, in analyzing by census tracts, the northern area of Tazewell County stands out from the rest with rates in two census tracts of 18% of adults or more²⁶. This indicator is often linked to poor health outcomes and poor mental health status.

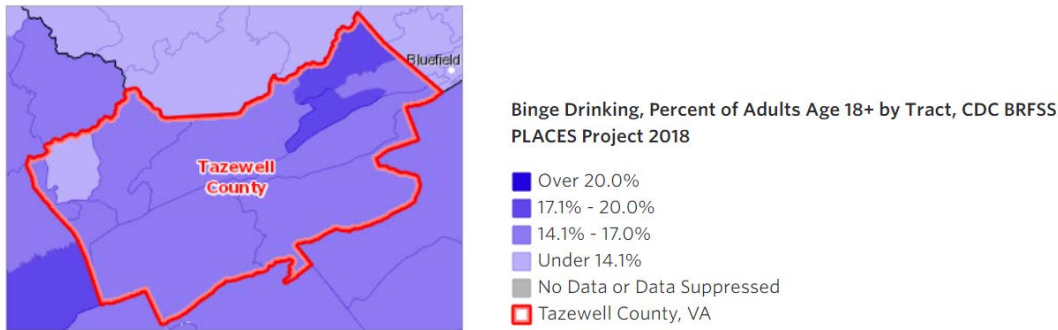
²³ <https://data.hrsa.gov/tools/shortage-area/hpsa-find>

²⁴ VDH Monthly Statistics table, accessed via <https://www.vdh.virginia.gov/surveillance-and-investigation/syndromic-surveillance/drug-overdose-surveillance/>

²⁵ Data Source: Centers for Disease Control and Prevention, [National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2015-2019. Source geography: County. Accessed via SparkMap.

²⁶ Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [500 Cities Data Portal](#). 2018. Accessed via SparkMap.

Map V2. Binge Drinking, Percent of Adults Age 18+, by Census Tract



Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [500 Cities Data Portal](#), 2018. Accessed via SparkMap.

Food Insecurity

Prior to the pandemic, food insecurity had been at its lowest level in 20 years according to Feeding America. Due to income losses during this time, food insecurity is projected to increase for 2020 and 2021²⁷. Additionally, while COVID-19 relief funding has been available to nonprofit organizations addressing food insecurity, it is an unreliable funding stream. It is reasonable to expect that insecurity will persist long after the funding ends. Prior to the pandemic, food insecurity was already higher in Tazewell County than Virginia overall—with an even higher rate of food insecurity for children.

Table V2. Food Insecurity

| Report Area | Food Insecurity Rate (Overall) | Food Insecurity Rate (Children) |
|-----------------|--------------------------------|---------------------------------|
| Tazewell County | 15.2% | 20.3% |
| Virginia | 9.4% | 11.5% |
| United States | 10.9% | 14.6% |

Data source: Feeding America Map the Meal Gap 2019. <https://map.feedingamerica.org/>

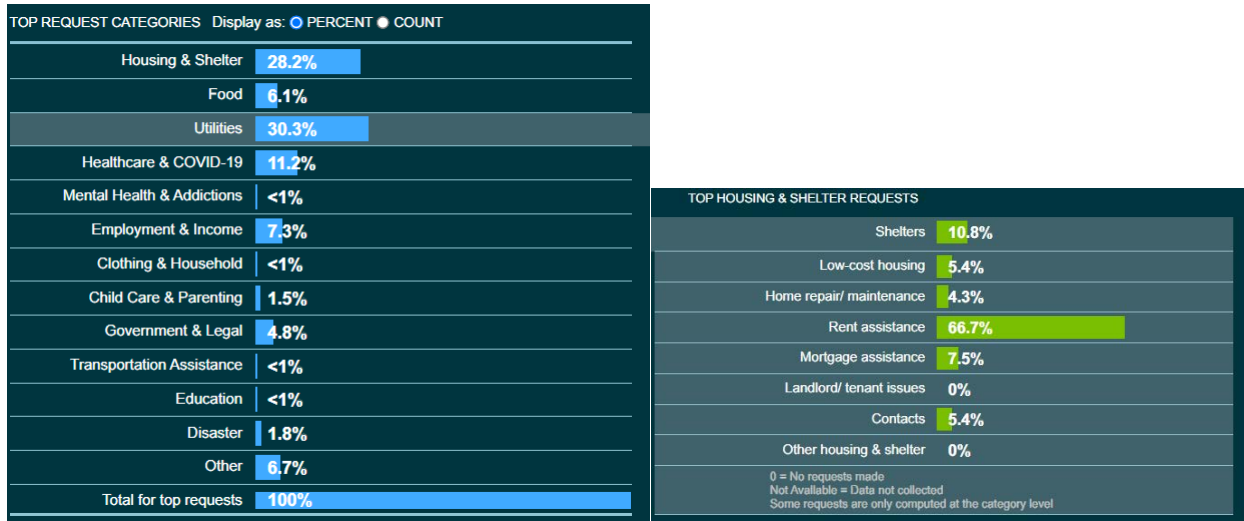
Resource Requests to Virginia 211

Virginia 211 is a free service that helps connect people to resources they need. An initiative of the Department of Social Services and partners, this service is available online, by phone call or by text message. The data dashboard is a useful tool to see what basic needs are not being met in individuals across the commonwealth.

Of all requests in the last year for Tazewell County, 30.3% have been related to utilities. Within that category, 85% of requests were related to electric. Requests for housing and shelter were the second highest percentage of requests, with over 66% of those related to rent assistance. The interrelation of the Vital Conditions for Health and Well-Being are illustrated throughout the Virginia 211 requests, forging a connection between basic needs for health and safety, housing, meaningful work and more.

²⁷ <https://feedingamericaaction.org/resources/state-by-state-resource-the-impact-of-coronavirus-on-food-insecurity/>

Figure V1. Virginia 211, Top service requests, July 1, 2020 – June 30, 2021



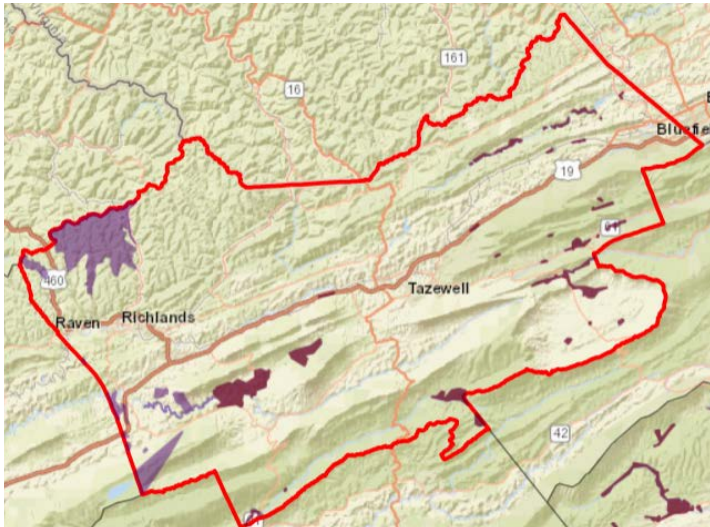
Source: <https://va.211counts.org/>

Broadband Access

Access to the internet is an increasingly important requisite for accessing information and health and social services. Many areas across Virginia suffer from inadequate access, exacerbated by rural, mountainous geographies like what is seen in Tazewell County. According to the Integrated Broadband Planning and Analysis Toolbox by Virginia Tech’s Center for Geospatial Information Technology, there are pockets within Tazewell County that have no broadband or are considered unserved—a definition based on low or no upload and download speeds²⁸. This does not take into account affordability or reliability. The dark red sections on the map below correspond to these unserved areas, while purple corresponds to no broadband.

²⁸ Virginia Tech Virginia Broadband Availability Map and Integrated Broadband Planning and Analysis Toolbox, accessed via <https://broadband.cgis.vt.edu/IntegratedToolbox/#about>

Map V3. Tazewell County Broadband Access



Source: <https://broadband.cgjt.vt.edu/IntegratedToolbox/#about>

Vital Condition: Lifelong Learning

Lifelong learning is defined as continued education, learning and literacy²⁹. Higher levels of education tend to be reflective of better health status and health outcomes, emphasizing the importance of the data presented below and its impact on health and well-being.

Educational Attainment

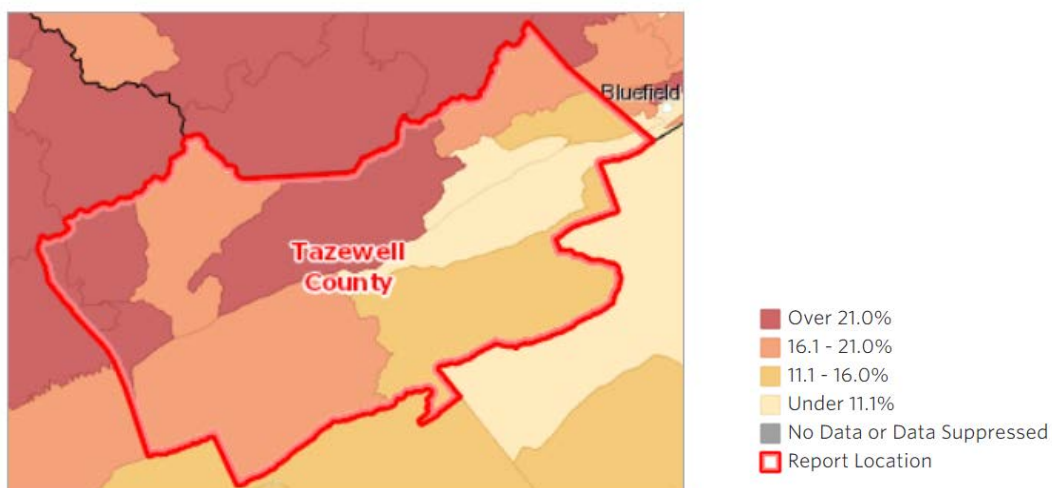
Education is a predictor of health outcomes and economic stability. Understanding the educational attainment for an area is important for the labor force and economic development. The table below shows educational attainment across the service area. Tazewell County residents have lower educational attainment than Virginia, with nearly 55% of adults having a high school diploma or less. When examining by census tract, two areas have a higher rate of not having a high school diploma than the rest of the county, shown on the map below in dark red.

Table V3. Educational Attainment Overview

| Report Area | No High School Diploma | High School Only | Some College | Associates Degree | Bachelor's Degree | Graduate or Professional Degree |
|-----------------|------------------------|------------------|--------------|-------------------|-------------------|---------------------------------|
| Tazewell County | 18.28% | 36.5% | 20.1% | 10.3% | 9.4% | 5.5% |
| Virginia | 10.31% | 24.0% | 19.2% | 7.8% | 22.0% | 16.8% |
| United States | 12.00% | 27.0% | 20.4% | 8.5% | 19.8% | 12.4% |

Data Source: US Census Bureau, [American Community Survey](#). 2015-19. Source geography: County. [Show more details](#). Accessed via SparkMap.

Map V4. Population age 18+ with no High School Diploma by Census Tract



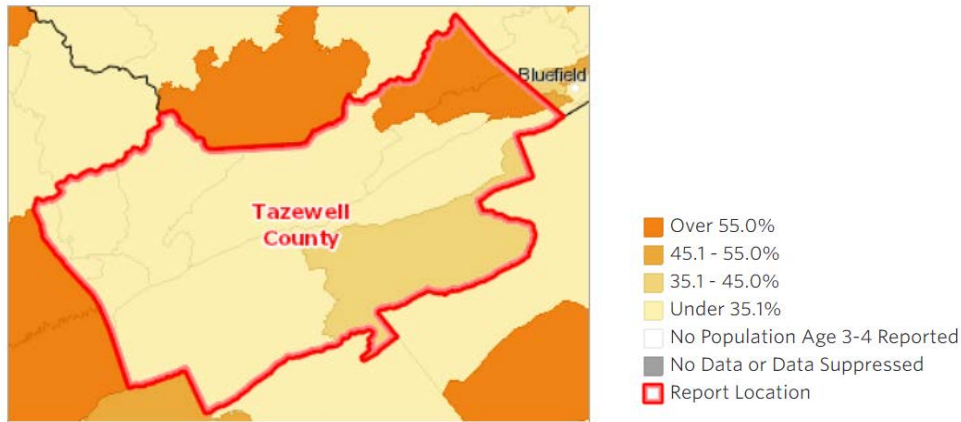
Data Source: US Census Bureau, [American Community Survey](#). 2015-19. Source geography: County. [Show more details](#). Accessed via SparkMap

²⁹ <https://thriving.us/wp-content/uploads/2020/07/Springboard-Main-Narrative-For-Screen-2.pdf>

Preschool Enrollment

Tazewell County has a lower percentage of three- to four-year-old children enrolled in preschool than Virginia, with 38.4% enrolled compared to Virginia’s 48.84%³⁰. The map below shows an area at the top of the county with higher enrollment rates. This indicates possible opportunities for improvements in early childhood education, better preparing children for kindergarten and potentially improving health status and outcomes.

Map V5. Preschool Enrollment, Children Age 3-4, by Census Tract



Data Source: US Census Bureau, [American Community Survey](#). 2015-19. Source geography: Tract. Accessed via SparkMap.

³⁰ Data Source: US Census Bureau, [American Community Survey](#). 2015-19. Source geography: Tract. Accessed via SparkMap.

Vital Condition: Meaningful Work & Wealth

Meaningful work and wealth refers to rewarding work, careers and standards of living. It can be measured through indicators such as job training, well-paying jobs, income and poverty³¹. Low economic status is often associated with poor health, as cost and affordability can be barriers to accessing health care and healthy foods. Income and poverty as presented below highlight areas in Tazewell County with lower income and higher poverty.

Median Household Income and Poverty

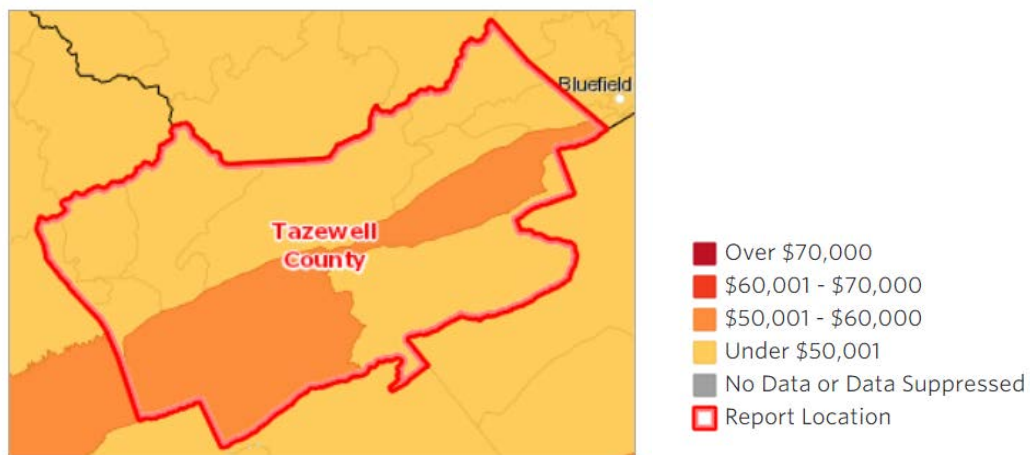
Tazewell County has lower median household incomes and higher rates of poverty than Virginia overall. The darker shaded areas in Map V6 indicate higher poverty rates, with some census tracts experiencing double the rate of poverty as Virginia.

Table V3. Median Household Income and Population in Poverty

| Report Area | Median Household Income | Population in Poverty, Percent |
|-----------------|-------------------------|--------------------------------|
| Tazewell County | \$42,099 | 17.5% |
| Virginia | \$74,222 | 10.56% |
| United States | \$62,843 | 13.42% |

Data Source: US Census Bureau, [American Community Survey](#). 2015-19. Source geography: Tract. Accessed via SparkMap.

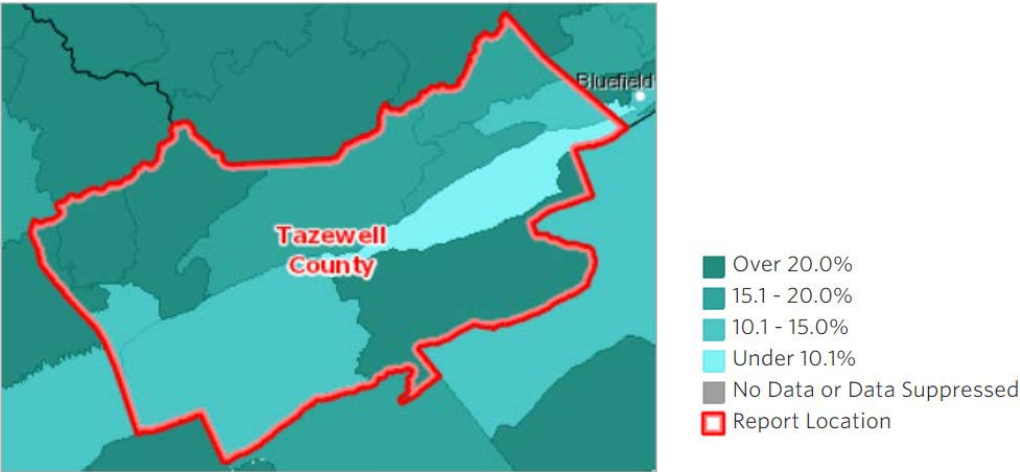
Map V6. Median Household Income by Census Tract



Data Source: US Census Bureau, [American Community Survey](#). 2015-19. Source geography: Tract. Accessed via SparkMap.

³¹ <https://thriving.us/wp-content/uploads/2020/07/Springboard-Main-Narrative-For-Screen-2.pdf>

Map V7. Population Below the Federal Poverty Level by Census Tract



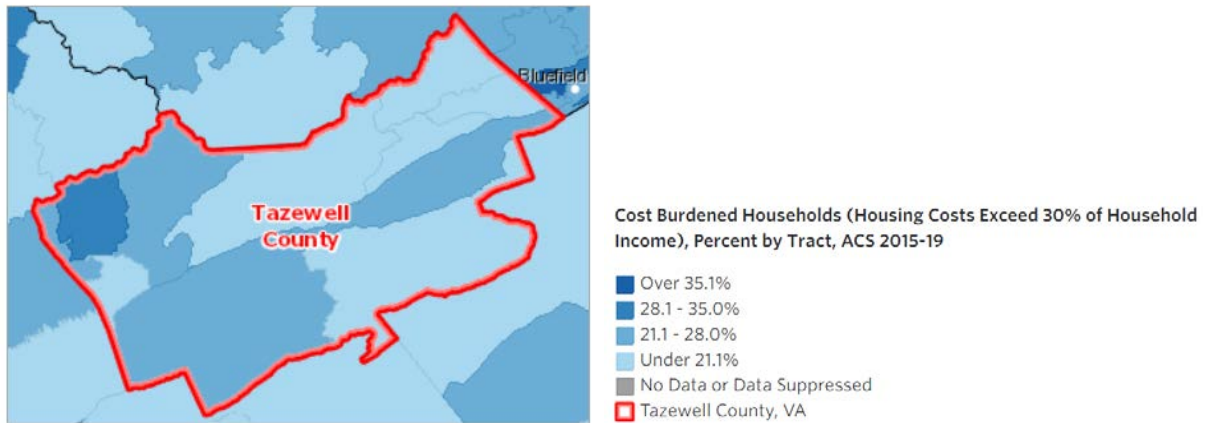
Data Source: US Census Bureau, [American Community Survey](#). 2015-19. Source geography: Tract. Accessed via SparkMap.

Vital Condition: Humane Housing

Humane housing includes indicators related to safety and security at home, a key need for thriving people and communities. Housing is often the highest expense for a household and can easily set the trajectory for all aspects of health—for better or worse³².

At 19.58%, Tazewell County has a nearly 10% lower rate of cost-burdened housing than Virginia overall. However, census tract 209 has a much higher rate—33.22%. That same census tract shows a much higher rate of substandard housing than the rest of Tazewell County. Data on cost-burdened households and substandard housing show large variability across census tracts and point to geographic disparities in humane housing.

Map V8. Cost Burdened Households, Housing Costs Exceed 30% of Household Income, by Census Tract



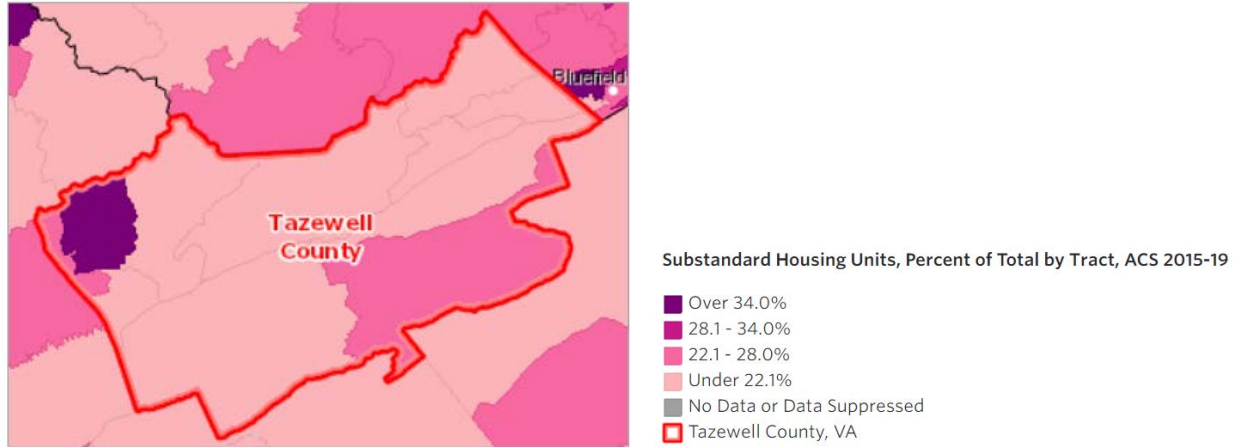
Data Source: US Census Bureau, [American Community Survey](https://www.census.gov/data/tables/2019/acs/2019-2019.html), 2015-19. Source geography: Tract. Accessed via SparkMap.

³² <https://www.communitycommons.org/collections/Humane-Housing-as-a-Vital-Condition>

Substandard Housing (At Least One Substandard Condition Present)

Substandard conditions include: 1) lacking complete plumbing facilities, 2) lacking complete kitchen facilities, 3) with one or more occupants per room, 4) selected monthly owner costs as a percentage of household income greater than 30% and 5) gross rent as a percentage of household income greater than 30%.

Map V9. Substandard Housing by Census Tract



Data Source: US Census Bureau, [American Community Survey](#), 2015-19. Source geography: Tract. Accessed via SparkMap.

Vital Condition: Thriving Natural World

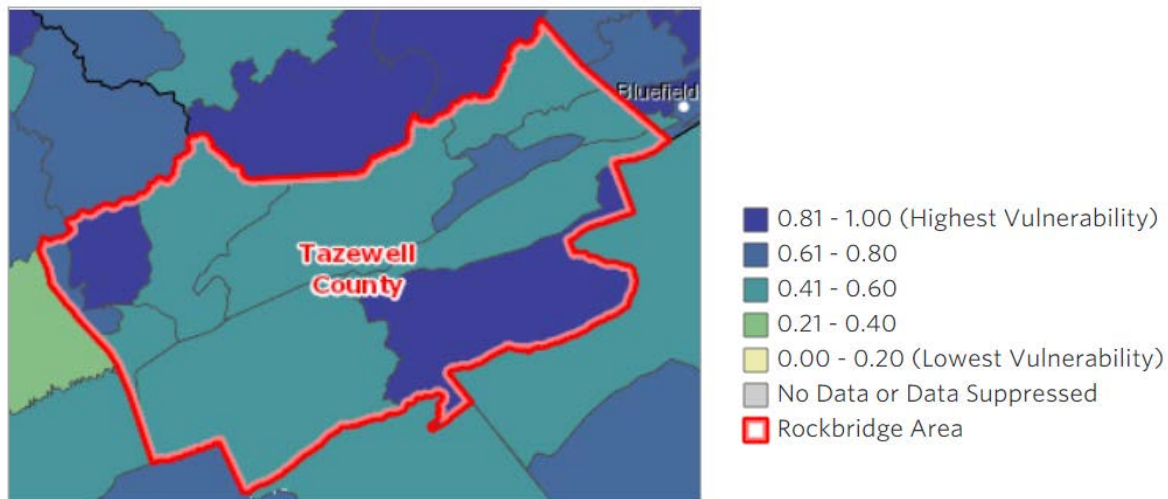
A thriving natural world includes indicators related to clean air, clean water and clean places to live, work and play³³. The physical environment plays a large role in health outcomes. It contributes to a wide range of factors, including healthy behaviors like physical activity, and health conditions such as asthma. Environmental health in Tazewell County is generally good, with air and water quality meeting national standards. On average, no days per year have emissions levels that exceed national standards³⁴.

Social Vulnerability Index

The CDC created a measure—the Social Vulnerability Index—to determine how vulnerable a community may be to human suffering and financial loss in a disaster, including environmental issues such as chemical spills or natural disasters, as well as disease outbreaks. By analyzing various social determinant issues, the vulnerability of each census tract is determined and allows for more efficient preparation and response³⁵.

Ranging from 0-1, a higher score indicates higher vulnerability. Tazewell County has a social vulnerability index score of 0.59, which is lower than the Virginia average of 0.34. Two census tracts within Tazewell County, tracts 207 and 209, have disproportionately higher scores than the rest of the county coming in at 0.819 and 0.895, respectively.

Map V10. Social Vulnerability Index by Census Tract



Data Source: Centers for Disease Control and Prevention and the National Center for Health Statistics, [CDC - GRASP](#). 2018. Source geography: Tract. Accessed via SparkMap.

³³ <https://www.communitycommons.org/collections/Thriving-Natural-World-as-a-Vital-Condition>

³⁴ Centers for Disease Control and Prevention Environmental Public Health Tracking Network, accessed via <https://ephtracking.cdc.gov/InfoByLocation/>

³⁵ https://www.atsdr.cdc.gov/placeandhealth/svi/fact_sheet/fact_sheet.html

Vital Condition: Reliable Transportation

Reliable transportation refers to access to transportation that is yes, reliable, but also safe, accessible and close to places for food, work and play³⁶. According to the ACS, very few Tazewell County residents rely on public transportation or bike/walk for their commute to work. The rural geography of Tazewell County and limited transportation resources, however, are a major barrier to accessing resources. Stakeholders indicated transportation as the top barrier to health for the community³⁷.

Table V4. Households with No Motor Vehicle and Commute Pattern

| Report Area | Households with No Motor Vehicle, Percent |
|-----------------|---|
| Tazewell County | 7.97% |
| Virginia | 6.10% |
| United States | 8.61% |

Data Source: US Census Bureau, [American Community Survey](#), 2015-19. Source geography: Tract. Accessed via SparkMap.

³⁶ <https://thriving.us/wp-content/uploads/2020/07/Springboard-Main-Narrative-For-Screen-2.pdf>

³⁷ 2021 Stakeholder Survey

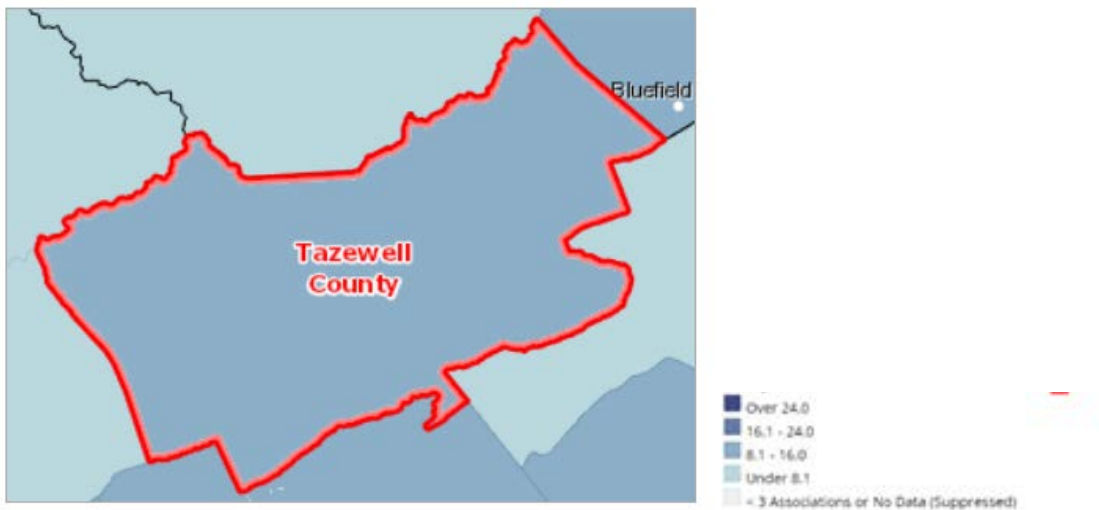
Vital Condition: Belonging & Civic Muscle

Belonging and civic muscle refers to a sense of belonging and power to shape the world. It includes indicators such as civic engagement and social associations³⁸. Fulfilling relationships and social supports are key to thriving, engaging and investing in the community.

Social Associations

This indicator reports the number of social associations per 10,000 population. Associations include membership organizations such as civic organizations, bowling centers, golf clubs, fitness centers, sports organizations, political organizations, labor organizations, business organizations and professional organizations³⁹. Communities with fewer social associations may be more likely to have individuals with a lower sense of belonging. Tazewell County has a social associations rate of 10.87 per 10,000 people.

Map V11. Social Associations per 10,000 population by Locality



Data Source: US Census Bureau, [County Business Patterns](#). Additional data analysis by [CARES](#), 2018. Accessed via SparkMap.

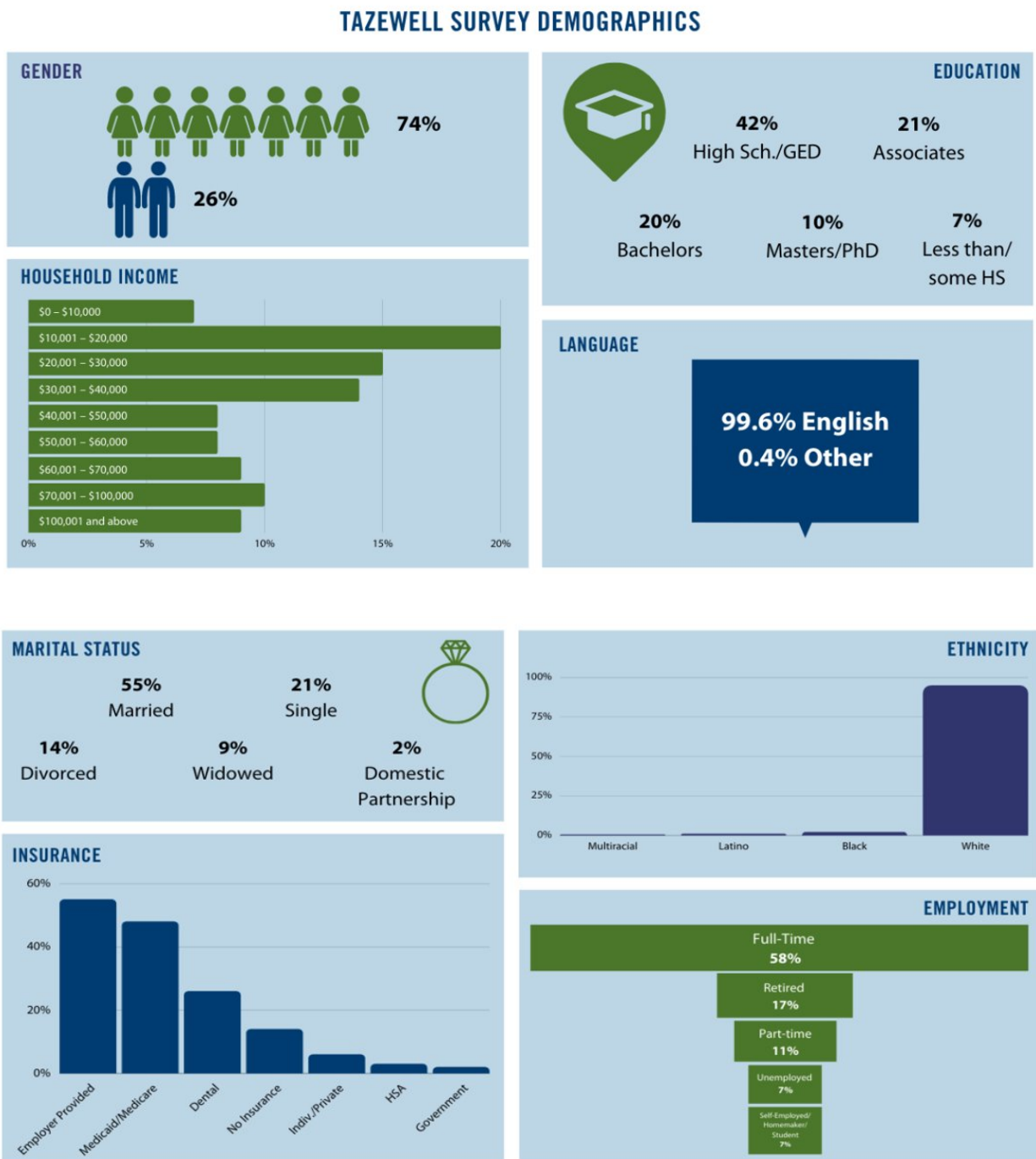
³⁸ <https://thriving.us/wp-content/uploads/2020/07/Springboard-Main-Narrative-For-Screen-2.pdf>

³⁹ University of Missouri CARES, accessed via SparkMap

Self-Reported Data

The Community Health Survey, the primary method of identifying significant needs based on community input, showed distinct issues regarding health-related needs, health services and social/support resources in the community. Full survey responses can be found in Appendix 6. Figure SR1 shows the demographics of survey respondents.

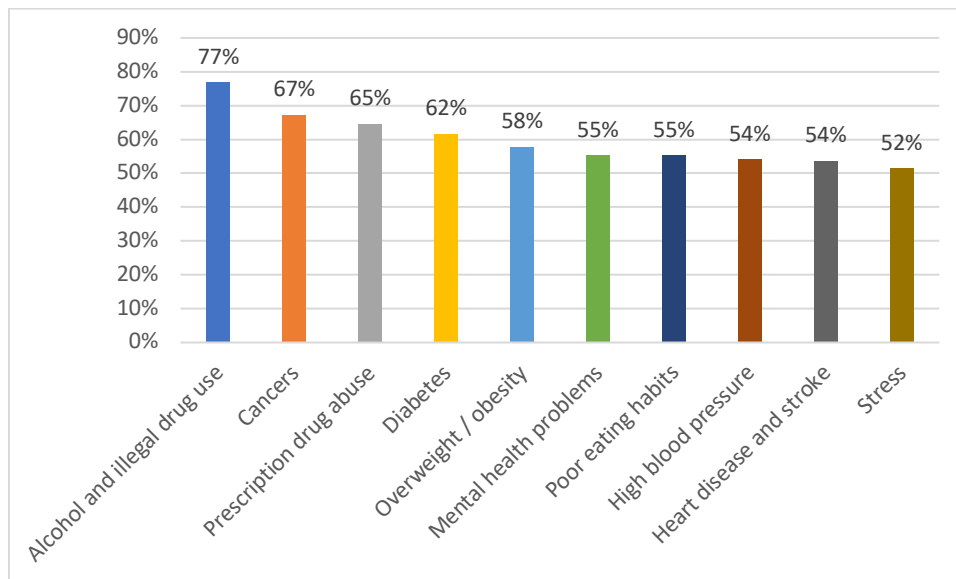
Figure SR1. Tazewell County Survey Respondent Demographics



When asked “What do you think are the most important issues impacting health in our community?”, the community indicated alcohol and illegal drug use as the top concern, followed by cancer, drug abuse, chronic diseases, lack of exercise, poor eating habits and stress. While many of these issues have come out as top needs in previous assessments, the stories behind them are uniquely impacted by COVID-19 for the 2021 TCCHA. Major changes in nearly every aspect of life shook the world starting in 2020 and upended things like economics, lifestyle, health and safety. Figure SR2 shows the top 10 issues impacting health in the community according to the survey.

When analyzing responses based on income level, distinct differences were revealed between respondents with lower income (\$40,000 or below) and respondents with higher income (above \$70,000). Access to affordable housing and COVID-19 were both top concerns among lower income respondents significantly more than higher income respondents, while lack of exercise was a top concern among higher income respondents.

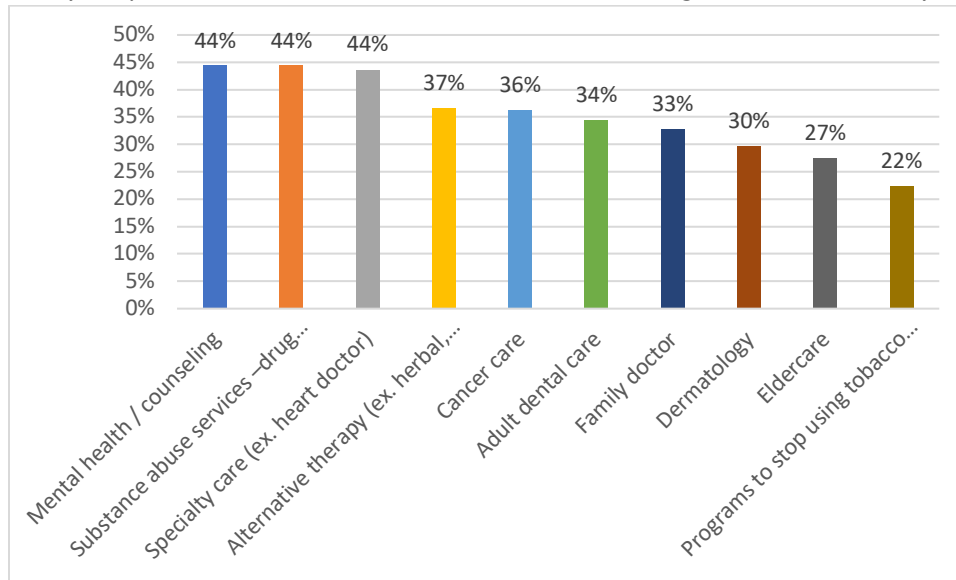
Figure SR2. Survey Responses: What do you think are the most important issues impacting health in our community?



When asked “Which health care services are hard to get in our community?”, the top responses also included services related to mental health and substance abuse, specialty care, alternative therapy, dental care, family doctor and other specialized services such as cancer care, dermatology and eldercare. Figure SR3 shows the top 10 health care services hard to get in the community according to the survey.

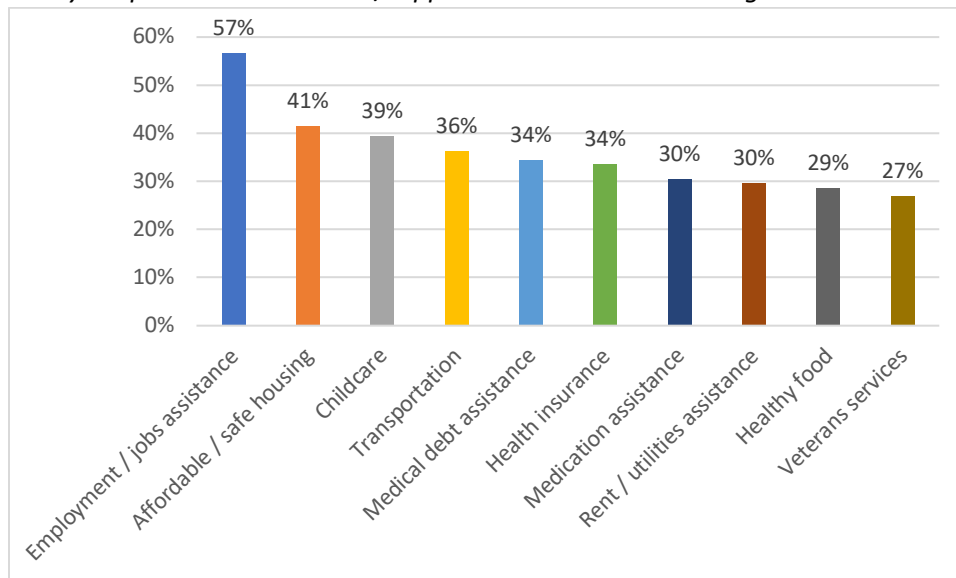
Adult dental care, while indicated as a difficult health service to access across all income levels, was significantly higher in low-income groups. While domestic violence services were not indicated as difficult to get across all survey respondents, low-income respondents indicated difficulty with domestic violence services at a significantly higher rate than high-income respondents.

Figure SR3. Survey Responses: Which healthcare services are hard to get in our community?



When asked “Which social/support resources are hard to get in our community?”, employment/jobs assistance was the top response. Additional resources in the top 10 included affordable/safe housing, childcare, transportation and those related to the cost/affordability of health care and other social determinants of health. Figure SR4 shows the top 10 social/support resources hard to get in the community according to the survey.

Figure SR4. Survey Responses: Which social/support resources are hard to get in our community?



The survey included questions as indicators of connectedness. In Tazewell County, 16% of respondents report feeling not connected with the community and those around them, while 24% feel very connected and the remainder feel somewhat connected.

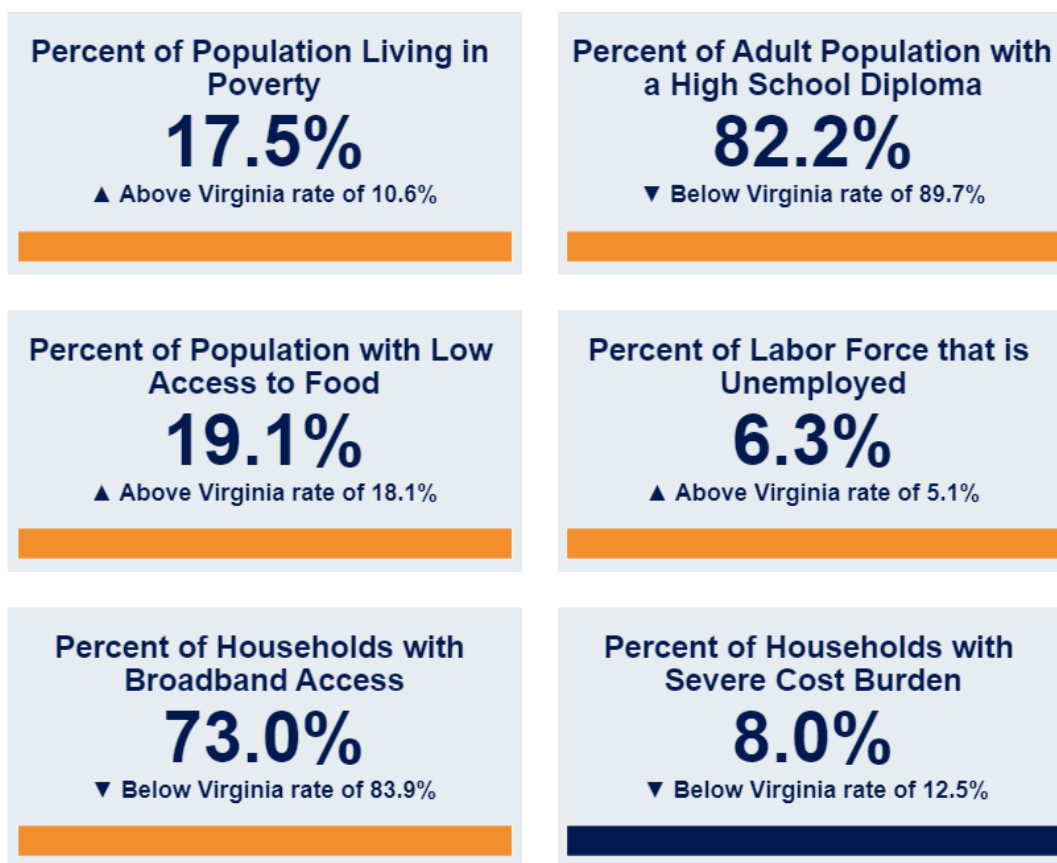
Self-reported data from stakeholders supported similar concerns as those of the community. The most important issues were substance use and lack of associated resources, followed by access to care and mental health. Transportation was also a top issue raised by stakeholders.

Equity

Equity is an increasingly important lens through which to view health issues. The VDH's Equity at a Glance Dashboard provides a scorecard that highlights income and poverty, educational attainment, food access, unemployment, broadband access and housing insecurity by locality in comparison to Virginia⁴⁰. See Figure E1 for Tazewell County's scorecard.

Figure E1. Virginia Department of Health Equity at a Glance Locality Scorecard Data
Orange indicates value worse than Virginia overall.

Tazewell Compared to Virginia



Data Source: Virginia Department of Health Equity at a Glance Locality Scorecard

Tazewell County is worse than the Virginia average in five of the six scorecard categories. Poverty, education and broadband access have more substantial differences when compared to Virginia, with 7% higher poverty, 7.5% lower percentage of adults with a high school diploma, and 10% fewer households with broadband access⁴¹.

⁴⁰ <https://www.vdh.virginia.gov/equity-at-a-glance/locality-scorecard/>

⁴¹ <https://www.vdh.virginia.gov/equity-at-a-glance/locality/broadband/>

Appendices

Appendix 1: Gantt Chart

| Tasks: | Assigned To: | Start Date | End Date |
|---|--|------------------|------------------|
| 2021 Tazewell County Area CHA | | 06-01 Mon | 01-01 Sat |
| CHA Planning | Amy & Molly (Aaron & Shirley) | 06-01 Mon | 10-01 Thu |
| CHA Process | Molly & CHO Staff | 09-01 Tue | 08-01 Sun |
| CHA Data Collection | Molly & CHO Staff | 10-01 Thu | 01-31 Sun |
| CHAT Meeting #1 (10/6/20) | Molly, Aaron, Karen & Partners | 10-01 Thu | 10-06 Thu |
| CHAT Meeting #2 (12/3/20) | Molly, Aaron, Karen & Partners | 12-01 Tue | 12-03 Thu |
| Data Coding, Organization, Prep. and Visualization | Molly | 11-01 Sun | 03-01 Mon |
| CHAT Meeting #3 (3/4/21) | Molly, Aaron, Karen & Partners | 03-01 Mon | 03-04 Thu |
| CHAT Meeting #4 (5/6/21) | Molly, Aaron, Karen & Partners | 05-01 Sat | 05-06 Thu |
| CHA Reports | Molly & CHO Staff | 04-01 Thu | 07-01 Thu |
| CHA Hospital Board Approvals | Molly (Shirley, Aaron) | 07-01 Thu | 08-30 Mon |
| CHA Results Community Communications and Community Recommendations | Molly, Aaron, Karen & Partners (PR) | 08-01 Sun | 01-30 Sun |
| Carilion Clinic-wide CHIP Planning | Shirley with White Paper Team | 07-01 Wed | 08-01 Sun |
| Implementation Strategy Planning | Molly & CHO Staff (Shirley & White Paper Team) | 10-01 Thu | 08-01 Sun |
| Implementation Strategy Reports (6) | Molly & Aaron & CHO Staff | 05-01 Sat | 09-01 Wed |
| Implementation Strategy Report Hospital Administrator Approval (on behalf of Boards) | Molly (Shirley, Aaron) | 09-01 Wed | 10-01 Fri |
| Hospital Boards Ratify Implementation Strategy Approval | Molly (Shirley, Aaron) | 10-01 Fri | 11-30 Tue |
| Community Coalitions Planning (as a result of CHAs) | Carilion Clinic / FOCUS | 07-01 Thu | 07-01 Fri |
| CB Teams (or hospitals operations teams) and CHO Action Planning (resulting from Implementation Strategies) | Molly & Amy & CHO Staff & CB Teams (Hospital Administrators, Shirley, Aaron) | 08-01 Sun | 10-01 Fri |
| First Hospital Board Implementation Strategy Update | Molly & Aaron & CHO Staff | 01-01 Sat | 01-31 Mon |

Appendix 2: Community Health Survey

FOR OFFICE USE ONLY: Site of Collection: _____ Date: _____

Carilion Clinic, in partnership with the Cumberland Plateau Health District, is working with leaders in the area to learn more about your health care needs. Please answer the following questions with the best answer or answers. All surveys will be kept confidential. Thank you for taking the time to complete this survey. Surveys can be mailed to Carilion Clinic Community Health and Outreach, 1202 3rd Street SW, Roanoke, VA 24016. You must be over 18 to complete this survey. **Please complete this survey only once.**

TAZEWELL COUNTY COMMUNITY HEALTH SURVEY

HEALTH OF THE COMMUNITY

1. Where do you live?

- Tazewell County Other: _____

2. What do you think are the **most important issues** that affect health in our community? (*Please check all that apply*)

Health Factors

- | | | |
|--|---|--|
| <input type="checkbox"/> Access to affordable housing | <input type="checkbox"/> Environmental health (e.g. water quality, air quality, pesticides, etc.) | <input type="checkbox"/> Not using seat belts / child safety seats / helmets |
| <input type="checkbox"/> Access to healthy foods | <input type="checkbox"/> Gang activity | <input type="checkbox"/> Poor eating habits |
| <input type="checkbox"/> Accidents in the home (e.g. falls, burns, cuts) | <input type="checkbox"/> Homicide | <input type="checkbox"/> Prescription drug abuse |
| <input type="checkbox"/> Alcohol and illegal drug use | <input type="checkbox"/> Housing problems (e.g. mold, bed bugs, lead paint) | <input type="checkbox"/> Sexual assault |
| <input type="checkbox"/> Aging problems | <input type="checkbox"/> Injuries | <input type="checkbox"/> Social isolation |
| <input type="checkbox"/> Bullying | <input type="checkbox"/> Lack of exercise | <input type="checkbox"/> Transportation problems |
| <input type="checkbox"/> Cell phone use / texting and driving / distracted driving | <input type="checkbox"/> Neighborhood safety | <input type="checkbox"/> Tobacco use / smoking / vaping |
| <input type="checkbox"/> Child abuse / neglect | <input type="checkbox"/> Not getting "shots" to prevent disease | <input type="checkbox"/> Unsafe sex |
| <input type="checkbox"/> Domestic violence | | <input type="checkbox"/> Other: _____ |

Health Conditions or Outcomes

- | | | |
|---|---|--|
| <input type="checkbox"/> Cancers | <input type="checkbox"/> High blood pressure | <input type="checkbox"/> Stress |
| <input type="checkbox"/> COVID-19 / coronavirus | <input type="checkbox"/> HIV / AIDS | <input type="checkbox"/> Suicide |
| <input type="checkbox"/> Dental problems | <input type="checkbox"/> Infant death | <input type="checkbox"/> Teenage pregnancy |
| <input type="checkbox"/> Diabetes | <input type="checkbox"/> Lung disease | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Grief | <input type="checkbox"/> Mental health problems | |
| <input type="checkbox"/> Heart disease and stroke | <input type="checkbox"/> Overweight / obesity | |

3. Which health care services are hard to get in our community? (*Check all that apply*)

- | | | |
|--|---|---|
| <input type="checkbox"/> Adult dental care | <input type="checkbox"/> Family planning / birth control | <input type="checkbox"/> Urgent care / walk in clinic |
| <input type="checkbox"/> Alternative therapy (e.g. herbal, acupuncture, massage) | <input type="checkbox"/> Immunizations | <input type="checkbox"/> Vision care |
| <input type="checkbox"/> Ambulance services | <input type="checkbox"/> Inpatient hospital | <input type="checkbox"/> Women's health services |
| <input type="checkbox"/> Cancer care | <input type="checkbox"/> Lab work | <input type="checkbox"/> X-rays / mammograms |
| <input type="checkbox"/> Child dental care | <input type="checkbox"/> Medication / medical supplies | <input type="checkbox"/> None |
| <input type="checkbox"/> Chiropractic care | <input type="checkbox"/> Mental health / counseling | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Dermatology | <input type="checkbox"/> Physical therapy | |
| <input type="checkbox"/> Domestic violence services | <input type="checkbox"/> Preventive care (e.g. yearly check-ups) | |
| <input type="checkbox"/> Eldercare | <input type="checkbox"/> Programs to stop using tobacco products | |
| <input type="checkbox"/> Emergency room care | <input type="checkbox"/> Specialty care (e.g. heart doctor) | |
| <input type="checkbox"/> End of life / hospice / palliative care | <input type="checkbox"/> Substance abuse services –drug and alcohol | |
| <input type="checkbox"/> Family doctor | | |

4. Which social / support resources are hard to get in our community? (*Check all that apply*)

- | | | |
|---|--|---|
| <input type="checkbox"/> Affordable / safe housing | <input type="checkbox"/> Health insurance | <input type="checkbox"/> TANF (Temporary Assistance for Needy Families) |
| <input type="checkbox"/> Banking / financial assistance | <input type="checkbox"/> Healthy food | <input type="checkbox"/> Transportation |
| <input type="checkbox"/> Domestic violence assistance | <input type="checkbox"/> Legal services | <input type="checkbox"/> Translation assistance |
| <input type="checkbox"/> Childcare | <input type="checkbox"/> Medication assistance | <input type="checkbox"/> Unemployment benefits |
| <input type="checkbox"/> Education and literacy | <input type="checkbox"/> Medical debt assistance | <input type="checkbox"/> Veterans services |
| <input type="checkbox"/> Employment / jobs assistance | <input type="checkbox"/> Rent / utilities assistance | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Food benefits (SNAP, WIC) | | |

GENERAL HEALTH QUESTIONS

5. What keeps you from being healthy? (Check all that apply)

- | | | |
|--|---|--|
| <input type="checkbox"/> Afraid to have check-ups | <input type="checkbox"/> Don't like accepting government assistance | <input type="checkbox"/> Language services |
| <input type="checkbox"/> Can't find providers that accept my insurance | <input type="checkbox"/> Don't trust doctors / clinics | <input type="checkbox"/> Location of offices |
| <input type="checkbox"/> Childcare | <input type="checkbox"/> Have no regular source of healthcare | <input type="checkbox"/> Long waits for appointments |
| <input type="checkbox"/> Cost | <input type="checkbox"/> High co-pay | <input type="checkbox"/> No health insurance |
| <input type="checkbox"/> Don't know what types of services are available | <input type="checkbox"/> Lack of evening and weekend services | <input type="checkbox"/> No transportation |
| | | <input type="checkbox"/> Nothing keeps me from being healthy |
| | | <input type="checkbox"/> Other: _____ |

6. Do you use medical care services? Yes No

- **If yes, where do you go for medical care? (Check all that apply)**
- **If no, go to Question 7.**

- | | | |
|---|---|---------------------------------------|
| <input type="checkbox"/> Doctor's Office | <input type="checkbox"/> Free Clinic | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Emergency Room | <input type="checkbox"/> Health Department | |
| <input type="checkbox"/> Federally Qualified Health Center (e.g. Tazewell Community Health) | <input type="checkbox"/> Online / Telehealth / Virtual Visits | |
| | <input type="checkbox"/> Salem VA Medical Center | |
| | <input type="checkbox"/> Urgent Care / Walk in Clinic | |

7. How long has it been since you last visited a doctor or other healthcare provider for a routine checkup? (Please check one)

- | | |
|---|--|
| <input type="checkbox"/> Within the past year (1 to 12 months ago) | <input type="checkbox"/> 5 or more years ago |
| <input type="checkbox"/> Within the past 2 years (1 to 2 years ago) | <input type="checkbox"/> I have never visited a doctor or other healthcare provider for a routine checkup. |
| <input type="checkbox"/> Within the past 5 years (2 to 5 years ago) | |

8. Do you use dental care services? Yes No

- **If yes, where do you go for dental care? (Check all that apply)**
- **If no, go to Question 9.**

- | | | |
|---|---|---|
| <input type="checkbox"/> Dentist's Office | <input type="checkbox"/> Federally Qualified Health Center (e.g. Tazewell Community Health) | <input type="checkbox"/> Salem VA Medical Center |
| <input type="checkbox"/> Emergency Room | <input type="checkbox"/> Free Clinic | <input type="checkbox"/> Urgent Care / Walk in Clinic |
| | | <input type="checkbox"/> Other: _____ |

9. How long has it been since you last visited a dentist or a dental clinic for any reason? Include visits to dental specialists, such as orthodontists. (Please check one)

- | | |
|---|--|
| <input type="checkbox"/> Within the past year (1 to 12 months ago) | <input type="checkbox"/> 5 or more years ago |
| <input type="checkbox"/> Within the past 2 years (1 to 2 years ago) | <input type="checkbox"/> I have never visited a dentist or dental clinic for any reason. |
| <input type="checkbox"/> Within the past 5 years (2 to 5 years ago) | |

10. Do you use mental health, alcohol abuse, or drug abuse services? Yes No

- **If yes, where do you go for mental health, alcohol abuse, or drug abuse services? (Check all that apply)**
- **If no, go to Question 11.**

- | | | |
|---|---|---------------------------------------|
| <input type="checkbox"/> Doctor/Counselor's Office | <input type="checkbox"/> Free Clinic | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Emergency Room | <input type="checkbox"/> Online / Telehealth / Virtual Visits | |
| <input type="checkbox"/> Federally Qualified Health Center (e.g. Tazewell Community Health) | <input type="checkbox"/> Salem VA Medical Center | |
| | <input type="checkbox"/> Urgent Care / Walk in Clinic | |

11. How long has it been since you last used mental health, alcohol abuse, or drug abuse services for any reason? (Please check one)

- | | |
|---|---|
| <input type="checkbox"/> Within the past year (1 to 12 months ago) | <input type="checkbox"/> 5 or more years ago |
| <input type="checkbox"/> Within the past 2 years (1 to 2 years ago) | <input type="checkbox"/> I have never used mental health, alcohol abuse, or drug abuse services for any reason. |
| <input type="checkbox"/> Within the past 5 years (2 to 5 years ago) | |

12. Have you been told by a doctor that you have... (Check all that apply)

- | | | |
|--|---|---|
| <input type="checkbox"/> Asthma | <input type="checkbox"/> Drug or alcohol problems | <input type="checkbox"/> Mental health problems |
| <input type="checkbox"/> Cancer | <input type="checkbox"/> Heart disease | <input type="checkbox"/> Obesity / overweight |
| <input type="checkbox"/> Cerebral palsy | <input type="checkbox"/> High blood pressure | <input type="checkbox"/> Stroke / cerebrovascular disease |
| <input type="checkbox"/> COPD / chronic bronchitis / emphysema | <input type="checkbox"/> High blood sugar or diabetes | <input type="checkbox"/> I have no health problems |
| <input type="checkbox"/> Depression or anxiety | <input type="checkbox"/> High cholesterol | <input type="checkbox"/> Other: _____ |
| | <input type="checkbox"/> HIV / AIDS | |

13. Thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good? _____ Days

14. Thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good? _____ Days

15. During the past 30 days: *(Check all that apply)*

- I have had 5 or more alcoholic drinks (if male) or 4 or more alcoholic drinks (if female) during one occasion.
- I have used tobacco products (cigarettes, smokeless tobacco, e-cigarettes, etc.)
- I have taken prescription drugs to get high
- I have used marijuana
- I have used other illegal drugs (e.g. meth, cocaine, heroin, ecstasy, crack, LSD, etc.)
- None of these

| 16. Please check one of the following for each statement | Yes | No | Not applicable |
|--|--------------------------|--------------------------|--------------------------|
| I have been to the emergency room in the past 12 months. | <input type="checkbox"/> | <input type="checkbox"/> | |
| I have been to the emergency room for <u>an injury</u> in the past 12 months (e.g. motor vehicle crash, fall, poisoning, burn, cut, etc.). | <input type="checkbox"/> | <input type="checkbox"/> | |
| I have been a victim of domestic violence or abuse in the past 12 months. | <input type="checkbox"/> | <input type="checkbox"/> | |
| I take the medicine my doctor tells me to take to control my chronic illness. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| I can afford medicine needed for my health conditions. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Does your community support physical activity? (e.g. parks, sidewalks, bike lanes, etc.) | <input type="checkbox"/> | <input type="checkbox"/> | |
| In the area that you live, is it easy to get affordable fresh fruits and vegetables? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Have there been times in the past 12 months when you did not have enough money to buy the food that you or your family needed? | <input type="checkbox"/> | <input type="checkbox"/> | |
| Have there been times in the past 12 months when you did not have enough money to pay your rent or mortgage? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Do you feel safe where you live? | <input type="checkbox"/> | <input type="checkbox"/> | |

17. Where do you get the food that you eat at home? *(Check all that apply)*

- Back-pack or summer food programs
- Community garden
- Corner store / convenience store / gas station
- Dollar store
- Farmers' market
- Food bank / food kitchen / food pantry
- Grocery store
- Home garden
- I do not eat at home
- I regularly receive food from family, friends, neighbors, or my church
- Meals on Wheels
- Take-out / fast food / restaurant
- Other: _____

18. During the past 7 days, how many times did you eat fruit or vegetables? Do not count fruit or vegetable juice. *(Please check one)*

- I did not eat fruits or vegetables during the past 7 days
- 1 – 3 times during the past 7 days
- 4 – 6 times during the past 7 days
- 1 time per day
- 2 times per day
- 3 times per day
- 4 or more times per day

19. How connected do you feel with the community and those around you?

- Very connected
- Somewhat connected
- Not connected

20. In the past 7 days, on how many days were you physically active for a total of at least 30 minutes? (Add up all the time you spent in any kind of physical activity that increased your heart rate and made you breathe hard for some of the time.)

- 0 days
- 1 day
- 2 days
- 3 days
- 4 days
- 5 days
- 6 days
- 7 days

21. During the past 7 days, how many times did all, or most, of your family living in your house eat a meal together?

- Never
- 1-2 times
- 3-4 times
- 5-6 times
- 7 times
- More than 7 times
- Not applicable / I live alone

22. Do you have access to reliable transportation?

- Yes
- No

23. What type of transportation do you typically use?

- I drive
- Bike or walk
- Friends / family drive me
- Public transit (i.e. bus, shuttle, similar)
- RADAR / CORTAN
- Taxi (including Uber/Lyft)
- Ridesharing / Carpooling
- Other: _____

DEMOGRAPHIC INFORMATION and HEALTH INSURANCE

24. Which of the following describes your current type of health insurance? (Check all that apply)

- | | | |
|--|---|--|
| <input type="checkbox"/> COBRA | <input type="checkbox"/> Health Savings / Spending Account | <input type="checkbox"/> Medicare |
| <input type="checkbox"/> Dental Insurance | <input type="checkbox"/> Individual / Private Insurance / Marketplace / Obamacare | <input type="checkbox"/> Medicare Supplement |
| <input type="checkbox"/> Employer Provided Insurance | <input type="checkbox"/> Medicaid | <input type="checkbox"/> No Dental Insurance |
| <input type="checkbox"/> Government (VA, Campus) | | <input type="checkbox"/> No Health Insurance |

25. If you have no health insurance, why don't you have insurance? (Check all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Not applicable- I have health insurance | <input type="checkbox"/> Too expensive / cost |
| <input type="checkbox"/> I don't understand Marketplace / Obamacare options | <input type="checkbox"/> Unemployed / no job |
| <input type="checkbox"/> Not available at my job | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Student | |

26. What is your ZIP code? _____

27. What is your age? _____

28. What is your gender identity? Male Female In your own words _____

29. What is your height? _____

30. What is your weight? _____

31. How many people live in your home (including yourself)?

| | |
|--|-------|
| Number of children (0 – 17 years of age) | _____ |
| Number of adults age 18 – 64 | _____ |
| Number of adults age 65 or older | _____ |

32. What is your highest education level completed?

- Less than high school Some high school High school diploma / GED Associates Bachelors Masters / PhD

33. What is your primary language? English Spanish Other _____

34. What ethnicity do you identify with? (Check all that apply)

- | | | | |
|---|---------------------------------|---|--|
| <input type="checkbox"/> Native Hawaiian / Pacific Islander | <input type="checkbox"/> Asian | <input type="checkbox"/> Black / African American | <input type="checkbox"/> White |
| <input type="checkbox"/> American Indian / Alaskan Native | <input type="checkbox"/> Latino | <input type="checkbox"/> More than one race | <input type="checkbox"/> Decline to answer <input type="checkbox"/> Other: |

35. What is your marital status? Married Single Divorced Widowed Domestic Partnership

36. What is your yearly household income?

- | | | | | |
|--|--|---|--|--|
| <input type="checkbox"/> \$0 – \$10,000 | <input type="checkbox"/> \$10,001 – \$20,000 | <input type="checkbox"/> \$20,001 – \$30,000 | <input type="checkbox"/> \$30,001 – \$40,000 | <input type="checkbox"/> \$40,001 – \$50,000 |
| <input type="checkbox"/> \$50,001 – \$60,000 | <input type="checkbox"/> \$60,001 – \$70,000 | <input type="checkbox"/> \$70,001 – \$100,000 | <input type="checkbox"/> \$100,001 and above | |

37. What is your current employment status?

- Full-time Part-time Unemployed Self-employed Retired Homemaker Student

38. Is there anything else we should know about your (or someone living in your home) health care needs in Tazewell County?

Thanks for helping make Tazewell County a healthier place to live, work, and play!

Appendix 3: Stakeholder Survey and Data Summary

2021 Community Health Assessment Stakeholder Survey

Survey available in online format only via: <https://www.surveymonkey.com/r/2021Stakeholder>

1. Please select the community you and/or your organization represent:

- a. The Roanoke Valley
- b. The Rockbridge Area
- c. Giles County/Monroe County
- d. New River Valley
- e. Franklin County/Henry County
- f. Tazewell County

2. Your name, organization, and title:

NAME: _____

ORGANIZATION: _____

TITLE: _____

3. What are the most important issues (needs) that impact health in the service area?

4. What are the barriers to health for the populations you serve?

5. Is there one locality / neighborhood with the greatest unmet need? If so, why?

6. Is there one population group with the greatest unmet need? If so, why?

7. What are the resources for health for the populations you serve?

8. If we could make one change as a community to meet the needs and reduce the barriers to health in the service area, what would that be?

Thank you for your input!

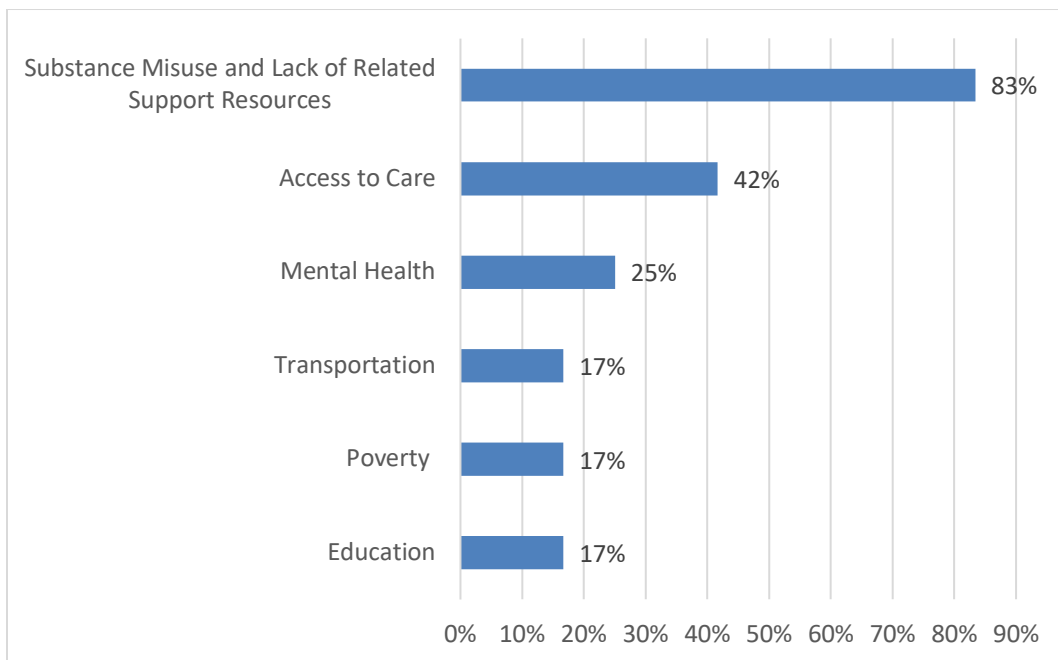
Stakeholder Survey Results Overview

Tazewell County Community Health Assessment Team (CHAT) members completed a stakeholder survey following discussion of needs, barriers, resources, and initiatives impacting health of the community. Additionally, a focus group was held with the Carilion Tazewell Community Hospital Board of Directors. The results below include the CHAT survey results and responses discussed with the hospital Board.

What are the most important issues (needs) that impact health in your community?

Top themes

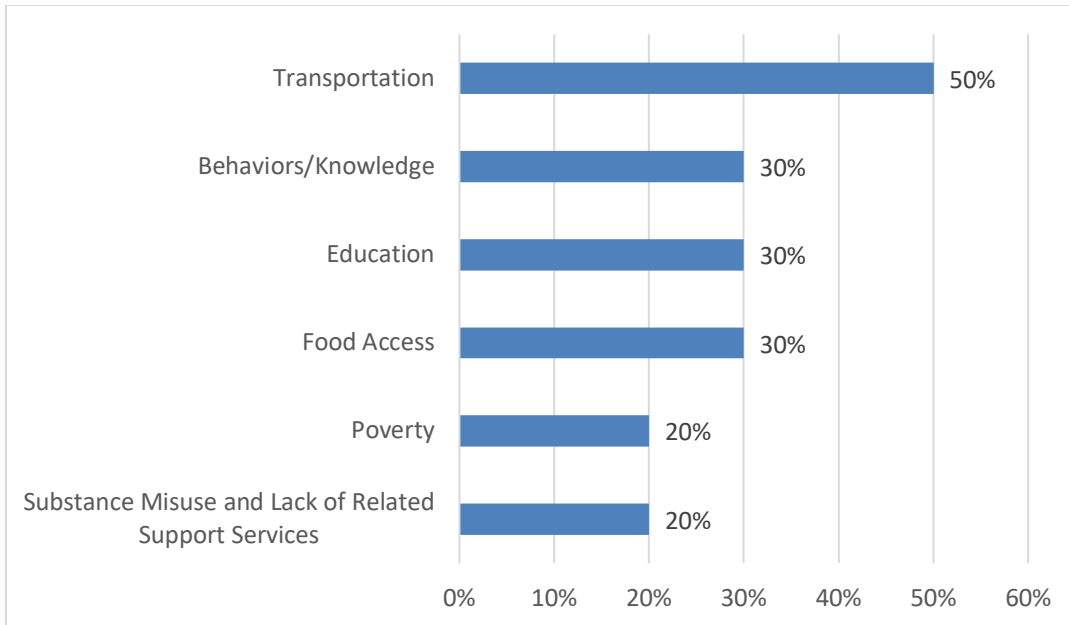
Respondents: 12



What are the barriers to health for the populations you serve?

Top themes

Respondents: 10



Is there one locality/neighborhood with the greatest unmet need?

Responses

Respondents: 6

- more rural
- It is a community issue and regional issue
- not one - in general small remote communities
- The people with mental health issues.
- No
- All over this county

Is there one population group with the greatest unmet need?

Responses

Respondents: 6

- Substance Abuse Recovery Transitional Housing
- Not a particular group but it is more than 70% of the population
- People who misuse/abuse drugs
- People not making a living wage (low income)
- People with hep C
- Mental health needs. There needs to be more resources to accomplish support for these people.
- Lower socioeconomic class
- People on disability

What are the resources for health for the populations you serve?

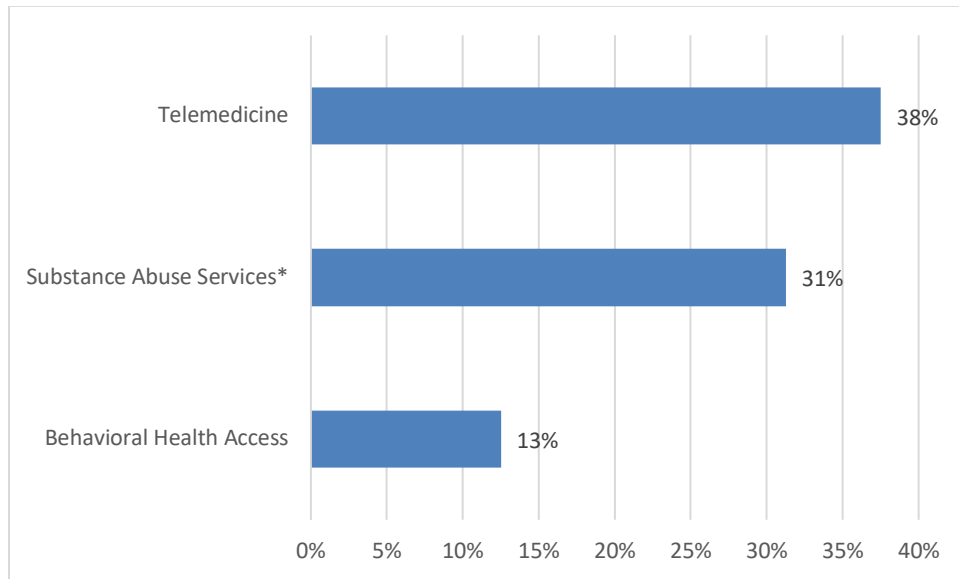
Respondents: 6

- A Child Shall Lead Them (food pantry)
- Appalachian Substance Abuse Coalition (ASAC)
- Clinch Valley Community Action
- Community programs
- Cumberland Mountain Community Services Board
- Faith communities
- Food distribution
- Health clinics
- Health fairs
- Local churches with support groups
- Mountain Movers
- Non-profit organizations
- Outdoor and recreational opportunities
- Scholarship
- School programs
- State/local agencies
- Union Mission

**If we could make one change as a community to meet the needs and reduce the barriers to health,
what would that be?**

Top themes

Respondents: 16



*Substance Abuse Services includes inpatient, outpatient, transitional housing, and peer support services.

Other mentions: broadband, resource communication, wraparound services, jobs, transportation, food, health wagon to take care out in the communit

Appendix 4: Prioritization Worksheet

Community Health Assessment Prioritization

Please rank from 1-10 the top 10 most pertinent community needs with 1 being the most pertinent.

| Rank | Community Issue |
|---|--|
| Health Behavior Factors | |
| | Alcohol and drug use |
| | Culture: healthy behaviors not a priority |
| | Lack of exercise |
| | Lack of health literacy / lack of knowledge of healthy behaviors |
| | Lack of knowledge of community resources |
| | Poor diet / poor eating habits |
| | Risky sexual activity |
| | Tobacco use |
| | Access to healthy foods |
| | Stress |
| Clinical Care Factors | |
| | Access to primary care |
| | Access to dental care |
| | Access to mental / behavioral health services |
| | Access to specialty care (general) |
| | Access to substance use services |
| | Communication barriers with providers |
| | Coordination of care |
| | High cost of care |
| | High uninsured / underinsured population |
| | Quality of care |
| Social and Economic Health Factors | |
| | Child abuse / neglect |
| | Community safety / violence |
| | Domestic violence |
| | Educational attainment |
| | Lack of family / social support systems |
| | Poverty / low average household income |
| | Unemployment |

| Physical Environment Factors | |
|------------------------------|--|
| | Air quality |
| | Affordable / safe housing |
| | Injury prevention / safety of environment |
| | Outdoor recreation |
| | Transportation / transit system |
| | Water quality |
| Health Conditions / Outcomes | |
| | COVID-19 |
| | Overweight / Obesity |
| | Mental health problems |
| | Cancers |
| | Diabetes |
| | High Blood Pressure |
| | Heart Disease and Stroke |
| | High prevalence of chronic disease (general) |
| Write-in section | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Appendix 5: Resource List

Community Resources listed by Stakeholders in the spring of 2021 are listed below. Please note that information may have changed since the collection date.

An additional list organized by type of resource provided by Bluefield State College and Virginia 2-1-1 can be viewed below or online via: <https://bluefieldstate.edu/sites/default/files/Tazewell-Countyresources.pdf>. Please note this list was compiled in January of 2015 and contact information may have changed.

Community members can also learn more about available resources by calling 2-1-1 or going online to <https://www.211virginia.org/consumer/index.php>. 2-1-1 is a free service available to help callers find appropriate resources in their local area.

Community Resources Listed by Stakeholders

- A Child Shall Lead Them (food pantry)
- Appalachian Substance Abuse Coalition (ASAC)
- Clinch Valley Community Action
- Community programs
- Cumberland Mountain Community Services Board
- Faith communities
- Food distribution
- Health clinics
- Health fairs
- Local churches with support groups
- Mountain Movers
- Non-profit organizations
- Outdoor and recreational opportunities
- Scholarship
- School programs
- State/local agencies
- Union Mission

Community Resources Courtesy of Bluefield State College and Virginia 2-1-1



**Guide to Community Resources
Tazewell County**

AIDS/HIV/STD

AIDS Hotline 800-533-4148
 Appalachian Assistance Coalition 276-781-0500
 Drop-In Center 540-982-2437
 Tazewell County Health Dept. 276-988-5585

CLOTHING

Bland Ministry Center & Dental Clinic 276-688-4701
 Bluefield Union Mission 304-327-8167
 Center for Christian Action 276-945-5355
 Labor of Love Mission 276-988-3704

COUNSELING – MENTAL HEALTH

Carilion Clinic:
 Christiansburg 540-731-2000
 Roanoke 540-981-8181
 Clinch Valley Community Action 276-988-5583
 Creative Family Solutions 276-628-4385
 Cumberland Mountain Community Services:
 Cedar Bluff 276-964-6702
 Lebanon 276-988-3785
 Tazewell 276-988-7961
 Russell County Medical Center 276-883-8000
 Salem VA Medical Center 540-982-2463
 Tazewell Community Health 276-979-9899
 Thompson Health Center 276-597-7081
 VA Wounded Warrior Program 540-443-7527
 Wellmont Health System 423-844-6000

COUNSELING – SUBSTANCE ABUSE

Carilion Clinic:
 Christiansburg 540-731-2000
 Roanoke 540-981-8181
 Cumberland Mountain Community Services:
 Cedar Bluff 276-964-6702
 Tazewell 276-988-7961
 HIS Ministries 276-523-7447

CRISIS

Adult Protective Services 276-988-8500
 Richmond 888-832-3858
 Carilion Clinic 540-981-8181
 Child Protective Services 276-988-8500
 Richmond 800-552-7096
 Child Sexual Abuse Helpline 703-527-6603
 Clinch Valley Community Action 276-988-5583
 Creative Family Solutions 276-628-4385
 Crisis Center 276-466-2218
 Crisis Line VA 423-288-1828
 Cumberland Mountain Community Services 276-964-6702
 Family Resource Center 800-613-6145
 National Domestic Violence Hotline 800-799-7233
 National Suicide Prevention Lifeline 800-273-8255
 Salem VA Medical Center 540-982-2463
 Sexual Assault Response Program 276-466-2218
 VA Dept. of Veterans Services 540-443-7527
 Wellmont Health System 423-844-6000

DENTAL

American Cancer Society 540-774-2716
 Appalachian Assistance Coalition 276-781-0500
 Bland Ministry Center & Dental Clinic 276-688-4711
 Center for Christian Action 276-945-5355
 Salem VA Medical Center 540-982-2463
 SWVA Regional Dental Center 276-496-4433
 Tazewell County Health Dept. 276-988-5585

DISABILITIES

Associated Hearing & Diagnostics 276-964-7465
 Bristol Regional Speech & Hearing Center 276-669-6331
 Center for Christian Action 276-945-5355
 Clinch Independent Living Grundy 276-935-6088
 Tazewell 276-988-0503
 Cumberland Services 276-964-0377
 FREE 540-777-4929
 Lebanon Speech & Hearing Center 276-889-1389
 VA Dept. for Blind & Vision Impaired 276-371-3140
 VA Dept. for Deaf & Hard of Hearing 276-935-6088

Voice of the Blue Ridge 540-985-8900

EMPLOYMENT

Bluestone Workforce Center 276-322-2023
 Center for Christian Action 276-945-5355
 Clinch Valley Community Action 276-988-5583
 Cumberland Services 276-964-0377
 VA Dept. for Aging & Rehabilitation:
 Abingdon 276-676-5565
 Pounding Mill 276-963-1028
 VA Dept. for Blind & Vision Impaired 276-946-0377
 VA Employment Commission 276-964-4007

EYE CARE/GLASSES

Eye Care America 877-887-6327
 New Eyes for the Needy 973-376-4903
 Salem VA Medical Center 540-982-2463
 Vision USA 800-766-4466

FAMILY PLANNING/PREGNANCY/BABY ITEMS

Abel Pregnancy Resource Center 304-325-8694
 Carilion Clinic 540-266-6569
 Clinch Valley Medical Center 276-596-6000
 Commonwealth Catholic Charities 540-342-0411
 Tazewell County Health Dept. 276-988-5585

FINANCIAL COUNSELING

AARP Foundation 888-687-2277
 InCharge Debt Solutions 800-565-8953
 Merrill Lynch Wealth Management 434-485-8280
 Money Management International 866-490-9439
 National Foundation for Credit Counseling 800-388-2227

FOOD

Appalachian Agency for Senior Citizens 276-964-4915
 Bland Ministry Center & Dental Clinic 276-688-4701
 Bluefield Union Mission 304-327-8167
 Center for Christian Action 276-945-5355
 Clinch Valley Community Action 276-988-5583
 Good Samaritan Food Pantry 276-963-9197
 Harvest Home Community Kitchen 276-628-9266
 Labor of Love Mission 276-988-3704

Salvation Army Bluefield 304-327-7411
Tazewell County Social Services 276-988-8500

HEALTH - FREE CLINIC/HEALTH DEPT

Bland County Medical Clinic 276-688-4331
Health Care for Homeless
Veterans 540-982-2463
Reddy Tri-County Health Clinic 276-963-8505
Stone Mountain Health Services
Davenport 276-859-0859
Vansant 276-597-7081
Tazewell Community Health 276-979-9899
Tazewell County Health Dept. 276-988-5585

HEALTH - MEDICATION

American Cancer Society 276-739-7780
Appalachian Agency for Senior Citizens 276-964-4915
Appalachian Assistance
Coalition 276-781-0500
Bland County Medical Clinic 276-688-4331
CareConnect USA 800-291-1206
Center for Christian Action 276-945-5355
Clinch Valley Community Action 276-988-5583
Cumberland Mountain
Community Services 276-988-7961
FamilyWize Community Service
Partnership 800-222-2818
Labor of Love Mission 276-988-3704
Operation First Response 888-289-0280
Patient Access Network 866-316-7263
Pharmacy Connect of SWVA 276-523-4202
RxHope 877-276-0517
Stone Mountain Health Services
Vansant 276-597-7081
Tazewell Community Health 276-979-9899

HOUSING - AFFORDABLE

Clinch Valley Community Action 276-988-5583
Community Preservation & Development Corp. 540-962-4545
Cumberland Plateau Regional
Housing Authority 276-889-4910
VA Housing Search 877-428-8844

HOUSING - RENT

Bluefield Union Mission 304-327-8167
Center for Christian Action 276-945-5355
Clinch Valley Community Action 276-988-5583
National Call Center for Homeless
Veterans 800-827-1000

Salvation Army Bluefield 304-327-7411

HOUSING - UTILITY

Bluefield Union Mission 304-327-8167
Center for Christian Action 276-945-5355
Clinch Valley Community Action 276-988-5583
Salvation Army Bluefield 304-327-7411
Tazewell County Social Services 276-988-8500

LEGAL/LAW ENFORCEMENT

AMVETS 540-597-1703
Appalachian Agency for Senior Citizens 276-964-4915
Bluefield Police Department 276-326-2621
Cedar Bluff Police Department 276-963-3975
Pocahontas Police Department 276-945-5959
Richlands Police Department 276-964-9134
SWVA Legal Aid 276-762-9317
Tazewell County Commonwealth
Attorney 276-998-1240
Tazewell County Sheriff 276-988-5970
Tazewell Police Department 276-988-2501
VA Dept. of Labor & Industry 434-385-0806
VA State Police:
Area 28 Office 276-964-4477
Division Four HQ 276-228-3131

PARENTING

Abel Pregnancy Resource Center 304-325-8694
Clinch Valley Community Action 276-988-5583
DePaul Community Resources 276-963-2360
Tazewell County Health Dept. 276-988-5585

RETURNING CITIZENS

Clinch Valley Community Action 276-988-5583
Virginia CARES 276-623-9000
VA Dept. of Corrections 276-963-3092

SENIORS

AARP Foundation 888-687-2277
Appalachian Agency for Senior Citizens 276-964-4915
Pharmacy Connect of SWVA 276-523-4202
Salvation Army Bluefield 304-327-7411

SHELTER

Bluefield Union Mission 304-327-8167
Clinch Valley Community Action 276-988-5583
Family Resource Center 800-613-6145

SOCIAL SECURITY/SOCIAL SERVICES

Social Security Administration 800-772-1213
Tazewell County Social Services 276-988-8500

TRANSPORTATION

Appalachian Agency for Senior Citizens 276-963-7180
Graham Transit 276-322-4628
VA Dept. of Medical Assistance
Services 866-386-8331
VA Dept. of Transportation 800-367-7623

VETERANS/ACTIVE DUTY/FAMILIES

AMVETS 540-597-1703
Disabled American Veterans 877-426-2838
Iraq & Afghanistan Veterans of America 212-982-9699
National Call Center for Homeless Veterans 800-827-1000
National Suicide Prevention
Lifeline 800-273-8255,
Ext. 51
Operation First Response 888-289-0280
Salem VA Medical Center:
Roanoke 540-982-2463
Tazewell 276-988-2526
Wytheville 276-223-5400
VA Wounded Warrior Program 540-443-7527
Veterans Crisis Hotline 800-827-1000

January 2015

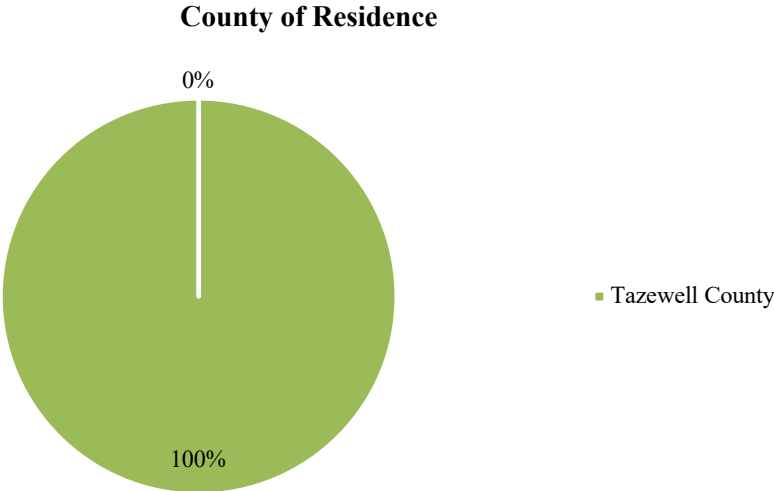
For additional resources, dial 2-1-1.



Appendix 6: Community Health Survey Results

County of Residence

| | # | % |
|-----------------|-----|---------|
| Tazewell County | 287 | 100.00% |
| Answered | 287 | |
| Skipped | 0 | |



What do you think are the most important issues that affect health in our community? (Check all that apply)

| | # | % |
|--|----------|--------|
| Alcohol and illegal drug use | 205 | 77.07% |
| Cancers | 179 | 67.29% |
| Prescription drug abuse | 172 | 64.66% |
| Diabetes | 164 | 61.65% |
| Overweight / obesity | 154 | 57.89% |
| Mental health problems | 147 | 55.26% |
| Poor eating habits | 147 | 55.26% |
| High blood pressure | 144 | 54.14% |
| Heart disease and stroke | 143 | 53.76% |
| Stress | 137 | 51.50% |
| Lack of exercise | 136 | 51.13% |
| Child abuse / neglect | 134 | 50.38% |
| Tobacco use / smoking / vaping | 130 | 48.87% |
| COVID-19 / Coronavirus | 126 | 47.37% |
| Access to affordable housing | 107 | 40.23% |
| Dental problems | 102 | 38.35% |
| Domestic violence | 102 | 38.35% |
| Access to healthy foods | 100 | 37.59% |
| Lung disease | 95 | 35.71% |
| Aging problems | 94 | 35.34% |
| Housing problems (e.g. mold, bed bugs, lead paint) | 84 | 31.58% |
| Transportation problems | 81 | 30.45% |
| Cell phone use / texting and driving / distracted driving | 78 | 29.32% |
| Social isolation | 71 | 26.69% |
| Suicide | 71 | 26.69% |
| Grief | 57 | 21.43% |
| Bullying | 55 | 20.68% |
| Teenage pregnancy | 47 | 17.67% |
| Sexual assault | 41 | 15.41% |
| Not getting “shots” to prevent disease | 35 | 13.16% |
| Not using seat belts / child safety seats / helmets | 34 | 12.78% |
| Accidents in the home (ex. falls, burns, cuts) | 33 | 12.41% |
| Unsafe sex | 33 | 12.41% |
| Environmental health (e.g. water quality, air quality, pesticides, etc.) | 30 | 11.28% |
| Neighborhood safety | 28 | 10.53% |
| Other (please specify) | 17 | 6.39% |
| HIV / AIDS | 16 | 6.02% |
| Infant death | 15 | 5.64% |
| Injuries | 13 | 4.89% |
| Homicide | 7 | 2.63% |
| Gang activity | 6 | 2.26% |
| | Answered | 266 |
| | Skipped | 21 |

Which health care services are hard to get in our community? (Check all that apply)

| | # | % |
|--|----------|--------|
| Mental health / counseling | 115 | 44.40% |
| Substance abuse services –drug and alcohol | 115 | 44.40% |
| Specialty care (ex. heart doctor) | 113 | 43.63% |
| Alternative therapy (ex. herbal, acupuncture, massage) | 95 | 36.68% |
| Cancer care | 94 | 36.29% |
| Adult dental care | 89 | 34.36% |
| Family doctor | 85 | 32.82% |
| Dermatology | 77 | 29.73% |
| Eldercare | 71 | 27.41% |
| Programs to stop using tobacco products | 58 | 22.39% |
| Vision care | 45 | 17.37% |
| Women’s health services | 45 | 17.37% |
| Medication / medical supplies | 43 | 16.60% |
| Domestic violence services | 37 | 14.29% |
| Child dental care | 34 | 13.13% |
| Inpatient hospital | 30 | 11.58% |
| Emergency room care | 29 | 11.20% |
| Ambulance services | 27 | 10.42% |
| Preventive care (ex. yearly check-ups) | 24 | 9.27% |
| Urgent care / walk in clinic | 24 | 9.27% |
| End of life / hospice / palliative care | 21 | 8.11% |
| X-rays / mammograms | 20 | 7.72% |
| Family planning / birth control | 16 | 6.18% |
| Lab work | 15 | 5.79% |
| Physical therapy | 13 | 5.02% |
| Chiropractic care | 10 | 3.86% |
| Other (please specify) | 10 | 3.86% |
| Immunizations | 7 | 2.70% |
| None | 6 | 2.32% |
| | Answered | 259 |
| | Skipped | 28 |

What social / support resources are hard to get in our community?

| | # | % |
|--|----------|--------|
| Employment / jobs assistance | 145 | 56.64% |
| Affordable / safe housing | 106 | 41.41% |
| Childcare | 101 | 39.45% |
| Transportation | 93 | 36.33% |
| Medical debt assistance | 88 | 34.38% |
| Health insurance | 86 | 33.59% |
| Medication assistance | 78 | 30.47% |
| Rent / utilities assistance | 76 | 29.69% |
| Healthy food | 73 | 28.52% |
| Veterans services | 69 | 26.95% |
| Domestic violence assistance | 55 | 21.48% |
| Legal services | 42 | 16.41% |
| Education and literacy | 40 | 15.63% |
| Food benefits (SNAP, WIC) | 39 | 15.23% |
| TANF (Temporary Assistance for Needy Families) | 37 | 14.45% |
| Translation assistance / language services | 33 | 12.89% |
| Banking / financial assistance | 31 | 12.11% |
| Unemployment benefits | 27 | 10.55% |
| Other (please specify) | 10 | 3.91% |
| None | 8 | 3.13% |
| | Answered | 256 |
| | Skipped | 31 |

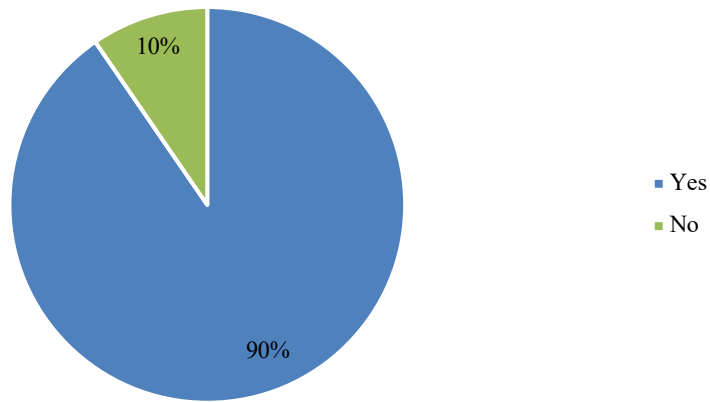
What keeps you from being healthy? (Check all that apply)

| | # | % |
|--|----------|--------|
| Cost | 91 | 36.25% |
| Nothing keeps me from being healthy | 77 | 30.68% |
| High co-pay | 70 | 27.89% |
| Lack of evening and weekend services | 59 | 23.51% |
| Long waits for appointments | 58 | 23.11% |
| Other (please specify) | 26 | 10.36% |
| Afraid to have check-ups | 23 | 9.16% |
| Don't know what types of services are available | 20 | 7.97% |
| Location of offices | 20 | 7.97% |
| Don't trust doctors / clinics | 16 | 6.37% |
| No health Insurance | 16 | 6.37% |
| Can't find providers that accept my Medicaid insurance | 9 | 3.59% |
| Have no regular source of healthcare | 9 | 3.59% |
| Childcare | 7 | 2.79% |
| No transportation | 7 | 2.79% |
| Can't find providers that accept my Medicare insurance | 2 | 0.80% |
| Don't like accepting government assistance | 2 | 0.80% |
| Language services | 1 | 0.40% |
| | Answered | 251 |
| | Skipped | 36 |

Do you use medical care services?

| | # | % |
|----------|-----|--------|
| Yes | 236 | 90.42% |
| No | 25 | 9.58% |
| Answered | 261 | |
| Skipped | 26 | |

Do you use medical care services?



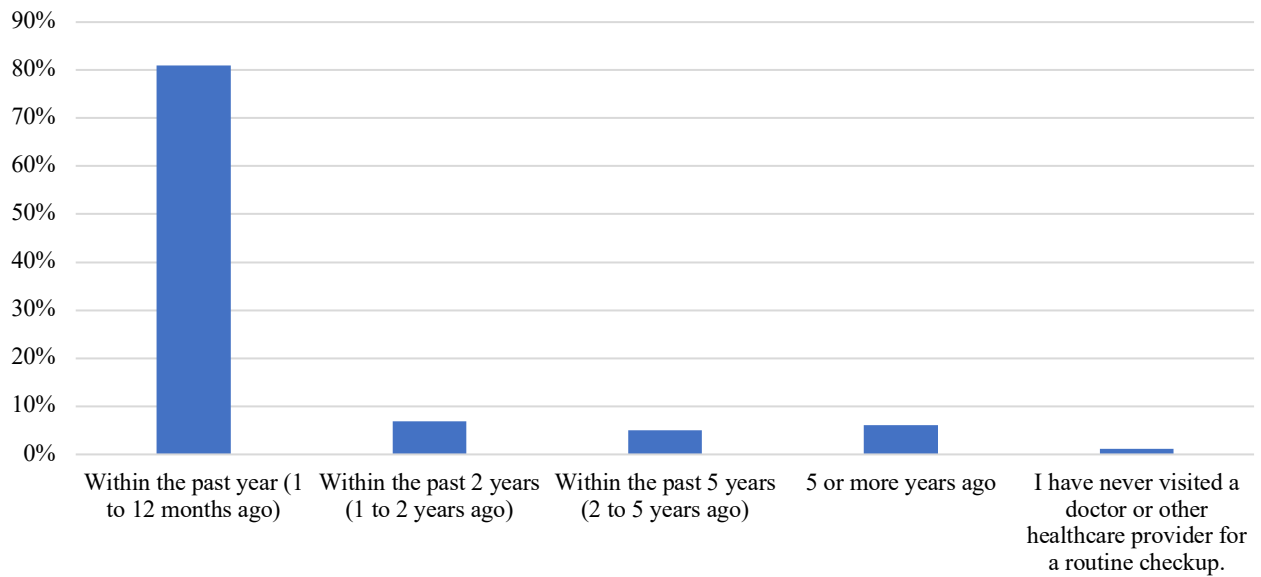
Where do you go for medical care? (Check all that apply)

| | # | % |
|---|-----|--------|
| Doctor's Office | 216 | 91.53% |
| Urgent Care / Walk in Clinic | 85 | 36.02% |
| Emergency Room | 62 | 26.27% |
| Online / Telehealth / Virtual Visits | 18 | 7.63% |
| Health Department | 16 | 6.78% |
| Other (please specify) | 11 | 4.66% |
| Federally Qualified Health Center (e.g. Tazewell Community Health Center) | 8 | 3.39% |
| Free Clinic | 7 | 2.97% |
| Salem VA Medical Center | 3 | 1.27% |
| Answered | 236 | |
| Skipped | 51 | |

How long has it been since you last visited a doctor for a routine checkup? (Please check one)

| | # | % |
|---|-----|--------|
| Within the past year (1 to 12 months ago) | 212 | 80.92% |
| Within the past 2 years (1 to 2 years ago) | 18 | 6.87% |
| 5 or more years ago | 16 | 6.11% |
| Within the past 5 years (2 to 5 years ago) | 13 | 4.96% |
| I have never visited a doctor or other healthcare provider for a routine checkup. | 3 | 1.15% |
| Answered | 262 | |
| Skipped | 25 | |

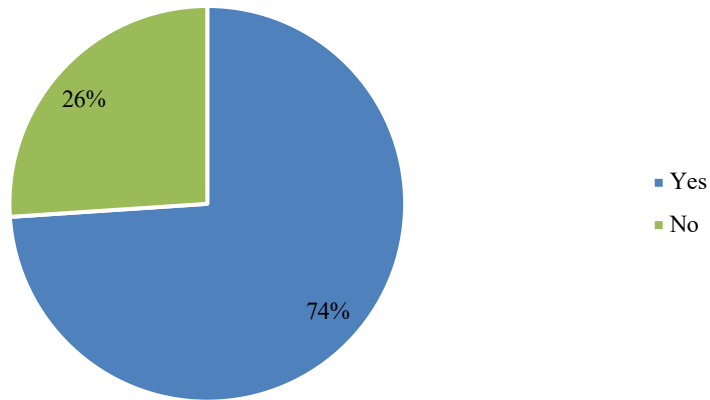
How long has it been since you last visited a doctor for a routine checkup?



Do you use dental care services?

| | # | % |
|----------|-----|--------|
| Yes | 193 | 73.95% |
| No | 68 | 26.05% |
| Answered | 261 | |
| Skipped | 26 | |

Do you use dental care services?



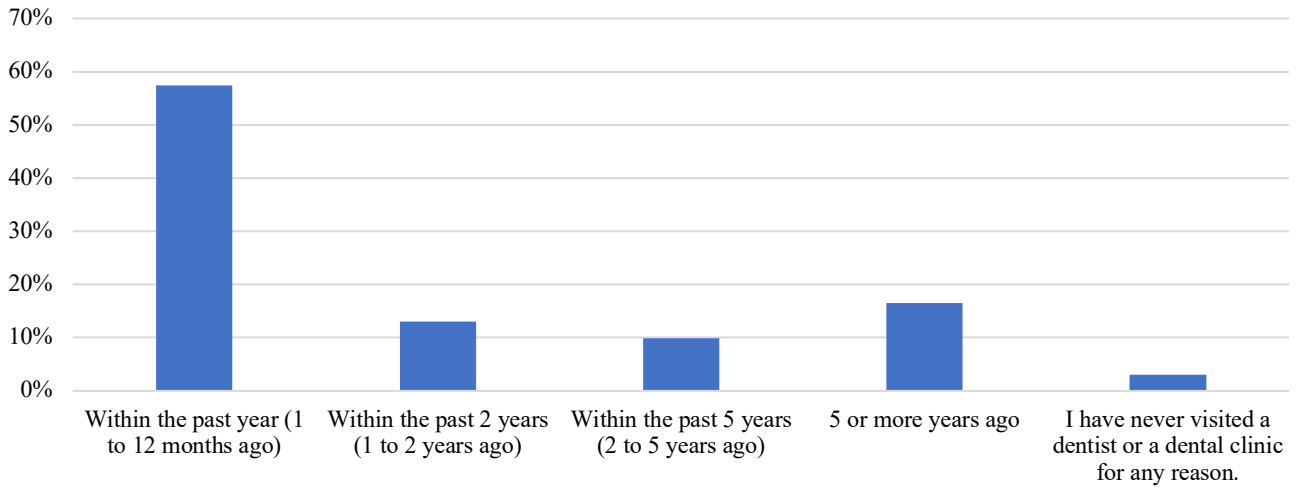
Where do you go for dental care? (Check all that apply)

| | # | % |
|---|-----|--------|
| Dentist's office | 183 | 95.81% |
| Federally Qualified Health Center (e.g. Tazewell Community Health Center) | 5 | 2.62% |
| Free Clinic | 5 | 2.62% |
| Urgent Care / Walk in Clinic | 3 | 1.57% |
| Other (please specify) | 3 | 1.57% |
| Emergency Room | 2 | 1.05% |
| Salem VA Medical Center | 1 | 0.52% |
| Answered | 191 | |
| Skipped | 96 | |

How long has it been since you last visited a dentist or a dental clinic for any reason? Include visits to dental specialists, such as orthodontists. (Please check one)

| | # | % |
|---|-----|--------|
| Within the past year (1 to 12 months ago) | 150 | 57.47% |
| 5 or more years ago | 43 | 16.48% |
| Within the past 2 years (1 to 2 years ago) | 34 | 13.03% |
| Within the past 5 years (2 to 5 years ago) | 26 | 9.96% |
| I have never visited a dentist or a dental clinic for any reason. | 8 | 3.07% |
| Answered | 261 | |
| Skipped | 26 | |

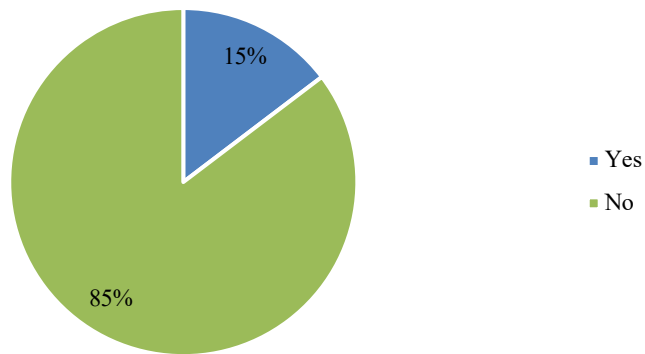
How long has it been since you last visited a dentist or a dental clinic for any reason?



Do you use mental health, alcohol abuse, or drug abuse services?

| | # | % |
|----------|-----|--------|
| Yes | 38 | 14.67% |
| No | 221 | 85.33% |
| Answered | 259 | |
| Skipped | 28 | |

Do you use mental health, alcohol abuse, or drug abuse services?



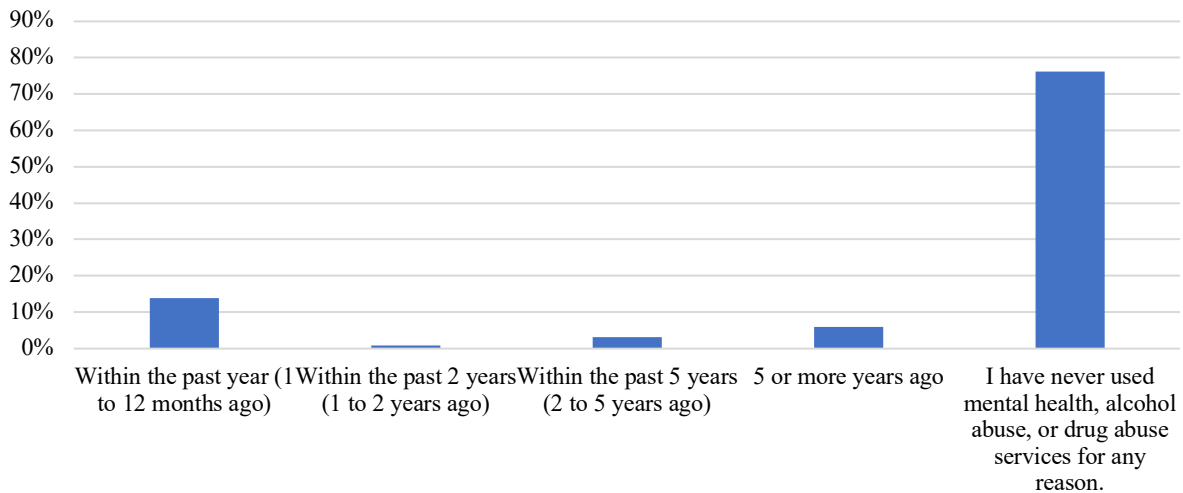
Where do you go for mental health alcohol abuse, or drug abuse services? (Check all that apply)

| | # | % |
|---|-----|--------|
| Doctor/Counselor's Office | 27 | 77.14% |
| Other (please specify) | 10 | 28.57% |
| Online / Telehealth / Virtual Visits | 4 | 11.43% |
| Federally Qualified Health Center (e.g. Tazewell Community Health Center) | 2 | 5.71% |
| Emergency Room | 0 | 0.00% |
| Free Clinic | 0 | 0.00% |
| Salem VA Medical Center | 0 | 0.00% |
| Urgent Care / Walk in Clinic | 0 | 0.00% |
| Answered | 35 | |
| Skipped | 252 | |

How long has it been since you used mental health, alcohol abuse, or drug abuse services for any reason? (Please check one)

| | # | % |
|--|-----|--------|
| I have never used mental health, alcohol abuse, or drug abuse services for any reason. | 193 | 76.28% |
| Within the past year (1 to 12 months ago) | 35 | 13.83% |
| 5 or more years ago | 15 | 5.93% |
| Within the past 5 years (2 to 5 years ago) | 8 | 3.16% |
| Within the past 2 years (1 to 2 years ago) | 2 | 0.79% |
| Answered | 253 | |
| Skipped | 34 | |

How long has it been since you used mental health, alcohol abuse, or drug abuse services for any reason?



Have you been told by a doctor that you have... (Check all that apply)

| | # | % |
|---------------------------------------|----------|--------|
| High blood pressure | 104 | 41.60% |
| Depression or anxiety | 89 | 35.60% |
| Obesity / overweight | 81 | 32.40% |
| High cholesterol | 71 | 28.40% |
| High blood sugar or diabetes | 41 | 16.40% |
| I have no health problems | 38 | 15.20% |
| Asthma | 32 | 12.80% |
| Mental health problems | 26 | 10.40% |
| Other (please specify) | 23 | 9.20% |
| Heart disease | 22 | 8.80% |
| COPD / chronic bronchitis / Emphysema | 17 | 6.80% |
| Cancer | 13 | 5.20% |
| Drug or alcohol problems | 10 | 4.00% |
| Stroke / Cerebrovascular disease | 6 | 2.40% |
| Cerebral palsy | 0 | 0.00% |
| HIV / AIDS | 0 | 0.00% |
| | Answered | 250 |
| | Skipped | 37 |

Thinking about your physical health, which includes physical illness and injury, for how many days during the past 30 days was your physical health not good?

| | |
|----------------|-----|
| Median: | 6.6 |
| Answered | 211 |
| Skipped | 76 |

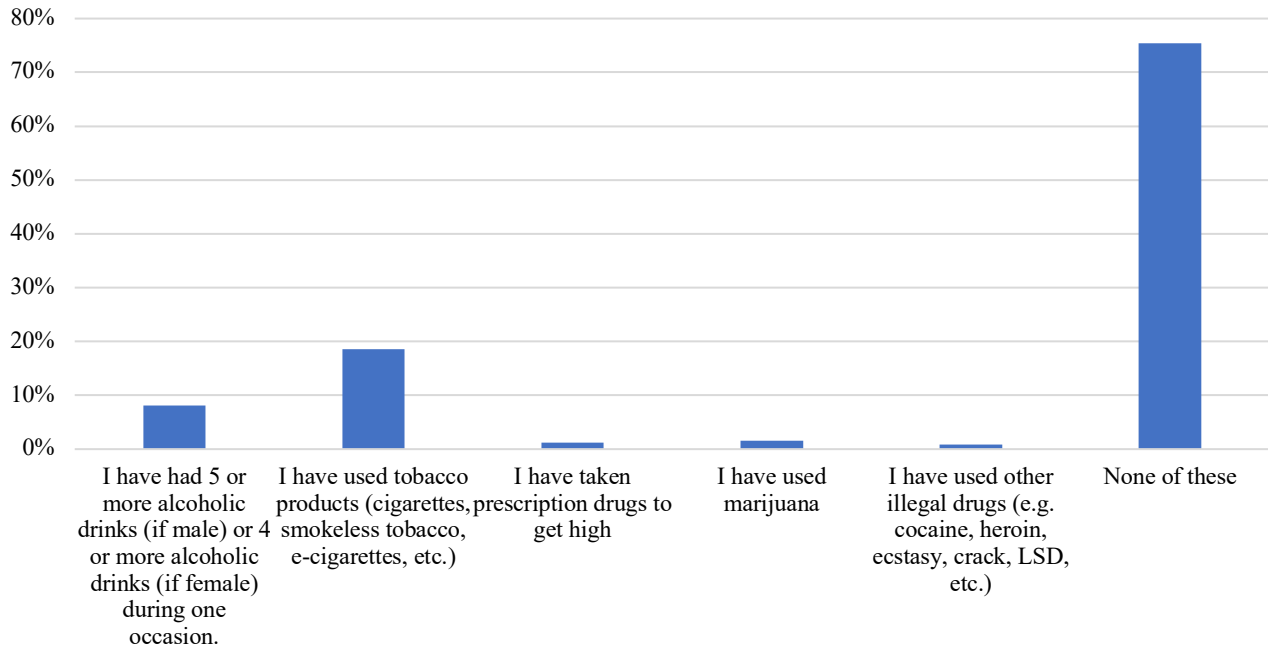
Thinking about your mental health, which includes stress, depression, and problems with emotions, for how many days during the past 30 days was your mental health not good?

| | |
|----------------|-----|
| Median: | 6.9 |
| Answered | 211 |
| Skipped | 76 |

During the past 30 days: (Check all that apply)

| | # | % |
|--|-----|--------|
| None of these | 187 | 75.40% |
| I have used tobacco products (cigarettes, smokeless tobacco, e-cigarettes, etc.) | 46 | 18.55% |
| I have had 5 or more alcoholic drinks (if male) or 4 or more alcoholic drinks (if female) during one occasion. | 20 | 8.06% |
| I have used marijuana | 4 | 1.61% |
| I have taken prescription drugs to get high | 3 | 1.21% |
| I have used other illegal drugs (e.g. cocaine, heroin, ecstasy, crack, LSD, etc.) | 2 | 0.81% |
| Answered | 248 | |
| Skipped | 39 | |

During the past 30 days:



Please check one of the following for each statement

| | Yes | | No | | Not applicable | |
|---|-----|--------|-----|--------|----------------|--------|
| | # | % | # | % | # | % |
| I have been to the emergency room in the past 12 months. | 61 | 24.11% | 187 | 73.91% | 5 | 1.98% |
| I have been to the emergency room for an injury in the past 12 months (e.g. motor vehicle crash, fall, poisoning, burn, cut, etc.). | 17 | 6.77% | 226 | 90.04% | 8 | 3.19% |
| I have been a victim of domestic violence or abuse in the past 12 months. | 4 | 1.61% | 236 | 94.78% | 9 | 3.61% |
| I take the medicine my doctor tells me to take to control my chronic illness. | 134 | 54.25% | 53 | 21.46% | 60 | 24.29% |
| I can afford medicine needed for my health conditions. | 162 | 64.54% | 49 | 19.52% | 40 | 15.94% |
| Does your community support physical activity? (e.g. parks, sidewalks, bike lanes, etc.) | 181 | 72.69% | 66 | 26.51% | 2 | 0.80% |
| In the area that you live, is it easy to get affordable fresh fruits and vegetables? | 170 | 68.27% | 78 | 31.33% | 1 | 0.40% |
| Have there been times in the past 12 months when you did not have enough money to buy the food that you or your family needed? | 57 | 22.71% | 188 | 74.90% | 6 | 2.39% |
| Have there been times in the past 12 months when you did not have enough money to pay your rent or mortgage? | 51 | 20.32% | 177 | 70.52% | 23 | 9.16% |
| Do you feel safe where you live? | 237 | 93.68% | 16 | 6.32% | 0 | 0.00% |
| Answered | 254 | | | | | |
| Skipped | 33 | | | | | |

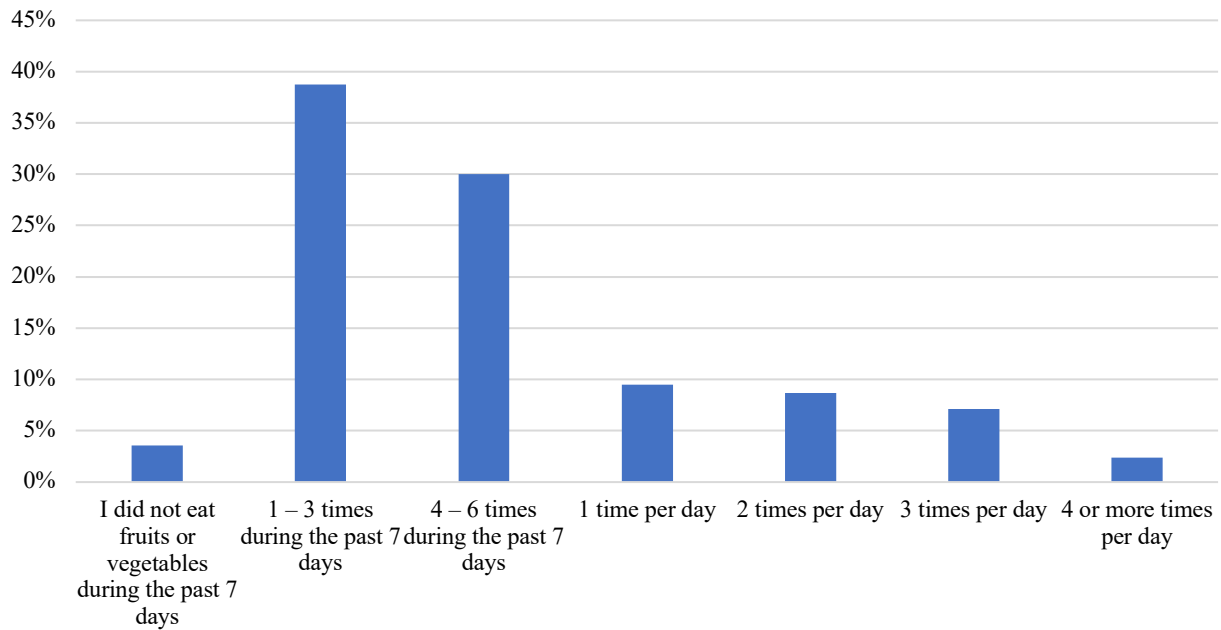
Where do you get the food that you eat at home? (Check all that apply)

| | # | % |
|--|----------|--------|
| Grocery store | 249 | 96.89% |
| Take-out / fast food / restaurant | 96 | 37.35% |
| Dollar store | 69 | 26.85% |
| Farmers' market | 58 | 22.57% |
| Home garden | 54 | 21.01% |
| Food bank / food kitchen / food pantry | 22 | 8.56% |
| I regularly receive food from family, friends, neighbors, or my church | 13 | 5.06% |
| Corner store / convenience store / gas station | 12 | 4.67% |
| Back-pack or summer food programs | 6 | 2.33% |
| Community garden | 4 | 1.56% |
| Other (please specify) | 4 | 1.56% |
| I do not eat at home | 1 | 0.39% |
| Meals on Wheels | 1 | 0.39% |
| | Answered | 257 |
| | Skipped | 30 |

**During the past 7 days, how many times did you eat fruit or vegetables? Do not count fruit juice.
(Please check one)**

| | # | % |
|---|-----|--------|
| 1 – 3 times during the past 7 days | 98 | 38.74% |
| 4 – 6 times during the past 7 days | 76 | 30.04% |
| 1 time per day | 24 | 9.49% |
| 2 times per day | 22 | 8.70% |
| 3 times per day | 18 | 7.11% |
| I did not eat fruits or vegetables during the past 7 days | 9 | 3.56% |
| 4 or more times per day | 6 | 2.37% |
| Answered | 253 | |
| Skipped | 34 | |

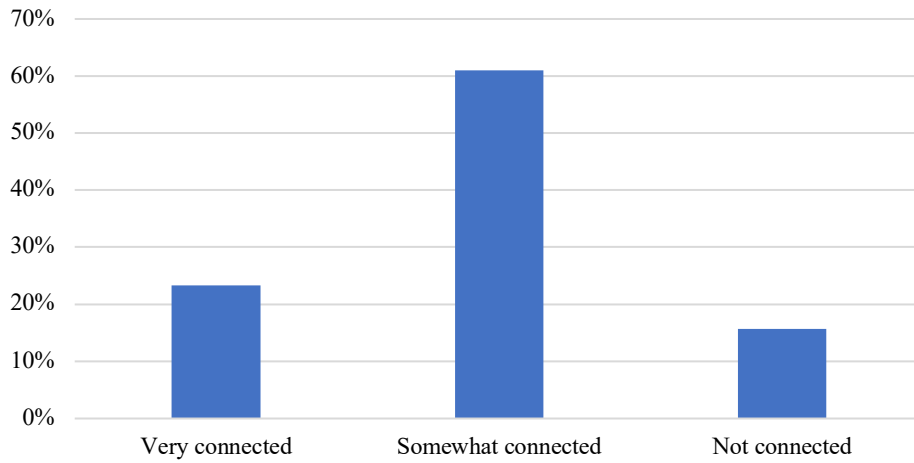
During the past 7 days, how many times did you eat fruit or vegetables?



How connected do you feel with the community and those around you?

| | # | % |
|--------------------|-----|--------|
| Somewhat connected | 152 | 61.04% |
| Very connected | 58 | 23.29% |
| Not connected | 39 | 15.66% |
| Answered | 249 | |
| Skipped | 38 | |

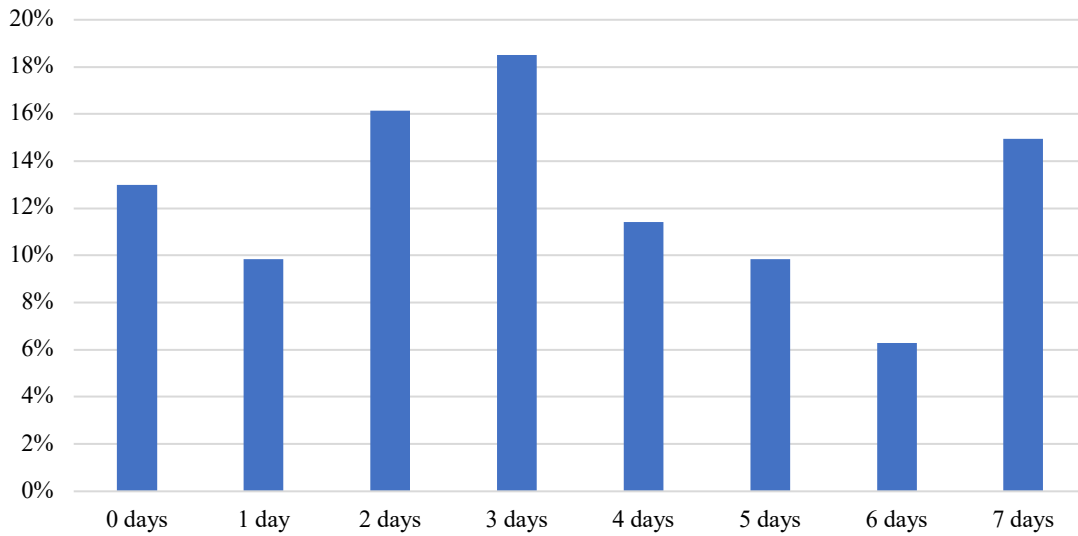
How connected do you feel with the community and those around you?



**In the past 7 days, on how many days were you physically active for a total of at least 30 minutes?
 (Add up all the time you spent in any kind of physical activity that increased your heart rate and made you breathe hard for some of the time.)**

| | # | % |
|----------|-----|--------|
| 0 days | 33 | 12.99% |
| 1 day | 25 | 9.84% |
| 2 days | 41 | 16.14% |
| 3 days | 47 | 18.50% |
| 4 days | 29 | 11.42% |
| 5 days | 25 | 9.84% |
| 6 days | 16 | 6.30% |
| 7 days | 38 | 14.96% |
| Answered | 254 | |
| Skipped | 33 | |

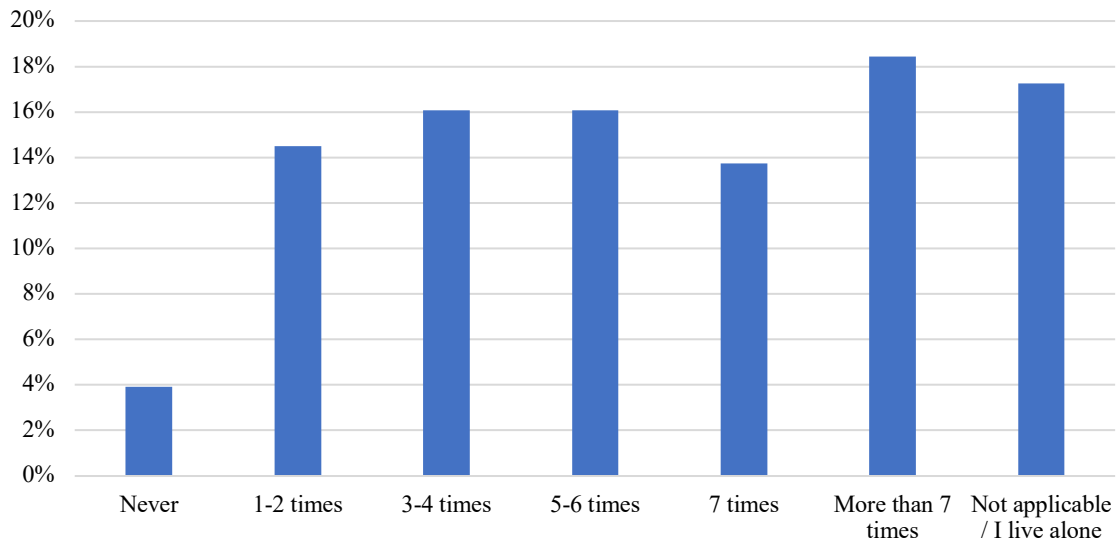
In the past 7 days, on how many days were you physically active for a total of at least 30 minutes?



During the past 7 days, how many times did all, or most, of your family living in your house eat a meal together?

| | # | % |
|-------------------------------|-----|--------|
| Never | 10 | 3.92% |
| 1-2 times | 37 | 14.51% |
| 3-4 times | 41 | 16.08% |
| 5-6 times | 41 | 16.08% |
| 7 times | 35 | 13.73% |
| More than 7 times | 47 | 18.43% |
| Not applicable / I live alone | 44 | 17.25% |
| Answered | 255 | |
| Skipped | 32 | |

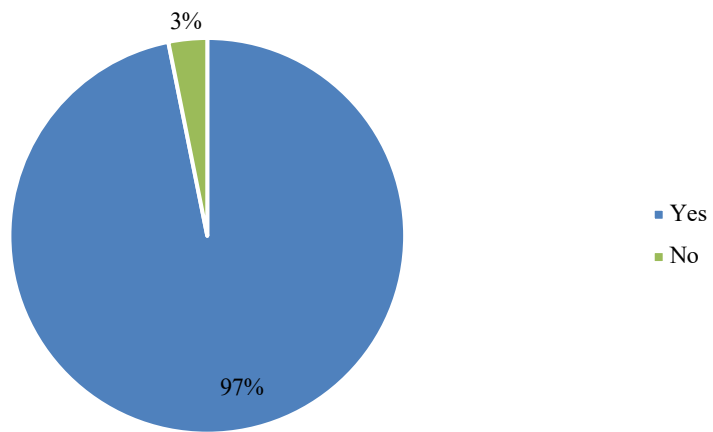
During the past 7 days, how many times did all, or most, of your family living in your house eat a meal together?



Do you have reliable transportation?

| | # | % |
|----------|-----|--------|
| Yes | 245 | 96.84% |
| No | 8 | 3.16% |
| Answered | 253 | |
| Skipped | 34 | |

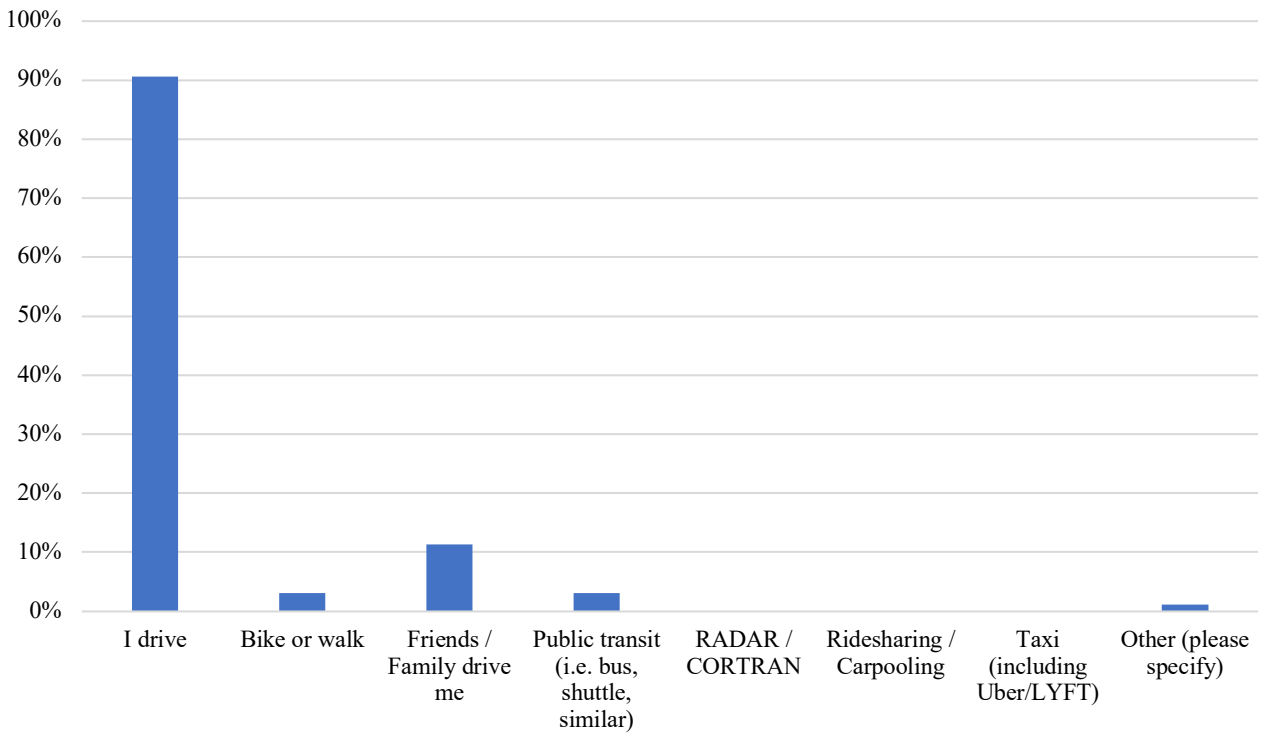
Do you have reliable transportation?



What type of transportation do you use typically use?

| | # | % |
|---|-----|--------|
| I drive | 232 | 90.63% |
| Friends / Family drive me | 29 | 11.33% |
| Bike or walk | 8 | 3.13% |
| Public transit (i.e. bus, shuttle, similar) | 8 | 3.13% |
| Other (please specify) | 3 | 1.17% |
| RADAR / CORTRAN | 0 | 0.00% |
| Ridesharing / Carpooling | 0 | 0.00% |
| Taxi (including Uber/LYFT) | 0 | 0.00% |
| Answered | 256 | |
| Skipped | 31 | |

What type of transportation do you use typically use?



Which of the following describes your current type of health insurance? (Check all that apply)

| | # | % |
|--|----------|--------|
| Employer Provided Insurance | 139 | 54.94% |
| Dental Insurance | 66 | 26.09% |
| Medicare | 62 | 24.51% |
| Medicaid | 31 | 12.25% |
| Medicare Supplement | 27 | 10.67% |
| No Dental Insurance | 21 | 8.30% |
| Individual / Private Insurance / Market Place / Obamacare | 16 | 6.32% |
| No Health Insurance | 14 | 5.53% |
| Health Savings / Spending Account | 8 | 3.16% |
| Government (VA, Champus) | 6 | 2.37% |
| COBRA | 0 | 0.00% |
| | Answered | 253 |
| | Skipped | 34 |

If you have no health insurance, why don't you have insurance? (Check all that apply)

| | # | % |
|--|----------|--------|
| Not applicable- I have health insurance | 142 | 88.20% |
| Too expensive / cost | 13 | 8.07% |
| Other (please specify) | 4 | 2.48% |
| Unemployed / no job | 3 | 1.86% |
| I don't understand Marketplace / Obamacare Options | 1 | 0.62% |
| Not available at my job | 1 | 0.62% |
| Student | 0 | 0.00% |
| | Answered | 161 |
| | Skipped | 126 |

What is your ZIP code?

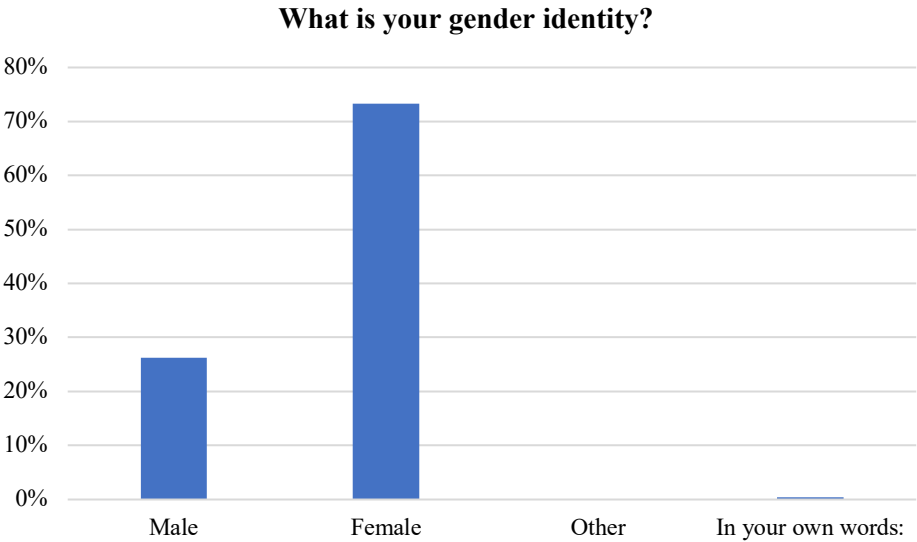
| Zip Code | # | % |
|-----------------|----------|----------|
| 24605 | 33 | 12.8% |
| 24609 | 28 | 10.9% |
| 24630 | 57 | 22.1% |
| 24637 | 12 | 4.7% |
| 24641 | 21 | 8.1% |
| 24641 | 85 | 32.9% |
| Other | 22 | 8.5% |
| Answered | 258 | |
| Skipped | 29 | |

What is your age?

| | |
|-----------------|------|
| Average: | 48.9 |
| Answered | 248 |
| Skipped | 39 |

What is your gender identity?

| | # | % |
|--------------------|-----|--------|
| Female | 184 | 73.31% |
| Male | 66 | 26.29% |
| In your own words: | 1 | 0.40% |
| Other | 0 | 0.00% |
| Answered | 251 | |
| Skipped | 36 | |



What is your height, in inches?

| | |
|----------------|------|
| Median: | 66.2 |
| Answered | 244 |
| Skipped | 43 |

What is your weight, in pounds?

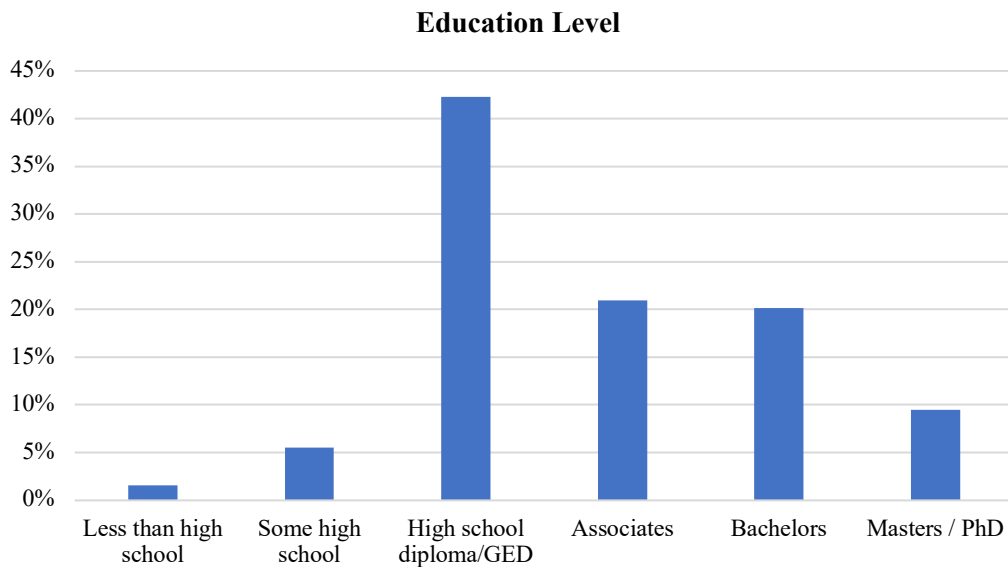
| | |
|----------------|-------|
| Median: | 194.7 |
| Answered | 239 |
| Skipped | 48 |

How many people live in your home (including yourself)?

| | |
|---|-----|
| Number of children (0 – 17 years of age): | 1.0 |
| Number of adults age 18 – 64: | 1.8 |
| Number of adults age 65 or older: | 0.7 |
| Answered | 252 |
| Skipped | 35 |

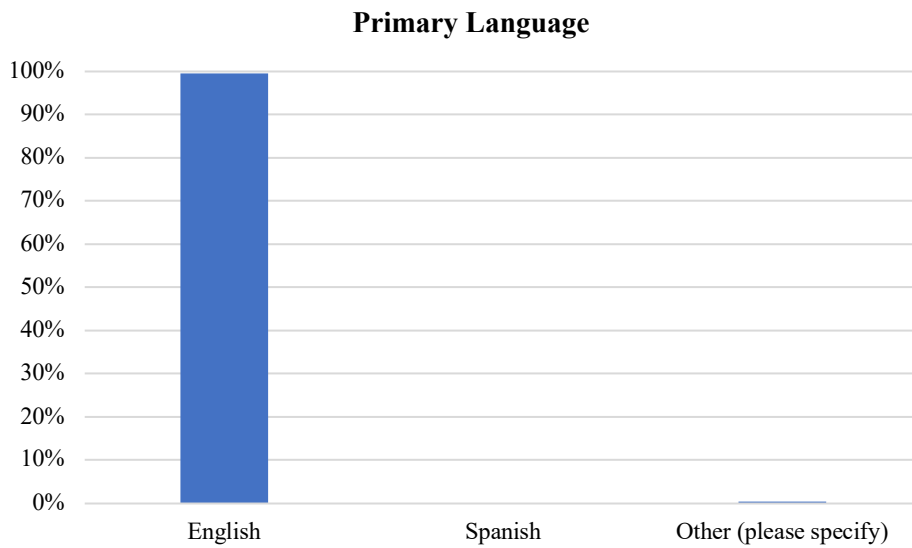
What is your highest education level completed?

| | # | % |
|-------------------------|-----|--------|
| High school diploma/GED | 107 | 42.29% |
| Associates | 53 | 20.95% |
| Bachelors | 51 | 20.16% |
| Masters / PhD | 24 | 9.49% |
| Some high school | 14 | 5.53% |
| Less than high school | 4 | 1.58% |
| Answered | 253 | |
| Skipped | 34 | |



What is your primary language?

| | # | % |
|------------------------|-----|--------|
| English | 251 | 99.60% |
| Other (please specify) | 1 | 0.40% |
| Spanish | 0 | 0.00% |
| Answered | 252 | |
| Skipped | 35 | |



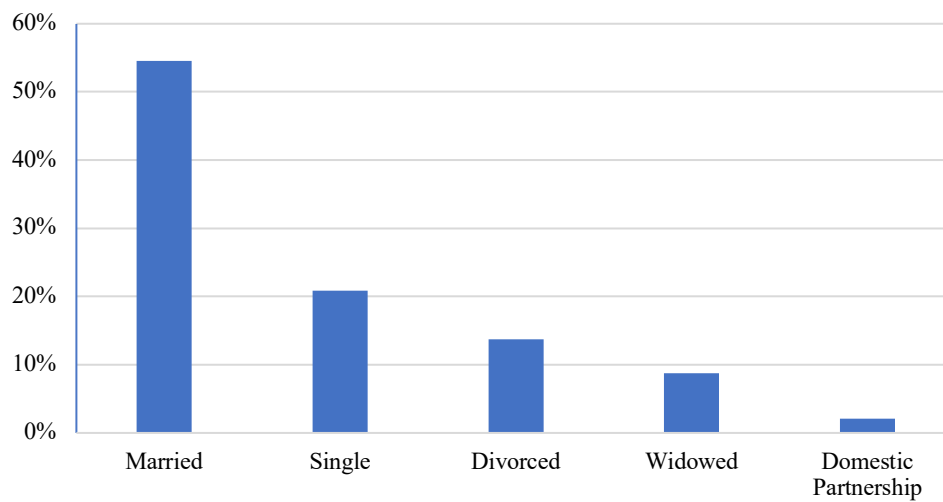
With what ethnicity do you identify? (Check all that apply)

| | # | % |
|------------------------------------|-----|--------|
| White | 243 | 94.92% |
| Decline to answer | 6 | 2.34% |
| Black / African American | 5 | 1.95% |
| Latino | 2 | 0.78% |
| More than one race | 1 | 0.39% |
| American Indian / Alaskan Native | 0 | 0.00% |
| Asian | 0 | 0.00% |
| Native Hawaiian / Pacific Islander | 0 | 0.00% |
| Other (please specify) | 0 | 0.00% |
| Answered | 256 | |
| Skipped | 31 | |

What is your marital status?

| | # | % |
|----------------------|-----|--------|
| Married | 131 | 54.58% |
| Single | 50 | 20.83% |
| Divorced | 33 | 13.75% |
| Widowed | 21 | 8.75% |
| Domestic Partnership | 5 | 2.08% |
| Answered | 240 | |
| Skipped | 47 | |

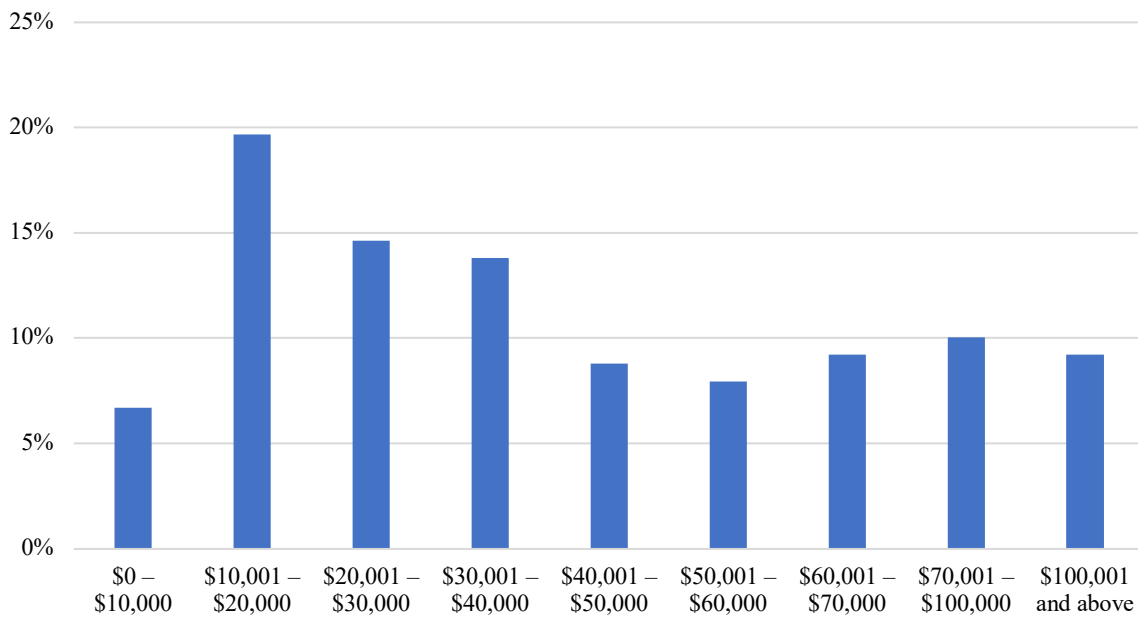
Marital Status



What is your yearly household income?

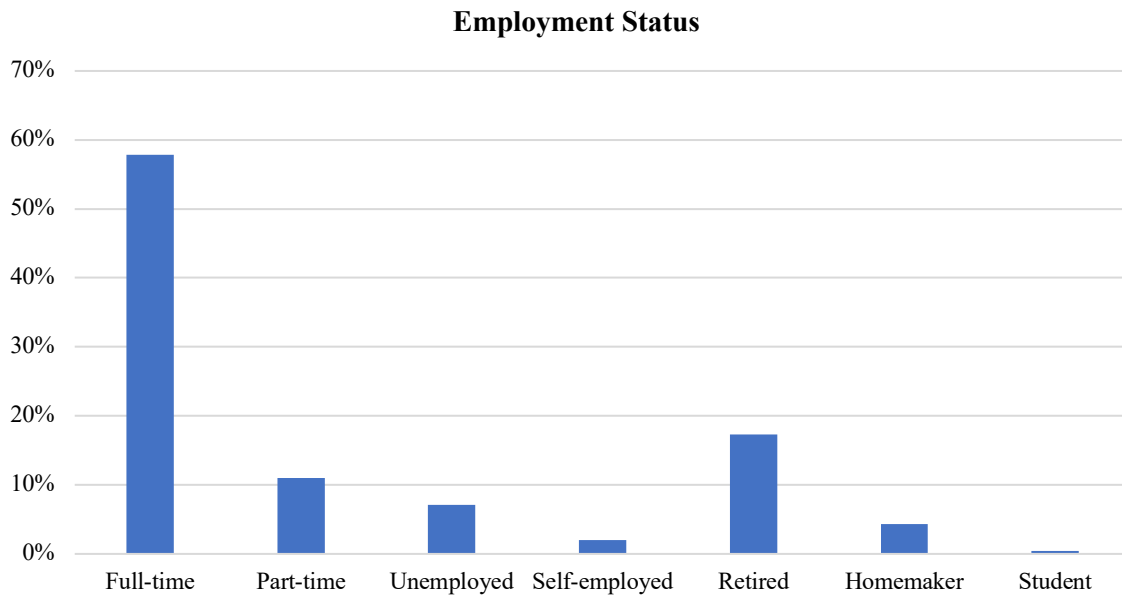
| | # | % |
|----------------------|-----|--------|
| \$10,001 – \$20,000 | 47 | 19.67% |
| \$20,001 – \$30,000 | 35 | 14.64% |
| \$30,001 – \$40,000 | 33 | 13.81% |
| \$70,001 – \$100,000 | 24 | 10.04% |
| \$60,001 – \$70,000 | 22 | 9.21% |
| \$100,001 and above | 22 | 9.21% |
| \$40,001 – \$50,000 | 21 | 8.79% |
| \$50,001 – \$60,000 | 19 | 7.95% |
| \$0 – \$10,000 | 16 | 6.69% |
| Answered | 239 | |
| Skipped | 48 | |

Yearly Household Income



What is your current employment status?

| | # | % |
|---------------|-----|--------|
| Full-time | 147 | 57.87% |
| Retired | 44 | 17.32% |
| Part-time | 28 | 11.02% |
| Unemployed | 18 | 7.09% |
| Homemaker | 11 | 4.33% |
| Self-employed | 5 | 1.97% |
| Student | 1 | 0.39% |
| Answered | 254 | |
| Skipped | 33 | |



Community Health Needs Assessment

Location

Tazewell County, VA

Demographics

Current population demographics and changes in demographic composition over time play a determining role in the types of health and social services needed by communities.

Total Population

A total of 41,603 people live in the 518.79 square mile report area defined for this assessment according to the U.S. Census Bureau American Community Survey 2015-19 5-year estimates. The population density for this area, estimated at 80.19 persons per square mile, is less than the national average population density of 91.93 persons per square mile.

| Report Area | Total Population | Total Land Area (Square Miles) | Population Density (Per Square Mile) |
|---------------------|------------------|--------------------------------|--------------------------------------|
| Tazewell County, VA | 41,603 | 518.79 | 80.19 |
| Virginia | 8,454,463 | 39,481.77 | 214.14 |
| United States | 324,697,795 | 3,532,068.58 | 91.93 |

Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Change in Total Population

According to the United States Census Bureau Decennial Census, between 2000 and 2010 the population in the report area grew by 480 persons, a change of 1.08%. A significant positive or negative shift in total population over time impacts healthcare providers and the utilization of community resources.

| Report Area | Total Population, 2000 Census | Total Population, 2010 Census | Population Change, 2000-2010 | Population Change, 2000-2010, Percent |
|---------------------|-------------------------------|-------------------------------|------------------------------|---------------------------------------|
| Tazewell County, VA | 44,598 | 45,078 | 480 | 1.08% |
| Virginia | 7,078,509 | 8,001,024 | 922,515 | 13.03% |
| United States | 280,405,781 | 307,745,539 | 27,339,758 | 9.75% |

Data Source: US Census Bureau, Decennial Census, 2000 - 2010. Source geography: Tract

Families with Children

According to the most recent American Community Survey estimates, 25.85% of all occupied households in the report area are family households with one or more child(ren) under the age of 18. As defined by the US Census Bureau, a family household is any housing unit in which the householder is living with one or more individuals related to him or her by birth, marriage, or adoption. A non-family household is any household occupied by the householder alone, or by the householder and one or more unrelated individuals.

| Report Area | Total Households | Total Family Households | Families with Children (Under Age 18) | Families with Children (Under Age 18), Percent of Total Households |
|---------------------|------------------|-------------------------|---------------------------------------|--|
| Tazewell County, VA | 16,531 | 11,106 | 4,274 | 25.85% |
| Virginia | 3,151,045 | 2,091,934 | 988,197 | 31.36% |
| United States | 120,756,048 | 79,114,031 | 37,151,089 | 30.77% |

Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Median Age

Of the estimated 42,689 total population in the report area, the median age of all persons is 44.3. This indicates that the report population as a whole generally trends older than the state, which has a median age of 38.2. These data are based on the latest U.S. Census Bureau American Community Survey 5-year estimates.

| Report Area | Total Population | Median Age |
|---------------------|------------------|------------|
| Tazewell County, VA | 42,689 | 44.3 |
| Virginia | 8,454,463 | 38.2 |
| United States | 324,697,795 | 38.1 |

Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Population Under Age 18

Of the estimated 41,603 total population in the report area, an estimated 8,030 persons are under the age of 18, representing 19.30% of the population. These data are based on the latest U.S. Census Bureau American Community Survey 5-year estimates. The number of persons under age 18 is relevant because this population has unique needs which should be considered separately from other age groups.

| Report Area | Total Population | Population Age 0-17 | Population Age 0-17, Percent |
|---------------------|------------------|---------------------|------------------------------|
| Tazewell County, VA | 41,603 | 8,030 | 19.30% |
| Virginia | 8,454,463 | 1,865,699 | 22.07% |
| United States | 324,697,795 | 73,429,392 | 22.61% |

Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Population Age 65+

Of the estimated 41,603 total population in the report area, an estimated 8,938 persons are adults aged 65 and older, representing 21.48% of the population. These data are based on the latest U.S. Census Bureau American Community Survey 5-year estimates. The number of older adults in the report area is relevant because this population has unique needs which should be considered separately from other age groups.

| Report Area | Total Population | Population Age 65+ | Population Age 65+, Percent |
|---------------------|------------------|--------------------|-----------------------------|
| Tazewell County, VA | 41,603 | 8,938 | 21.48% |
| Virginia | 8,454,463 | 1,271,946 | 15.04% |
| United States | 324,697,795 | 50,783,796 | 15.64% |

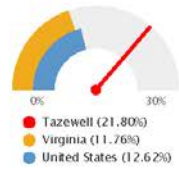
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Population with Any Disability

This indicator reports the percentage of the total civilian non-institutionalized population with a disability. The report area has a total population of 40,320 for whom disability status has been determined, of which 8,789 or 21.80% have any disability. This indicator is relevant because disabled individuals comprise a vulnerable population that requires targeted services and outreach by providers.

| Report Area | Total Population (For Whom Disability Status Is Determined) | Population with a Disability | Population with a Disability, Percent |
|------------------------|---|---------------------------------|--|
| Tazewell County, VA | 40,320 | 8,789 | 21.80% |
| Virginia | 8,234,323 | 968,651 | 11.76% |
| United States | 319,706,872 | 40,335,099 | 12.62% |

Population with a Disability,
Percent



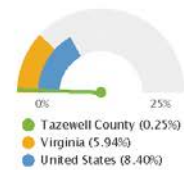
Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Population with Limited English Proficiency

This indicator reports the percentage of the population aged 5 and older who speak a language other than English at home and speak English less than "very well." This indicator is relevant because an inability to speak English well creates barriers to healthcare access, provider communications, and health literacy/education.

| Report Area | Population Age 5+ | Population Age 5+ with Limited English Proficiency | Population Age 5+ with Limited English Proficiency, Percent |
|------------------------|----------------------|---|--|
| Tazewell County, VA | 39,409 | 98 | 0.25% |
| Virginia | 7,946,064 | 471,645 | 5.94% |
| United States | 304,930,125 | 25,615,365 | 8.40% |

Population Age 5+ with Limited
English Proficiency, Percent



Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Foreign-Born Population

This indicator reports the percentage of the population that is foreign-born. The foreign-born population includes anyone who was not a U.S. citizen or a U.S. national at birth. This includes any non-citizens, as well as persons born outside of the U.S. who have become naturalized citizens. The native U.S. population includes any person born in the United States, Puerto Rico, a U.S. Island Area (such as Guam), or abroad of American (U.S. citizen) parent or parents. The latest figures from the U.S. Census Bureau show that 371 persons in the report area are of foreign birth, which represents 0.89% of the report area population. This percentage is less than the national average of 13.55%.

| Report Area | Total Population | Naturalized U.S. Citizens | Population Without U.S. Citizenship | Total Foreign-Birth Population | Foreign-Birth Population, Percent of Total Population |
|------------------------|---------------------|------------------------------|--|-----------------------------------|--|
| Tazewell County, VA | 41,603 | 152 | 219 | 371 | 0.89% |
| Virginia | 8,454,463 | 550,411 | 501,148 | 1,051,559 | 12.44% |
| United States | 324,697,795 | 21,847,890 | 22,163,980 | 44,011,870 | 13.55% |

Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Hispanic Population

The estimated population that is of Hispanic, Latino, or Spanish origin in the report area is 424. This represents 1.02% of the total report area population, which is less than the national rate of 18.01%. Origin can be viewed as the heritage, nationality group, lineage, or country of birth of the person or the person's parents or ancestors before their arrival in the United States. People who identify their origin as Hispanic, Latino, or Spanish may be of any race.

| Report Area | Total Population | Non-Hispanic Population | Percent Population Non-Hispanic | Hispanic or Latino Population | Percent Population Hispanic or Latino |
|---------------------|------------------|-------------------------|---------------------------------|-------------------------------|---------------------------------------|
| Tazewell County, VA | 41,603 | 41,179 | 98.98% | 424 | 1.02% |
| Virginia | 8,454,463 | 7,662,462 | 90.63% | 792,001 | 9.37% |
| United States | 324,697,795 | 266,218,425 | 81.99% | 58,479,370 | 18.01% |

Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Veteran Population

This indicator reports the percentage of the population age 18 and older that served (even for a short time), but is not currently serving, on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or the Coast Guard, or that served in the U.S. Merchant Marine during World War II. Of the 33,561 population of the report area, 2,429 or 7.24% are veterans.

| Report Area | Total Population Age 18+ | Total Veterans | Veterans, Percent of Total Population |
|---------------------|--------------------------|----------------|---------------------------------------|
| Tazewell County, VA | 33,561 | 2,429 | 7.24% |
| Virginia | 6,468,384 | 677,533 | 10.47% |
| United States | 250,195,726 | 18,230,322 | 7.29% |

Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

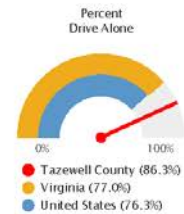
Income and Economics

Economic and social insecurity often are associated with poor health. Poverty, unemployment, and lack of educational achievement affect access to care and a community's ability to engage in healthy behaviors. Without a network of support and a safe community, families cannot thrive. Ensuring access to social and economic resources provides a foundation for a healthy community.

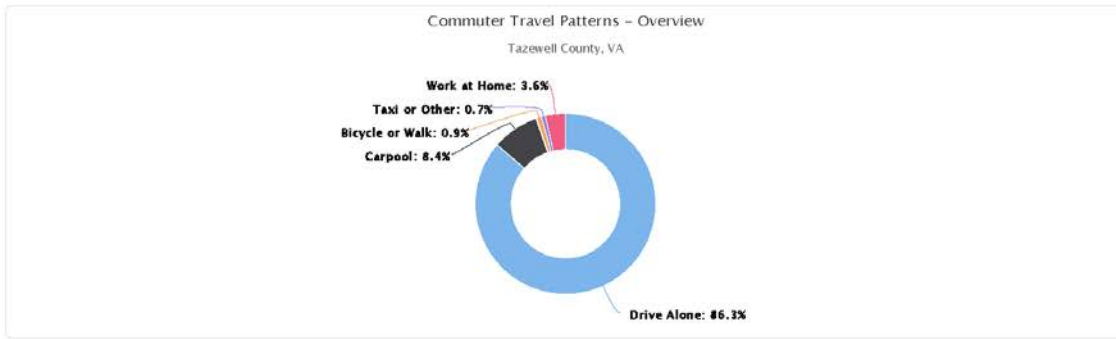
Commuter Travel Patterns - Overview

This table shows the method of transportation workers used to travel to work for the report area. Of the 14,600 workers in the report area, 86.3% drove to work alone while 8.4% carpooled. 0.1% of all workers reported that they used some form of public transportation, while others used some optional means including 0.9% walking or riding bicycles, and 0.7% used taxicabs to travel to work.

| Report Area | Workers 16 and Up | Percent Drive Alone | Percent Carpool | Percent Public Transportation | Percent Bicycle or Walk | Percent Taxi or Other | Percent Work at Home |
|---------------------|-------------------|---------------------|-----------------|-------------------------------|-------------------------|-----------------------|----------------------|
| Tazewell County, VA | 14,600 | 86.3% | 8.4% | 0.1% | 0.9% | 0.7% | 3.6% |
| Virginia | 4,197,562 | 77.0% | 9.2% | 4.4% | 2.8% | 1.4% | 5.3% |
| United States | 152,735,781 | 76.3% | 9.0% | 5.0% | 3.2% | 1.3% | 5.2% |



Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: County

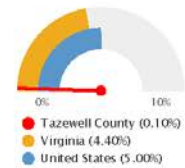


Commuter Travel Patterns - Public Transportation

This indicator reports the percentage of population using public transportation as their primary means of commuting to work. Public transportation includes buses or trolley buses, streetcars or trolley cars, subway or elevated rails, and ferryboats.

| Report Area | Total Population Employed Age 16+ | Population Using Public Transit for Commute to Work | Percent Population Using Public Transit for Commute to Work |
|---------------------|-----------------------------------|---|---|
| Tazewell County, VA | 14,600 | 14 | 0.10% |
| Virginia | 4,197,562 | 184,534 | 4.40% |
| United States | 152,735,781 | 7,641,160 | 5.00% |

Percent Population Using Public Transit for Commute to Work



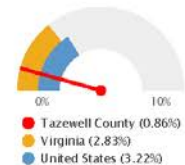
Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Commuter Travel Patterns - Walking or Biking

This indicator reports the percentage of the working population that primarily walks or bikes when they commute to work.

| Report Area | Total Working Population Age 16+ | Workers Commuting by Walking or Biking | Percent of Workers Commuting by Walking or Biking |
|---------------------|----------------------------------|--|---|
| Tazewell County, VA | 14,600 | 126 | 0.86% |
| Virginia | 4,197,562 | 118,806 | 2.83% |
| United States | 152,735,781 | 4,911,537 | 3.22% |

Percent of Workers Commuting by Walking or Biking

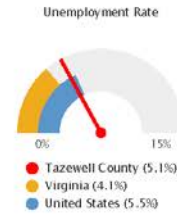


Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Employment - Unemployment Rate

Total unemployment in the report area for the current month equals 799, or 5.1% of the civilian non-institutionalized population age 16 and older (non-seasonally adjusted). This indicator is relevant because unemployment creates financial instability and barriers to access including insurance coverage, health services, healthy food, and other necessities that contribute to poor health status.

| Report Area | Labor Force | Number Employed | Number Unemployed | Unemployment Rate |
|---------------------|-------------|-----------------|-------------------|-------------------|
| Tazewell County, VA | 15,589 | 14,790 | 799 | 5.1% |
| Virginia | 4,238,174 | 4,064,416 | 173,758 | 4.1% |
| United States | 161,693,908 | 152,777,736 | 8,916,171 | 5.5% |



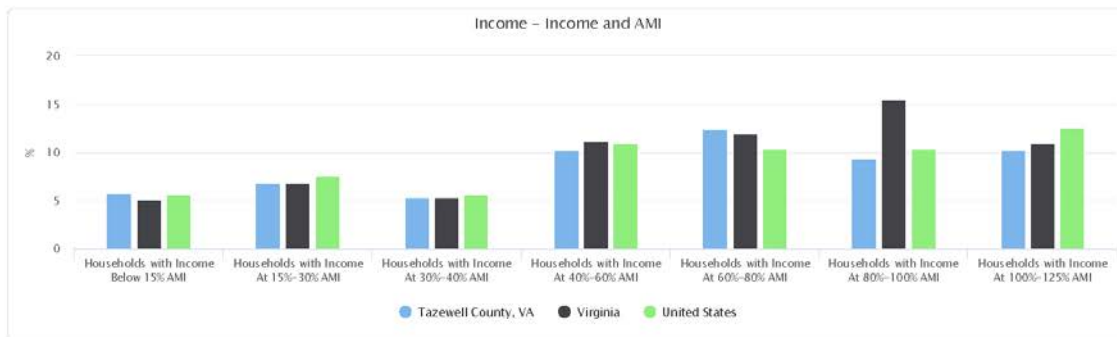
Note: This indicator is compared to the state average.
 Data Source: US Department of Labor, Bureau of Labor Statistics, 2021 - May. Source geography: County

Income - Income and AMI

This indicator reports the number and percentage of housing units at various income levels relative to Area Median Income (AMI).

| Report Area | Households with Income Below 15% AMI | Households with Income At 15%-30% AMI | Households with Income At 30%-40% AMI | Households with Income At 40%-60% AMI | Households with Income At 60%-80% AMI | Households with Income At 80%-100% AMI | Households with Income At 100%-125% AMI |
|---------------------|--------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|---|
| Tazewell County, VA | 5.81% | 6.79% | 5.27% | 10.18% | 12.47% | 9.42% | 10.21% |
| Virginia | 5.1% | 6.87% | 5.3% | 11.11% | 11.94% | 15.46% | 10.97% |
| United States | 5.62% | 7.51% | 5.61% | 11.03% | 10.4% | 10.36% | 12.6% |

Data Source: US Census Bureau, American Community Survey, 2015-2019.



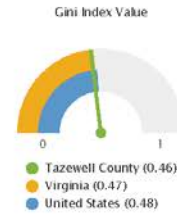
Income - Inequality (GINI Index)

This indicator reports income inequality using the Gini coefficient. Gini index values range between zero and one. A value of one indicates perfect inequality where only one house-hold has any income. A value of zero indicates perfect equality, where all households have equal income.

Index values are acquired from the 2015-19 American Community Survey and are not available for custom report areas or multi-county areas.

| Report Area | Total Households | Gini Index Value |
|---------------------|------------------|------------------|
| Tazewell County, VA | 16,531 | 0.46 |
| Virginia | 3,151,045 | 0.47 |
| United States | 120,756,048 | 0.48 |

Note: This indicator is compared to the state average.
 Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract



Income - Median Household Income

This indicator reports median household income based on the latest 5-year American Community Survey estimates. This includes the income of the householder and all other individuals 15 years old and over in the household, whether they are related to the householder or not. Because many households consist of only one person, average household income is usually less than average family income. There are 16,531 households in the report area, with an average income of \$57,165 and median income of \$42,099.

| Report Area | Total Households | Average Household Income | Median Household Income |
|---------------------|------------------|--------------------------|-------------------------|
| Tazewell County, VA | 16,531 | \$57,165 | \$42,099 |
| Virginia | 3,151,045 | \$101,746 | \$74,222 |
| United States | 120,756,048 | \$88,607 | \$62,843 |

Note: This indicator is compared to the state average.
 Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

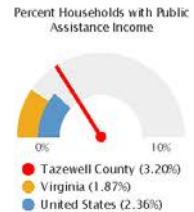


Income - Public Assistance Income

This indicator reports the percentage households receiving public assistance income. Public assistance income includes general assistance and Temporary Assistance to Needy Families (TANF). Separate payments received for hospital or other medical care (vendor payments) are excluded. This does not include Supplemental Security Income (SSI) or noncash benefits such as Food Stamps.

| Report Area | Total Households | Households with Public Assistance Income | Percent Households with Public Assistance Income |
|---------------------|------------------|--|--|
| Tazewell County, VA | 16,531 | 529 | 3.20% |
| Virginia | 3,151,045 | 59,002 | 1.87% |
| United States | 120,756,048 | 2,853,791 | 2.36% |

Note: This indicator is compared to the state average.
 Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

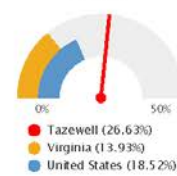


Poverty - Children Below 100% FPL

In the report area 26.63% or 2,116 children aged 0-17 are living in households with income below the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

| Report Area | Total Population | Population Under Age 18 | Population Under Age 18 in Poverty | Percent Population Under Age 18 in Poverty |
|---------------------|------------------|-------------------------|------------------------------------|--|
| Tazewell County, VA | 40,030 | 7,945 | 2,116 | 26.63% |
| Virginia | 8,201,608 | 1,836,464 | 255,807 | 13.93% |
| United States | 316,715,051 | 72,235,700 | 13,377,778 | 18.52% |

Percent Population Under Age 18 in Poverty



Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

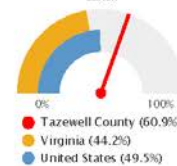
Poverty - Children Eligible for Free/Reduced Price Lunch

Free or reduced price lunches are served to qualifying students in families with income between under 185 percent (reduced price) or under 130% (free lunch) of the US federal poverty threshold as part of the federal National School Lunch Program (NSLP).

Out of 5,653 total public school students in the report area, 3,442 were eligible for the free or reduced price lunch program in the latest report year. This represents 60.9% of public school students, which is higher than the state average of 44.2%.

| Report Area | Total Students | Students Eligible for Free or Reduced Price Lunch | Students Eligible for Free or Reduced Price Lunch, Percent |
|---------------------|----------------|---|--|
| Tazewell County, VA | 5,653 | 3,442 | 60.9% |
| Virginia | 1,289,367 | 569,998 | 44.2% |
| United States | 50,744,629 | 25,124,175 | 49.5% |

Percentage of Students Eligible for Free or Reduced Price School Lunch



Note: This indicator is compared to the state average.
Data Source: National Center for Education Statistics, NCEES - Common Core of Data, 2018-19. Source geography: Address

Poverty - Population Below 100% FPL

Poverty is considered a *key driver* of health status.

Within the report area 17.50% or 7,004 individuals are living in households with income below the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

| Report Area | Total Population | Population in Poverty | Population in Poverty, Percent |
|---------------------|------------------|-----------------------|--------------------------------|
| Tazewell County, VA | 40,030 | 7,004 | 17.50% |
| Virginia | 8,201,608 | 865,691 | 10.56% |
| United States | 316,715,051 | 42,510,843 | 13.42% |

Population in Poverty, Percent



Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Education

This category contains indicators that describe the education system and the educational outcomes of report area populations. Education metrics can be used to describe variation in population access, proficiency, and attainment throughout the education system, from access to pre-kindergarten through advanced degree attainment. These indicators are important because education is closely tied to health outcomes and economic opportunity.

Access - Head Start

Head Start is a program designed to help children from birth to age five who come from families at or below poverty level. The program's goal is to help children become ready for kindergarten while also providing the needed requirements to thrive, including health care and food support.

This indicator reports the number and rate of Head Start program facilities per 10,000 children under age 5. Head Start facility data is acquired from the US Department of Health and Human Services (HHS) 2020 Head Start locator. Population data is from the 2010 US Decennial Census. The report area has a total 6 Head Start programs with a rate of 25.81 per 10,000 children under 5 years old.

| Report Area | Children Under Age 5 | Total Head Start Programs | Head Start Programs, Rate (Per 10,000 Children) |
|---------------------|----------------------|---------------------------|---|
| Tazewell County, VA | 2,325 | 6 | 25.81 |
| Virginia | 509,625 | 448 | 8.79 |
| United States | 20,426,118 | 21,511 | 10.53 |

Head Start Programs Rate (Per 10,000 Children Under Age 5)



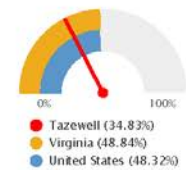
Note: This indicator is compared to the state average.
Data Source: US Department of Health & Human Services, HRSA - Administration for Children and Families, 2019. Source geography: Address

Access - Preschool Enrollment (Age 3-4)

This indicator reports the percentage of the population age 3-4 that is enrolled in school. This indicator helps identify places where pre-school opportunities are either abundant or lacking in the educational system.

| Report Area | Population Age 3-4 | Population Age 3-4 Enrolled in School | Population Age 3-4 Enrolled in School, Percent |
|---------------------|--------------------|---------------------------------------|--|
| Tazewell County, VA | 781 | 272 | 34.83% |
| Virginia | 207,781 | 101,483 | 48.84% |
| United States | 8,151,928 | 3,938,693 | 48.32% |

Percentage of Population Age 3-4 Enrolled in School



Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Access - Public Schools

The indicator table below lists the top 10 largest public elementary schools by student enrollment in the report area. According to the latest data, the largest school is TAZEVELL CO PBLC SCHS, with a total student body size of 435. This school covers grades PK through 5.

| County | School Name | School District | Total Students | Lowest Grade Level | Highest Grade Level |
|-----------------|-----------------------------|-----------------------|----------------|--------------------|---------------------|
| Tazewell County | RICHLANDS ELEM | TAZEVELL CO PBLC SCHS | 664 | PK | 5 |
| Tazewell County | TAZEVELL ELEM | TAZEVELL CO PBLC SCHS | 435 | PK | 5 |
| Tazewell County | CEDAR BLUFF ELEM | TAZEVELL CO PBLC SCHS | 410 | PK | 5 |
| Tazewell County | GRAHAM INTERMEDIATE | TAZEVELL CO PBLC SCHS | 316 | 3 | 5 |
| Tazewell County | DUDLEY PRIMARY | TAZEVELL CO PBLC SCHS | 299 | PK | 2 |
| Tazewell County | NORTH TAZEVELL ELEM | TAZEVELL CO PBLC SCHS | 261 | PK | 5 |
| Tazewell County | ABBS VALLEY-BOISSEVAIN ELEM | TAZEVELL CO PBLC SCHS | 172 | PK | 5 |

Data Source: National Center for Education Statistics, NCEES - Common Core of Data, 2018-2019. Source geography: Address

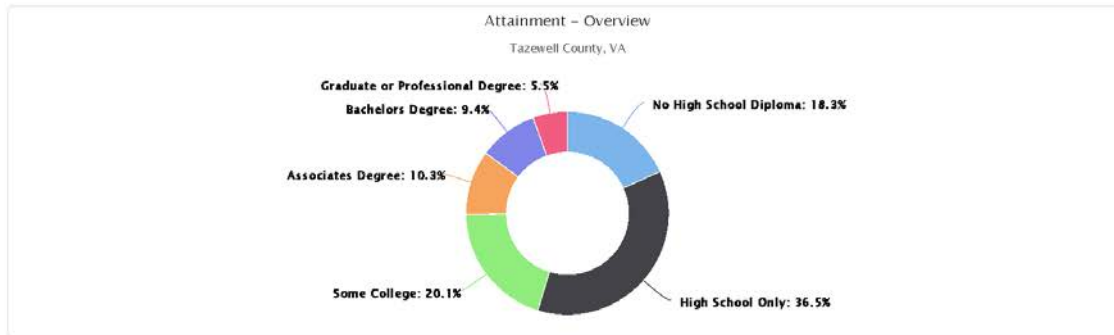
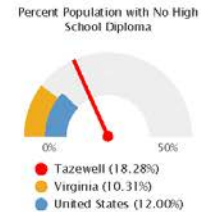
Attainment - Overview

Educational Attainment shows the distribution of the highest level of education achieved in the report area, and helps schools and businesses to understand the needs of adults, whether it be workforce training or the ability to develop science, technology, engineering, and mathematics opportunities. Educational attainment is calculated for persons over 25, and is an estimated average for the period from 2014 to 2019.

For the selected area, 9.4% have at least a college bachelor's degree, while 36.5% stopped their formal educational attainment after high school.

| Report Area | No High School Diploma | High School Only | Some College | Associates Degree | Bachelors Degree | Graduate or Professional Degree |
|---------------------|------------------------|------------------|--------------|-------------------|------------------|---------------------------------|
| Tazewell County, VA | 18.28% | 36.5% | 20.1% | 10.3% | 9.4% | 5.5% |
| Virginia | 10.31% | 24.0% | 19.2% | 7.8% | 22.0% | 16.8% |
| United States | 12.00% | 27.0% | 20.4% | 8.5% | 19.8% | 12.4% |

Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: County

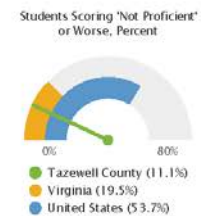


Proficiency - Student Math Proficiency (4th Grade)

Information about student performance in the 4th grade Math portion of the state-specific standardized tests are displayed in the table below. Of 1,489 students tested, 88.9% of 4th graders performed at or above the "proficient" level, and 11.1% tested below the "proficient" level, according to the latest data. Students in the report area tested better than the statewide rate of 80.5%.

| Report Area | Students with Valid Test Scores | Students Scoring 'Proficient' or Better, Percent | Students Scoring 'Not Proficient' or Worse, Percent |
|---------------------|---------------------------------|--|---|
| Tazewell County, VA | 1,489 | 88.9% | 11.1% |
| Virginia | 364,236 | 80.5% | 19.5% |
| United States | 13,473,054 | 46.3% | 53.7% |

Note: This indicator is compared to the state average.
Data Source: US Department of Education, EDData. Additional data analysis by CARES, 2018-19. Source geography: School District



Proficiency - Student Reading Proficiency (4th Grade)

Information about student performance in the 4th grade English Language Arts portion of the state-specific standardized tests are displayed in the table below. Of 1,489 students tested, 79.7% of 4th graders performed at or above the "proficient" level, and 20.3% tested below the "proficient" level, according to the latest data. Students in the report area tested better than the

statewide rate of 72.1%.

| Report Area | Students with Valid Test Scores | Students Scoring 'Proficient' or Better, Percent | Students Scoring 'Not Proficient' or Worse, Percent |
|---------------------|---------------------------------|--|---|
| Tazewell County, VA | 1,489 | 79.7% | 20.3% |
| Virginia | 361,238 | 72.1% | 27.9% |
| United States | 13,445,671 | 46.2% | 53.8% |

Students Scoring 'Not Proficient' or Worse, Percent



Note: This indicator is compared to the state average.
Data Source: US Department of Education, EDData. Additional data analysis by CARES, 2018-19. Source geography: School District

Housing and Families

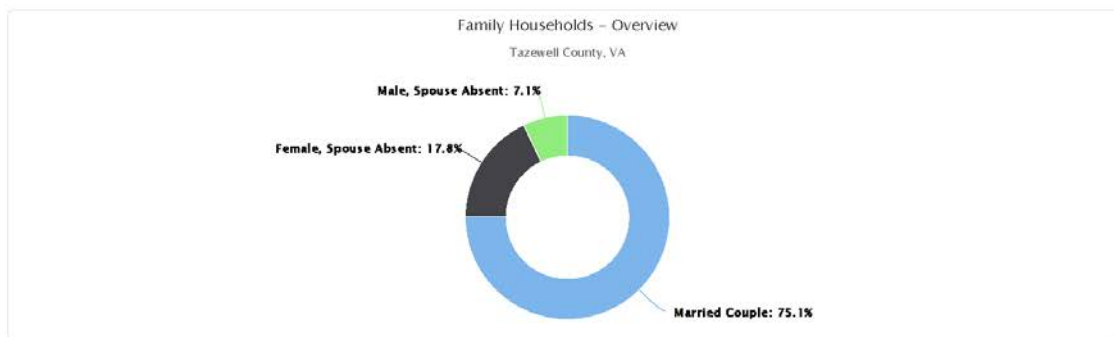
This category contains indicators that describe the structure of housing and families, and the condition and quality of housing units and residential neighborhoods. These indicators are important because housing issues like overcrowding and affordability have been linked to multiple health outcomes, including infectious disease, injuries, and mental disorders. Furthermore, housing metrics like home-ownership rates and housing prices are key for economic analysis.

Family Households - Overview

The American Community Survey (ACS) estimated there were 11,106 families in the report area in 2019. Married couple families comprised 75.1% of the total number. Families headed by men without wives comprised 7.07% of the total, while women without husbands headed 17.83% of families.

| Report Area | Total Number of Families | Married Couple | Female, Spouse Absent | Male, Spouse Absent |
|---------------------|--------------------------|----------------|-----------------------|---------------------|
| Tazewell County, VA | 11,106 | 8,341 | 1,980 | 785 |
| Virginia | 2,091,934 | 1,586,494 | 367,203 | 138,237 |
| United States | 79,114,031 | 58,198,771 | 15,016,964 | 5,898,296 |

Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: County



Households - Overview

This indicator reports the total number and percentage of households by composition (married couple family, nonfamily, etc.). According to the American Community Survey subject definitions, a family household is any housing unit in which the householder is living with one or more individuals related to him or her by birth, marriage, or adoption*. A non-family household is any household occupied by the householder alone, or by the householder and one or more unrelated individuals.

*Family households and married-couple families do not include same-sex married couples even if the marriage was performed in a state issuing marriage certificates for same-sex couples. Same sex couple households are included in the family households

category if there is at least one additional person related to the householder by birth or adoption.

| Report Area | Total Households | Family Households | Family Households, Percent | Non-Family Households | Non-Family Households, Percent |
|---------------------|------------------|-------------------|----------------------------|-----------------------|--------------------------------|
| Tazewell County, VA | 16,531 | 11,106 | 67.18% | 5,425 | 32.82% |
| Virginia | 3,151,045 | 2,091,934 | 66.39% | 1,059,111 | 33.61% |
| United States | 120,756,048 | 79,114,031 | 65.52% | 41,642,017 | 34.48% |

Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Family Households - Single-Parent Households

This indicator reports the percentage of children who live in households where only one parent is present.

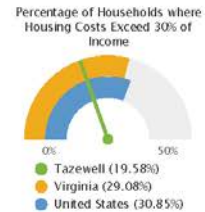
| Report Area | Population Age 0-17 | Children in Single-Parent Households | Percentage of Children in Single-Parent Households |
|---------------------|---------------------|--------------------------------------|--|
| Tazewell County, VA | 8,016 | 2,257 | 28.16% |
| Virginia | 1,860,502 | 452,827 | 24.34% |
| United States | 73,191,304 | 18,673,072 | 25.51% |

Data Source: US Census Bureau, American Community Survey, 2015-2019.

Housing Costs - Cost Burden (30%)

This indicator reports the percentage of the households where housing costs are 30% or more of total household income. This indicator provides information on the cost of monthly housing expenses for owners and renters. The information offers a measure of housing affordability and excessive shelter costs. The data also serve to aid in the development of housing programs to meet the needs of people at different economic levels. Of the 16,531 total households in the report area, 3,236 or 19.58% of the population live in cost burdened households.

| Report Area | Total Households | Cost Burdened Households (Housing Costs Exceed 30% of Income) | Cost Burdened Households, Percent |
|---------------------|------------------|---|-----------------------------------|
| Tazewell County, VA | 16,531 | 3,236 | 19.58% |
| Virginia | 3,151,045 | 916,399 | 29.08% |
| United States | 120,756,048 | 37,249,895 | 30.85% |



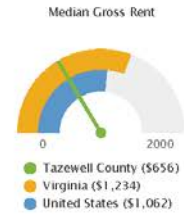
Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Housing Costs - Renter Costs

Gross rent is the contract rent plus the estimated average monthly cost of utilities (electricity, gas, and water and sewer) and fuels (oil, coal, kerosene, wood, etc.) if these are paid by the renter (or paid for the renter by someone else). Gross rent provides information on the monthly housing cost expenses for renters. When the data is used in conjunction with income data, the information offers an excellent measure of housing affordability and excessive shelter costs. The data also serve to aid in the development of housing programs to meet the needs of people at different economic levels, and to provide assistance to agencies in determining policies on fair rent.

| Report Area | Total Renter-Occupied Housing Units | Average Gross Rent | Median Gross Rent |
|---------------------|-------------------------------------|--------------------|-------------------|
| Tazewell County, VA | 4,211 | \$557 | \$656 |
| Virginia | 1,063,334 | \$1,273 | \$1,234 |
| United States | 43,481,667 | \$1,131 | \$1,062 |

Note: This indicator is compared to the state average.
 Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

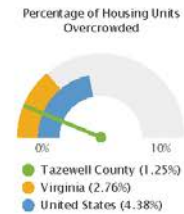


Housing Quality - Overcrowding

This indicator reports data on overcrowded housing from the latest 5-year American Community Survey. The Census Bureau has no official definition of crowded units, but this report considers units with more than one occupant per room to be crowded.

| Report Area | Total Occupied Housing Units | Overcrowded Housing Units | Percentage of Housing Units Overcrowded |
|---------------------|------------------------------|---------------------------|---|
| Tazewell County, VA | 15,954 | 199 | 1.25% |
| Virginia | 2,255,668 | 62,233 | 2.76% |
| United States | 92,289,957 | 4,045,979 | 4.38% |

Note: This indicator is compared to the state average.
 Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

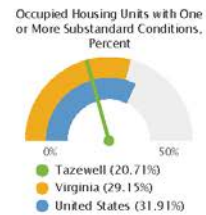


Housing Quality - Substandard Housing

This indicator reports the number and percentage of owner- and renter-occupied housing units having at least one of the following conditions: 1) lacking complete plumbing facilities, 2) lacking complete kitchen facilities, 3) with 1 or more occupants per room, 4) selected monthly owner costs as a percentage of household income greater than 30%, and 5) gross rent as a percentage of household income greater than 30%. Selected conditions provide information in assessing the quality of the housing inventory and its occupants. This data is used to easily identify homes where the quality of living and housing can be considered substandard. Of the 16,531 total occupied housing units in the report area, 3,424 or 20.71% have one or more substandard conditions.

| Report Area | Total Occupied Housing Units | Occupied Housing Units with One or More Substandard Conditions | Occupied Housing Units with One or More Substandard Conditions, Percent |
|---------------------|------------------------------|--|---|
| Tazewell County, VA | 16,531 | 3,424 | 20.71% |
| Virginia | 3,151,045 | 918,634 | 29.15% |
| United States | 120,756,048 | 38,530,862 | 31.91% |

Note: This indicator is compared to the state average.
 Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract



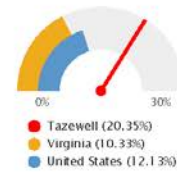
Vacancy (ACS)

This indicator reports the number and percentage of housing units that are vacant. A housing unit is considered vacant by the American Community Survey if no one is living in it at the time of interview. Units occupied at the time of interview entirely by persons who are staying two months or less and who have a more permanent residence elsewhere are considered to be temporarily occupied, and are classified as "vacant."

| Report Area | Total Housing Units | Vacant Housing Units | Vacant Housing Units, Percent |
|---------------------|---------------------|----------------------|-------------------------------|
| Tazewell County, VA | 20,754 | 4,223 | 20.35% |
| Virginia | 3,514,032 | 362,987 | 10.33% |
| United States | 137,428,986 | 16,672,938 | 12.13% |

Note: This indicator is compared to the state average.
 Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Vacant Housing Units, Percent



Other Social & Economic Factors

Economic and social insecurity often are associated with poor health. Poverty, unemployment, and lack of educational achievement affect access to care and a community's ability to engage in healthy behaviors. Without a network of support and a safe community, families cannot thrive. Ensuring access to social and economic resources provides a foundation for a healthy community.

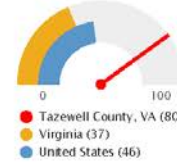
Area Deprivation Index

This indicator reports the average (population weighted) Area Deprivation Index (ADI) for the selected area. The ADI is a metric used to rank neighborhoods by socioeconomic status disadvantage in a region of interest (e.g. at the state or national level). ADI scores range from 1 to 100, with 1 representing the least disadvantaged areas.

| Report Area | Total Population | State Percentile | National Percentile |
|---------------------|------------------|------------------|---------------------|
| Tazewell County, VA | 39,291 | 93 | 80 |
| Virginia | 8,218,695 | 50 | 37 |
| United States | 320,934,417 | 51 | 46 |

Note: This indicator is compared to the state average.
 Data Source: University of Wisconsin-Madison School of Medicine and Public Health, Neighborhood Atlas, 2021. Source geography: Block Group

Area Deprivation Index Score (Average)



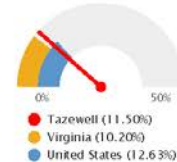
Food Insecurity Rate

This indicator reports the estimated percentage of the population that experienced food insecurity at some point during the report year. Food insecurity is the household-level economic and social condition of limited or uncertain access to adequate food.

| Report Area | Total Population | Food Insecure Population, Total | Food Insecurity Rate |
|---------------------|------------------|---------------------------------|----------------------|
| Tazewell County, VA | 42,696 | 4,910 | 11.50% |
| Virginia | 8,464,608 | 863,390 | 10.20% |
| United States | 325,717,422 | 41,133,950 | 12.63% |

Note: This indicator is compared to the state average.
 Data Source: Reading America, 2017. Source geography: County

Percentage of Total Population with Food Insecurity



Homeless Children & Youth

This indicator reports the number of homeless children and youth enrolled in the public school system during the school year 2018-2019. According to the data source definitions, homelessness is defined as lacking a fixed, regular, and adequate nighttime residence. Those who are homeless may be sharing the housing of other persons, living in motels, hotels, or camping grounds, in emergency transitional shelters, or may be unsheltered. Data are aggregated to the report-area level based on school-district summaries where three or more homeless children are counted.

In the report area, of all the 5,653 students enrolled during the school year 2018-2019, there were 49 or 0.9% homeless students, which is lower than the statewide rate of 1.6%.

Note: Data are available for 100.0% of school districts in the report area, representing 100.0% of the public school student population.

| Report Area | Total Students | Districts Reporting | Students in Reported Districts | Homeless Students | Homeless Students, Percent |
|---------------------|----------------|---------------------|--------------------------------|-------------------|----------------------------|
| Tazewell County, VA | 5,653 | 100.0% | 100.0% | 49 | 0.9% |
| Virginia | 1,274,389 | 88.3% | 99.1% | 20,805 | 1.6% |
| United States | 47,424,948 | 69.8% | 97.6% | 1,430,341 | 3.0% |

Rate of Homelessness Among Public School Students (in Reported Districts)



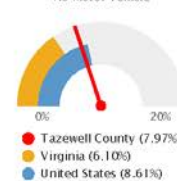
*Note: This indicator is compared to the state average.
Data Source: US Department of Education, EDData. Additional data analysis by CARES, 2018-19. Source geography: School District*

Households with No Motor Vehicle

This indicator reports the number and percentage of households with no motor vehicle based on the latest 5-year American Community Survey estimates. Of the 16,531 total households in the report area, 1,318 or 7.97% are without a motor vehicle.

| Report Area | Total Occupied Households | Households with No Motor Vehicle | Households with No Motor Vehicle, Percent |
|---------------------|---------------------------|----------------------------------|---|
| Tazewell County, VA | 16,531 | 1,318 | 7.97% |
| Virginia | 3,151,045 | 192,193 | 6.10% |
| United States | 120,756,048 | 10,395,713 | 8.61% |

Percentage of Households with No Motor Vehicle



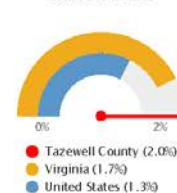
*Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract*

Incarceration Rate

The Opportunity Atlas estimates the percentage of individuals born in each census tract who were incarcerated at the time of the 2010 Census. According to the Atlas data, 2.0% of the report area population were incarcerated. The incarceration rate in the report area is higher than the state average of 1.7%.

| Report Area | Total Population (2010) | Incarceration Rate |
|---------------------|-------------------------|--------------------|
| Tazewell County, VA | 45,078 | 2.0% |
| Virginia | 7,994,802 | 1.7% |
| United States | 312,444,060 | 1.3% |

Incarceration Rate



*Note: This indicator is compared to the state average.
Data Source: Opportunity Insights, 2018. Source geography: Tract*

Insurance - Insured Population and Provider Type

Health insurance coverage is considered a *key driver* of health status.

In the report area 36,326 total civilians have some form of health insurance coverage. Of those, 66.09% have private insurance, e.g. insurance purchased through an employer or union, through direct purchase (e.g. on a health exchange) or have Tricare or other military health insurance. In addition, 51.67% have a form of public health insurance. Public health coverage includes the federal programs Medicare, Medicaid, and VA Health Care (provided through the Department of

Veterans Affairs), as well as the Children’s Health Insurance Program (CHIP). This indicator is relevant because insurance provides access to healthcare, including regular primary care, specialty care, and other health services that prevent poor health status.

Note: Percentages may exceed 100% as individuals may have more than one form of health insurance.

| Report Area | Total Population (For Whom Insurance Status is Determined) | Population with Health Insurance | Percentage with Private Insurance | Percentage with Public Insurance |
|---------------------|---|----------------------------------|-----------------------------------|----------------------------------|
| Tazewell County, VA | 40,320 | 36,326 | 66.09% | 51.67% |
| Virginia | 8,234,323 | 7,526,363 | 83.18% | 30.85% |
| United States | 319,706,872 | 291,458,259 | 74.52% | 38.51% |

Data Source: US Census Bureau, American Community Survey, 2015-2019. Source geography: County

Insurance - Medicare Enrollment Demographics

This indicator reports information about the Medicare population, including the number of beneficiaries enrolled in parts A & B (the fee-for-service population) and the number enrolled in Medicare Advantage. Demographic information is provided for the fee-for-service population only.

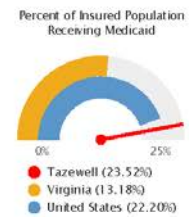
| Report Area | Total Medicare Beneficiaries | Medicaid Advantage Beneficiaries | Fee-for-Service Beneficiaries | Medicaid Eligible, Percentage | Average Age |
|---------------------|------------------------------|----------------------------------|-------------------------------|-------------------------------|-------------|
| Tazewell County, VA | 11,749 | 4,170 | 7,579 | 2,149% | 69 |
| Virginia | 1,361,988 | 315,135 | 1,046,853 | 1,405% | 72 |
| United States | 56,031,636 | 22,532,164 | 33,499,472 | 1,975% | 72 |

Data Source: Centers for Medicare and Medicaid Services, CMS - Geographic Variation Public Use File - 2018. Source geography: County

Insurance - Population Receiving Medicaid

This indicator reports the percentage of the population with insurance enrolled in Medicaid (or other means-tested public health insurance). This indicator is relevant because it assesses vulnerable populations which are more likely to have multiple health access, health status, and social support needs; when combined with poverty data, providers can use this measure to identify gaps in eligibility and enrollment.

| Report Area | Total Population (For Whom Insurance Status is Determined) | Population with Any Health Insurance | Population Receiving Medicaid | Percent of Insured Population Receiving Medicaid |
|---------------------|---|--------------------------------------|-------------------------------|--|
| Tazewell County, VA | 40,320 | 36,326 | 8,543 | 23.52% |
| Virginia | 8,234,323 | 7,526,363 | 992,320 | 13.18% |
| United States | 319,706,872 | 291,458,259 | 64,716,091 | 22.20% |



Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

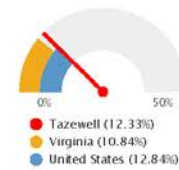
Insurance - Uninsured Adults

The lack of health insurance is considered a *key driver* of health status.

This indicator reports the percentage of adults age 18 to 64 without health insurance coverage. This indicator is relevant because lack of insurance is a primary barrier to healthcare access including regular primary care, specialty care, and other health services that contributes to poor health status.

| Report Area | Total Population Age 18 - 64 | Population with Medical Insurance | Percent Population With Medical Insurance | Population Without Medical Insurance | Percent Population Without Medical Insurance |
|---------------------|------------------------------|-----------------------------------|---|--------------------------------------|--|
| Tazewell County, VA | 22,008 | 19,295 | 87.67% | 2,713 | 12.33% |
| Virginia | 5,126,202 | 4,570,533 | 89.16% | 555,669 | 10.84% |
| United States | 195,703,724 | 170,567,452 | 87.16% | 25,136,272 | 12.84% |

Percent Population Age 18-64 Without Medical Insurance



Note: This indicator is compared to the state average.
Data Source: US Census Bureau, Small Area Health Insurance Estimates, 2019. Source geography: County

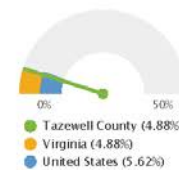
Insurance - Uninsured Children

The lack of health insurance is considered a *key driver* of health status.

This indicator reports the percentage of children under age 19 without health insurance coverage. This indicator is relevant because lack of insurance is a primary barrier to healthcare access including regular primary care, specialty care, and other health services that contributes to poor health status.

| Report Area | Total Population Under Age 19 | Population with Medical Insurance | Percent Population With Medical Insurance | Population Without Medical Insurance | Percent Population Without Medical Insurance |
|---------------------|-------------------------------|-----------------------------------|---|--------------------------------------|--|
| Tazewell County, VA | 8,020 | 7,629 | 95.12% | 391 | 4.88% |
| Virginia | 1,919,766 | 1,826,009 | 95.12% | 93,757 | 4.88% |
| United States | 75,374,000 | 71,137,899 | 94.38% | 4,236,101 | 5.62% |

Percent Population Under Age 19 Without Medical Insurance



Note: This indicator is compared to the state average.
Data Source: US Census Bureau, Small Area Health Insurance Estimates, 2019. Source geography: County

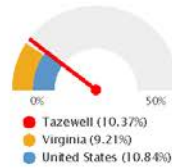
Insurance - Uninsured Population (SAHIE)

The lack of health insurance is considered a *key driver* of health status.

This indicator reports the percentage of adults under age 65 without health insurance coverage. This indicator is relevant because lack of insurance is a primary barrier to healthcare access including regular primary care, specialty care, and other health services that contributes to poor health status.

| Report Area | Total Population Under Age 65 | Population with Medical Insurance | Percent Population With Medical Insurance | Population Without Medical Insurance | Percent Population Without Medical Insurance |
|---------------------|-------------------------------|-----------------------------------|---|--------------------------------------|--|
| Tazewell County, VA | 29,626 | 26,554 | 89.63% | 3,072 | 10.37% |
| Virginia | 6,953,094 | 6,312,829 | 90.79% | 640,265 | 9.21% |
| United States | 267,336,463 | 238,355,740 | 89.16% | 28,980,723 | 10.84% |

Percent Population Without Medical Insurance



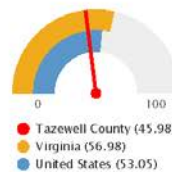
Note: This indicator is compared to the state average.
Data Source: US Census Bureau, Small Area Health Insurance Estimates, 2019. Source geography: County

Opportunity Index

This indicator reports the Opportunity Index score for the report area. The Opportunity Index includes indicators within four dimensions of community well-being: Economy; Education; Health; and Community. The overall score combines sixteen underlying indicators for states, and fourteen for counties. The Opportunity Index score has a potential range of 0 (indicating no opportunity) to 100 (indicating maximum opportunity).

| Report Area | Total Population | Opportunity Index Score |
|---------------------|------------------|-------------------------|
| Tazewell County, VA | 42,046 | 45.98 |
| Virginia | 8,410,946 | 56.98 |
| United States | 323,071,342 | 53.05 |

Opportunity Index Score



Note: This indicator is compared to the state average.
Data Source: Opportunity Nation. Source geography: County

Racial Diversity (Theil Index)

This indicator measures the spatial distribution or evenness of population demographic groups in neighborhoods throughout the county. This indicator is presented as an index with values ranging between 0 and 1, with higher values indicating higher levels of segregation between neighborhoods.

| Report Area | Non-Hispanic White Population | Non-Hispanic Black Population | Non-Hispanic Asian Population | Non-Hispanic AI / AN Population | Non-Hispanic NH / PI Population | Hispanic or Latino Population | Diversity Index |
|---------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------|---------------------------------|-------------------------------|-----------------|
| Tazewell County, VA | 95.58 | 2.98 | 0.64 | 0.12 | 0.01 | 0.66 | 0.17 |
| Virginia | 66.46 | 19.52 | 5.59 | 0.26 | 0.06 | 8.10 | 0.25 |
| United States | 64.35 | 12.32 | 4.73 | 0.73 | 0.16 | 17.71 | 0.39 |

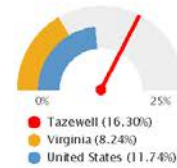
Data Source: US Census Bureau, Decennial Census. University of Missouri, Center for Applied Research and Engagement Systems, 2010. Source geography: County

SNAP Benefits - Households Receiving SNAP (ACS)

In the report area, an estimate 2,694 or 16.30% households receive Supplemental Nutrition Assistance Program (SNAP) benefits. The value for the report area is greater than the national average of 11.74%. This indicator is relevant because it assesses vulnerable populations which are more likely to have multiple health access, health status, and social support needs; when combined with poverty data, providers can use this measure to identify gaps in eligibility and enrollment.

| Report Area | Total Households | Households Receiving SNAP Benefits | Percent Households Receiving SNAP Benefits |
|---------------------|------------------|------------------------------------|--|
| Tazewell County, VA | 16,531 | 2,694 | 16.30% |
| Virginia | 3,151,045 | 259,639 | 8.24% |
| United States | 120,756,048 | 14,171,567 | 11.74% |

Percent Households Receiving SNAP Benefits



Note: This indicator is compared to the state average.
Data Source: US Census Bureau, American Community Survey, 2015-19. Source geography: Tract

Social Vulnerability Index

The degree to which a community exhibits certain social conditions, including high poverty, low percentage of vehicle access, or crowded households, may affect that community's ability to prevent human suffering and financial loss in the event of disaster. These factors describe a community's social vulnerability.

The social vulnerability index is a measure of the degree of social vulnerability in counties and neighborhoods across the United States, where a higher score indicates higher vulnerability. The report area has a social vulnerability index score of 0.59, which is which is greater than the state average of 0.34.

| Report Area | Total Population | Socioeconomic Theme Score | Household Composition Theme Score | Minority Status Theme Score | Housing & Transportation Theme Score | Social Vulnerability Index Score |
|---------------------|------------------|---------------------------|-----------------------------------|-----------------------------|--------------------------------------|----------------------------------|
| Tazewell County, VA | 42,080 | 0.78 | 0.42 | 0.14 | 0.68 | 0.59 |
| Virginia | 8,413,774 | 0.29 | 0.23 | 0.74 | 0.40 | 0.34 |
| United States | 322,903,030 | 0.30 | 0.32 | 0.76 | 0.62 | 0.40 |

Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention and the National Center for Health Statistics, CDC - GRASP, 2018. Source geography: Tract

Teen Births

This indicator reports the seven-year average number of births per 1,000 female population age 15-19. Data were from the National Center for Health Statistics - Natality files (2013-2019) and are used for the 2021 County Health Rankings.

In the report area, of the 7,972 total female population age 15-19, the teen birth rate is 40.9 per 1,000, which is greater than the state's teen birth rate of 16.3.

Note: Data are suppressed for counties with fewer than 10 teen births in the time frame.

| Report Area | Female Population Age 15-19 | Teen Births, Rate per 1,000 Female Population Age 15-19 |
|---------------------|-----------------------------|---|
| Tazewell County, VA | 7,972 | 40.9 |
| Virginia | 3,706,265 | 16.3 |
| United States | 144,319,360 | 20.9 |

Teen birth rate per 1,000 female population, ages 15-19



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via County Health Rankings, 2013-2019. Source geography: County

Violent Crime - Total

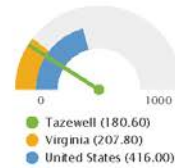
Violent crime includes homicide, rape, robbery, and aggravated assault.

Within the report area, the 3 year total of reported violent crimes was 229, which equates to an annual rate of 180.60 crimes per 100,000 people, lower than the statewide rate of 207.80.

| Report Area | Total Population | Violent Crimes, 3-year Total | Violent Crimes, Annual Rate (Per 100,000 Pop.) |
|---------------------|------------------|------------------------------|--|
| Tazewell County, VA | 42,256 | 229 | 180.60 |
| Virginia | 8,429,530 | 52,568 | 207.80 |
| United States | 366,886,849 | 4,579,031 | 416.00 |

Note: This indicator is compared to the state average.
 Data Source: Federal Bureau of Investigation, FBI Uniform Crime Reports. Additional analysis by the National Archive of Criminal Justice Data. Accessed via the Inter-university Consortium for Political and Social Research, 2015-17. Source geography: County

Violent Crimes, Annual Rate (Per 100,000 Pop.)



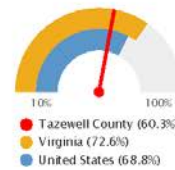
Voter Participation Rate

This indicator reports the percentage of the adult population that voted in the national elections on November 2, 2020. Results are preliminary as of December 14, 2020. Voter participation rates are calculated as a percentage of the voting age population (age 18+) and not as a percentage of registered voters. In the 2020 election, of the report area's 33,378 voting age population, 20,134 or 60.3% have cast a vote.

| Report Area | Total Citizens Age 18+ | Total Votes Cast | Voter Participation Rate |
|---------------------|------------------------|------------------|--------------------------|
| Tazewell County, VA | 33,378 | 20,134 | 60.3% |
| Virginia | 6,140,257 | 4,460,524 | 72.6% |
| United States | 230,428,731 | 158,433,557 | 68.8% |

Note: This indicator is compared to the state average.
 Data Source: Townhall.com Election Results, 2020. Source geography: County

Voter Participation Rate 2020



Physical Environment

A community's health also is affected by the physical environment. A safe, clean environment that provides access to healthy food and recreational opportunities is important to maintaining and improving community health.

Air & Water Quality - Ozone

Within the report area, 0, or 0.00% of days exceeded the emission standard of 75 parts per billion (ppb). This indicator reports the percentage of days per year with Ozone (O3) levels above the National Ambient Air Quality Standard of 75 parts per billion (ppb). Figures are calculated using data collected by monitoring stations and modeled to include census tracts where no monitoring stations exist. This indicator is relevant because poor air quality contributes to respiratory issues and overall poor health.

| Report Area | Total Population | Average Daily Ambient Ozone Concentration | Number of Days Exceeding Emissions Standards | Percentage of Days Exceeding Standards, Crude Average | Percentage of Days Exceeding Standards, Pop. Adjusted Average |
|---------------------|------------------|---|--|---|---|
| Tazewell County, VA | 45,078 | 39.77 | 0 | 0.00% | 0.00% |
| Virginia | 8,001,024 | 38.71 | 0 | 0.00% | 0.01% |
| United States | 306,675,006 | 37.87 | 1 | 0.27% | 0.39% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, CDC - National Environmental Public Health Tracking Network®, 2015. Source geography: Tract

Percentage of Days Exceeding Standards, Pop. Adjusted Average



Air & Water Quality - Particulate Matter 2.5

This indicator reports the percentage of days with particulate matter 2.5 levels above the National Ambient Air Quality Standard (35 micrograms per cubic meter) per year, calculated using data collected by monitoring stations and modeled to include counties where no monitoring stations occur. This indicator is relevant because poor air quality contributes to respiratory issues and overall poor health.

| Report Area | Total Population (2010) | Average Daily Ambient Particulate Matter 2.5 | Days Exceeding Emissions Standards | Days Exceeding Standards, Percent (Crude) | Days Exceeding Standards, Percent (Weighted) |
|---------------------|-------------------------|--|------------------------------------|---|--|
| Tazewell County, VA | 45,078 | 7.68 | 0 | 0.00 | 0.00% |
| Virginia | 8,001,024 | 7.79 | 0 | 0.00 | 0.02% |
| United States | 306,675,006 | 8.26 | 0 | 0 | 0.11% |

Days Exceeding Standards, Percent (Weighted)



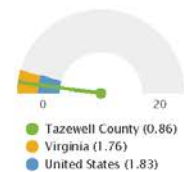
Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, CDC - National Environmental Public Health Tracking Network, 2016. Source geography: Tract

Air & Water Quality - Respiratory Hazard Index

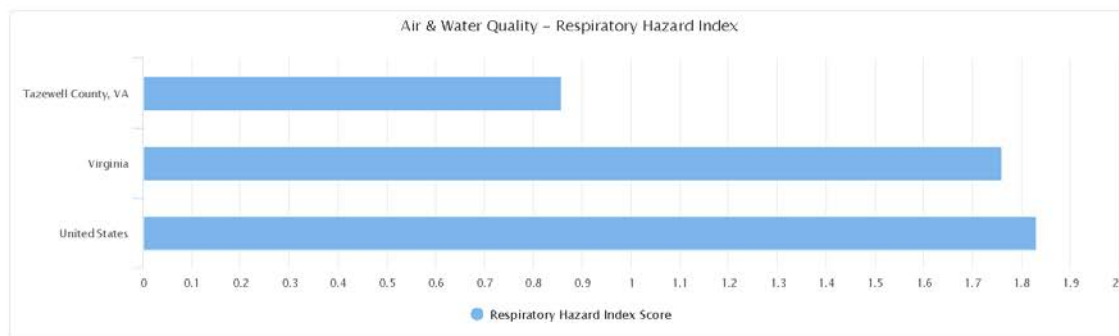
This indicator reports the non-cancer respiratory hazard index score. This score represents the potential for noncancer adverse health effects, where scores less than 1.0 indicate adverse health effects are unlikely, and scores of 1.0 or more indicate a potential for adverse health effects.

| Report Area | Total Population | Respiratory Hazard Index Score |
|---------------------|------------------|--------------------------------|
| Tazewell County, VA | 45,078 | 0.86 |
| Virginia | 8,001,023 | 1.76 |
| United States | 312,576,287 | 1.83 |

Respiratory Hazard Index Score



Note: This indicator is compared to the state average.
Data Source: EPA - National Air Toxics Assessment, 2011. Source geography: Census Tract

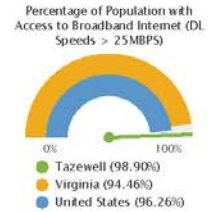


Built Environment - Broadband Access

This indicator reports the percentage of population with access to high-speed internet. Data are based on the reported service area of providers offering download speeds of 25 MBPS or more and upload speeds of 3 MBPS or more. This data represent both wireline and fixed/terrestrial wireless internet providers. Cellular internet providers are not included.

| Report Area | Total Population (2019) | Access to DL Speeds > 25MBPS (2020) |
|---------------------|-------------------------|-------------------------------------|
| Tazewell County, VA | 40,595 | 98.90% |
| Virginia | 8,540,997 | 94.46% |
| United States | 331,403,256 | 96.26% |

Note: This indicator is compared to the state average.
Data Source: National Broadband Map, June 2020. Source geography: Tract



Built Environment - Social Associations

This indicator reports the number of social associations per 10,000 population. Associations include membership organizations such as civic organizations, bowling centers, golf clubs, fitness centers, sports organizations, political organizations, labor organizations, business organizations, and professional organizations.

| Report Area | Total Population | Number of Establishments | Establishment Rate per 10,000 Population |
|---------------------|------------------|--------------------------|--|
| Tazewell County, VA | 45,078 | 49 | 10.87 |
| Virginia | No data | No data | No data |
| United States | No data | No data | No data |

Note: This indicator is compared to the state average.
Data Source: US Census Bureau, County Business Patterns. Additional data analysis by CARES, 2018. Source geography: County

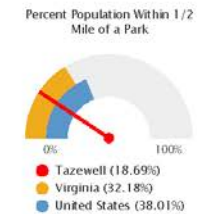


Community Design - Park Access (ESRI)

This indicator reports the percentage of population living within 1/2 mile of a park. This indicator is relevant because access to outdoor recreation encourages physical activity and other healthy behaviors.

| Report Area | Total Population, 2010 Census | Population Within 1/2 Mile of a Park | Percent Within 1/2 Mile of a Park |
|---------------------|-------------------------------|--------------------------------------|-----------------------------------|
| Tazewell County, VA | 45,078 | 8,427.00 | 18.69% |
| Virginia | 8,001,024 | 2,575,082.00 | 32.18% |
| United States | 308,745,538 | 117,361,303.00 | 38.01% |

Note: This indicator is compared to the state average.
Data Source: US Census Bureau, Decennial Census, ESRI Map Gallery, 2013. Source geography: Tract

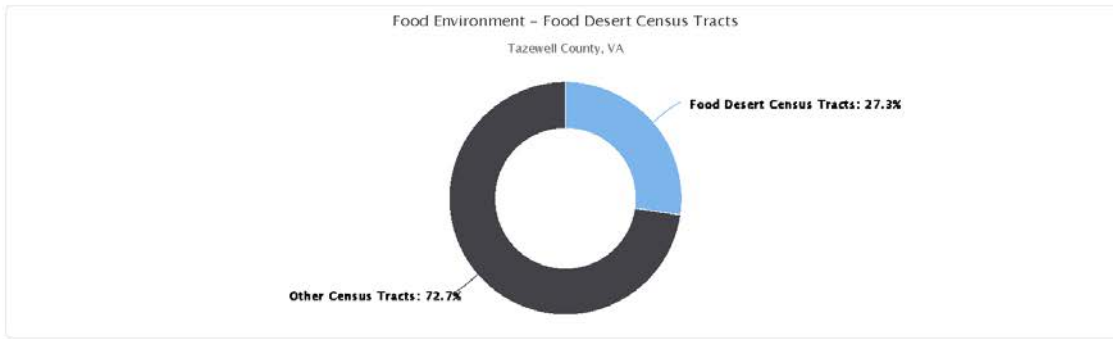


Food Environment - Food Desert Census Tracts

This indicator reports the number of neighborhoods in the report area that are within food deserts. The USDA Food Access Research Atlas defines a food desert as any neighborhood that lacks healthy food sources due to income level, distance to supermarkets, or vehicle access. The report area has a population of 12,740 living in food deserts and a total of 3 census tracts classified as food deserts by the USDA.

| Report Area | Total Population (2010) | Food Desert Census Tracts | Other Census Tracts | Food Desert Population | Other Population |
|---------------------|-------------------------|---------------------------|---------------------|------------------------|------------------|
| Tazewell County, VA | 45,078 | 3 | 8 | 12,740 | 32,338 |
| Virginia | 8,001,024 | 269 | 1,617 | 1,147,233 | 2,193,543 |
| United States | 308,745,538 | 9,293 | 63,238 | 39,074,974 | 81,328,997 |

Data Source: US Department of Agriculture, Economic Research Service, USDA - Food Access Research Atlas, 2019. Source geography: Tract

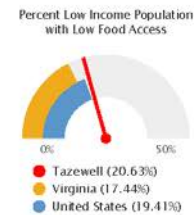


Food Environment - Low Income & Low Food Access

This indicator reports the percentage of the low income population with low food access. Low food access is defined as living more than ½ mile from the nearest supermarket, supercenter, or large grocery store. Data are from the April 2021 [Food Access Research Atlas](#) dataset. This indicator is relevant because it highlights populations and geographies facing food insecurity.

20.63% of the low-income population in the report area have low food access. The total low-income population in the report area with low food access is 3,734.

| Report Area | Total Population | Low Income Population | Low Income Population with Low Food Access | Percent Low Income Population with Low Food Access |
|---------------------|------------------|-----------------------|--|--|
| Tazewell County, VA | 45,078 | 18,100 | 3,734 | 20.63% |
| Virginia | 8,001,024 | 2,035,619 | 355,072 | 17.44% |
| United States | 308,745,538 | 97,055,825 | 18,834,033 | 19.41% |



Note: This indicator is compared to the state average.
Data Source: US Department of Agriculture, Economic Research Service, USDA - Food Access Research Atlas, 2019. Source geography: Tract

Clinical Care and Prevention

A lack of access to care presents barriers to good health. Supply of facilities and physicians, the rate of uninsurance, financial hardship, transportation barriers, cultural competency, and coverage limitations affect access.

Rates of morbidity, mortality, and emergency hospitalizations can be reduced if community residents access services such as health screenings, routine tests, and vaccinations. Prevention indicators can call attention to a lack of access or knowledge regarding one or more health issues and can inform program interventions.

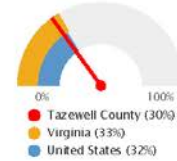
Cancer Screening - Mammogram (Medicare)

This indicator reports the percentage of female Medicare beneficiaries age 35 and older who had a mammogram in most recent reporting year. The American Cancer Society recommends that women age 45 to 54 should get a mammogram every year, and women age 55 and older should get a mammogram every other year. In the latest reporting period there were 7,914 Medicare beneficiaries in the report area, and 30% of female beneficiaries age 35 or older had a mammogram in the past year. The rate in the report area was lower than the state rate of 33% during the same time period.

| Report Area | Medicare Beneficiaries | Female Beneficiaries with Recent Mammogram, Percent |
|---------------------|------------------------|---|
| Tazewell County, VA | 7,914 | 30% |
| Virginia | 1,025,527 | 33% |
| United States | 33,648,235 | 32% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Medicare and Medicaid Services, Mapping Medicare Disparities Tool, 2017. Source geography: County

Percentage of Female Medicare Beneficiaries Age 35+ with Recent Mammogram



Cancer Screening - Pap Smear Test

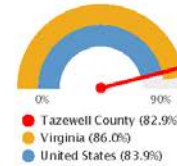
This indicator reports the percentage of females age 21–65 years who report having had a Papanicolaou (Pap) smear within the previous 3 years.

Within the report area there are 82.9% women who recently had a Papanicolaou of the total population.

| Report Area | Total Population(2010) | Percentage of Females age 21-65 with Recent Pap Smear |
|---------------------|------------------------|---|
| Tazewell County, VA | 40,855 | 82.9% |
| Virginia | 8,517,685 | 86.0% |
| United States | 327,167,434 | 83.9% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the 500 Cities Data Portal, 2018.

Percentage of Females Age 21–64 with Pap Smear in Past 3 Years



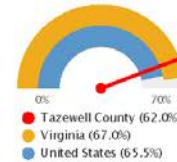
Cancer Screening - Sigmoidoscopy or Colonoscopy

Colorectal Cancer Screening

| Report Area | Total Population(2010) | Percentage of Adults with Adequate Colorectal Cancer Screening |
|---------------------|------------------------|--|
| Tazewell County, VA | 40,855 | 62.0% |
| Virginia | 8,517,685 | 67.0% |
| United States | 327,167,434 | 65.5% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the 500 Cities Data Portal, 2018.

Percentage of Adults Age 50–75 with Recent Colorectal Cancer Screening



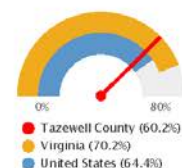
Dental Care Utilization

This indicator reports the percentage of adults age 18 and older who report having been to the dentist or dental clinic in the previous year.

Within the report area there are 60.2% adults who went to the dentist in the past year of the total population.

| Report Area | Total Population (2010) | Total Population(2010) | Percentage of Adults with Recent Dental Visit |
|---------------------|-------------------------|------------------------|---|
| Tazewell County, VA | 45,078 | 40,855 | 60.2% |
| Virginia | 8,001,024.00 | 8,517,685 | 70.2% |
| United States | 308,745,538.00 | 327,167,434 | 64.4% |

Percentage of Adults with Dental Visit in Past 1 Year



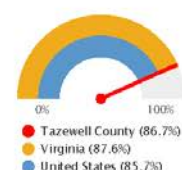
Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the 500 Cities Data Portal. 2018.

Diabetes Management - Hemoglobin A1c Test

This indicator reports the percentage of diabetic Medicare patients who have had a hemoglobin A1c (H1c) test, a blood test which measures blood sugar levels, administered by a health care professional in the past year. In the report area, 790 Medicare enrollees with diabetes have had an annual exam out of 911 Medicare enrollees in the report area with diabetes, or 86.7%. This indicator is relevant because engaging in preventive behaviors allows for early detection and treatment of health problems. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

| Report Area | Total Medicare Enrollees | Medicare Enrollees with Diabetes | Medicare Enrollees with Diabetes with Annual Exam | Medicare Enrollees with Diabetes with Annual Exam, Percent |
|---------------------|--------------------------|----------------------------------|---|--|
| Tazewell County, VA | 5,765 | 911 | 790 | 86.7% |
| Virginia | 832,699 | 98,165 | 85,970 | 87.6% |
| United States | 26,937,083 | 2,919,457 | 2,501,671 | 85.7% |

Medicare Enrollees with Diabetes with Annual Exam, Percent



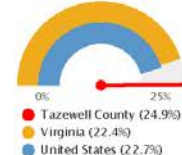
Note: This indicator is compared to the state average.
Data Source: Dartmouth College Institute for Health Policy & Clinical Practice, Dartmouth Atlas of Health Care. 2015. Source geography: County

Prevention - High Blood Pressure Management

This indicator reports the number and percentage of Medicare beneficiaries not adhering to blood pressure medication schedules. Nonadherence is defined having medication coverage days at less than 80%.

| Report Area | Medicare Beneficiaries | Blood Pressure Medication Nonadherence, Percentage |
|---------------------|------------------------|--|
| Tazewell County, VA | 11,557 | 24.9% |
| Virginia | 1,322,007 | 22.4% |
| United States | 53,841,665 | 22.7% |

Blood Pressure Medication Nonadherence among Medicare Beneficiaries %



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, CDC - Atlas of Heart Disease and Stroke. 2017. Source geography: County

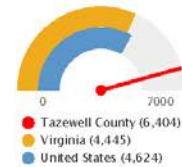
Hospitalizations - Preventable Conditions

This indicator reports the preventable hospitalization rate among Medicare beneficiaries for the latest reporting period. Preventable hospitalizations include hospital admissions for one or more of the following conditions: diabetes with short-term complications, diabetes with long-term complications, uncontrolled diabetes without complications, diabetes with lower-extremity amputation, chronic obstructive pulmonary disease, asthma, hypertension, heart failure, bacterial pneumonia, or urinary tract infection. Rates are presented per 100,000 beneficiaries. In the latest reporting period there were 7,914 Medicare beneficiaries in the report area. The preventable hospitalization rate was 6,404. The rate in the report area was higher than the state rate of 4,445 during the same time period.

| Report Area | Medicare Beneficiaries | Preventable Hospitalizations, Rate per 100,000 Beneficiaries |
|---------------------|------------------------|--|
| Tazewell County, VA | 7,914 | 6,404 |
| Virginia | 1,025,527 | 4,445 |
| United States | 33,648,235 | 4,624 |

Note: This indicator is compared to the state average.
Data Source: Centers for Medicare and Medicaid Services, *Mapping Medicare Disparities Tool*. 2017. Source geography: County

Preventable Hospital Events, Rate per 100,000 Beneficiaries



Hospitalizations - Emergency Room Visits

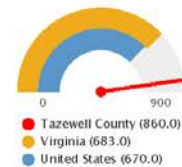
This indicator reports the number and rate of emergency room (ER) visits among Medicare beneficiaries age 65 and older. This indicator is relevant because emergency room visits are "high intensity" services that can burden on both health care systems and patients. High rates of emergency room visits "may indicate poor care management, inadequate access to care or poor patient choices, resulting in ED visits that could be prevented"¹.

In the latest reporting period there were 7,579 Medicare beneficiaries in the report area. Beneficiaries had 6,519 emergency room visits, and the rate of visits per 1,000 beneficiaries was 860.0. The ER visit rate in the report area was higher than the state rate of 683.0 during the same time period.

| Report Area | Medicare Part A and B Beneficiaries | Emergency Room Visits | Emergency Room Visits, Rate (per 1,000 Beneficiaries) |
|---------------------|-------------------------------------|-----------------------|---|
| Tazewell County, VA | 7,579 | 6,519 | 860.0 |
| Virginia | 1,046,853 | 714,629 | 683.0 |
| United States | 33,499,472 | 22,460,257 | 670.0 |

Note: This indicator is compared to the state average.
Data Source: Centers for Medicare and Medicaid Services, *CMS - Geographic Variation Public Use File*. 2018. Source geography: County

Emergency Room (ER) Visits, Rate per 1,000 Medicare Beneficiaries



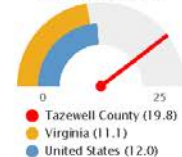
Hospitalizations - Heart Disease

This indicator reports the hospitalization rate for coronary heart disease among Medicare beneficiaries age 65 and older for hospital stays occurring between 2015 and 2017.

| Report Area | Medicare Beneficiaries | Cardiovascular Disease Hospitalizations, Rate per 1,000 |
|---------------------|------------------------|---|
| Tazewell County, VA | 11,557 | 19.8 |
| Virginia | 1,322,007 | 11.1 |
| United States | 54,513,056 | 12.0 |

Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, *CDC - Atlas of Heart Disease and Stroke*. 2015-2017. Source geography: County

Cardiovascular Disease Hospitalizations, Rate per 1,000 Medicare Beneficiaries

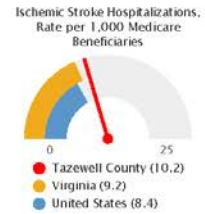


Hospitalizations - Stroke

This indicator reports the hospitalization rate for Ischemic stroke among Medicare beneficiaries age 65 and older for hospital stays occurring between 2015 and 2017.

| Report Area | Medicare Beneficiaries | Ischemic Stroke Hospitalizations, Rate per 1,000 |
|---------------------|------------------------|--|
| Tazewell County, VA | 11,557 | 10.2 |
| Virginia | 1,256,916 | 9.2 |
| United States | 54,513,056 | 8.4 |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, CDC - Atlas of Heart Disease and Stroke, 2015-2017. Source geography: County



Late or No Prenatal Care

This indicator reports the percentage of women who did not obtain prenatal care until the 7th month (or later) of pregnancy or who didn't have any prenatal care, as of all who gave birth during the three year period from 2017 to 2019. This indicator is relevant because engaging in prenatal care decreases the likelihood of maternal and infant health risks. This indicator can also highlight a lack of access to preventive care, a lack of health knowledge, insufficient provider outreach, and/or social barriers preventing utilization of services.

| Report Area | Total Births | Births with Late/No Care | % of Births with Late/No Care |
|---------------------|--------------|--------------------------|-------------------------------|
| Tazewell County, VA | Suppressed | Suppressed | Suppressed |
| Virginia | 297,663 | 14,281 | 4.80% |
| United States | 11,394,752 | 697,581 | 6.12% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER. Centers for Disease Control and Prevention, Wide-Ranging Online Data for Epidemiologic Research, 2019. Source geography: County

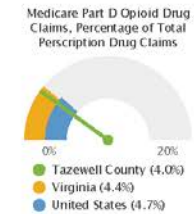


Opioid Drug Claims

This indicator provides information about Medicare Part D opioid drug claims. Report data includes the number of Medicare Part D claims (for both original prescriptions and refills), and the number of opioid drug claims as a percentage of total prescription drug claims.

| Report Area | Medicare Beneficiaries | Total Prescription Drug Claims | Opioid Drug Claims | Opioid Drug Claims, Percentage of Total Claims |
|---------------------|------------------------|--------------------------------|--------------------|--|
| Tazewell County, VA | 7,579 | 461,440 | 18,320 | 4.0% |
| Virginia | 1,046,853 | 31,488,408 | 1,388,036 | 4.4% |
| United States | 33,499,472 | 1,498,483,264 | 70,196,574 | 4.7% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Medicare and Medicaid Services, CMS - Geographic Variation Public Use File, 2018. Source geography: Zip Code

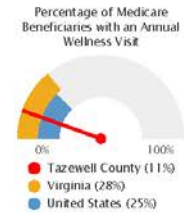


Prevention - Annual Wellness Exam (Medicare)

This indicator reports the percentage of Medicare beneficiaries who had one or more annual wellness visits in most recent reporting year. Annual wellness visits are visits to develop or update a personalized prevention plan and perform a health risk assessment. These services are fully covered once every 12 months. In the latest reporting period there were 7,914 Medicare beneficiaries in the report area, and 11% had an annual wellness visit. The rate in the report area was lower than the state rate of 28% during the same time period.

| Report Area | Medicare Beneficiaries | Beneficiaries with Annual Wellness Visit, Percent |
|---------------------|------------------------|---|
| Tazewell County, VA | 7,914 | 11% |
| Virginia | 1,025,527 | 28% |
| United States | 33,648,235 | 25% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Medicare and Medicaid Services, *Mapping Medicare Disparities Tool*, 2017. Source geography: County

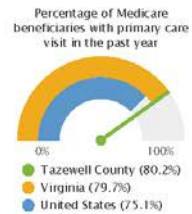


Prevention - Recent Primary Care Visit (Medicare)

This indicator reports the percentage of adults age 18+ who self-report having at least one routine check-up with a doctor in the past 12 months. Of the 5,765 Medicare Part B beneficiaries in the report area, 80.2% percent reported a recent primary care visit.

| Report Area | Medicare Part B Beneficiaries | Percentage of Medicare Beneficiaries with Recent Primary Care Visit |
|---------------------|-------------------------------|---|
| Tazewell County, VA | 5,765 | 80.2% |
| Virginia | 832,699 | 79.7% |
| United States | 26,937,083 | 75.1% |

Note: This indicator is compared to the state average.
 Data Source: Dartmouth College Institute for Health Policy & Clinical Practice, *Dartmouth Atlas of Health Care*, 2015. Source geography: County



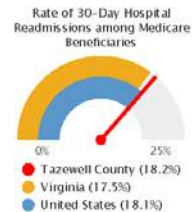
Readmissions - All Cause (Medicare Population)

This indicator reports the number and rate of 30-day hospital readmissions among Medicare beneficiaries age 65 and older. Hospital readmissions are unplanned visits to an acute care hospital within 30 days after discharge from a hospitalizations. Patients may have unplanned readmissions for any reason, however readmissions within 30 days are often related to the care received in the hospital, whereas readmissions over a longer time period have more to do with other complicating illnesses, patients' own behavior, or care provided to patients after hospital discharge¹.

In the latest reporting period there were 7,579 Medicare beneficiaries in the report area. 349, or 18.2% of hospitalizations resulted in a 30-day hospital readmission. The rate of readmissions in the report area was higher than the state rate of 17.5% during the same time period.

| Report Area | Medicare Part A and B Beneficiaries | 30-Day Hospital Readmissions | 30-Day Hospital Readmissions, Rate (per 1,000 Beneficiaries) |
|---------------------|-------------------------------------|------------------------------|--|
| Tazewell County, VA | 7,579 | 349 | 18.2% |
| Virginia | 1,046,853 | 43,745 | 17.5% |
| United States | 33,499,472 | 1,500,482 | 18.1% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Medicare and Medicaid Services, *CMS - Geographic Variation Public Use File*, 2018. Source geography: County

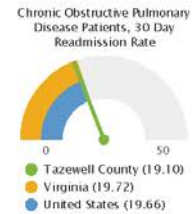


Readmissions - Chronic Obstructive Pulmonary Disease

This indicator reports the average 30-day rate of readmission for chronic obstructive pulmonary disease (COPD) patients in selected hospitals* within the report area. Readmission measures are estimates of the rate of unplanned readmission to an acute care hospital in the 30 days after discharge from a hospitalization due to chronic obstructive pulmonary disease (COPD).
 *For a list of hospitals within the report area, see the data tables below.

| Report Area | Discharges for COPD | 30-day Readmission Rate |
|---------------------|---------------------|-------------------------|
| Tazewell County, VA | 358 | 19.10 |
| Virginia | 22,264 | 19.72 |
| United States | 760,941 | 19.66 |

Note: This indicator is compared to the state average.
 Data Source: Centers for Medicare and Medicaid Services, CMS - Geographic Variation Public Use File, 2015-2018. Source geography: Address



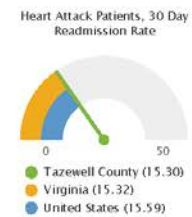
Readmissions - Heart Attack

This indicator reports the average 30-day rate of readmission for heart attack patients in selected hospitals* within the report area. Readmission measures are estimates of the rate of unplanned readmission to an acute care hospital in the 30 days after discharge from a hospitalization due to an acute myocardial infarction (heart attack).

*For a list of hospitals within the report area, see the data tables below.

| Report Area | Discharges for Heart Attack | 30-day Readmission Rate |
|---------------------|-----------------------------|-------------------------|
| Tazewell County, VA | 53 | 15.30 |
| Virginia | 13,914 | 15.32 |
| United States | 453,994 | 15.59 |

Note: This indicator is compared to the state average.
 Data Source: Centers for Medicare and Medicaid Services, CMS - Geographic Variation Public Use File, 2015-2018. Source geography: Address



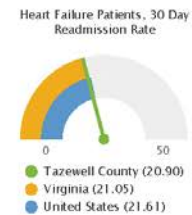
Readmissions - Heart Failure

This indicator reports the average 30-day rate of readmission for heart failure patients in selected hospitals* within the report area. Readmission measures are estimates of the rate of unplanned readmission to an acute care hospital in the 30 days after discharge from a hospitalization due to heart failure.

*For a list of hospitals within the report area, see the data tables below.

| Report Area | Discharges for Heart Failure | 30-day Readmission Rate |
|---------------------|------------------------------|-------------------------|
| Tazewell County, VA | 173 | 20.90 |
| Virginia | 38,776 | 21.05 |
| United States | 1,152,838 | 21.61 |

Note: This indicator is compared to the state average.
 Data Source: Centers for Medicare and Medicaid Services, CMS - Geographic Variation Public Use File, 2015-2018. Source geography: Address



Readmissions - Pneumonia

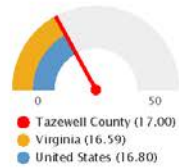
This indicator reports the average 30-day rate of readmission for pneumonia patients in selected hospitals* within the report area. Readmission measures are estimates of the rate of unplanned readmission to an acute care hospital in the 30 days after discharge from a hospitalization due to pneumonia.

*For a list of hospitals within the report area, see the data tables below.

| Report Area | Discharges for Pneumonia | 30-day Readmission Rate |
|---------------------|--------------------------|-------------------------|
| Tazewell County, VA | 208 | 17.00 |
| Virginia | 35,613 | 16.59 |
| United States | 1,284,198 | 16.80 |

Note: This indicator is compared to the state average.
 Data Source: Centers for Medicare and Medicaid Services, CMS - Geographic Variation Public Use File, 2015-2018. Source geography: Address

Pneumonia Patients, 30 Day Readmission Rate



Health Behaviors

Health behaviors such as poor diet, a lack of exercise, and substance abuse contribute to poor health status.

Alcohol - Heavy Alcohol Consumption

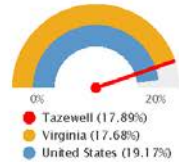
In the report area, 7,307, or 17.89% adults self-report excessive drinking in the last 30 days, which is greater than the state rate of 17.68%. Data for this indicator were based on survey responses to the 2018 Behavioral Risk Factor Surveillance System (BRFSS) annual survey and are used for the 2021 County Health Rankings.

Excessive drinking is defined as the percentage of the population who report at least one binge drinking episode involving five or more drinks for men and four or more for women over the past 30 days, or heavy drinking involving more than two drinks per day for men and more than one per day for women, over the same time period. Alcohol use is a behavioral health issue that is also a risk factor for a number of negative health outcomes, including: physical injuries related to motor vehicle accidents, stroke, chronic diseases such as heart disease and cancer, and mental health conditions such as depression and suicide. There are a number of evidence-based interventions that may reduce excessive/binge drinking; examples include raising taxes on alcoholic beverages, restricting access to alcohol by limiting days and hours of retail sales, and screening and counseling for alcohol abuse (Centers for Disease Control and Prevention, Preventing Excessive Alcohol Use, 2020).

| Report Area | Adult Population | Adults Reporting Excessive Drinking | Percentage of Adults Reporting Excessive Drinking |
|---------------------|------------------|-------------------------------------|---|
| Tazewell County, VA | 40,855 | 7,307 | 17.89% |
| Virginia | 8,517,685 | 1,505,986 | 17.68% |
| United States | 327,167,434 | 62,733,046 | 19.17% |

Note: This indicator is compared to the state average.
 Data Source: University of Wisconsin Population Health Institute, County Health Rankings, 2018. Source geography: County

Percentage of Adults Self-Reporting Excessive Drinking, 2018



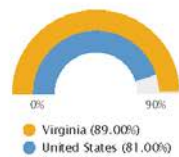
Breastfeeding (Any)

This indicator reports the percentage of mothers who are breastfeeding their infants at birth. This indicator is relevant because breastfeeding has positive health benefits for both infants and mothers and may lower infant mortality rates.

| Report Area | Total Population (Age 0 - 5) | Number Ever Breastfed | Percent Ever Breastfed |
|---------------------|------------------------------|-----------------------|------------------------|
| Tazewell County, VA | No data | No data | No data |
| Virginia | 542,528 | 483,235 | 89.00% |
| United States | 23,299,619 | 18,856,576 | 81.00% |

Note: This indicator is compared to the state average.
 Data Source: Child and Adolescent Health Measurement Initiative, National Survey of Children's Health, 2018. Source geography: State

Percentage of Children Ever Breastfed



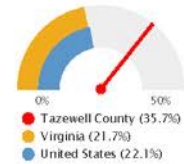
Physical Inactivity

Within the report area, 12,359 or 35.7% of adults aged 20 and older self-report no active leisure time, based on the question:

"During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?" This indicator is relevant because current behaviors are determinants of future health and this indicator may illustrate a cause of significant health issues, such as obesity and poor cardiovascular health.

| Report Area | Population Age 20+ | Adults with No Leisure Time Physical Activity | Adults with No Leisure Time Physical Activity, Percent |
|---------------------|--------------------|---|--|
| Tazewell County, VA | 32,353 | 12,359 | 35.7% |
| Virginia | 6,371,384 | 1,413,770 | 21.7% |
| United States | 243,068,284 | 55,261,407 | 22.1% |

Percentage of Adults with No Leisure-Time Physical Activity, 2017



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, 2017. Source geography: County

STI - Chlamydia Incidence

This indicator reports the number chlamydia cases occurring in the report area. Rates are presented per 100,000 population.

The number of cases are based on laboratory-confirmed diagnoses that occurred between January 1st and December 31st of the latest reporting year. These data are delivered to and analyzed by the CDC as part of the Nationally notifiable STD surveillance system.

| Report Area | Total Population | Chlamydia Infections | Chlamydia Infections, Rate per 100,000 Pop. |
|---------------------|------------------|----------------------|---|
| Tazewell County, VA | 41,095 | 72 | 175.2 |
| Virginia | 8,470,020 | 42,965 | 507.3 |
| United States | 325,719,178 | 1,758,668 | 539.9 |

Chlamydia Infection Rate (Per 100,000 Pop.)



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, 2018. Source geography: County

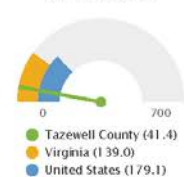
STI - Gonorrhea Incidence

This indicator reports the number gonorrhea cases occurring in the report area. Rates are presented per 100,000 population.

The number of cases are based on laboratory-confirmed diagnoses that occurred between January 1st and December 31st of the latest reporting year. These data are delivered to and analyzed by the CDC as part of the Nationally notifiable STD surveillance system.

| Report Area | Total Population | Gonorrhea Infections | Gonorrhea Infections, Rate per 100,000 Pop. |
|---------------------|------------------|----------------------|---|
| Tazewell County, VA | 41,095 | 17 | 41.4 |
| Virginia | 8,470,020 | 11,776 | 139.0 |
| United States | 325,719,178 | 583,405 | 179.1 |

Gonorrhea Infection Rate (Per 100,000 Pop.)



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, 2018. Source geography: County

STI - HIV Incidence

This indicator reports the incidence rate of HIV infection or infection classified as stage 3 (AIDS) per 100,000 population. Incidence refers to the number of confirmed diagnoses during a given time period, in this case is January 1st and December

31st of the latest reporting year.

| Report Area | Population Age 13+ | Total HIV / AIDS Infections | HIV / AIDS Infections, Rate per 100,000 Pop. |
|---------------------|--------------------|-----------------------------|--|
| Tazewell County, VA | No data | Suppressed | No data |
| Virginia | 7,174,624 | 858 | 12.0 |
| United States | 274,605,948 | 37,428 | 13.6 |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. 2018. Source geography: County

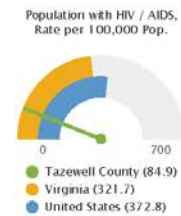


STI - HIV Prevalence

This indicator reports the prevalence of HIV in the report area as a rate per 100,000 population over age 13. The data reflect persons living with diagnosed HIV infection at the end of the latest reporting year, or persons living with infection ever classified as stage 3 (AIDS) at the end of the latest report year.

| Report Area | Population Age 13+ | Population with HIV / AIDS | Population with HIV / AIDS, Rate per 100,000 Pop. |
|---------------------|--------------------|----------------------------|---|
| Tazewell County, VA | 35,349 | 30 | 84.9 |
| Virginia | 7,174,624 | 23,081 | 321.7 |
| United States | 274,605,948 | 1,023,832 | 372.8 |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. 2018. Source geography: County



Health Outcomes

Measuring morbidity and mortality rates allows assessing linkages between social determinants of health and outcomes. By comparing, for example, the prevalence of certain chronic diseases to indicators in other categories (e.g., poor diet and exercise) with outcomes (e.g., high rates of obesity and diabetes), various causal relationship may emerge, allowing a better understanding of how certain community health needs may be addressed.

Cancer Incidence - All Sites

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of cancer (all sites) adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older).

Within the report area, there were 187 new cases of cancer reported. This means there is a rate of 307.1 for every 100,000 total population.

| Report Area | Estimated Total Population | New Cases (Annual Average) | Cancer Incidence Rate (Per 100,000 Population) |
|---------------------|----------------------------|----------------------------|--|
| Tazewell County, VA | 60,892 | 187 | 307.1 |
| Virginia | 9,546,743 | 39,724 | 416.1 |
| United States | 372,877,646 | 1,673,102 | 448.7 |

Note: This indicator is compared to the state average.
 Data Source: State Cancer Profiles. 2013-17. Source geography: County



Cancer Incidence - Breast

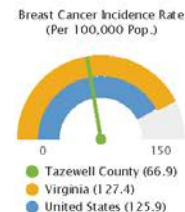
This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of females with breast cancer

adjusted to 2000 U.S. standard population age groups (Under Age 1, 1-4, 5-9, ..., 80-84, 85 and older).

Within the report area, there were 20 new cases of breast cancer. This means there is a rate of 66.9 for every 100,000 total population.

| Report Area | Estimated Total Population (Female) | New Cases (Annual Average) | Cancer Incidence Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|----------------------------|--|
| Tazewell County, VA | 29,895 | 20 | 66.9 |
| Virginia | 5,033,751 | 6,413 | 127.4 |
| United States | 194,131,056 | 244,411 | 125.9 |

Note: This indicator is compared to the state average.
Data Source: State Cancer Profiles, 2013-17. Source geography: County

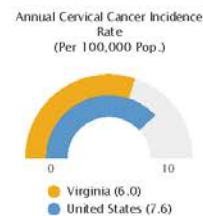


Cancer Incidence - Cervical

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of females with cervical cancer adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older).

| Report Area | Estimated Total Population (Female) | New Cases (Annual Average) | Cancer Incidence Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|----------------------------|--|
| Tazewell County, VA | No data | Suppressed | Suppressed |
| Virginia | 4,483,333 | 269 | 6.0 |
| United States | 168,855,263 | 12,833 | 7.6 |

Note: This indicator is compared to the state average.
Data Source: State Cancer Profiles, 2013-17. Source geography: County



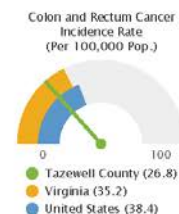
Cancer Incidence - Colon and Rectum

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of colon and rectum cancer adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older).

Within the report area, there were 16 new cases of colon and rectum cancer. This means there is a rate of 26.8 for every 100,000 total population.

| Report Area | Estimated Total Population | New Cases (Annual Average) | Cancer Incidence Rate (Per 100,000 Population) |
|---------------------|----------------------------|----------------------------|--|
| Tazewell County, VA | 59,701 | 16 | 26.8 |
| Virginia | 9,417,613 | 3,315 | 35.2 |
| United States | 370,377,604 | 142,225 | 38.4 |

Note: This indicator is compared to the state average.
Data Source: State Cancer Profiles, 2013-17. Source geography: County



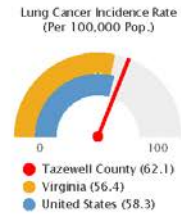
Cancer Incidence - Lung

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of colon and rectum cancer adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older).

Within the report area, there were 39 new cases of lung cancer. This means there is a rate of 62.1 for every 100,000 total population.

| Report Area | Estimated Total Population | New Cases (Annual Average) | Cancer Incidence Rate (Per 100,000 Population) |
|---------------------|----------------------------|----------------------------|--|
| Tazewell County, VA | 62,801 | 39 | 62.1 |
| Virginia | 9,617,021 | 5,424 | 56.4 |
| United States | 380,048,027 | 221,568 | 58.3 |

Note: This indicator is compared to the state average.
Data Source: State Cancer Profiles, 2013-17. Source geography: County



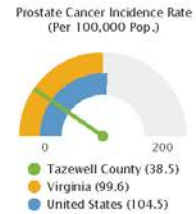
Cancer Incidence - Prostate

This indicator reports the age adjusted incidence rate (cases per 100,000 population per year) of males with prostate cancer adjusted to 2000 U.S. standard population age groups (Under age 1, 1-4, 5-9, ..., 80-84, 85 and older).

Within the report area, there were 12 new cases of prostate cancer. This means there is a rate of 38.5 for every 100,000 total population.

| Report Area | Estimated Total Population (Male) | New Cases (Annual Average) | Cancer Incidence Rate (Per 100,000 Population) |
|---------------------|-----------------------------------|----------------------------|--|
| Tazewell County, VA | 31,168 | 12 | 38.5 |
| Virginia | 4,757,028 | 4,738 | 99.6 |
| United States | 184,610,526 | 192,918 | 104.5 |

Note: This indicator is compared to the state average.
Data Source: State Cancer Profiles, 2013-17. Source geography: County



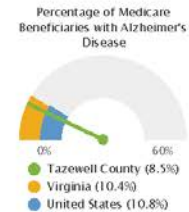
Chronic Conditions - Alzheimer's Disease (Medicare Population)

This indicator reports the number and percentage of Medicare fee-for-service population with Alzheimer's Disease. Data are based upon Medicare administrative enrollment and claims data for Medicare beneficiaries enrolled in the fee-for-service program.

Within the report area, there were 648 beneficiaries with Alzheimer's Disease based on administrative claims data in the latest report year. This represents 8.5% of the total Medicare fee-for-service beneficiaries

| Report Area | Total Medicare Fee-for-Service Beneficiaries | Beneficiaries with Alzheimer's Disease | Beneficiaries with Alzheimer's Disease, Percent |
|---------------------|--|--|---|
| Tazewell County, VA | 7,579 | 648 | 8.5% |
| Virginia | 1,046,853 | 108,819 | 10.4% |
| United States | 33,499,472 | 3,610,640 | 10.8% |

Note: This indicator is compared to the state average.
Data Source: Centers for Medicare and Medicaid Services, CMS - Geographic Variation Public Use File, 2018. Source geography: County



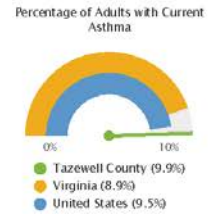
Chronic Conditions - Asthma Prevalence (Adult)

This indicator reports the percentage of adults age 18 and older who answer "yes" to both of the following questions: "Have you ever been told by a doctor, nurse, or other health professional that you have asthma?" and the question "Do you still have asthma?"

Within the report area, there were 9.9% of adults 18 and older who reported having asthma of the total population.

| Report Area | Total Population(2010) | Percentage of Adults with Asthma |
|---------------------|------------------------|----------------------------------|
| Tazewell County, VA | 40,855 | 9.9% |
| Virginia | 8,517,685 | 8.9% |
| United States | 327,167,434 | 9.5% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the 500 Cities Data Portal, 2018.



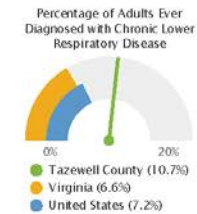
Chronic Conditions - Chronic Obstructive Pulmonary Disease (Adult)

This indicator reports the percentage of adults age 18 and older who report ever having been told by a doctor, nurse, or other health professional that they had chronic obstructive pulmonary disease (COPD), emphysema, or chronic bronchitis.

Within the report area, there were 10.7% of adults 18 and older who reported having chronic obstructive pulmonary disease of the total population.

| Report Area | Total Population(2010) | Percentage of Adults Ever Diagnosed with Chronic Lower Respiratory Disease |
|---------------------|------------------------|--|
| Tazewell County, VA | 40,855 | 10.7% |
| Virginia | 8,517,685 | 6.6% |
| United States | 327,167,434 | 7.2% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the 500 Cities Data Portal, 2018.



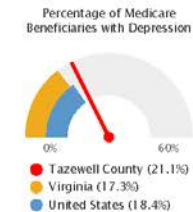
Chronic Conditions - Depression (Medicare Population)

This indicator reports the number and percentage of the Medicare fee-for-service population with depression. Data are based upon Medicare administrative enrollment and claims data for Medicare beneficiaries enrolled in the fee-for-service program.

Within the report area, there were 1,601 beneficiaries with depression based on administrative claims data in the latest report year. This represents 21.1% of the total Medicare fee-for-service beneficiaries.

| Report Area | Total Medicare Fee-for-Service Beneficiaries | Beneficiaries with Depression | Beneficiaries with Depression, Percent |
|---------------------|--|-------------------------------|--|
| Tazewell County, VA | 7,579 | 1,601 | 21.1% |
| Virginia | 1,046,853 | 181,166 | 17.3% |
| United States | 33,499,472 | 6,163,735 | 18.4% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Medicare and Medicaid Services, CMS - Geographic Variation Public Use File - 2018. Source geography: County

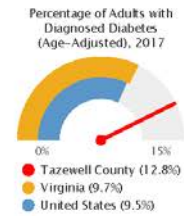


Chronic Conditions - Diabetes (Adult)

This indicator reports the number and percentage of adults age 20 and older who have ever been told by a doctor that they have diabetes. This indicator is relevant because diabetes is a prevalent problem in the U.S.; it may indicate an unhealthy lifestyle and puts individuals at risk for further health issues.

Within the report area, 4,971 of adults age 20 and older have diabetes. This represents 12.8% of the total survey population.

| Report Area | Population Age 20+ | Adults with Diagnosed Diabetes | Adults with Diagnosed Diabetes, Age-Adjusted Rate |
|---------------------|--------------------|--------------------------------|---|
| Tazewell County, VA | 32,279 | 4,971 | 12.8% |
| Virginia | 6,370,568 | 679,260 | 9.7% |
| United States | 245,628,960 | 25,942,874 | 9.5% |



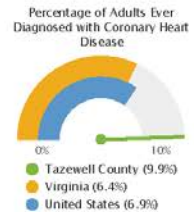
Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, 2017. Source geography: County

Chronic Conditions - Heart Disease (Adult)

This indicator reports the percentage of adults age 18 and older who report ever having been told by a doctor, nurse, or other health professional that they had angina or coronary heart disease.

Within the report area, there were 9.9% of adults 18 and older who reported having coronary heart disease of the total population.

| Report Area | Total Population(2010) | Percentage of Adults Ever Diagnosed with Coronary Heart Disease |
|---------------------|------------------------|---|
| Tazewell County, VA | 40,855 | 9.9% |
| Virginia | 8,517,685 | 6.4% |
| United States | 327,167,434 | 6.9% |



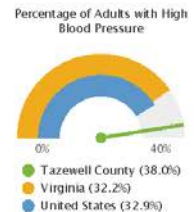
Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the 500 Cities Data Portal. 2018.

Chronic Conditions - High Blood Pressure (Adult)

This indicator reports the percentage of adults age 18 who report ever having been told by a doctor, nurse, or other health professional that they have high blood pressure. Women who were told high blood pressure only during pregnancy and those who were told they had borderline hypertension were not included.

Within the report area, there were 38.0% of adults 18 and older who reported having high blood pressure of the total population.

| Report Area | Total Population(2010) | Percentage of Adults with High Blood Pressure |
|---------------------|------------------------|---|
| Tazewell County, VA | 40,855 | 38.0% |
| Virginia | 8,517,685 | 32.2% |
| United States | 327,167,434 | 32.9% |



Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the 500 Cities Data Portal. 2018.

Chronic Conditions - High Cholesterol (Adult)

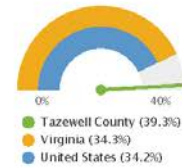
This indicator reports the percentage of adults age 18 and older who report having been told by a doctor, nurse, or other health professional that they had high cholesterol.

Within the report area, there were 39.3% of adults 18 and older who reported having high cholesterol of the total population.

| Report Area | Total Population(2010) | Percentage of Adults with High Cholesterol |
|---------------------|------------------------|--|
| Tazewell County, VA | 40,855 | 39.3% |
| Virginia | 8,517,685 | 34.3% |
| United States | 327,167,434 | 34.2% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the 500 Cities Data Portal, 2017.

Percentage of Adults with High Cholesterol



Chronic Conditions - Kidney Disease (Medicare Population)

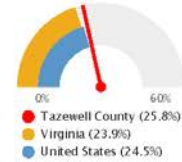
This indicator reports the number and percentage of the Medicare fee-for-service population with Kidney Disease. Data are based upon Medicare administrative enrollment and claims data for Medicare beneficiaries enrolled in the fee-for-service program.

Within the report area, there were 1,959 beneficiaries with Kidney Disease based on administrative claims data in the latest report year. This represents 25.8% of the total Medicare fee-for-service beneficiaries.

| Report Area | Total Medicare Fee-for-Service Beneficiaries | Beneficiaries with Chronic Kidney Disease | Percentage with Chronic Kidney Disease |
|---------------------|--|---|--|
| Tazewell County, VA | 7,579 | 1,959 | 25.8% |
| Virginia | 1,046,853 | 250,526 | 23.9% |
| United States | 33,499,472 | 8,199,666 | 24.5% |

Note: This indicator is compared to the state average.
 Data Source: Centers for Medicare and Medicaid Services, CMS - Geographic Variation Public Use File, 2018. Source geography: County

Percentage of Medicare Beneficiaries with Chronic Kidney Disease



Deaths of Despair (Suicide + Drug/Alcohol Poisoning)

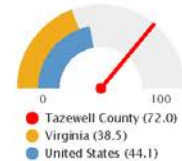
This indicator reports average rate of death due to intentional self-harm (suicide), alcohol-related disease, and drug overdose, also known as "deaths of despair", per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummared for report areas from county level data, only where data is available. This indicator is relevant because death of despair is an indicator of poor mental health.

Within the report area, there were 160 deaths of despair. This represents an age-adjusted death rate of 72.0 per every 100,000 total population.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 160 | 77.1 | 72.0 |
| Virginia | 8,463,605 | 17,231 | 40.7 | 38.5 |
| United States | 325,134,494 | 754,015 | 46.4 | 44.1 |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County

Deaths of Despair, Age-Adjusted Death Rate (Per 100,000 Population)



Low Birth Weight (CDC)

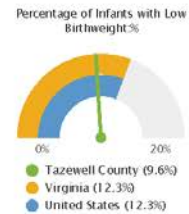
This indicator reports the percentage of live births where the infant weighed less than 2,500 grams (approximately 5 lbs., 8

oz.). These data are reported for a 7-year aggregated time period. Data were from the National Center for Health Statistics - Natality Files (2013-2019) and are used for the 2021 County Health Rankings.

Within the report area, there were 2,963 infants born with low birth weight. This represents 9.6% of the total live births. *Note: Data are suppressed for counties with fewer than 10 low birthweight births in the reporting period.*

| Report Area | Total Live Births | Low Birthweight Births | Low Birthweight Births, Percentage |
|---------------------|-------------------|------------------------|------------------------------------|
| Tazewell County, VA | 285 | 2,963 | 9.6% |
| Virginia | 114,764 | 1,416,954 | 12.3% |
| United States | 4,440,508 | 54,416,819 | 12.3% |

Note: This indicator is compared to the state average.
Data Source: University of Wisconsin Population Health Institute, County Health Rankings, 2013-2019. Source geography: County



Mortality - Infant Mortality (CDC)

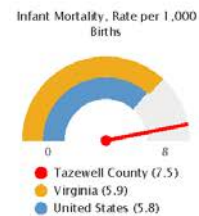
This indicator reports information about infant mortality, which is defined as the number of all infant deaths (within 1 year) per 1,000 live births. Data were from the National Center for Health Statistics - Mortality Files (2013-2019) and are used for the 2021 County Health Rankings.

Within the report area, 22 infant deaths occurred during the 2013-19 seven year period. This represents 7.5 deaths per 1,000 live births.

Note: Data are suppressed for counties with fewer than 20 infant deaths in the time frame.

| Report Area | Number of Infant Deaths | Deaths per 1,000 Live Births |
|---------------------|-------------------------|------------------------------|
| Tazewell County, VA | 22 | 7.5 |
| Virginia | 7,616 | 5.9 |
| United States | 301,832 | 5.8 |

Note: This indicator is compared to the state average.
Data Source: University of Wisconsin Population Health Institute, County Health Rankings, 2013-2019. Source geography: County



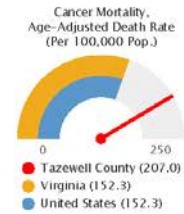
Mortality - Cancer

This indicator reports the 2015-2019 five-year average rate of death due to malignant neoplasm (cancer) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummairized for report areas from county level data, only where data is available. This indicator is relevant because cancer is a leading cause of death in the United States.

Within the report area, there are a total of 663 deaths due to cancer. This represents an age-adjusted death rate of 207.0 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 663 | 319.4 | 207.0 |
| Virginia | 8,463,605 | 75,231 | 177.8 | 152.3 |
| United States | 325,134,494 | 2,991,951 | 184.0 | 152.3 |



Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County

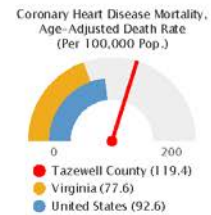
Mortality - Coronary Heart Disease

This indicator reports the 2015-2019 five-year average rate of death due to coronary heart disease (ICD10 Codes I20-I25) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummairized for report areas from county level data, only where data is available. This indicator is relevant because coronary heart disease is a leading cause of death in the United States.

Within the report area, there are a total of 379 deaths due to coronary heart disease. This represents an age-adjusted death rate of 119.4 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 379 | 182.6 | 119.4 |
| Virginia | 8,463,605 | 37,662 | 89.0 | 77.6 |
| United States | 325,134,494 | 1,822,811 | 112.1 | 92.6 |



Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County

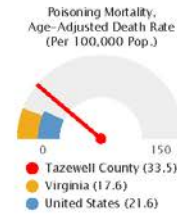
Mortality - Poisoning

This indicator reports the 2015-2019 five-year average rate of death due to poisoning (including drug overdose) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummairized for report areas from county level data, only where data is available. This indicator is relevant because poisoning deaths, especially from drug overdose, are a national public health emergency.

Within the report area, there are a total of 64 deaths due to poisoning. This represents an age-adjusted death rate of 33.5 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 64 | 30.8 | 33.5 |
| Virginia | 8,463,605 | 7,459 | 17.6 | 17.6 |
| United States | 325,134,494 | 350,184 | 21.5 | 21.6 |



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County

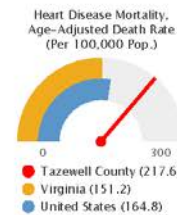
Mortality - Heart Disease

This indicator reports the 2015-2019 five-year average rate of death due to heart disease (ICD10 Codes I00-I09, I11, I13, I20-I151) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummairized for report areas from county level data, only where data is available. This indicator is relevant because heart disease is a leading cause of death in the United States.

Within the report area, there are a total of 683 deaths due to heart disease. This represents an age-adjusted death rate of 217.6 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 683 | 329.0 | 217.6 |
| Virginia | 8,463,605 | 72,724 | 171.9 | 151.2 |
| United States | 325,134,494 | 3,230,981 | 198.8 | 164.8 |



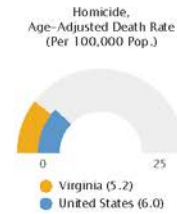
Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County

Mortality - Homicide

This indicator reports the 2015-2019 five-year average rate of death due to assault (homicide) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummairized for report areas from county level data, only where data is available. This indicator is relevant because homicide rate is a measure of poor community safety and is a leading cause of premature death.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | No data | No data | No data |
| Virginia | 8,463,605 | 2,145 | 5.1 | 5.2 |
| United States | 325,134,494 | 94,636 | 5.8 | 6.0 |



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County

Mortality - Life Expectancy (Census Tract)

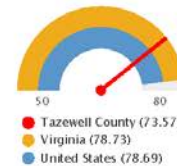
This indicator reports the average life expectancy at birth. Life expectancy measures the average number of years from birth a person can expect to live, according to the current mortality experience (age-specific death rates) of the population. Life expectancy takes into account the number of deaths in a given time period and the average number of people at risk of dying during that period, allowing us to compare data across census tracts with different population sizes.

Within the report area, the average life expectancy at birth is 73.57 of the total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population (2010-2015) | Life Expectancy at Birth (2010-15) |
|---------------------|------------------------------|------------------------------------|
| Tazewell County, VA | 43,870 | 73.57 |
| Virginia | 8,256,630 | 78.73 |
| United States | 320,098,094 | 78.69 |

Life Expectancy at Birth, 2010-2015



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention and the National Center for Health Statistics, U.S. Small-Area Life Expectancy Estimates Project, 2010-15. Source geography: Tract

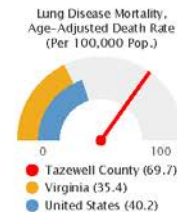
Mortality - Lung Disease

This indicator reports the 2015-2019 five-year average rate of death due to chronic lower respiratory disease per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummared for report areas from county level data, only where data is available. This indicator is relevant because lung disease is a leading cause of death in the United States.

Within the report area, there are a total of 234 deaths due to lung disease. This represents an age-adjusted death rate of 69.7 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 234 | 112.7 | 69.7 |
| Virginia | 8,463,605 | 17,096 | 40.4 | 35.4 |
| United States | 325,134,494 | 786,303 | 48.4 | 40.2 |



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County

Mortality - Motor Vehicle Crash

This indicator reports the 2015-2019 five-year average rate of death due to motor vehicle crash per 100,000 population, which include collisions with another motor vehicle, a nonmotorist, a fixed object, and a non-fixed object, an overturn, and any other non-collision. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. This indicator is relevant because motor vehicle crash deaths are preventable and they are a cause of premature death.

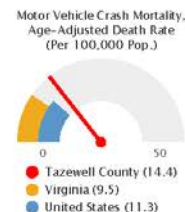
Within the report area, there are a total of 30 deaths due to motor vehicle crash. This represents an age-adjusted death rate of 14.4 per every 100,000 total population.

Note: Fatality counts are based on the location of the crash and not the decedent's residence.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 30 | 14.4 | 14.4 |
| Virginia | 8,463,605 | 4,195 | 9.9 | 9.5 |
| United States | 325,134,494 | 189,154 | 11.6 | 11.3 |

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County



Mortality - Motor Vehicle Crash, Alcohol-Involved

Motor vehicle crash deaths are preventable and are a leading cause of death among young persons. This indicator reports the crude rate of persons killed in motor vehicle crashes involving alcohol as a rate per 100,000 population. Fatality counts are based on the location of the crash and not the decedent's residence.

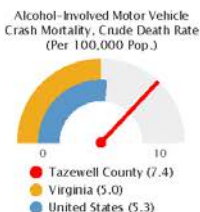
Within the report area, there are a total of 10 deaths due to motor vehicle crash. This represents an age-adjusted death rate of 7.4 per every 100,000 total population.

Note: Fatality counts are based on the location of the crash and not the decedent's residence.

| Report Area | Total Population (2010) | Alcohol-Involved Crash Deaths (2015-2019) | Alcohol-Involved Crash Deaths, Annual Rate per 100,000 Population |
|---------------------|-------------------------|---|---|
| Tazewell County, VA | 45,078 | 10 | 7.4 |
| Virginia | 7,994,802 | 1,192 | 5.0 |
| United States | 312,443,997 | 49,522 | 5.3 |

Note: This indicator is compared to the state average.

Data Source: US Department of Transportation, National Highway Traffic Safety Administration, Fatality Analysis Reporting System, 2015-2019. Source geography: Address



Mortality - Motor Vehicle Crash, Pedestrian

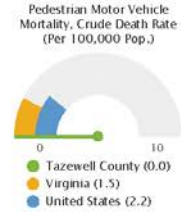
Motor vehicle crash deaths are preventable and are a leading cause of death among young persons. This indicator reports the crude rate of pedestrians killed by motor vehicles per 100,000 population. Fatality counts are based on the location of the crash and not the decedent's residence.

Within the report area, there are a total of 0 pedestrian deaths due to motor vehicle crash. This represents an age-adjusted death rate of 0.0 per every 100,000 total population.

Note: Fatality counts are based on the location of the crash and not the decedent's residence.

| Report Area | Total Population (2010) | Pedestrian Deaths (2015-2019) | Pedestrian Deaths, Annual Rate per 100,000 Population |
|---------------------|-------------------------|-------------------------------|---|
| Tazewell County, VA | 45,078 | 0 | 0.0 |
| Virginia | 7,994,802 | 365 | 1.5 |
| United States | 312,443,997 | 21,025 | 2.2 |

Note: This indicator is compared to the state average.
 Data Source: US Department of Transportation, National Highway Traffic Safety Administration, Fatality Analysis Reporting System, 2015-2019. Source geography: Address



Mortality - Opioid Overdose

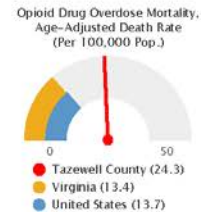
This indicator reports the 2015-2019 five-year average rate of death due to opioid drug overdose per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because opioid drug overdose is the leading cause of injury deaths in the United States, and they have increased dramatically in recent years.

Within the report area, there are a total of 44 deaths due to opioid overdose. This represents an age-adjusted death rate of 24.3 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 44 | 21.2 | 24.3 |
| Virginia | 8,463,605 | 5,598 | 13.2 | 13.4 |
| United States | 325,134,494 | 219,489 | 13.5 | 13.7 |

Note: This indicator is compared to the state average.
 Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County



Mortality - Premature Death

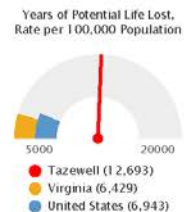
This indicator reports the Years of Potential Life Lost (YPLL) before age 75 per 100,000 population for all causes of death. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. YPLL measures premature death and is calculated by subtracting the age of death from the 75 year benchmark. Data were from the National Center for Health Statistics - Mortality Files (2017-2019) and are used for the 2021 County Health Rankings. This indicator is relevant because a measure of premature death can provide a unique and comprehensive look at overall health status.

Within the report area, there are a total of 956 premature deaths. This represents an age-adjusted death rate of 12,693 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the three-year time frame.

| Report Area | Premature Deaths, 2017-2019 | Years of Potential Life Lost, 2017-2019 Average | Years of Potential Life Lost, Rate per 100,000 Population |
|---------------------|-----------------------------|---|---|
| Tazewell County, VA | 956 | 14,134 | 12,693 |
| Virginia | 190,227 | 3,068,033 | 6,429 |
| United States | 7,697,253 | 126,961,190 | 6,943 |

Note: This indicator is compared to the state average.
 Data Source: University of Wisconsin Population Health Institute, County Health Rankings, 2017-2019. Source geography: County



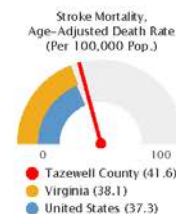
Mortality - Stroke

This indicator reports the 2015-2019 five-year average rate of death due to cerebrovascular disease (stroke) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because stroke is a leading cause of death in the United States.

Within the report area, there are a total of 124 deaths due to stroke. This represents an age-adjusted death rate of 41.6 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 124 | 59.7 | 41.6 |
| Virginia | 8,463,605 | 18,056 | 42.7 | 38.1 |
| United States | 325,134,494 | 726,663 | 44.7 | 37.3 |



*Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County*

Mortality - Suicide

This indicator reports the 2015-2019 five-year average rate of death due to intentional self-harm (suicide) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because suicide is an indicator of poor mental health.

Within the report area, there are a total of 51 deaths due to suicide. This represents an age-adjusted death rate of 24.1 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 51 | 24.6 | 24.1 |
| Virginia | 8,463,605 | 5,846 | 13.8 | 13.2 |
| United States | 325,134,494 | 232,186 | 14.3 | 13.8 |



*Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County*

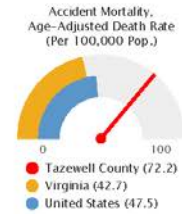
Mortality - Unintentional Injury (Accident)

This indicator reports the 2015-2019 five-year average rate of death due to unintentional injury (accident) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummarized for report areas from county level data, only where data is available. This indicator is relevant because accidents are a leading cause of death in the United States.

Within the report area, there are a total of 165 deaths due to unintentional injury. This represents an age-adjusted death rate of 72.2 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 165 | 79.5 | 72.2 |
| Virginia | 8,463,605 | 18,991 | 44.9 | 42.7 |
| United States | 325,134,494 | 818,048 | 50.3 | 47.5 |



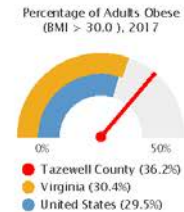
Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County

Obesity

This indicator reports the number and percentage of adults aged 20 and older self-report having a Body Mass Index (BMI) greater than 30.0 (obese). Respondents were considered obese if their Body Mass Index (BMI) was 30 or greater. Body mass index (weight [kg]/height [m]²) was derived from self-report of height and weight. Excess weight may indicate an unhealthy lifestyle and puts individuals at risk for further health issues.

Within the report area, there are a total of 11,805 adults age 20 and older who self-reported having a BMI greater than 30.0. This represents a 36.2% of the survey population.

| Report Area | Population Age 20+ | Adults with BMI > 30.0 (Obese) | Adults with BMI > 30.0 (Obese), Percent |
|---------------------|--------------------|--------------------------------|---|
| Tazewell County, VA | 32,342 | 11,805 | 36.2% |
| Virginia | 6,372,854 | 1,946,059 | 30.4% |
| United States | 243,101,202 | 72,159,365 | 29.5% |



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Center for Chronic Disease Prevention and Health Promotion, 2017. Source geography: County

Mortality - Influenza & Pneumonia

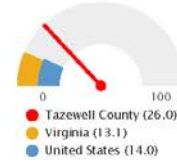
This indicator reports the 2015-2019 five-year average rate of death due to influenza and pneumonia (ICD10 Codes J09-J18) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are resummairized for report areas from county level data, only where data is available. This indicator is relevant because influenza and pneumonia is a leading cause of death in the United States.

Within the report area, there are a total of 83 deaths due to influenza and pneumonia. This represents an age-adjusted death rate of 26.0 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the three-year time frame.

| Report Area | Total Population, 2015-2019 Average | Five Year Total Deaths, 2015-2019 Total | Crude Death Rate (Per 100,000 Population) | Age-Adjusted Death Rate (Per 100,000 Population) |
|---------------------|-------------------------------------|---|---|--|
| Tazewell County, VA | 41,519 | 83 | 40.0 | 26.0 |
| Virginia | 8,463,605 | 6,221 | 14.7 | 13.1 |
| United States | 325,134,494 | 273,174 | 16.8 | 14.0 |

Influenza & Pneumonia Mortality, Age-Adjusted Death Rate (Per 100,000 Pop.)



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, National Vital Statistics System. Accessed via CDC WONDER, 2015-2019. Source geography: County

Poor or Fair Health

This indicator reports the percentage of adults age 18 and older who self-report having poor or fair health (age-adjusted to the 2000 standard). Data were from the 2018 Behavioral Risk Factor Surveillance System (BRFSS) annual survey and are used for the 2021 County Health Rankings. This indicator is relevant because it is a measure of general poor health status.

Within the report area there are 2,030 persons aged 18 and older who self-report having poor or fair health. This represents 21.3% of the total population aged 18 and older, which is greater than the state rate of 16.6%.

| Report Area | Population Age 18+ | Adults with Poor or Fair Health | Percentage of Adults with Poor or Fair Health |
|---------------------|--------------------|---------------------------------|---|
| Tazewell County, VA | 9,537 | 2,030 | 21.3% |
| Virginia | 4,549,102 | 754,745 | 16.6% |
| United States | 172,018,492 | 30,907,322 | 18.0% |

Percentage of Adults with Fair or Poor Health



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via County Health Rankings, 2018. Source geography: County

Poor Mental Health - Days

This indicator reports the average number of self-reported mentally unhealthy days in past 30 days among adults (age-adjusted to the 2000 standard). Data were from the 2018 Behavioral Risk Factor Surveillance System (BRFSS) annual survey and are used for the 2021 County Health Rankings.

Of the 9,537 total adults in the report area, the average poor mental health days is 5.1 per month, which is greater than the state's monthly average of 4.1.

| Report Area | Population Age 18+ | Average Poor Mental Health Days per Month |
|---------------------|--------------------|---|
| Tazewell County, VA | 9,537 | 5.1 |
| Virginia | 2,274,551 | 4.1 |
| United States | 86,000,079 | 4.4 |

Number of Poor Mental Health Days per Month



Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via County Health Rankings, 2018. Source geography: County

Poor Physical Health - Days

This indicator reports the average number of self-reported physically unhealthy days in past 30 days among adults. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Data were from the 2018 Behavioral Risk Factor

Surveillance System (BRFSS) annual survey and are used for the 2021 County Health Rankings.

Within the report area, there are a total of 5.0 average days of poor physical health days per month among adults 18 and older.

| Report Area | Population Age 18+ | Average Poor Physical Health Days per Month |
|---------------------|--------------------|---|
| Tazewell County, VA | 9,537 | 5.0 |
| Virginia | 4,549,102 | 3.6 |
| United States | 172,018,492 | 4.0 |

*Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via County Health Rankings, 2018. Source geography: County*



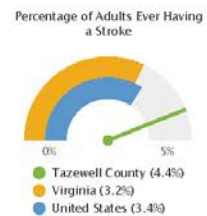
Stroke (Adult)

This indicator reports the number and percentage of adults age 18 and older who report ever having been told by a doctor, nurse, or other health professional that they have had a stroke.

Within the report area, there were 4.4% of adults 18 and older who reported having a stroke of the total population.

| Report Area | Total Population(2010) | Percentage of Adults Ever Having a Stroke |
|---------------------|------------------------|---|
| Tazewell County, VA | 40,855 | 4.4% |
| Virginia | 8,517,685 | 3.2% |
| United States | 327,167,434 | 3.4% |

*Note: This indicator is compared to the state average.
Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the SDO Cities Data Portal, 2018.*



Healthcare Workforce

A lack of access to care presents barriers to good health. The supply and accessibility of facilities and physicians, the rate of uninsurance, financial hardship, transportation barriers, cultural competency, and coverage limitations affect access.

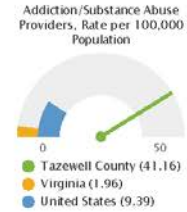
Rates of morbidity, mortality, and emergency hospitalizations can be reduced if community residents access services such as health screenings, routine tests, and vaccinations. Prevention indicators can call attention to a lack of access or knowledge regarding one or more health issues and can inform program interventions.

Access to Care - Addiction/Substance Abuse Providers

This indicator reports the number of providers who specialize in addiction or substance abuse treatment, rehabilitation, addiction medicine, or providing methadone. The providers include Doctors of Medicine (MDs), Doctor of Osteopathic Medicine (DOs), and other credentialed professionals with a Center for Medicare and Medicaid Services (CMS) and a valid National Provider Identifier (NPI). The number of facilities that specialize in addiction and substance abuse treatment are also listed (but are not included in the calculated rate). Data are from latest Centers for Medicare and Medicaid Services (CMS) National Plan and Provider Enumeration System (NPPES) Downloadable File.

Within the report area there are 17 providers who specialize in addiction or substance abuse. This represents 41.16 providers per 100,000 total population.

| Report Area | Total Population (2017) | Number of Facilities | Number of Providers | Providers, Rate per 100,000 Population |
|---------------------|-------------------------|----------------------|---------------------|--|
| Tazewell County, VA | 41,303 | 2 | 17 | 41.16 |
| Virginia | 16,927,174 | 143 | 332 | 1.96 |
| United States | 649,971,078 | 13,986 | 61,053 | 9.39 |



Note: This indicator is compared to the state average.
Data Source: Centers for Medicare and Medicaid Services, CMS - National Plan and Provider Enumeration System (NPPES), May, 2021. Source geography: Address

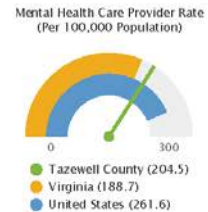
Access to Care - Mental Health

This indicator reports the number of mental health providers in the report area as a rate per 100,000 total area population. Mental health providers include psychiatrists, psychologists, clinical social workers, and counsellors that specialize in mental health care. Data from the 2020 Centers for Medicare and Medicaid Services (CMS) National Provider Identifier (NPI) downloadable file are used in the 2021 County Health Rankings.

Within the report area there are 83 mental health providers with a CMS National Provider Identifier (NPI). This represents 204.5 providers per 100,000 total population.

Note: Data are suppressed for counties with population greater than 1,000 and 0 mental health providers.

| Report Area | Estimated Population | Number of Mental Health Providers | Ratio of Mental Health Providers to Population (1 Provider per x Persons) | Mental Health Care Provider Rate (Per 100,000 Population) |
|---------------------|----------------------|-----------------------------------|---|---|
| Tazewell County, VA | 40,595 | 83 | 489.1 | 204.5 |
| Virginia | 17,023,773 | 32,119 | 530 | 188.7 |
| United States | 655,362,202 | 1,714,472 | 382.3 | 261.6 |



Note: This indicator is compared to the state average.
Data Source: Centers for Medicare and Medicaid Services, CMS - National Plan and Provider Enumeration System (NPPES), Accessed via County Health Rankings, 2020. Source geography: County

Health Professional Shortage Areas - All

This indicator reports the number and location of health care facilities designated as "Health Professional Shortage Areas" (HPSAs), defined as having shortages of primary medical care, dental or mental health providers. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.

Within the report area, there is a total of 4 Health Professional Shortage Areas (HPSAs).

| Report Area | Primary Care Facilities | Mental Health Care Facilities | Dental Health Care Facilities | Total HPSA Facility Designations |
|---------------------|-------------------------|-------------------------------|-------------------------------|----------------------------------|
| Tazewell County, VA | 3 | 1 | 0 | 4 |
| Virginia | 46 | 57 | 32 | 135 |
| United States | 3,979 | 3,617 | 3,432 | 11,028 |

Data Source: US Department of Health & Human Services, Health Resources and Services Administration, HRSA - Health Professional Shortage Areas Database, May 2021. Source geography: Address

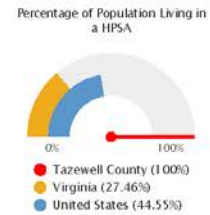
Health Professional Shortage Areas - Dental Care

This indicator reports the percentage of the population that is living in a geographic area designated as a "Health Professional Shortage Area" (HPSA), defined as having a shortage of dental health professionals. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.

Within the report area, there are 45,078 people living in a Health Professional Shortage Area of dental health professionals. This means 100% of people don't have access to a dentist.

| Report Area | Total Area Population | Population Living in a HPSA | Percentage of Population Living in a HPSA |
|---------------------|-----------------------|-----------------------------|---|
| Tazewell County, VA | 45,078 | 45,078 | 100% |
| Virginia | 8,001,024 | 2,197,080 | 27.46% |
| United States | 308,745,538 | 137,561,125 | 44.55% |

Note: This indicator is compared to the state average.
 Data Source: US Department of Health & Human Services, Health Resources and Services Administration, HPSA - Health Professional Shortage Areas Database, May 2021. Source geography: HPSA



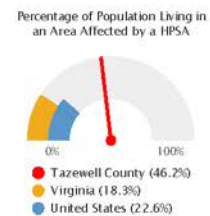
Population Living in a Health Professional Shortage Area

This indicator reports the percentage of the population that is living in a geographic area designated as a "Health Professional Shortage Area" (HPSA), defined as having a shortage of primary medical care, dental or mental health professionals. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.

Within the report area, there are 19,214 people living in a Health Professional Shortage Area of primary care, dental or mental health professionals. This represents 46.2% of the total population.

| Report Area | Total Population (ACS 2017 5-Year Estimates) | Population Living in an Area Affected by a HPSA | Percentage of Population Living in an Area Affected by a HPSA | Percentage of HPSA Population Underserved |
|---------------------|--|---|---|---|
| Tazewell County, VA | 41,603 | 19,214 | 46.2% | 40.0% |
| Virginia | 8,454,463 | 1,544,500 | 18.3% | 37.0% |
| United States | 324,697,795 | 73,493,673 | 22.6% | 53.7% |

Note: This indicator is compared to the state average.
 Data Source: US Department of Health & Human Services, Health Resources and Services Administration, HPSA - Health Professional Shortage Areas Database, May 2021. Source geography: HPSA



Special Topics - COVID-19

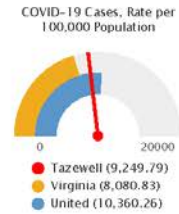
Indicators in this section are part of a series of rotating special topics. These indicators are publicly available to all users to help inform response to current events.

COVID-19 - Confirmed Cases

This indicator reports incidence rate of confirmed COVID-19 cases per 100,000 population. Data for this indicator are updated daily and derived from the Johns Hopkins University data feed.

In the report area, there have been 3,779 total confirmed cases of COVID-19. The rate of confirmed cases is 9,249.79 per 100,000 population, which is greater than the state average of 8,080.83. Data are current as of 07/23/2021.

| Report Area | Total Population | Total Confirmed Cases | Confirmed Cases, Rate per 100,000 Population | Last Update |
|---------------------|------------------|-----------------------|--|-------------|
| Tazewell County, VA | 40,855 | 3,779 | 9,249.79 | 07/23/2021 |
| Virginia | 8,517,685 | 688,300 | 8,080.83 | 07/23/2021 |
| United States | 326,262,499 | 33,801,636 | 10,360.26 | 07/23/2021 |

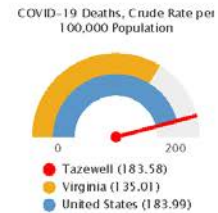


Note: This indicator is compared to the state average.
 Data Source: Johns Hopkins University. Accessed via ESRI. Additional data analysis by CARES. 2021. Source geography: County

COVID-19 - Mortality

In the report area, there have been 75 total deaths among patients with confirmed cases of the coronavirus disease COVID-19. The mortality rate in the report area is 183.58 per 100,000 population, which is greater than the state average of 135.01. Data are current as of 07/23/2021.

| Report Area | Total Population | Total Deaths | Deaths, Rate per 100,000 Population | Last Update |
|---------------------|------------------|--------------|-------------------------------------|-------------|
| Tazewell County, VA | 40,855 | 75 | 183.58 | 07/23/2021 |
| Virginia | 8,517,685 | 11,500 | 135.01 | 07/23/2021 |
| United States | 326,262,499 | 600,285 | 183.99 | 07/23/2021 |



Note: This indicator is compared to the state average.
 Data Source: Johns Hopkins University. Accessed via ESRI. Additional data analysis by CARES. 2021. Source geography: County

Social Distancing - Mobility Reports (Google)

The table below displays data from the Google mobility reports. These reports show how visits and length of stay at different places change compared to a baseline. The baseline is the median value, for the corresponding day of the week, during the 5-week period Jan 3–Feb 6, 2020. Google prepared this report to help you and public health officials understand responses to social-distancing guidance related to COVID-19.

| Report Area | Report Date | Retail and recreation | Grocery and pharmacy | Parks | Transit stations | Workplaces | Residential |
|---------------------|-----------------------|-----------------------|----------------------|---------|------------------|------------|-------------|
| Tazewell County, VA | 7/18/2021 12:00:00 AM | 15% | No data | No data | No data | -16% | No data |
| Virginia | 7/18/2021 12:00:00 AM | -2% | 6% | 93% | 5% | -9% | No data |
| United States | 7/18/2021 12:00:00 AM | -1% | 3% | 59% | -5% | -11% | No data |

Data Source: Google Mobility Reports. Accessed via GitHub. July 18, 2021. Source geography: County

<https://sparkmap.org>, 7/23/2021