



Johnston Memorial Hospital: Community Health Needs Assessment

Ballad Health

June 30, 2021

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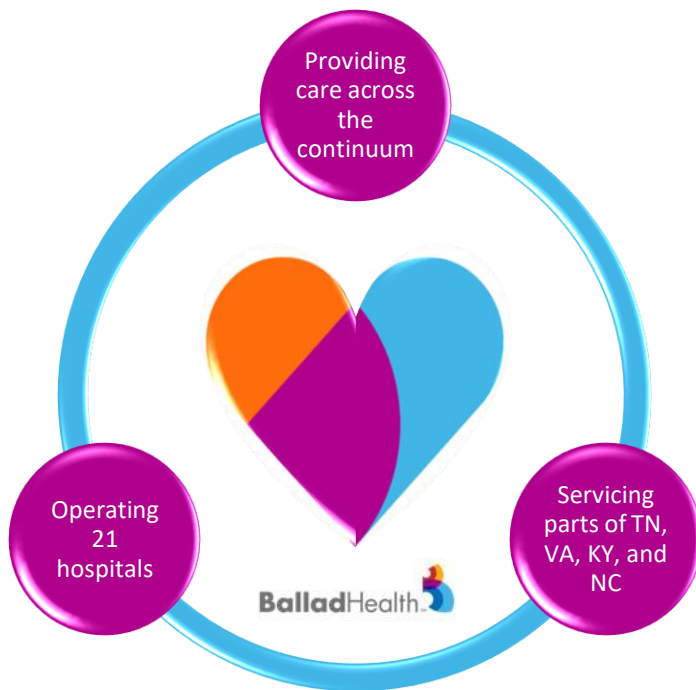
1 Introduction

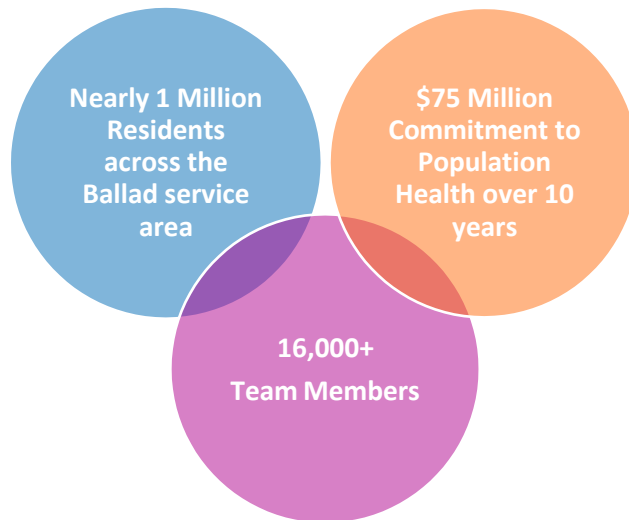
Johnston Memorial Hospital, located in Abingdon, Virginia, is one of the hospitals within the Ballard Health system. Ballard Health is an integrated healthcare system serving 29 counties of Northeast Tennessee, Southwest Virginia, Northwest North Carolina, and Southeast Kentucky. Ballard was created upon the merger of two large regional health systems, Mountain States Health Alliance and Wellmont Health System, on February 1st, 2018. Through rigorous state oversight, these two competitors have been granted the ability to merge into an integrated healthcare delivery system with a simple and concise mission: to improve the health of the people we serve.

Ballad Health operates a family of 21 hospitals, including three tertiary care facilities, a dedicated children's hospital, community hospitals, three critical access hospitals, a behavioral health hospital, an addiction treatment facility, long-term care facilities, home care and hospice services, retail pharmacies, outpatient services and a comprehensive medical management corporation.

Ballad's hospitals include:

- Bristol Regional Medical Center
- Dickenson Community Hospital
- Franklin Woods Community Hospital
- Greeneville Community Hospital
- Hancock County Hospital
- Hawkins County Memorial Hospital
- Holston Valley Medical Center
- Indian Path Community Hospital
- Johnson City Medical Center
- Johnson County Community Hospital
- Johnston Memorial Hospital
- Lonesome Pine Hospital
- Mountain View Regional Hospital
- Niswonger Children's Hospital
- Norton Community Hospital
- Russell County Hospital
- Smyth County Community Hospital
- Sycamore Shoals Hospital
- Unicoi County Hospital
- Woodridge Hospital



**Ballad Health Mission:**

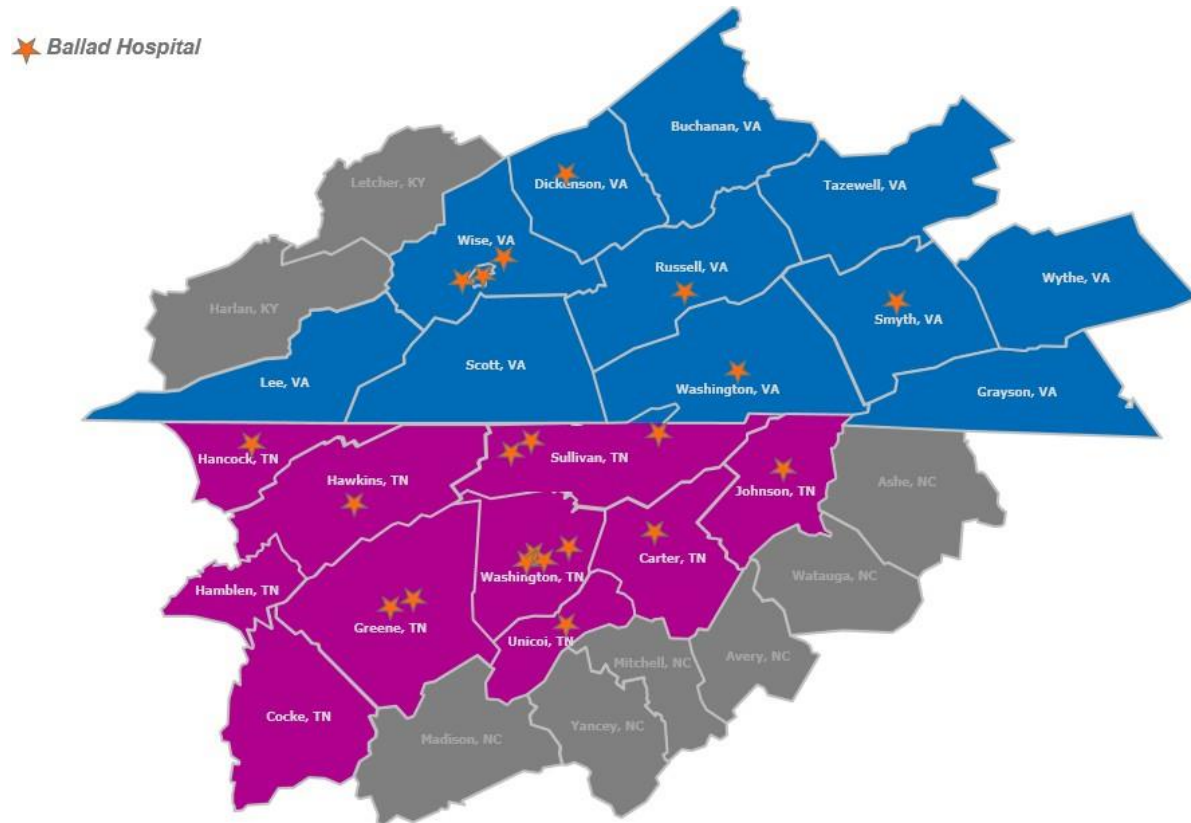
Ballad Health is committed to honoring those we serve by delivering the best possible care.

Ballad Health Vision:

To build a legacy of superior health by listening to and caring for those we serve.

The tagline of Ballad Health - "It's your story. We're listening." - is more than a marketing tool. Through the comprehensive state oversight and merger processes, Ballad Health system was created to meet and address local health needs. Realizing that people want to receive care from someone who really listens to them, the organization's name and tagline speak to the fact that good health is about more than healthcare – it's the story of people's lives. Located in the heart of Appalachia, Ballad Health pays homage to the traditions and stories that have shaped people's lives; yet, the organization also looks for new ways to partner with individuals and communities to make the region a healthier place to live and work.

With hospitals and services strategically placed throughout the region, Ballad Health is positioned to be the region's largest health care provider. The system's primary service area is comprised of 21 counties across Northeast Tennessee and Southwest Virginia, with a secondary service area encompassing an additional six counties in Western North Carolina and two counties in Southeastern Kentucky.



2 Executive Summary

Ballad Health is heavily invested in the health and well-being of its communities. In addition to its enhanced focus on population health management through the merger of the two legacy health systems, Ballad is also the largest employer in the region and the fourth largest employer in the State of Tennessee. Being such a prominent member of the regional economic community, Ballad has a strong desire to improve the health of the region, as well as its employees and their families. Realizing that health is tied to more than just genetics, Ballad is working towards a deeper understanding of the socioeconomic issues that face the population's ability to improve their overall health status. Social determinants of health related to topics such as access to care and the ability to understand complex health conditions often times go hand in hand with people's capacity to make optimal health decisions. Nevertheless, Ballad Health views the current health disparities of the Appalachian region as the opportunity to go beyond the walls of the hospital and work hand-in-hand with communities to make sustainable change happens for generations to come.

As part of the state oversight process, Ballad Health and its hospitals and entities have committed to improving the health status of its service area counties by agreeing to focus on an index of access, quality and population health measures. The population health metrics create a platform for Ballad Health to further engage the efforts of its hospitals in partnership with the surrounding communities in order to drive change in a region that has a number of health disparities and access challenges. Leveraging the community health needs assessment (community health needs assessment) process has helped Ballad to further understand and educate on the health disparities that appear across the individual communities within its service area and has also helped the organization prioritize those issues that are most important in each hospital's community.

In order for Ballad to serve its region most effectively, it is essential to understand each community's individual needs. As such, Ballad Health conducted community health needs assessments guided by frameworks and best practices in order to successfully profile the health of the residents within its service areas. Activities associated with the development of this assessment have taken place from summer of 2020 through the spring of 2021. Primary data was obtained through key stakeholder surveys and focus groups with participants from the local communities, while secondary data was collated from national, state, regional, and county-specific data sources.

Throughout this community health needs assessment process, high priority was given to determining the health disparities and available resources within each community. Key stakeholders from each county participated in focus groups where discussion was centered around the prioritization of current health priorities and identification of potential solutions. The information gathered from a local perspective, paired with county, state, and national data, help to communicate the region's health situation in order to begin formulating solutions for improvement.

According to the 2020 America's Health Rankings, Tennessee ranked 45th and Virginia ranked 19th out of 50 states for overall health outcomes. Both states had high rates of obesity, heart disease, addiction, and mental health concerns. Though Virginia's overall ranking is significantly higher than that of Tennessee's ranking, the health outcomes in Southwest Virginia counties, where Ballard facilities are located, resembles those of Tennessee. After compiling the various sources of information and using population health index as a starting point for discussion, the top health priorities were identified for the communities that each of the hospitals serve. This effort has led to the determination of the top three priority areas for Washington County to include **substance abuse, mental health, and chronic disease**. There are certainly a number of other health challenges in this community, but these rise to the top based on the assessment.

3 Johnston Memorial Hospital

3.1 Facility Description

Johnston Memorial Hospital in Abingdon, Virginia is a not-for-profit, 116-bed modern medical facility dedicated to bringing quality healthcare to the residents of the region. Johnston Memorial hospital offers the full continuum of healthcare services from the family birth center, to primary care, surgical services, screenings, and a state of the art cancer center.



3.2 Scope of Services

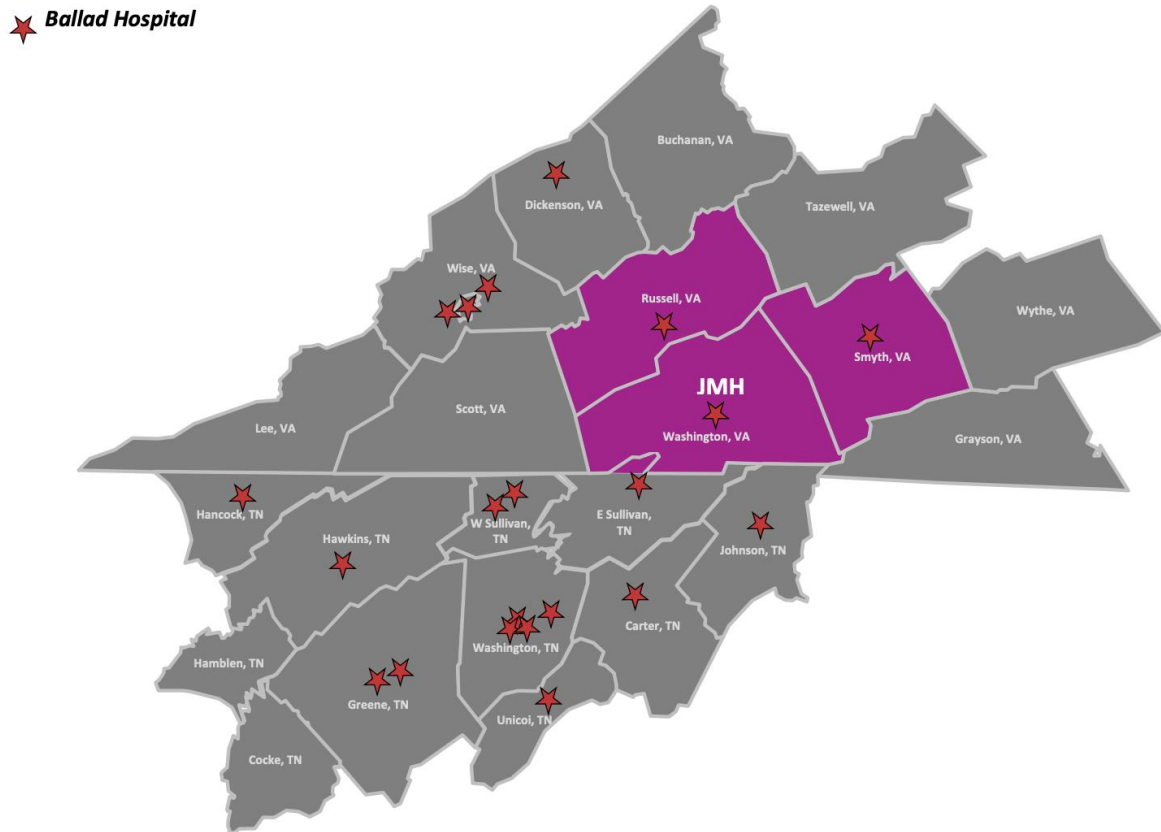
Johnston Memorial Hospital offers a range of services including the following:

- 24-hour Emergency Care
- General Acute Medical Services
- Heart and Vascular Services
- Cancer Center
- Surgical Care
- Orthopedic Care
- Family Birth Center
- Laboratory Services
- Physical Rehabilitation
- Diabetes and Wound Care Services
- Stroke
- Pediatrics

The Johnston Memorial Family Medicine Residency Program and the Internal Medicine Program is committed to providing advanced, innovative and specialized training in Osteopathic Family Medicine and Internal Medicine. Training in Manipulative Treatment is also provided as part of both residency programs. Our residency programs feature a longitudinal training experience where participants learn the skills required to provide all-inclusive care to patients of all ages.

3.3 Primary Service Area

Johnston Memorial Hospital serves the populations of Washington, Russell, and Smyth Counties in Virginia. The map below highlights these three counties.



4 Community Assessment Process Summary

4.1 Market Overview

Johnston Memorial Hospital, located in Abingdon, Virginia, primarily serves Washington, Russell and Smyth Counties in Southwest Virginia. Washington County has a population of 69,062. The population projections for Washington County over the next five years show that the county will likely experience little to no population growth overall. However, the age 65+ population for Washington County is projected to experience the most population change over the next five years, as it moves from 23.5% of the total population in 2021 to 26% of the population in 2026. The aging population of the county presents opportunities for earlier identification and better management of health conditions that oftentimes affect elderly populations in rural areas.

Additionally, the median household income for Washington County is \$39,000 which ranks well below the average for the state of Virginia at \$72,600. Notably, 17.2% of children in Washington County live in poverty, compared to the Virginia average of 13.3%. Other demographic factors influencing health status in the county also includes education levels. A large portion of Washington County residents do not have an education past high school (47.7%). The remaining portion of the population reports having some college/associates degree (30.8%) or a bachelor's degree of greater (21.5%). Additionally, a large portion of Washington County (13%) adult residents do not have health insurance, which is higher than the Virginia state average (12%).

According to the 2021 County Health Rankings, Washington County, where Johnston Memorial Hospital is located, is ranked among the least healthy counties in Virginia. Washington County is ranked 85th in Virginia for health outcomes and 77th for health factors out of 133 counties/cities. Washington County also ranked 75th in health behaviors, due to higher than desired rates of adult obesity, physical inactivity, adult smoking, and alcohol-impaired driving deaths. As for social and economic factors, Washington County ranks 74th due to high rates of children in poverty and higher unemployment rates. A graphical representation of the 2021 County Health Rankings for Washington County components can be found in the appendix.

4.2 Methodology for Collecting Community Input

4.2.1 Model/Framework Selection

In the earliest stages of the 2021 community health needs assessment process design for all Ballard Health facilities, numerous guiding frameworks, models, and toolkits were reviewed and analyzed for their potential to serve as the planning model for the assessment. Following in-depth discussions with Ballard Health leadership, it was decided the 2021 community health needs assessment process would be guided by the Mobilizing for Action Through Planning and Partnerships (MAPP) model, with an understanding that aspects of the model may have to be adapted due to the purpose of the assessment for Ballard Health and constraints related to the COVID-19 pandemic. In coordination with the MAPP model, concepts from both Community-Based Participatory Research (CBPR) and the Arkansas Center for Health Improvement (ACHI) Community Health Assessment Community Health Assessment Toolkit were also utilized for the assessments.

The MAPP model, developed by the National Association of County and City Health Officials (NACCHO) in coordination with the Centers for Disease Control and Prevention (CDC), functions as a six-phase, strategic planning process for communities with the primary aim of improving health. Broadly speaking, the MAPP model allows for the identification of pressing community issues, provides understanding of the current state of resources within a community, and provides the foundational pillars needed to develop action plans for health improvement. The completion of the process outlined in the MAPP model results in two deliverables: (1) Community Health Needs Assessment and (2) Community Health Improvement Plan. As mentioned, components of the MAPP model will be slightly adapted to meet the needs of Ballard Health's community health needs assessments. For a summary of how Ballard Health's 2021 community health needs assessment process will align with the MAPP model phases, please view Table 2 below.

As shown in Table 2, the first step in the planning process was the creation of a Regional Assessment Workgroup between Ballard Health, all local health departments in Ballard Health's geographic service area (GSA), Tennessee Department of Health County Health Councils, and local health coalitions. This regional workgroup was tasked with the creation of core indicators to be included and assessed, shared processes and practices for methodology, and the identification of synergies and paths to collaborate between Ballard Health and all other entities represented in the regional workgroup in terms of community health needs assessment efforts. The goal of this collaborative effort for the community health needs assessment process is to minimize community assessment fatigue and leverage efforts and resources utilized during the assessment process.

Ballard Health utilized a mixed-methods approach for primary and secondary data collection to gather regional information to inform the 2021 community health needs assessments. The secondary data collection entailed the compilation of secondary data pertaining to agreed upon metrics and indicators from an array of verified sources. The primary data collection component involved both a key stakeholder survey and key stakeholder focus groups. Findings from both research methods were used to prioritize the needs of the community served by each Ballard Health facility and determine priority focus areas for future improvement efforts.

Table 2	
MAPP Model Phase	Ballad Health 2021 Community Health Needs Assessment Process
1. Organize for Success/Partnership Development Stakeholders within the community gather to form partnerships and foster collaboration for assessments guided by the MAPP model.	<ul style="list-style-type: none"> Development of Regional Assessment Workgroup between Ballad Health, all local health departments in Ballad Health's geographic service area (GSA), Tennessee Department of Health County Health Councils, and local health coalitions.
2. Visioning Individuals from Phase One determine the primary focus and vision for the MAPP process.	<ul style="list-style-type: none"> Development of core indicators, shared processes, and practices. Identification of synergies and paths to collaborate. Creation of shared vision for the overall health and well-being of Northeast Tennessee and Southwest Virginia Communities.
3. MAPP Assessments Quantitative and qualitative data from both primary and secondary data sources are compiled for the purpose of understanding the current state of the overall health and well-being of the community.	<ul style="list-style-type: none"> Development of secondary data packages for community data. Distribution of Key Stakeholder Survey. Facilitation of facility-based focus groups.
4. Identify Strategic Issues Data are analyzed to determine issues within the community that serve as impediments to reaching the vision detailed in Phase Two.	<ul style="list-style-type: none"> Statistical and thematic analysis for survey results and focus group findings performed to identify issues within communities. Further prioritization of community issues with key stakeholders from each community.
5. Formulate Goals and Strategies Goals and strategies are identified by the community to address the strategic issues identified in Phase Five.	<ul style="list-style-type: none"> Potential goals and strategies are identified by key stakeholders in each focus group. Facilitation of another round of focus groups for each facility to further parse out action plan components. Potential goals and strategies inform the development of Community Health Needs Assessment Implementation Plans to be brought to leadership at each facility. Finalization of Implementation Plans.
6. Action Cycle Based on the goals and strategies from Phase Five, action plans for the achievement of the vision outlined in Phase Two are implemented and evaluated.	<ul style="list-style-type: none"> Community Health Needs Assessment Implementation Plans are implemented and evaluated for each facility.

4.2.2 Secondary Data Compilation

In accordance with the MAPP model, once desired metrics were identified and agreed upon by all members of the regional workgroup, comprehensive data packages were created for all counties in Ballad Health's GSA. In knowing that research estimates that at least 80% of a person's health is related to non-medical factors, the data packages were designed to incorporate both medical and non-medical factors with equal importance in terms of their role in the overall health and well-being of the community. The data packages include approximately 60 metrics for each county in Ballad Health's GSA concerning each of the following overarching topics: health outcomes (15 metrics), health behaviors (14 metrics), health determinants (12 metrics), physical environment (3 metrics), clinical care and health resources (11 metrics), maternal and infant health (3 metrics), and adverse childhood experiences (2 metrics).

The data packages were shared with key stakeholders in the community in an excel workbook format. Two separate excel workbooks were created, one for the Northeast Tennessee counties and one for the Southwest Virginia Counties. Within each workbook, an instruction tab detailing how to interpret and utilize the data was included, as well as separate, alphabetized tabs for each county in those associated areas. Within each tab, metrics were organized into tables based on the seven topics listed above. For each metric, the following components were presented in the associated table:

- Metric name
- Metric definition
- Metric value for the associated county
- Metric value for associated state
- Hyperlink to data source where metric was found

4.2.3 Key Stakeholder Survey Design

Following guidance from the MAPP model, the Key Stakeholder Survey was designed with the primary aim of identifying the most-pressing community issues. In aligning with principles of CBPR, the key stakeholder survey was designed to allow key stakeholders to frame community issues in their own words through the use of open-ended questions. In addition to the identification of community issues, the key stakeholder survey was also designed to discern why survey respondents believed the community issues they selected had the greatest effect on the overall health and wellbeing of their community. Questions related to ideas and suggestions for improvement efforts, gauging the success of efforts after the previous community health needs assessments, and community struggles related to the COVID-19 pandemic were also included in the survey.

Data from the key stakeholder survey was coded and analyzed via MAXQDA Analytics Pro 2020. Data was coded and analyzed by primary and secondary coders who are team members of the Division of Population Health within Ballad Health.

4.2.3.1 Key Stakeholder Survey Demographics

The survey was comprised of thirteen questions, with those being a combination of both close-ended and open-ended questions. Both statistical analysis and thematic analysis were performed on survey results dependent on the question type (statistical analysis for close-ended questions and thematic analysis for open-ended questions) in order to obtain frequencies and percentages. The survey was distributed via Survey Monkey from the Division of Population Health at Ballad Health to key stakeholders in Northeast Tennessee and Southwest Virginia that were identified by leadership at Ballad Health. Stakeholders were selected due to their involvement in the health of the community and their direct relationship to the communities served. The survey was distributed to approximately 350 stakeholders, who each represent unique organizations in Northeast Tennessee and Southwest Virginia.

One hundred and sixty-nine (n=169) organizations completed the survey, for a response rate of 48%. In terms of the geographical breakdown of survey respondents, 36% of survey respondents listed at least one county in Southwest Virginia as part of their service area, and 64% of survey respondents listed at least one county in Northeast Tennessee as part of their service area. There was some overlap in terms of the geographical breakdown of survey respondents for individuals who work in both Northeast Tennessee and Southwest Virginia; those individuals are represented in both categories. Survey respondents represented an array of different sectors in the community, which included the following:

- Law Enforcement
- Religious Communities/Churches
- School Systems
- Governmental Organizations
- Health Departments
- Non-Profit Organizations
- Academic Institutions
- Businesses
- Health Care System.

All key stakeholder survey questions and associated findings are listed in the Appendix. Findings are filtered to reflect the responses of key stakeholders in the state in which the facility is located. Because Washington County is located in Southwest Virginia, survey findings presented in the report and the Appendix are from the 36% of survey respondents who listed at least one county in Southwest Virginia as part of their service area.

4.2.4 Key Stakeholder Focus Group Design

Independent focus groups were conducted for each Ballad Health facility in order to provide specific and unique information for each community being served. The MAPP model and questions from the key stakeholder survey were used to guide the development and construction of the focus groups. Because the key stakeholder survey primarily dealt with the identification of community issues, the focus groups were primarily designed to prioritize community issues identified through the key stakeholder survey and discuss actionable items around how to best address these community issues. Questions related to root causes of community issues, the current state of resources to address community issues, needed resources to initiate improvement efforts and be successful, and community struggles related to the COVID-19 pandemic were also included in the focus group facilitation guide.

The focus groups were organized into three main components as outlined below:

- **Data Presentation:** Focus group facilitators led the focus group participants through a thorough review of the secondary data compiled for each service area and the findings from the key stakeholder survey.
- **Prioritization:** Focus group facilitators led focus group participants through the prioritization of the community issues that were identified in the key stakeholder survey for their specific community.
- **Discussion:** Focus group facilitators helped engage focus group participants in rich discussion concerning the priority focus areas identified via a structured facilitation guide.

Multiple team members from the Division of Population Health within Ballad Health attended each focus group and were assigned one of the following roles:

- **Facilitator:** Present secondary data and key stakeholder survey findings, lead focus group through prioritization process, and facilitate discussion surrounding priority focus areas identified by the focus group.
- **Notetaker:** Take detailed notes on the discussion surrounding the priority areas.
- **Chat Box Moderator:** Monitor the chat box on the WebEx platform to ensure all communications were acknowledged and addressed.

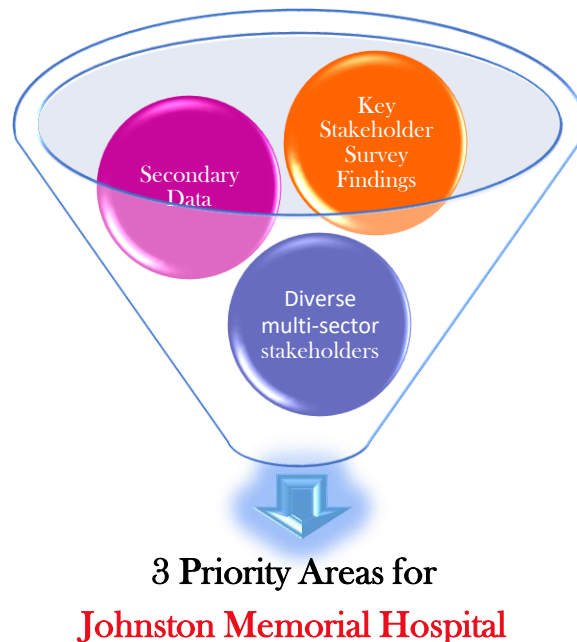
Following the conclusion of the focus group, the facilitator, notetaker, and chat box monitor collectively reviewed the notes to ensure accuracy and address any areas of confusion. Once focus group notes were finalized and approved, focus group data was coded and analyzed by primary and secondary coders who are team members of the Division of Population Health within Ballad Health.

4.2.4.1 Key Stakeholder Focus Group Demographics

The key stakeholder focus groups were conducted virtually via WebEx and were one hour and thirty minutes in length. For Johnston Memorial Hospital, there were fourteen (n=14) focus group participants. Similar to the key stakeholder survey representation, focus group participants represented an array of different sectors in Washington County, which included: the school system, businesses, the health care system, and more. For stakeholders who were not able to attend the focus group in real-time, blank facilitation guide templates with questions concerning the three priority areas identified by the focus group participants were sent to them immediately after the conclusion of the focus group. This allowed key stakeholders who were not able to attend the focus group in real-time to still provide input and Ballard Health to ensure the involvement of diverse stakeholders.

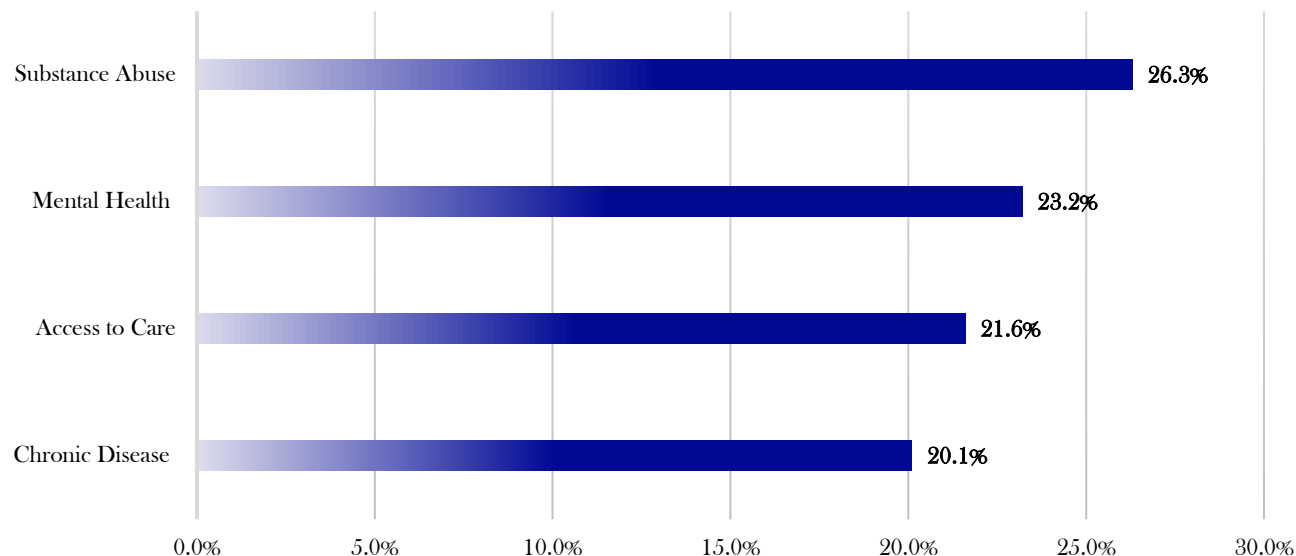
5 Identification of Key Priority Areas

Analysis of secondary data for Washington County, findings from the key stakeholder survey, and the perspectives of diverse key stakeholders led to the prioritization of community issues for Johnston Memorial Hospital as depicted in the graphic below.



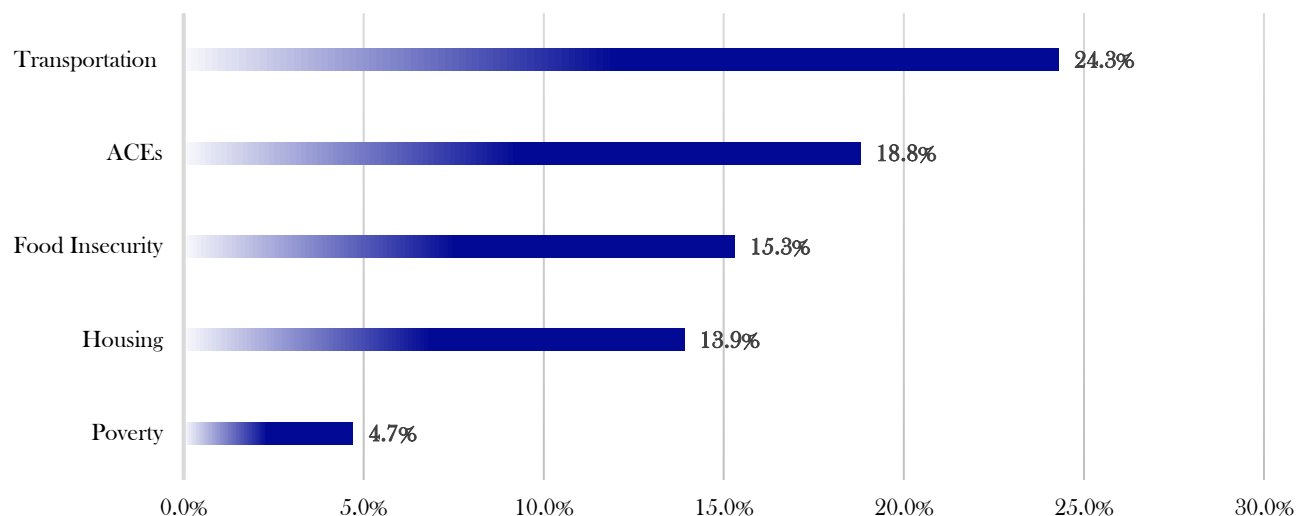
As discussed in the section concerning the design of the key stakeholder survey, three of the thirteen survey questions dealt with the identification of the most pressing community issues. The first of the three questions dealt with asking key stakeholders to frame in their own words what the top three health-related issues their community was facing. The second of the three questions was handled in the same manner as the first, except now the survey question asked key stakeholders to identify the top three social or environmental issues their community was facing. The last of the three questions sought to incorporate the voice of the community to the extent possible through asking stakeholders to identify the issues they believe residents in their community would like to see efforts prioritized around. Results of these three survey questions from respondents who work in Southwest Virginia are shown in the graphs below. The percentages on the bar graphs represent the percentage of Southwest Virginia respondents who mentioned a particular community issue or concern.

PLEASE LIST THE THREE MOST IMPORTANT HEALTH-RELATED ISSUES THAT AFFECT THE OVERALL HEALTH OF YOUR COMMUNITY.



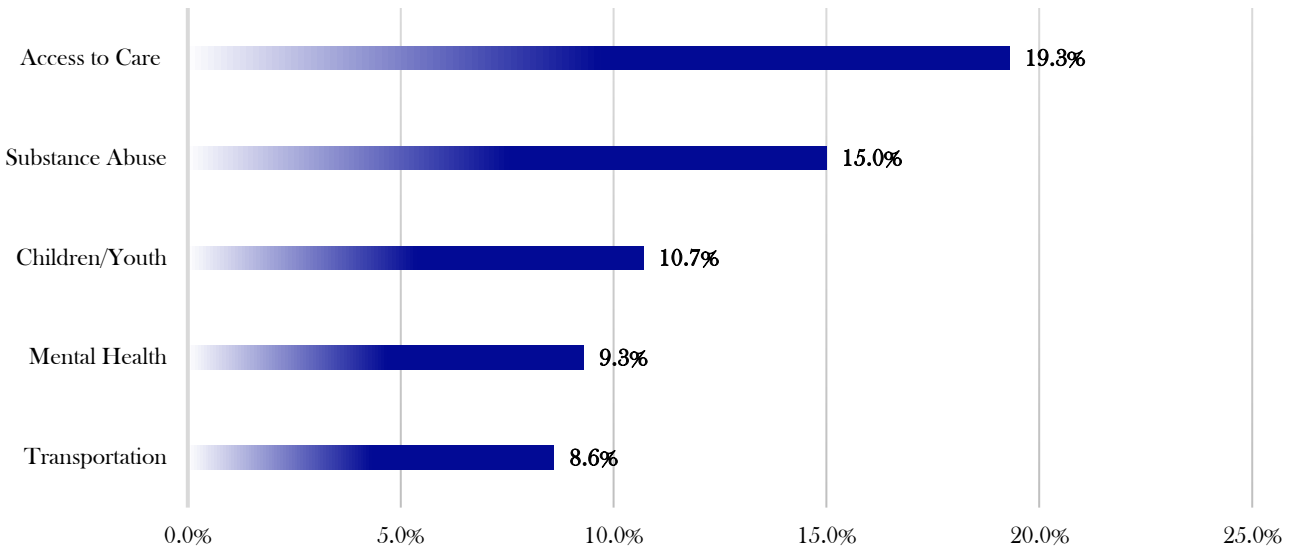
*Other health-related issues that were mentioned by respondents were physical inactivity, unintended pregnancy, COVID-19, and dental health.

PLEASE LIST THE THREE MOST IMPORTANT SOCIAL/ENVIRONMENTAL ISSUES THAT AFFECT THE OVERALL HEALTH OF YOUR COMMUNITY.



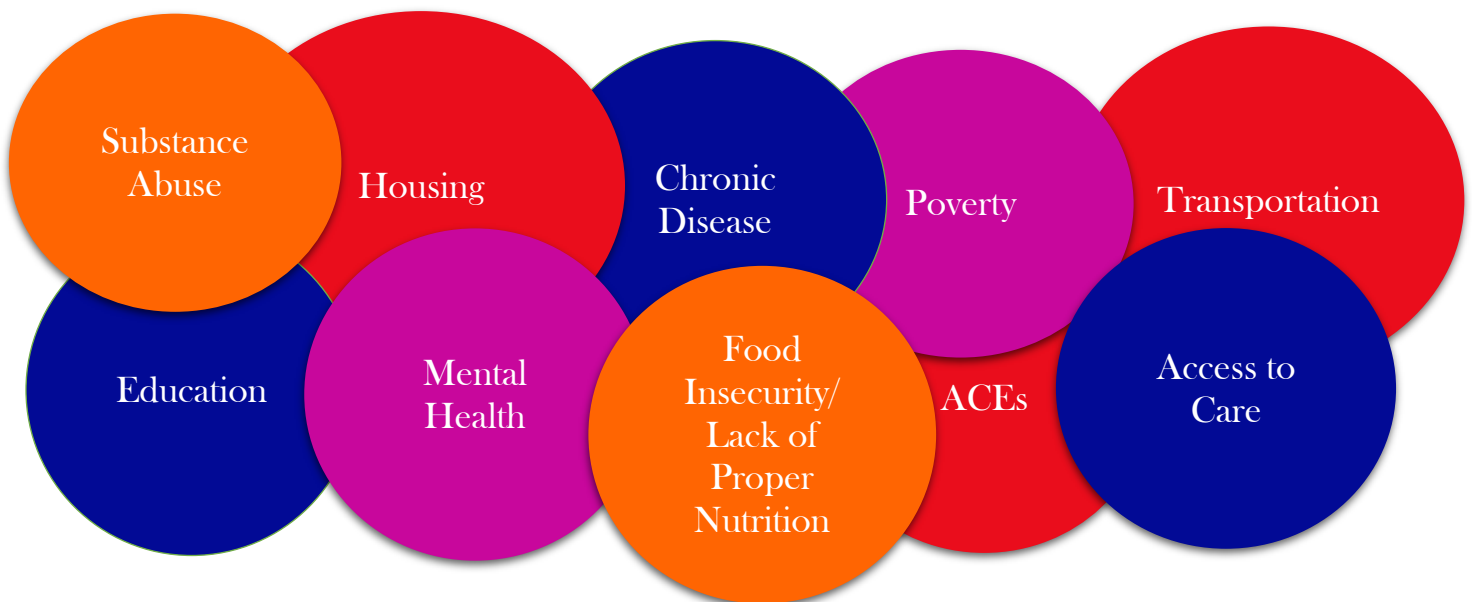
*Other social/environmental issues that were mentioned by respondents were education, discrimination, and safe water sources.

FROM THE PERSPECTIVE OF THOSE WHO LIVE IN YOUR COMMUNITY, WHAT ISSUES DO YOU BELIEVE THE RESIDENTS WOULD LIKE TO SEE EFFORTS PRIORITIZED AROUND?



*Other community that were mentioned by respondents were employment, childcare, ACEs, and COVID-19.

From these three survey questions, the top ten community issues identified for Southwest Virginia Communities were found to be the following:



After being presented with the secondary data specific to Washington County, focus group participants were asked to vote for three of the ten community issues listed above that they felt should be priority focus areas for future improvement efforts in Washington County. The three issues that obtained the majority of the votes were the three priority areas selected and became the focus of the facilitated discussion. For Johnston Memorial Hospital, the three priority areas for future improvement efforts that were selected by key stakeholders in Washington County are **substance abuse, mental health, and chronic disease**. Table 3 below highlights some of the secondary data measures used for both gathering baseline data and measuring change for the three priority areas selected for Johnston Memorial Hospital.

Table 3	
Priority Focus Area	Sub-Measure
Substance Abuse	<ul style="list-style-type: none"> ▪ Drug Overdose Deaths ▪ Children with NAS ▪ Alcohol-Impaired Driving Deaths ▪ Excessive Drinking
Mental Health	<ul style="list-style-type: none"> ▪ Frequent Mental Distress ▪ Suicide Rate
Chronic Disease	<ul style="list-style-type: none"> ▪ Cardiovascular Deaths ▪ Cancer Deaths ▪ Diabetes Mellitus Deaths ▪ Prevalence of Diabetes

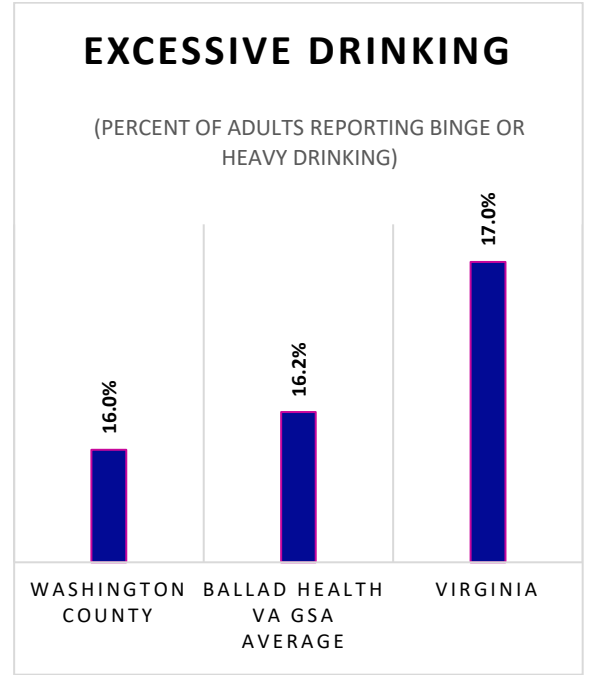
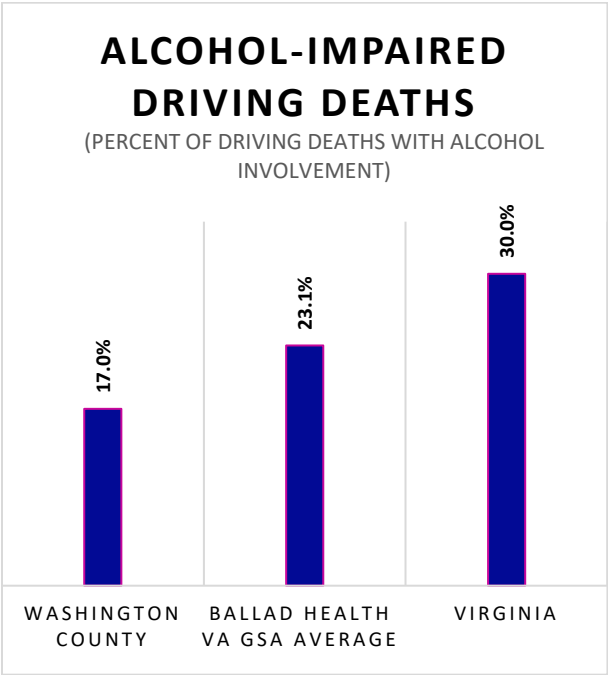
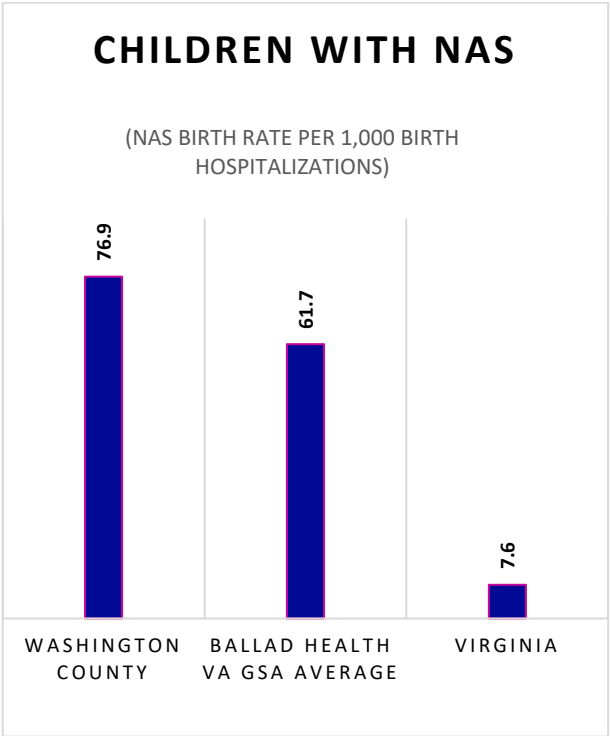
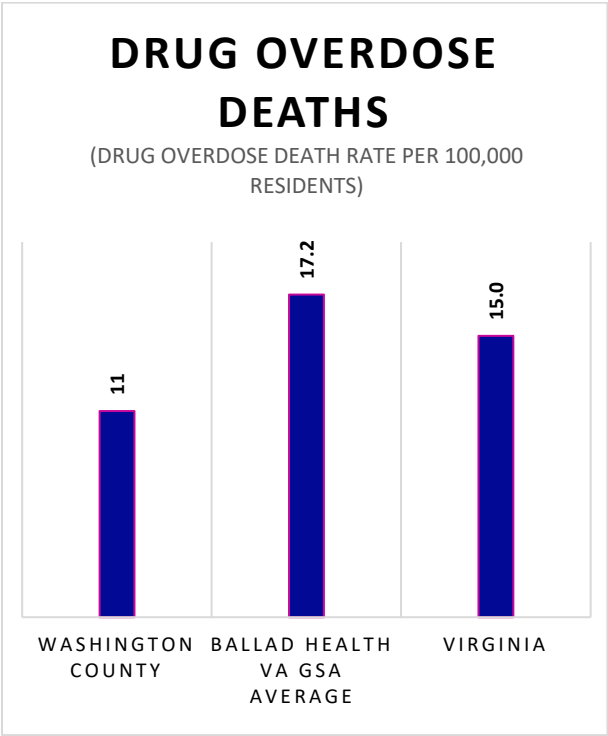
As evidenced by the county-level vs. state-level data represented for each of the priority measures selected by Washington County focus group participants, opportunity for improvement exists across all priority measures within the local community. Although not all metrics compare unfavorably to the overall state data, opportunity still exists, as the Virginia data is not intended as a benchmark, but merely as a comparison. In addition to state-level comparisons, priority measures for Washington County are also compared to the average of the Southwest Virginia counties in Ballad Health's GSA.

By identifying these priority areas, Johnston Memorial Hospital, in conjunction with Ballad Health and other local community organizations, can begin to implement targeted programs and efforts to improve the overall health and well-being of citizens of Washington County.

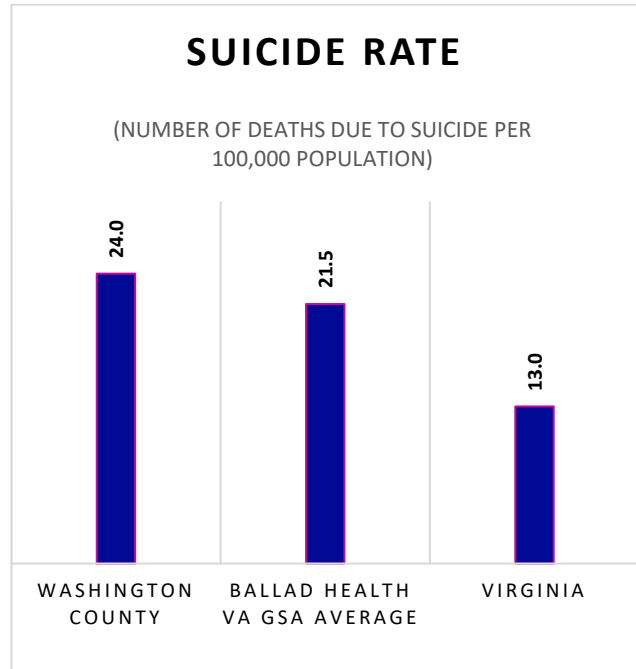
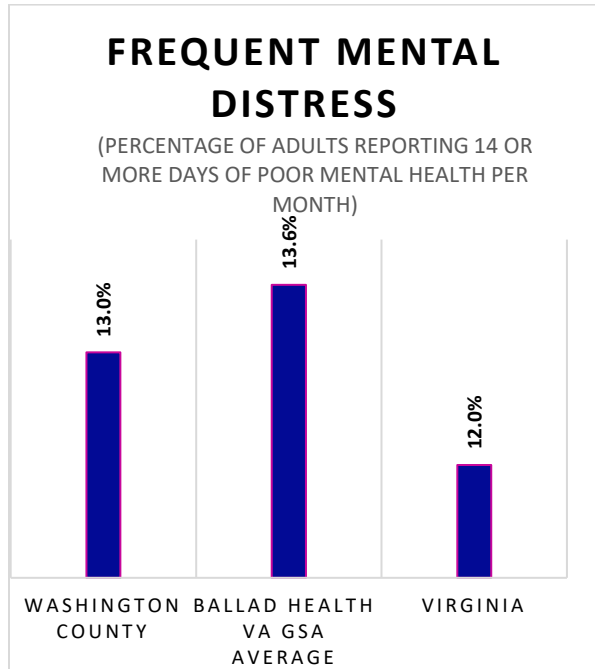
5.1 Priority Area Measures with County vs. Ballad Health GSA Average for SW VA

Counties vs. State Comparisons (when applicable):

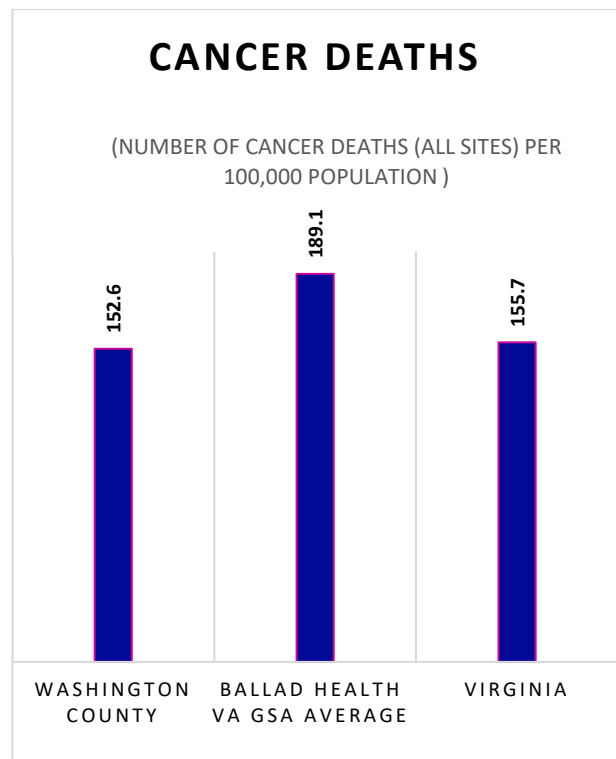
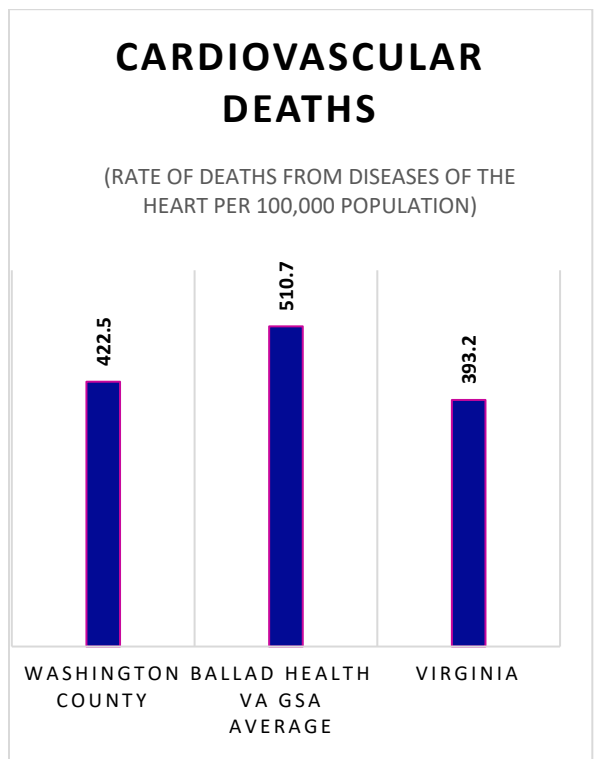
5.1.1 Substance Abuse



5.1.2 Mental Health

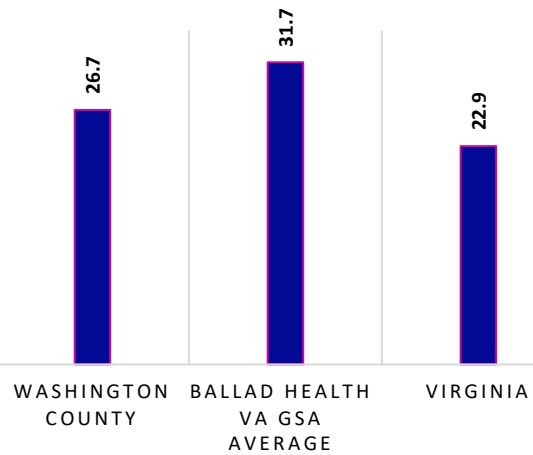


5.1.3 Chronic Disease



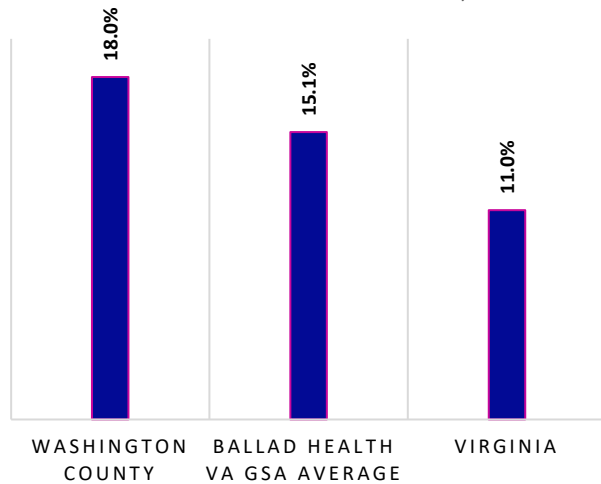
DIABETES MELLITUS DEATHS

(RATE OF DEATHS FROM DIABETES PER 100,000 POPULATION)



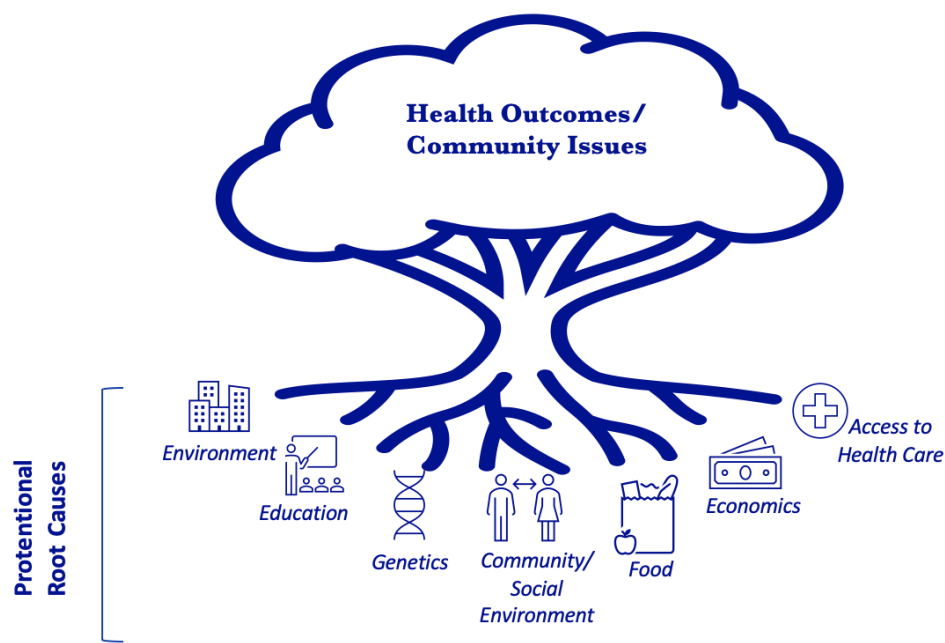
DIABETES PREVALENCE

(PERCENTAGE OF ADULTS AGED 20 AND ABOVE WITH DIAGNOSED DIABETES)



6 Root Causes of Key Priority Areas

Because health is more than just a result of behaviors or individual pre-disposition to disease, Ballard Health realizes that it must also evaluate social determinants such as the environment and community in which people live, the access to care they have, and the policy issues that exist/are absent in order to be able to make effective strides in improvement. For this reason, **root causes** for each of three priority focus areas were discussed in the focus group to better understand the relationships between various community issues. Utilizing more upstream ways of thinking and better understanding the true root causes of community issues will allow Ballard Health to better understand how to design future efforts and determine which community partners are needed for a collective effort to truly bring about a measurable change.



To help understand the true root causes of three priority focus areas selected for Johnston Memorial Hospital, participants in the focus group identified the causes they believe must be addressed and accounted for in future improvement efforts in order to truly make impactful progress and change. The identified root causes for the priority focus areas for Johnston Memorial Hospital include:

6.1 Substance Abuse:

- Poverty
- ACEs
- Untreated anxiety/depression
- Generational substance abuse
- Access to medical pain clinics
- Undiagnosed mental health issues

- Unstable home environment
- Teen birth rate
- Early age use
- Easy access to substances
- Pain treatment for real injury/pain which resulted in dependence
- Unemployment
- Chronic illness

6.2 Mental Health:

- Poverty
- ACEs
- Untreated anxiety/depression
- Strong genetic component
- External environment
- Early identification of mental health issues
- Financial stress
- Food insecurity
- Child abuse
- Sexual abuse
- Domestic violence

6.3 Chronic Disease:

- Food insecurity
- Lack of health insurance
- Obesity
- Nutrition
- Poverty
- Poor education
- Access to care
- Baseline Labs
- Lack of ability to purchase medications
- Transportation
- Poor dental care

7 Community and Hospital Resources: Current and Needed

7.1 Current Resources

To help improve the identified health priorities for Washington County, focus group participants were also asked to help identify **current** programs/organizations/individuals/services from the local community that may be of assistance with the population health efforts in their county. Because multiple resources working together for the same cause can help to drive change faster, having the inventory of local resources with whom Ballad Health can partner with is key. There are many resources currently in existence in Washington County through both the hospital and local organizations. The current and available resources identified for each of the three priority focus areas in the focus groups are as follows:

7.1.1 Substance Abuse:

- Highlands Community Services
- EHR database
- Suboxone clinics
- Over Mountain Health
- Parent education
- Faith-based programs/support groups
- Alcoholics Anonymous
- Drug court

7.1.2 Mental Health:

- Highlands Community Services
- Employee Assistance Program
- Social Workers
- Mental health providers
- Behavioral Health in residency program

7.1.3 Chronic Disease:

- Food pantries
- Nutrition education
- Health clinics
- Diabetes clinic
- Family/Internal medicine residency
- Accountable Health Community
- Lynx transportation
- Dental residency
- Recreation departments
- Food and Nutrition Education Agents via Virginia Cooperative Extension
- Nutritionists

- SNAP and other safety net benefits
- Increased focus on wellness in the workplace
- SNAP nutrition educators
- District 3 assists with providing meals and Farmer's Market Voucher

7.2 Needed Resources

In addition to identifying current resources, focus group participants were also asked to identify **needed** resources that **do not** currently exist in their local community that could be of assistance with the population health efforts in their county. The identification of needed resources will help to bridge gaps and overcome barriers to care when addressing these priority focus areas. The needed resources identified for each of the three priority focus areas in the focus groups are as follows:

7.2.1 Substance Abuse:

- Many more mental health treatment providers
- More employment options
- Reduced stigma of mental health care
- Funding
- Coordinated effort between different sectors of the community
- Early intervention for children experimenting with drugs
- Resources for teen pregnancy - counseling & support
- Childcare for all
- Affordable education programs for mental health professionals and incentives to work in the area
- Affordable IP drug rehab programs
- Outreach social workers/psychologists
- Additional pain specialists
- Proactive mental healthcare

7.2.2 Mental Health:

- Mental Health Providers

7.2.3 Chronic Disease

- Hands-on cooking classes for underserved areas and populations
- More sports and recreation opportunities for families/adults (not many outside of the Creeper Trail in our community)
- An "eat ugly" program to get less than photogenic produce to economically disadvantaged families
- Food "Farmacy" programs to provide healthy foods to those suffering from chronic illnesses
- Programs that teach/support people to shop for and prepare health foods (retail education)
- Community lab access to determine if pre-diabetic
- Collaborative strategy
- Central coordination of resources

- Community Health Center
- Increased transportation
- Specialty care
- Free Clinics
- Health Screening System

8 Ideas and Suggestions for Future Improvement Efforts to Address Key Priority Areas

8.1 Multi-Sector Ideas and Suggestions for Improvement Efforts

Foundational to any population health improvement effort is the identification of actionable priorities. Now that this has been accomplished, the hospital can begin to formulate targeted implementation plans to help address the disparities plaguing parts of its population. By identifying these priority areas, Johnston Memorial Hospital in conjunction with Ballard Health and other local community organizations can begin to implement targeted programs and efforts to improve the overall health and well-being of citizens of Washington County. To best plan for and design improvement efforts that address the three priority focus areas, focus group participants offered ideas and suggestions for potential improvement efforts and solutions that can be incorporated into the Community Health Needs Assessment Implementation Plan for Johnston Memorial Hospital. Focus group participants were not asked to formulate entire initiatives or improvement efforts, but were instead asked to offer ideas and suggestions for crucial elements to be included in a larger, overarching improvement effort. The ideas and suggestions for potential improvement efforts for each of the three priority areas are as follows:

8.1.1 Substance Abuse:

- Proactive mental healthcare
- Identify/address underlying issues and root causes of substance abuse
- Access to addiction specialists
- Tighter control of opioids in emergency department/hospital setting
- Address ACEs
- Safe and affordable housing
- Pain clinics that are focused on medication
- Evidenced-based prevention programs for youth
- Residential rehabilitation
- Faith- and non-faith-based programs
- Dental care for those who have been substance abusers
- Mentors & employment training
- Prevention and treatment programs in jails

8.1.2 Mental Health:

- Access to mental health screenings
- Affordable counseling
- Early identification in school system
- Early intervention
- Self-care as part of school curriculum
- Comprehensive medical care that includes mental health assessments as part of physical exams
- Church partnership

8.1.3 Chronic Disease:

- Regional/Faith based transportation system
- Disease-specific community classes
- Care Managers/Navigators for individuals with chronic diseases
- Free health clinics that provide health screenings
- Dental Services
- Early identification of pre-diabetes
- Smoking Cessation Programs
- Use Coordinated School Health in TN to model future efforts
- Making healthy foods available in remote areas (food desserts)
- Focus on childhood obesity/education
- Focused chronic condition management programs and innovative ways to connect with those patients
- Partnerships with pediatricians
- Expanded telehealth
- Parent education on ACEs

8.2 Ideas and Suggestions for Improvement Efforts Specific to Ballad Health and Johnston Memorial Hospital

In addition to discussing ideas and suggestions for protentional improvement efforts, the focus group participants also discussed possibilities for how Johnston Memorial Hospital and Ballad Health can continue or enhance programs/services to provide local resources to support the identified priorities and best be a community partner in future improvement efforts. Several of the ideas and suggestions for potential improvement efforts for each of the priority areas were repeated by focus group participants again here, signifying that the participants believe Ballad Health and Johnston Memorial Hospital should either lead or be largely involved in the improvement effort. Suggestions as to how Ballad Health and Johnston Memorial Hospital can improve the previously identified priority focus areas are listed below:

8.2.1 Substance Abuse:

- Inpatient treatment
- Recovery groups
- Educating STRONG ACC partners on the proper triage for substance abuse cases (where to send specific cases)
- Dental care for all
- Facilitating a culture of change utilizing community partners through the ACC
- Substance abuse specialists available for IP consults
- ACEs education
- Counselor intervention before there is a problem

8.2.2 Mental Health:

- IP provision for mental health
- Leverage psyche telemedicine
- Community focus in conjunction with schools/churches
- Mental health outreach services

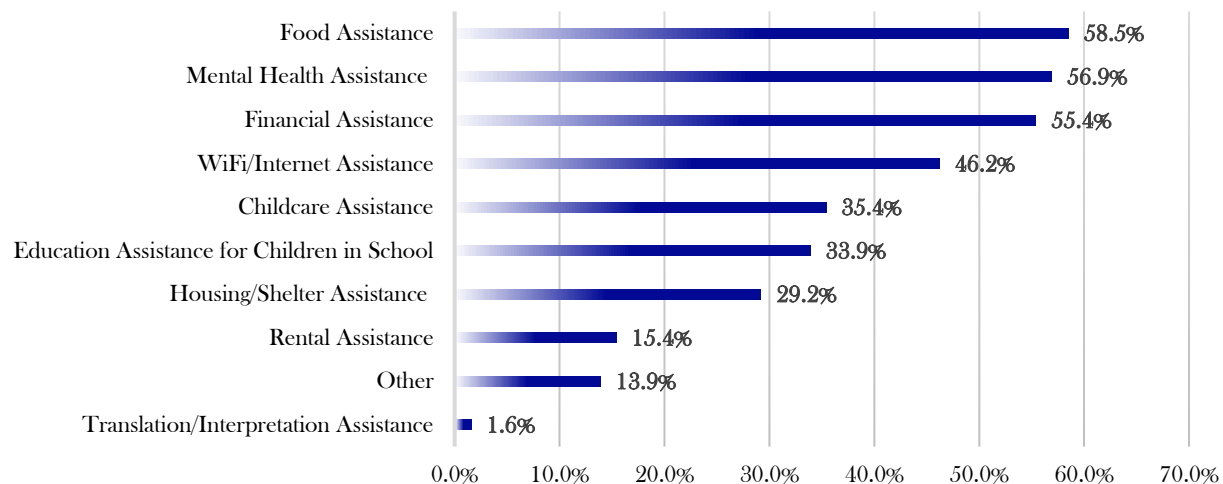
8.2.3 Chronic Disease:

- Increase community awareness through education
- Specialized care
- Prevention and screening programs
- Advocacy
- Incentives from the healthcare system for patients who reach goals in favor of their health/treatment
- Continued education/professional development for nurses & health educators on chronic disease (to share with patients)
- Support for school nurses to better support kids with chronic disease
- Hospital based wellness program
- Regular Ballard Health TV show for community education
- Telehealth
- Free screenings in community
- Increase health education in schools
- Community health classes
- Marketing campaign that addresses chronic disease and associated concerns (e.g., higher insurance costs)
- Referrals to food pantries
- Nutrition classes

9 COVID-19 Pandemic

Ballad Health fully understands the toll the COVID-19 Pandemic had on our communities and health care system. In both the key stakeholder survey and key stakeholder focus groups, Ballad Health wanted to reflect and better understand how communities have struggled in light of the pandemic through understanding what types of services and assistance were needed most by communities. This information obtained by the community will allow Ballad Health to best plan for barriers to future improvement efforts, as communities are still suffering from the effects of the pandemic. From the key stakeholder survey, the types of assistance needed most by communities due to COVID-19 are shown below. The percentages on the bar graphs represent the percentage of Southwest Virginia respondents who selected that particular type of assistance.

AS A RESULT OF COVID-19, WHICH OF THE FOLLOWING SERVICES OR TYPES OF ASSISTANCE HAVE BEEN NEEDED MOST BY THE THOSE WITHIN YOUR COMMUNITY? (PLEASE SELECT YOUR TOP 3)



In the key stakeholder focus groups, participants were asked to detail how they felt the COVID-19 pandemic would affect the community's ability to address any of the three priority areas. One participant responded with the following,

The challenges in addressing substance abuse and mental health issues are compounded by COVID. Tele-health visits are a great solution, but the person in need of help has to reach out to make that appointment. The isolation makes it harder to identify and connect those who are dealing with mental health and/or substance abuse problems.

Focus group participants mentioned the additional following negative consequences:

- Lack of in-person meetings/classes
- Lack of IT infrastructure for telemedicine
- Lack of personal interaction
- Competing priorities

- Inability for group classes
- Lack of in-person interactions
- Inability to cope with anxiety from the pandemic
- Reduced employment
- Social isolation
- Lack of inpatient psychiatric resources for behavioral health patients
- Food insecurity/nutrition issues increasing

In future efforts to address each of the priority areas, focus group participants believe special attention to the above list of negative consequences should be given as a result of the pandemic.


10 Conclusion

As hospitals and health systems continue to work to make the communities they serve healthier, the identification of prioritized population health issues has become an area of strategic importance. Because Johnston Memorial Hospital is located in a region with many health and social challenges, that prioritization becomes even more important so that focused actions can be developed and implemented with strategic purpose. The allocation of hospital resources to the prioritized issues, coupled with partnerships with other community organizations, will continue to build momentum toward the building of a healthier Washington County.

11 Appendix

11.1 Sg2 2021 Population Profile

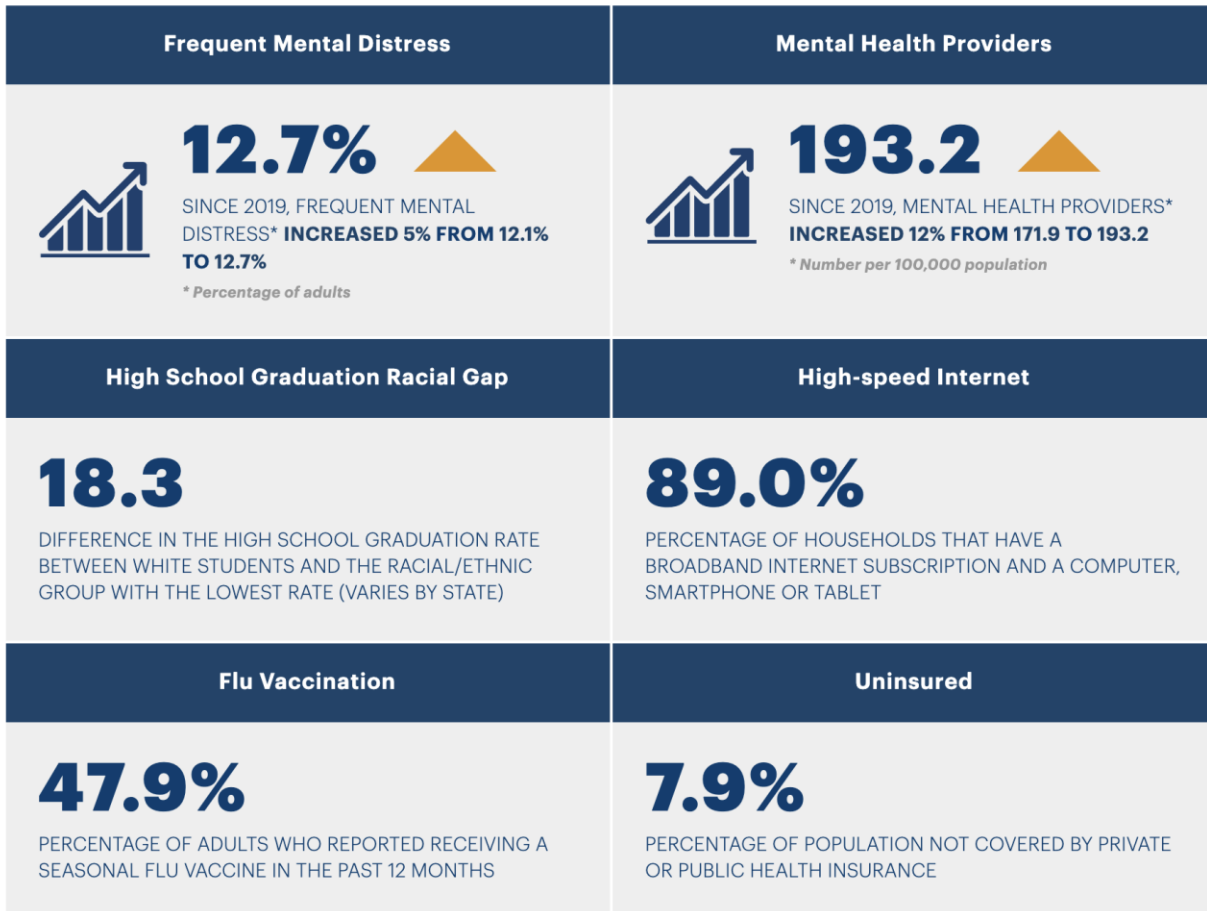
The table below highlights key demographic statistics for Washington County, VA:

Sg2 MARKET SNAPSHOT						
						
Market Snapshot						
Washington County, VA						
Population and Gender	Market 2021 Population	Market 2021 % of Total	Market 2026 Population	Market 2026 % of Total	Market Population % Change	National 2021 % of Total
Female Population	35,323	51.15%	35,177	51.08%	(0.41 %)	50.75%
Male Population	33,739	48.85%	33,690	48.92%	(0.15 %)	49.25%
Total	69,062	100.00 %	68,867	100.00 %	(0.28 %)	100.00 %
Age Groups	Market 2021 Population	Market 2021 % of Total	Market 2026 Population	Market 2026 % of Total	Market Population % Change	National 2021 % of Total
00-17	12,686	18.37%	12,195	17.71%	(3.87 %)	22.17%
18-44	20,991	30.39%	20,657	30.00%	(1.59 %)	35.64%
45-64	19,124	27.69%	18,097	26.28%	(5.37 %)	25.13%
65-UP	16,261	23.55%	17,918	26.02%	10.19%	17.06%
Total	69,062	100.00 %	68,867	100.00 %	(0.28 %)	100.00 %
Ethnicity/Race	Market 2021 Population	Market 2021 % of Total	Market 2026 Population	Market 2026 % of Total	Market Population % Change	National 2021 % of Total
Asian & Pacific Is. Non-Hispanic	499	0.72%	579	0.84%	16.03%	6.05%
Black Non-Hispanic	1,845	2.67%	1,952	2.83%	5.80%	12.40%
Hispanic	1,516	2.20%	1,792	2.60%	18.21%	19.24%
White Non-Hispanic	64,072	92.77%	63,270	91.87%	(1.25 %)	58.97%
All Others	1,130	1.64%	1,274	1.85%	12.74%	3.34%
Total	69,062	100.00 %	68,867	100.00 %	(0.28 %)	100.00 %
Language*	Market 2021 Population	Market 2021 % of Total	Market 2026 Population	Market 2026 % of Total	Market Population % Change	National 2021 % of Total
Germanic Lang at Home	378	0.57%	380	0.58%	0.53%	0.74%
Korean at Home	823	1.25%	834	1.27%	1.34%	0.56%
Only English at Home	60,233	91.55%	60,117	91.56%	(0.19 %)	76.50%
Spanish at Home	1,079	1.64%	1,069	1.63%	(0.93 %)	14.95%
Vietnamese at Home	2,342	3.56%	2,315	3.53%	(1.15 %)	0.66%
All Others	939	1.43%	945	1.44%	0.64%	6.59%
Total	65,794	100.00 %	65,660	100.00 %	(0.20 %)	100.00 %
Household Income	Market 2021 Households	Market 2021 % of Total	Market 2026 Households	Market 2026 % of Total	Market Households % Change	National 2021 % of Total
<\$15K	3,832	13.08%	3,519	12.05%	(8.17 %)	9.67%
\$15-25K	3,394	11.58%	3,142	10.76%	(7.42 %)	8.29%
\$25-50K	7,865	26.84%	7,572	25.92%	(3.73 %)	20.27%
\$50-75K	5,284	18.04%	5,182	17.74%	(1.93 %)	16.57%
\$75-100K	3,314	11.31%	3,428	11.74%	3.44%	12.46%
\$100K-200K	4,578	15.63%	5,053	17.30%	10.38%	23.23%
>\$200K	1,031	3.52%	1,313	4.50%	27.35%	9.51%
Total	29,298	100.00 %	29,209	100.00 %	(0.30 %)	100.00 %
Education Level**	Market 2021 Population	Market 2021 % of Total	Market 2026 Population	Market 2026 % of Total	Market Population % Change	National 2021 % of Total
Less than High School	2,740	5.40%	2,773	5.47%	1.20%	5.05%
Some High School	4,851	9.57%	4,881	9.63%	0.62%	6.83%
High School Degree	16,547	32.64%	16,633	32.80%	0.52%	26.95%
Some College/Assoc. Degree	15,630	30.83%	15,611	30.79%	(0.12 %)	31.05%
Bachelor's Degree or Greater	10,927	21.55%	10,807	21.31%	(1.10 %)	30.12%
Total	50,695	100.00 %	50,705	100.00 %	0.02 %	100.00 %

*Excludes population age<5, **Excludes population age<25

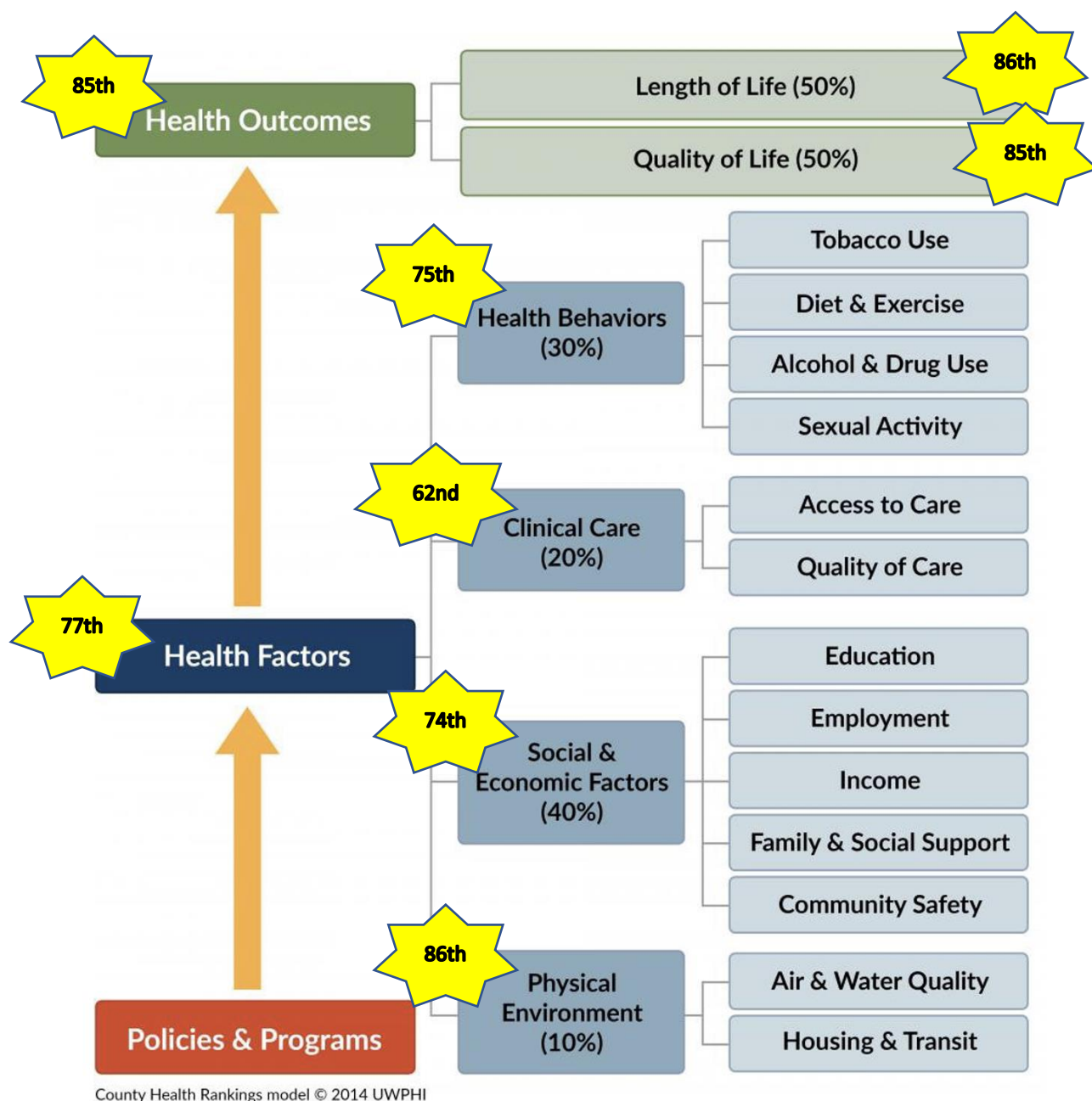
11.2 America's Health Rankings Graphic

The infographic below summarizes strength and challenges for the state of Virginia in 2020:



11.3 County Health Rankings Graphic

The infographic below shows the 2021 rankings for Washington County for each of the County Health Ranking model components out of the 133 Virginia counties/cities.



11.4 Secondary Data Tables

The seven data tables below showcase the secondary data metrics compiled for Washington County, VA. Metric definitions, the associated metric value for Virginia, and data source reference are also included in the tables.

Health Outcomes						
Metric	Metric Definition	Washington County	Ballad Health GSA Average	Ballad Health VA GSA Average	Virginia	Reference
Infant Mortality	Number of infant deaths (under one year of age) per 1,000 live births	5.7	6.9	6.8	5.6	Kids Count
Low Birthweight	Percentage of live born infants with birth weight less than 5 pounds, 8 ounces	10.4%	9.3%	8.8%	8.2%	Kids Count
Children with NAS	NAS birth rate per 1,000 birth hospitalizations	76.9	64.4	61.7	7.6	Virginia Department of Health
Poor or Fair Health	Percentage of adults reporting fair or poor health (age-adjusted)	17.0%	18.7%	18.5%	16.0%	County Health Rankings
Cardiovascular Deaths	Rate of deaths from diseases of the heart per 100,000 population	422.5	527.8	510.7	393.2	CDC
Cancer Deaths	Number of cancer deaths (all sites) per 100,000 population	152.6	192.7	189.1	155.7	CDC
Diabetes Mellitus Deaths	Rate of deaths from diabetes per 100,000 population	26.7	32.4	31.7	22.9	World Life Expectancy
Cerebrovascular Deaths	Rate of deaths from cerebrovascular disease per 100,000 population	74.9	73.2	74.0	74.1	CDC
Suicide Rate	Number of deaths due to suicide per 100,000 population	24.0	22.5	21.5	13.0	County Health Rankings
Lung Cancer Deaths	Number of lung and bronchus cancer deaths per 100,000 population	46.6	57.8	55.7	38.8	CDC
Female Breast Cancer Deaths	Number of female breast cancer deaths per 100,000 women	15.2	21.7	21.7	21.5	CDC
Prevalence of Diabetes	Percentage of adults aged 20 and above with diagnosed diabetes	18.0%	15.2%	15.1%	11.0%	County Health Rankings
Mammography Screening	Percentage of female Medicare enrollees ages 65-74 that received an annual mammography screening	45.0%	40.1%	40.4%	44.0%	County Health Rankings
Frequent Mental Distress	Percentage of adults reporting 14 or more days of poor mental health per month	13.0%	13.8%	13.6%	12.0%	County Health Rankings
Premature Deaths	Number of deaths among residents under age 75 per 100,000 population (age-adjusted)	410.0	526.4	512.7	320.0	County Health Rankings

Health Behaviors						
Metric	Metric Definition	Washington County	Ballad Health GSA Average	Ballad Health VA GSA Average	Virginia	Reference
Alcohol-Impaired Driving Deaths	Percentage of driving deaths with alcohol involvement	17.0%	22.0%	23.1%	30.0%	County Health Rankings
Excessive Drinking	Percentage of adults reporting binge or heavy drinking	16.0%	16.4%	16.2%	17.0%	County Health Rankings
Adult Smoking	Percentage of adults who are current smokers	18.0%	19.0%	19.3%	16.0%	County Health Rankings
Adult Obesity	Percentage of the adult population (age 20 and older) that reports a body mass index (BMI) greater than or equal to 30 kg/m2	30.0%	33.6%	33.9%	30.0%	County Health Rankings
Overweight or Obese Youth	Percentage of youth 10-17 years old who are classified as overweight or obese	Data not available at county level			31.0%	Kids Count
Access to Exercise Opportunities	Percentage of population with adequate access to locations for physical activity.	63.0%	60.3%	58.3%	82.0%	County Health Rankings
Physical Inactivity	Percentage of adults age 20 and over reporting no leisure-time physical activity	27.0%	33.3%	32.5%	23.0%	County Health Rankings
Teen Births	Number of live births to females 17 years of age or younger per 1,000 females	11.4	8.9	8.4	5.7	Kids Count
Drug Overdose Deaths	All drug overdose death rate per 100,000 residents	11.0	14.9	17.2	15.0	Virginia Department of Health
Violent Crime	Number of reported violent crime offenses per 100,000 population	155.0	162.9	166.6	207.0	County Health Rankings
Firearm Fatalities	Number of deaths due to firearms per 100,000 population	20.0	17.6	18.6	12.0	County Health Rankings
Motor Vehicle Crash Deaths	Number of motor vehicle crash deaths per 100,000 population	10.0	14.5	16.2	10.0	County Health Rankings

Health Determinants

Metric	Metric Definition	Washington County	Ballad Health GSA Average	Ballad Health VA GSA Average	Virginia	Reference
Uninsured Adults	Percentage of adults under age 65 without health insurance	13.0%	13.6%	13.9%	12.0%	County Health Rankings
Uninsured Children	Percentage of children under 19 years of age without health insurance	5.3%	5.3%	5.5%	5.0%	Kids Count
Median Household Income	The income where half of households in a county earn more and half of households earn less	\$45,500	\$40,863	\$39,236	\$72,600	County Health Rankings
Children Eligible for Free or Reduced Lunch	Percentage of public school students in grades K-12 who were approved for free or reduced-price school lunches according to federal guidelines	46.5%	56.8%	58.9%	41.8%	Kids Count
Children in Single-Parent Household	Percentage of children living with only one parent	31.4%	34.8%	35.2%	31.3%	Kids Count
Children In Poverty	Percentage of children ages 0-17 living at or below 100% of the Federal Poverty Level	17.2%	25.3%	26.1%	13.3%	Kids Count
Some College	Percentage of adults ages 25-44 with some post-secondary education	59.0%	55.1%	52.8%	71.0%	County Health Rankings
On-Time High School Graduation	Percentage of students in a cohort who earned a Board of Education approved diploma within four years of entering high school for the first time	96.4%	94.4%	94.4%	92.5%	Kids Count
Unemployment	Percentage of population ages 16 and older unemployed but seeking work	3.4%	4.0%	4.2%	3.0%	County Health Rankings
Food Insecurity	Percentage of population who lack adequate access to food	10.0%	11.9%	12.4%	10.0%	County Health Rankings
Passage Rate for Third Grade Reading Subject Standards of Learning	Percent of students who passed the Standards of Learning (SOL) assessment in reading	88.0%	80.4%	79.2%	71.0%	Kids Count
Kindergarten Readiness	Percent of students not meeting all Virginia Kindergarten Readiness Program benchmarks including: self-regulation, social skills, math, and PALS	2.50%	5.0%	5.0%	5.3%	Kids Count

Physical Environment

Metric	Metric Definition	Washington County	Ballad Health GSA Average	Ballad Health VA GSA Average	Virginia	Reference
Severe Housing Problems	Percentage of households with at least 1 of 4 housing problems: overcrowding, high housing costs, lack of kitchen facilities, or lack of plumbing facilities	10.0%	11.6%	12.2%	15.0%	County Health Rankings
Median Home Sale Price	The home sale price where half of homes in a county sell for more and half of homes sell for less	\$194,145	\$132,548	\$124,359	\$319,902	Virginia Relators
Air Pollution - particulate matter	Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	9.5	9.375	9.3	8.9	County Health Rankings

Clinical Care and Health Resources						
Metric	Metric Definition	Washington County	Ballad Health GSA Average	Ballad Health VA GSA Average	Virginia	Reference
Hospital Staffed Beds	Total number of hospital staffed beds available (in the Ballad Health system for county data)	116			18,743	Open Data DC
Licensed Beds	Total number of licensed beds available (in the Ballad Health system for county data)	95			21,842	Open Data DC
Primary Care Physicians	Ratio of population to primary care physicians	1,470:1			1,320:1	County Health Rankings
Mental Health Providers	Ratio of population to mental health providers	620:1			570:1	County Health Rankings
Dentists	Ratio of population to dentists	1,880:1			1,460:1	County Health Rankings
Preventable Hospital Stays	Rate of hospital stays for ambulatory-care sensitive conditions per 100,000 Medicare enrollees	6,122	5,829	6,043	4,461	County Health Rankings
Flu Vaccinations	Percentage of fee-for-service (FFS) Medicare enrollees that had an annual flu vaccination	46.0%	43.8%	42.1%	50.0%	County Health Rankings
Children on SNAP	Percentage of children who receive SNAP out of the total number of individuals (all ages) who receive SNAP	37.0%	34.8%	34.2%	42.3%	Kids Count

Maternal Infant Health

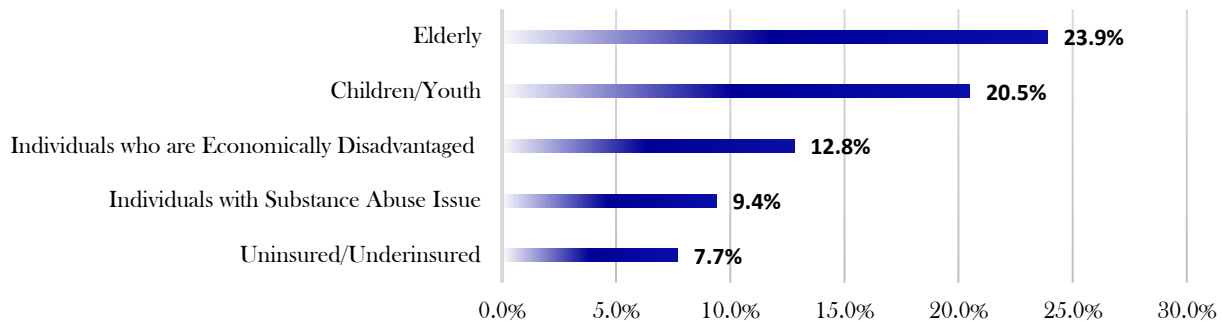
Metric	Metric Definition	Washington County	Ballad Health GSA Average	Ballad Health VA GSA Average	Virginia	Reference
Birth Rate	Number of births per 1,000 women ages 15-44	63.5	58.8	58.3	61.1	March of Dimes
Prenatal Care Beginning in First Trimester	Percent of women seeing a health care provider during the first thirteen weeks of pregnancy	29.2%	41.0%	48.8%	78.4%	Kids Count
Mothers Who Smoke During Pregnancy	Percent of births to mothers who smoked during pregnancy	Data not available at county level			5.0%	Kids Count

Adverse Childhood Experiences						
Metric	Metric Definition	Washington County	Ballad Health GSA Average	Ballad Health VA GSA Average	Virginia	Reference
Founded Child Abuse/Neglect Cases	Number children with founded child abuse or neglect cases	85.0	71.3	61.7	6413.0	Kids Count
Foster Care Entry	Rate of children who entered into foster care for at least one day during the state fiscal year per 1,000 children	1.3	4.4	5.0	1.4	Kids Count

11.5 Survey Question Data

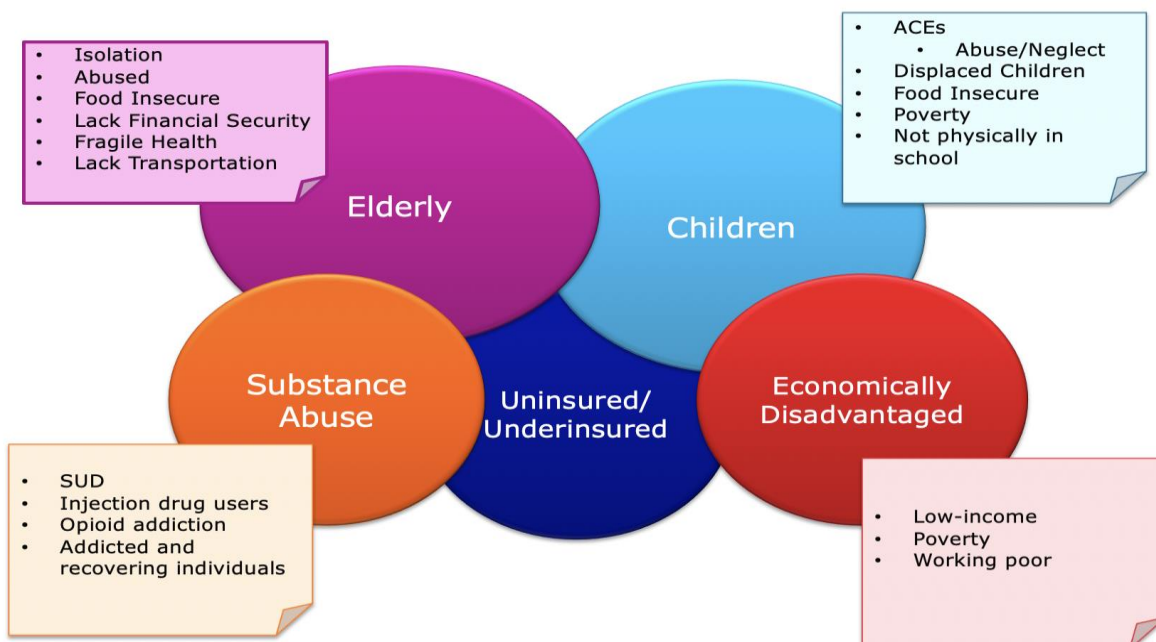
The first two questions (Q1 and Q2) on the key stakeholder survey were used to identify the service area of the respondent and determine what organization they were representing. Findings from questions three through thirteen (Q1 - Q13) are given below:

Q3) WHEN THINKING OF THE HEALTH OF YOUR COMMUNITY, WHAT VULNERABLE POPULATIONS DO YOU THINK DESERVE OUR PARTICULAR ATTENTION?

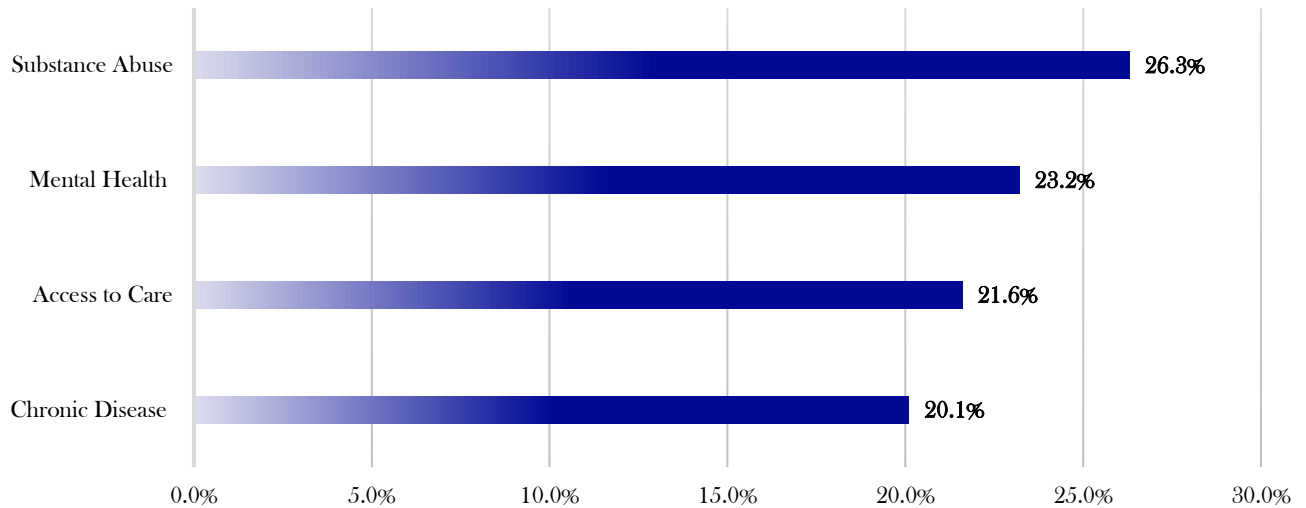


*Other vulnerable populations that were mentioned by respondents were homeless individuals, veterans, maternal women, and marginalized populations.

Below are some of the specifics given by survey respondents for each of the vulnerable populations listed above:

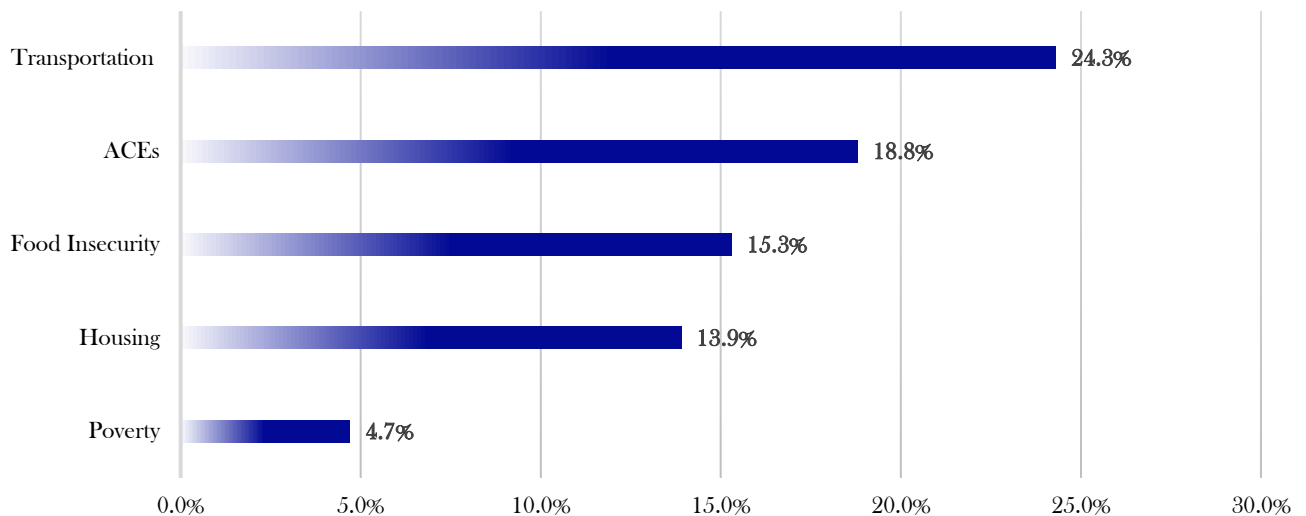


Q4) PLEASE LIST THE THREE MOST IMPORTANT HEALTH-RELATED ISSUES THAT AFFECT THE OVERALL HEALTH OF YOUR COMMUNITY.



*Other health-related issues that were mentioned by respondents were physical inactivity, unintended pregnancy, COVID-19, and dental health.

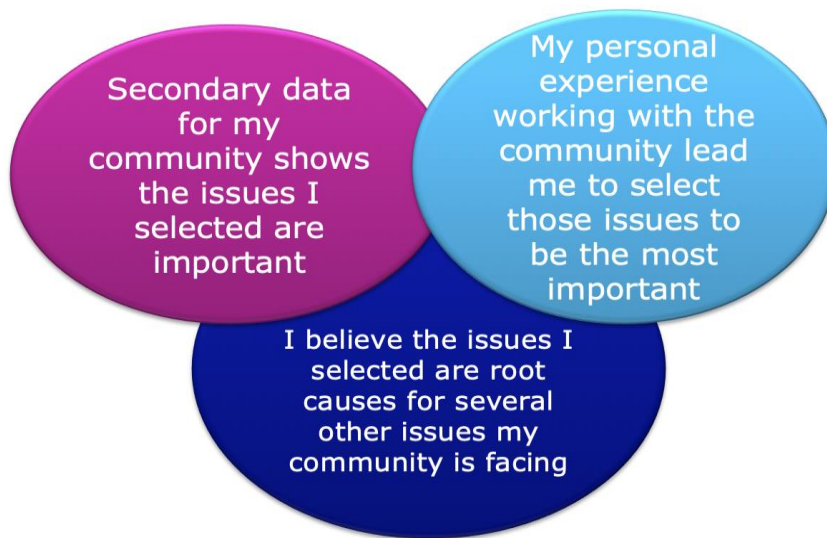
Q6) PLEASE LIST THE THREE MOST IMPORTANT SOCIAL/ENVIRONMENTAL ISSUES THAT AFFECT THE OVERALL HEALTH OF YOUR COMMUNITY.



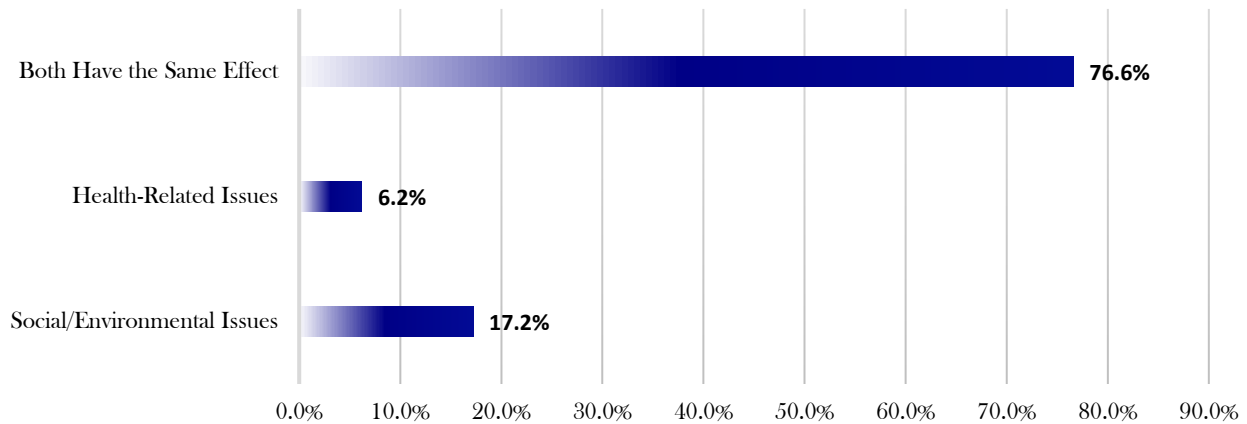
*Other social/environmental issues that were mentioned by respondents were education, discrimination, and safe water sources.

**Q5 and Q7) PLEASE ELABORATE ON WHY YOU
SELECTED THOSE THREE HEALTH-RELATED AND
SOCIAL/ENVIRONMENTAL ISSUES TO BE THE MOST
IMPORTANT.**

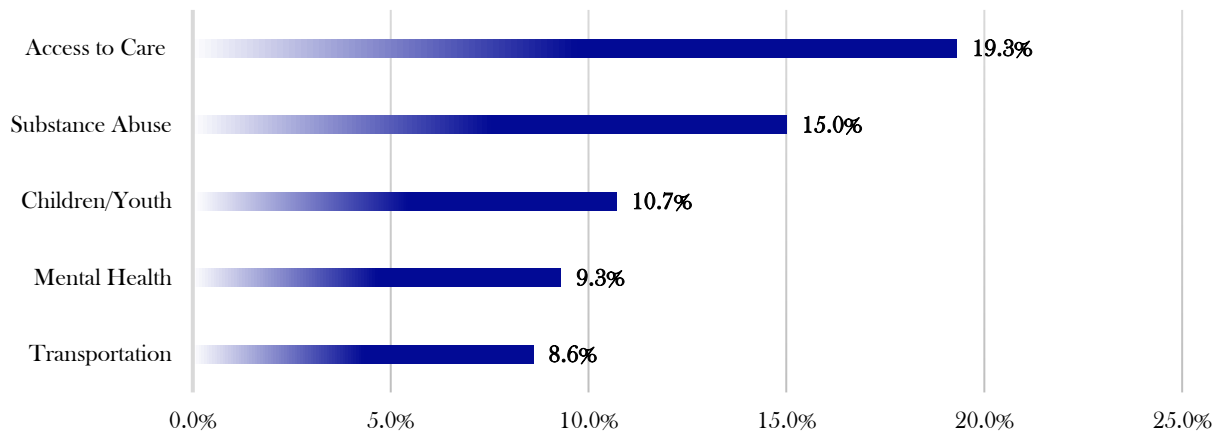
Three overarching themes were identified:



Q8) BASED ON YOUR ANSWERS TO BOTH QUESTION 4 AND QUESTION 6, WHICH DO YOU FEEL HAS A GREATER EFFECT ON THE OVERALL HEALTH OF YOUR COMMUNITY?



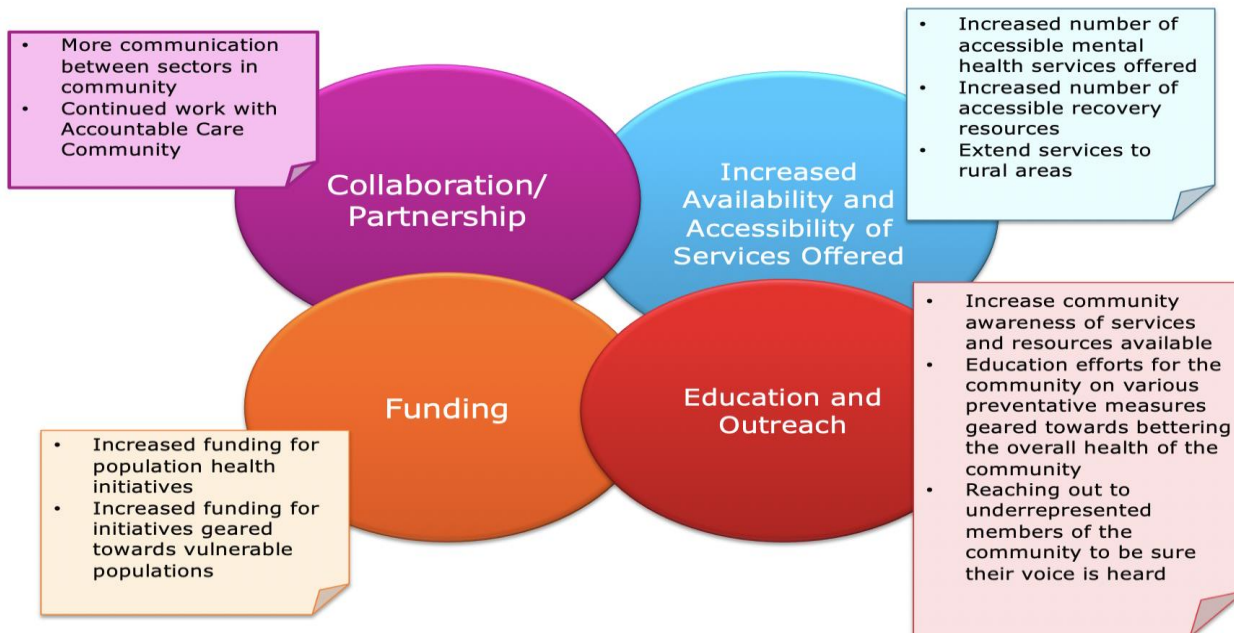
Q9) FROM THE PERSPECTIVE OF THOSE WHO LIVE IN YOUR COMMUNITY, WHAT ISSUES DO YOU BELIEVE THE RESIDENTS WOULD LIKE TO SEE EFFORTS PRIORITIZED AROUND?



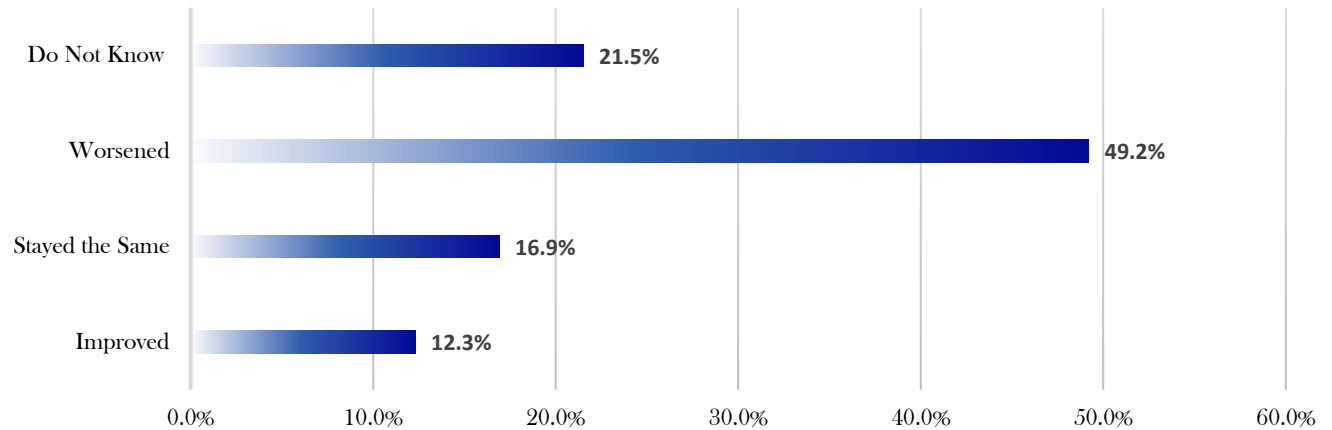
*Other community concerns that were mentioned by respondents were education, housing, ACEs, COVID-19, and food insecurity.

Q10) WHAT IDEAS OR SUGGESTIONS DO YOU HAVE TO IMPROVE THE OVERALL HEALTH OF YOUR COMMUNITY?

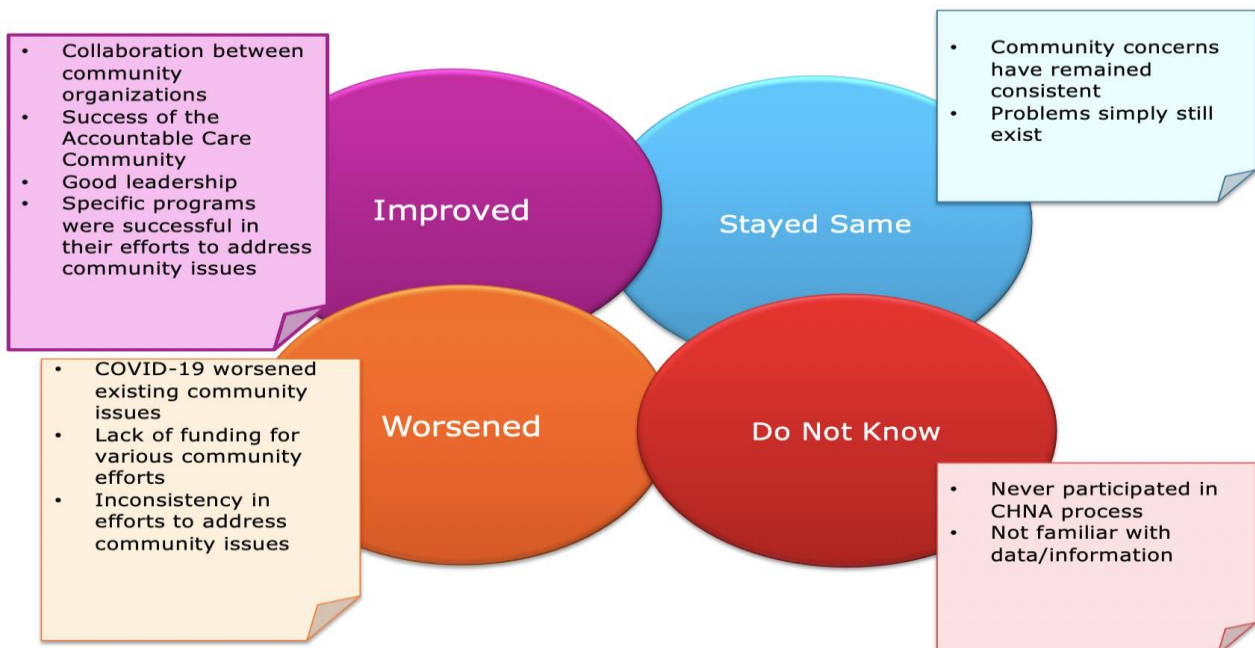
Four overarching themes were identified:



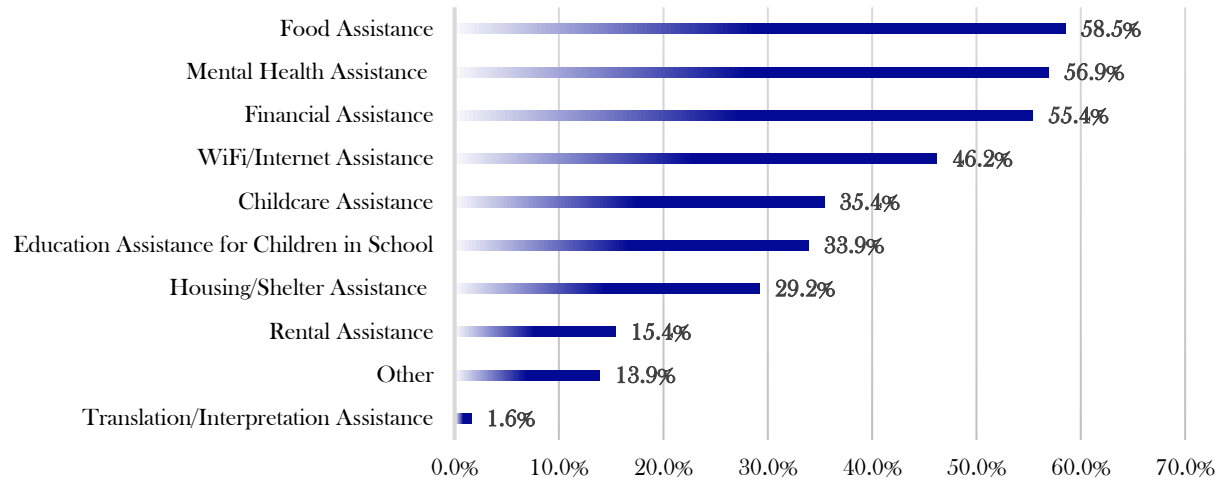
Q11) BASED ON THE PRIORITIES IDENTIFIED IN PREVIOUS COMMUNITY ASSESSMENTS, DO YOU FEEL AS THOUGH THINGS HAVE IMPROVED, STAYED THE SAME, OR WORSENERD?



Q12) BASED ON YOUR ANSWER TO THE PREVIOUS QUESTION, PLEASE ELABORATE ON WHY YOU SELECTED THE ANSWER YOU CHOSE.



**AS A RESULT OF COVID-19, WHICH OF THE
FOLLOWING SERVICES OR TYPES OF ASSISTANCE
HAVE BEEN NEEDED MOST BY THE THOSE
WITHIN YOUR COMMUNITY? (PLEASE SELECT
YOUR TOP 3)**



11.6 Focus Group Facilitation Guide

Top 10 Community Issues Identified via Community Stakeholder Survey (in no particular order):

*Both health-related and social/environmental issues are listed.

Transportation
Adverse Childhood Experiences (ACEs)
Food Insecurity/Lack of Proper Nutrition
Housing
Education
Discrimination
Access to Care
Substance Abuse
Mental Health
Chronic Disease

Prioritization of Community Issues:

*Attendees will be asked to vote on which 3 community issues they believe should have priority. Selection of the top 3 community issues will be based on majority of votes.

Question: Out of 10 community issues listed above, which 3 do you believe should be priority focus areas for improvement efforts moving forward?

Focus Group Discussion Questions:

*These discussions will be tailored to the 3 focus areas selected by the group.

Questions for Focus Area #1, #2, and #3:

*Each of the 7 questions below will be asked independently for each of the 3 focus areas identified. One focus area will be discussed at a time, meaning Questions 1-7 will be asked for Focus Area #1 before moving on to Focus Area #2, and so on.

- 1) What do you believe the potential root causes are for this focus area?
- 2) What resources currently exist in your community to address this focus area?
(programs, services, etc.)
- 3) What are some possible solutions to address this focus area?
- 4) What resources are needed that don't currently exist in your community to address this focus area?
- 5) Who should lead the effort to address this focus area?
- 6) Who else should be involved in the effort to address this focus area?
If not already mentioned,
- 7) What ideas do you have for the health system to address this focus area?

Question for ALL 3 Focus Areas:

*Question is for any or all of the 3 focus areas identified.

- 8) How will COVID-19 affect the community's ability to address any of the focus areas identified?

11.7 Data Sources and References

- Centers for Disease Control and Prevention
- America's Health Rankings
- County Health Rankings
- Sg2 Analytics
- Kids Count
- March of Dimes
- Open Data DC
- Virginia Department of Health
- Virginia Realtors
- National Association of County and City Health Officials