Johnson County Community Hospital: Community Health Needs

Assessment

Ballad Health

June 30, 2021

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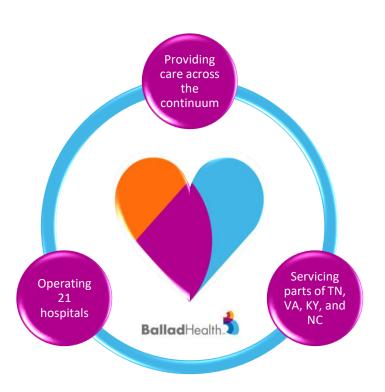
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1 Introduction

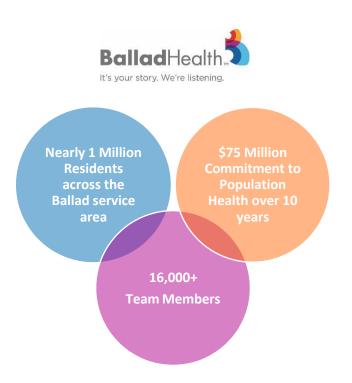
Johnson County Community Hospital, an acute care hospital in Mountain City, TN, is one of the hospitals within the Ballad Health system. Ballad Health is an integrated healthcare system serving 29 counties of Northeast Tennessee, Southwest Virginia, Northwest North Carolina, and Southeast Kentucky. Ballad 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 thepeople 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:

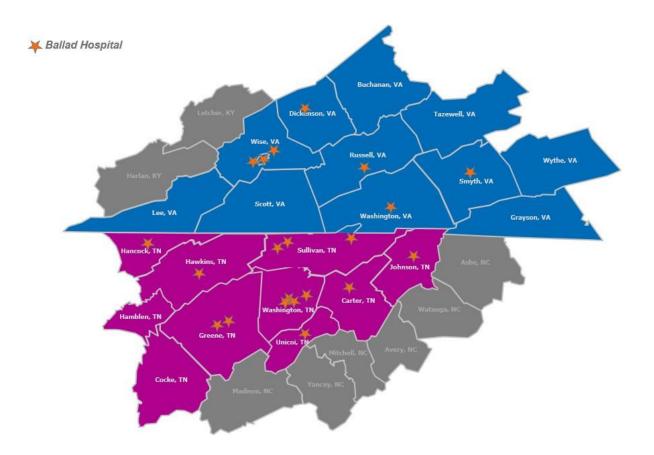
Ballad Health is committed to honoring those we serve by delivering the best possible care.

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-inhand 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 Ballad 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 Johnson County to include **substance use, mental health, and ACEs**. There are certainly a number of other health challenges in this community, but these rise to the top based on the assessment.

3 Johnson County Community Hospital

3.1 Facility Description

Johnson County Community Hospital offers hometown inpatient care coupled with a state-of-theart 24-hour emergency department. The hospital primarily serves upper Northeast Tennessee, but is also adjacent to parts of Western North Carolina and Southwest Virginia.

The two-bed hospital critical access hospital offers outpatient and primary care services, as well as cardiac rehabilitation, respiratory therapy, diagnostic services including CT scans, ultrasound, nuclear medicine and mammography, and physical therapy and laboratory services. Johnson County Community Hospital also provides Senior Health Solutions, a behavioral health program for seniors dealing with stress and/or sadness brought on by aging or personal loss.

Hospital outreach personnel provide health education at community events, and on-site influenza vaccines to local industry.



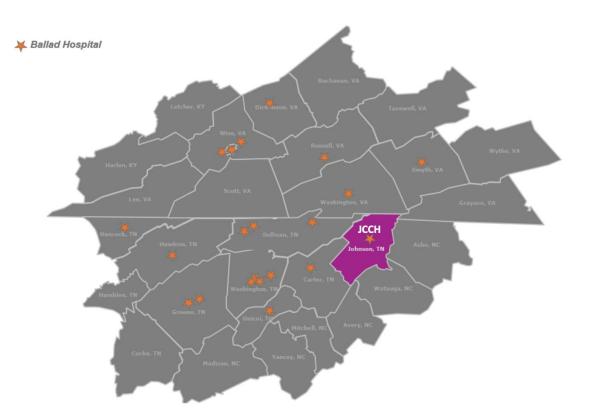
3.2 Scope of Services

Johnson County Community Hospital has a range of specialty and subspecialty services including the following:

- 24/7 Emergency Care
- Outpatient Diagnostic Imaging
- Laboratory Services
- Outpatient Rehabilitation
- Behavioral Health Solutions
- Primary Care
- Heart Care
- Respiratory Care
- Infusions

3.3 Primary Service Area

Johnson County Community Hospital's Primary Service Area covers Johnson County, Tennessee, located in the tip of Northeast Tennessee.



4 Community Assessment Process Summary

4.1 Market Overview

Johnson County Community Hospital, located in Mountain City, TN, primarily serves residents of Johnson County in Northeast Tennessee. In 2021, Johnson County had a population of 18,959 people. The population projections for Johnson County over the next five years show that the county will likely experience little population growth overall. However, the age 65+ population for Johnson County is projected to experience the most population change over the next five years, as it moves from 24.1% of the total population in 2021 to 26.6% 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 Johnson County is \$35,800, which ranks below the Tennessee state average of \$52,400. Notably, 35.6% of children in Johnson County live in poverty, compared to the Tennessee average of 19.4%. Other demographic factors influencing health status in the county also includes education levels. A large portion of Johnson County residents do not have an education past high school (62.7%). The remaining portion of the population reports having some college/associates degree (26.5%) or a bachelor's degree of greater (10.8%).

According to the 2021 County Health Rankings, Johnson County, where Johnson County Community Hospital is located, is ranked 78^{th} in Tennessee for health outcomes and 72^{rd} for health factors out of 95 counties. Johnson County also ranked 56^{th} in health behaviors, 51^{s} in clinical care, and 77^{th} in social and economic factors. A graphical representation of the 2021 County Health Rankings for Johnson 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 Ballad 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 Ballad 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 Ballad 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 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 Ballad Health's community health needs assessments. For a summary of how Ballad 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 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. 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 Ballad 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.

Ballad 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 Ballad Health facility and determine priority focus areas for future improvement efforts.

Table 2	
MAPP Model Phase	Ballad Health 2021 Community Health Needs Assessment Process
 Organize for Success/Partnership Development Stakeholders within the community gather to form partnerships and foster collaboration for assessments guided by the MAPP model. 	 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.	 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.	 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.	 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.	 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.	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 closeended 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 Johnson County is located in Northeast Tennessee, survey findings presented in the report and the Appendix are from the 64% of survey respondents who listed at least one county in Northeast Tennessee 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.

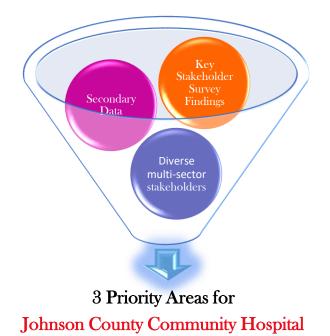
Following the conclusion of the focus group, the facilitator, notetaker, and chat box monitor collectively reviewed the notes to ensure accuracy and address any areas of confusion. Once focus group notes were finalized and approved, focus group data was coded and analyzed by primary and secondary coders 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 Johnson County Community Hospital, there were seven (n=7) focus group participants. Similar to the key stakeholder survey representation, focus group participants represented an array of different sectors in Johnson 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 Ballad Health to ensure the involvement of diverse stakeholders.

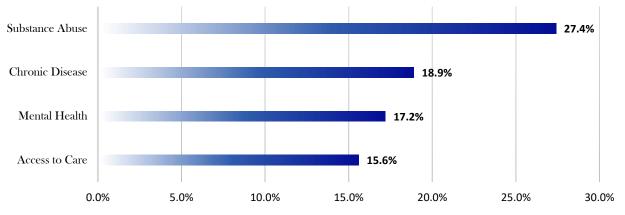
5 Identification of Key Priority Areas

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



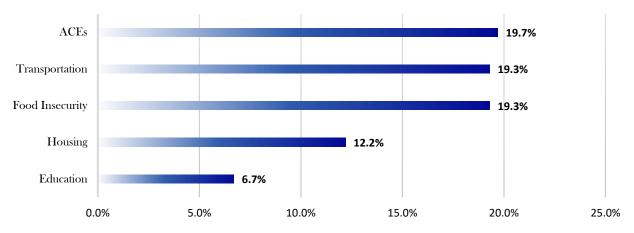
As discussed in the section concerning the design of the key stakeholder survey, three of the thirteen survey questions dealt with the identification of the most pressing community issues. The first of the three questions dealt with asking key stakeholders to frame in their own words what the top three 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 Northeast Tennessee are shown in the graphs below. The percentages on the bar graphs represent the percentage of Northeast Tennessee 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.



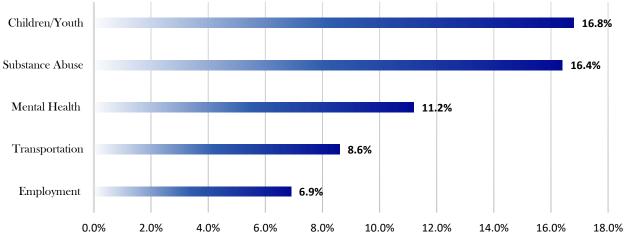
*Other health-related issues that were mentioned by respondents were physical inactivity, unintended pregnancy, COVID-19, and dental health.

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



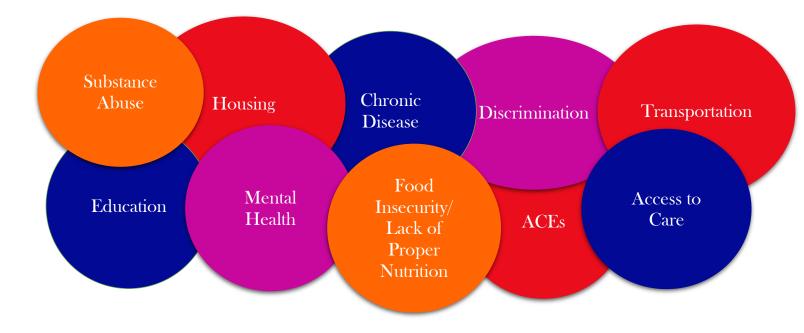
*Other social/environmental issues that were mentioned by respondents were poverty, discrimination, and safe water sources.

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 childcare, ACEs, and COVID-19.

From these three survey questions, the top ten community issues identified for Northeast Tennessee communities were found to be the following:



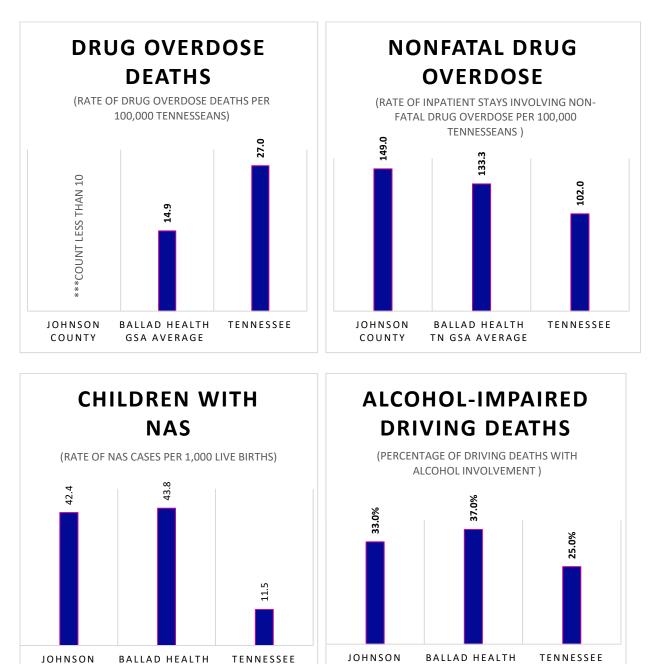
After being presented with the secondary data specific to Johnson County, focus group participants were asked to vote for three of the ten community issues listed above that they felt should be priority focus areas for future improvement efforts in Johnson County. The three issues that obtained the majority of the votes were the three priority areas selected and became the focus of the facilitated discussion. For Johnson County Community Hospital, the three priority areas for future improvement efforts that were selected by key stakeholders in Johnson County are **substance abuse**, **mental health, and adverse childhood experiences (ACEs)**. 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 Johnson County Community Hospital.

Table 3			
Priority Focus Area	Sub-Measure		
Substance Abuse	 Drug Overdose Deaths Children with NAS Alcohol-Impaired Driving Deaths Excessive Drinking 		
Mental Health	Frequent Mental DistressSuicide Rate		
ACEs	Founded Child Abuse/Neglect CasesFoster Care Entry		

As evidenced by the county-level vs. state-level data represented for each of the priority measures selected by Johnson 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 Tennessee data is not intended as a benchmark, but merely as a comparison. In addition to state-level comparisons, priority measures for Johnson County are also compared to the average of the Northeast Tennessee counties in Ballad Health's GSA.

By identifying these priority areas, Johnson County Community 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 Johnson County.

5.1 Priority Area Measures with County vs. Ballad Health GSA Average for NE TN Counties vs. State Comparisons (when applicable):



COUNTY

TN GSA

AVERAGE

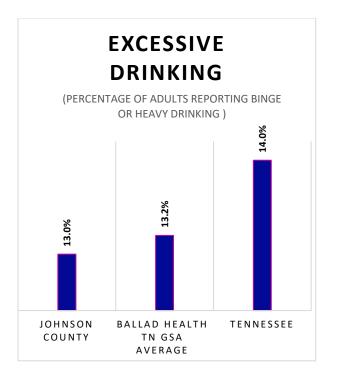
5.1.1 Substance Abuse

COUNTY

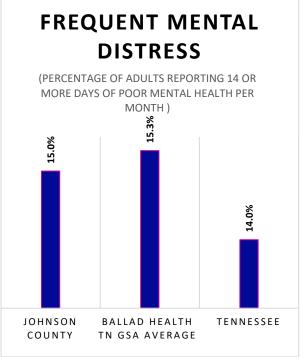
TN GSA

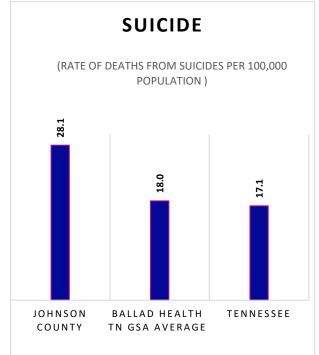
AVERAGE

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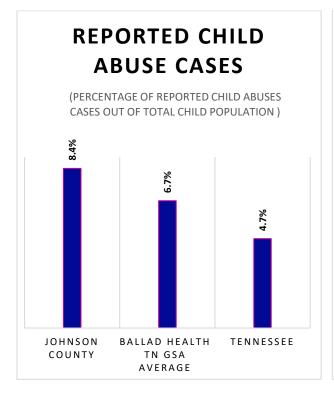


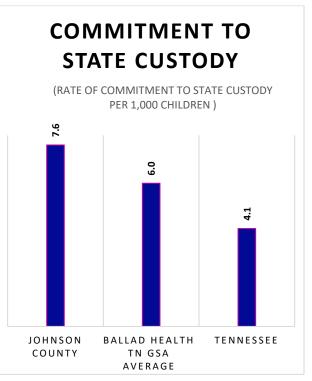
5.1.2 Mental Health





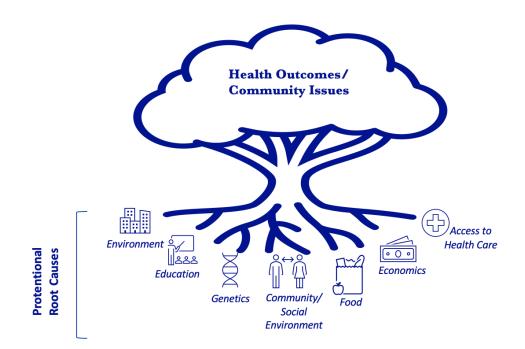
5.1.3 ACEs





6 Root Causes of Key Priority Areas

Because health is more than just a result of behaviors or individual pre-disposition to disease, Ballad 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 Ballad 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 Johnson County Community 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 Johnson County Community Hospital include:

6.1 Substance Abuse:

- Mental health issue
- Lack of mental health providers
- ACEs and past trauma
- Injury and physical pain
- Inappropriate prescribing of pain medication

6.2 Mental Health:

- Trauma
- Job insecurity
- Family history
- Substance misuse
- Generational disconnect
- Technology
- Daily pace (no leisure time)
- Academic pressure

6.3 ACEs:

- Breakdown of family
- Family cycle of violence
- Parental stress

7 Community and Hospital Resources: Current and Needed

7.1 Current Resources

To help improve the identified health priorities for Johnson 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 Johnson 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:

- ACTION coalition
- Families Free
- Families Free Recovery Court
- Moral Recognition in the jail and in the community
- Narcotics Anonymous and Alcoholics Anonymous
- Frontier Health
- Family Resource Center
- Handle with Care

7.1.2 Mental Health:

- Senior Solutions
- Frontier Health
- School Counseling and Family Resource center
- Senior Center
- Anti-Drug Coalition
- Outdoor spaces

7.1.3 ACEs:

- ACEs training has been provided to all Mountain City employees
- ACEs training for school staff
- ETSU and Ballad have provided trainings about ACEs

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:

- Increased number of mental health professionals
- Churches can help with assistance

7.2.2 Mental Health:

- Local Psychiatry for adults that is not tele-health
- Increased ACEs awareness
- Comprehensive addiction management services

7.2.3 ACEs

- Social services supports in the community and schools
- Increased ACEs awareness
- Resources to allow for the identification of at-risk youth
- Transportation resources to get youth to the services/resources available
- Childcare
- Parenting classes
- Resources for parents to help mitigate stress
- Structured afterschool activities
- Leadership classes for youth
- Resiliency training

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, Johnson County Community 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 Johnson 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 Johnson County Community Hospital. Focus group participants were not asked to formulate entire initiatives or improvement efforts, but were instead asked to offer ideas and suggestions for potential improvement effort. The ideas and suggestions for potential 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:

- Support services for people when they come out of incarceration, specifically those with prior substance abuse charges
- Employers that will partner with ACTION Coalition and provide employment for those reentering the workforce after incarceration.
- Stable housing
- Assistance to reconnect those that have been incarcerated with their families; bring the family unit back together
- Programs geared towards ACE reduction in children
- Provide mental health services with incarcerated
- Youth programs that teach resiliency and provide positive reinforcement.
- More programming for at-risk youth
- Continued policy changes at the state level
- Encourage individuals to use services that are available
- Health Department offers LARCs (long-acting reversible contraception) and transportation
- Reduce stigma and normalize mental health assistance

8.1.2 Mental Health:

- State policies that let kids be kids (reduce academic pressure)
- Different measures of student success besides a state mandated written test
- More mental health providers in the community
- Positive community messaging (poverty does not equal doom)
- More mental health providers in the hospital
- Hospital staff training on mental health referrals

• Reduce stigma centered around mental health in the community

8.1.3 ACEs:

- Shared communication system between law enforcement, schools, healthcare, and social services
- Parenting classes
- Early childhood care
- Home visiting
- Increased trauma informed training
- Expand awareness about ACEs to businesses, organizations, and community
- Identify at-risk kids for ACEs

8.2 Ideas and Suggestions for Improvement Efforts Specific to Ballad Health and Johnson County Community Hospital

In addition to discussing ideas and suggestions for protentional improvement efforts, the focus group participants also discussed possibilities for how Johnson County Community 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 Johnson County Community Hospital should either lead or be largely involved in the improvement effort. Suggestions as to how Ballad Health and Johnson County Community Hospital can improve the previously identified priority focus areas are listed below:

8.2.1 Substance Abuse:

- Mental health providers in the community
- Mental health providers in the hospital
- Hospital staff trained and having the knowledge they need to make mental health referrals
- Community partners working together
- Centralized location of services / co-location of services
- Help navigating resources

8.2.2 Mental Health:

- Policy leverage
- Increase number of mental health providers
- Train hospital staff on mental health referrals
- Positive Messaging: poverty does not equal Doom
- Centralized location of services / co-location of services

8.2.3 ACEs:

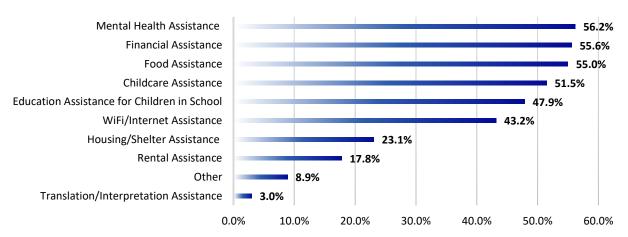
- Shared communication system (understanding there are legal/privacy hurdles to overcome here)
- Offer parenting class in hospital for parents after birth of a child
- ACEs training for Emergency department nurses

- New parent education about serve and return
- ACEs Prevention coordinator

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 communities are still 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 Northeast Tennessee 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. Focus group participants mentioned the following negative consequences that arose from the pandemic:

- COVID-19 created a barrier for mental health help
- COVID-19 affected the ability to provide services and get information to our community
- Limited social interactions
- Put children on the internet, often unsupervised, and increased screen time
- Restricted prevention education
- Exposure to misinformation

It was crucial to focus group participants that future efforts to address the three priority focus areas acknowledge the strains that have been placed on communities and account for the above negative consequences as communities are still healing from 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 Johnson County Community 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 Johnson County.

11 Appendix

11.1 Sg2 2021 Population Profile

The table below highlights key demographic statistics for Johnson County, TN:

Sg2	MAF	RKET	SNA	PSHOT	
- 0-					



Market Snapshot

Johnson County, TN

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	8,790	46.36%	8,897	46.57%	1.22%	50.75%
Iale Population	10,169	53.64%	10,209	53.43%	0.39%	49.25%
Fotal	18,959	100.00 %	19,106	100.00 %	0.78 %	100.00 %
	Market 2021	Market 2021	Market 2026	Market 2026	Market Population %	National 2021
Age Groups	Population	% of Total	Population	% of Total	Change	% of Total
00-17	3,124	16.48%	3,039	15.91%	(2.72 %)	22.17%
8-44	5,800	30.59%	5,755	30.12%	(0.78 %)	35.64%
5-64	5,466	28.83%	5,222	27.33%	(4.46 %)	25.13%
35-UP	4,569	24.10%	5,090	26.64%	11.40%	17.06%
otal	18,959	100.00 %	19,106	100.00 %	0.78 %	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	61	0.32%	72	0.38%	18.03%	6.05%
Black Non-Hispanic	421	2.22%	449	2.35%	6.65%	12.40%
lispanic	450	2.37%	537	2.81%	19.33%	19.24%
White Non-Hispanic	17,733	93.53%	17,707	92.68%	(0.15 %)	58.97%
All Others	294	1.55%	341	1.78%	15.99%	3.34%
Fotal	18,959	100.00 %	19,106	100.00 %	0.78 %	100.00 %
_anguage*	Market 2021 Population	Market 2021 % of Total	Market 2026 Population	Market 2026 % of Total	Market Population % Change	National 2021 % of Total
chinese at Home	195	1.07%	196	1.07%	0.51%	1.25%
rench at Home	59	0.32%	62	0.34%	5.08%	0.75%
ermanic Lang at Home	79	0.43%	78	0.43%	(1.27 %)	0.74%
Only English at Home	17,426	95.89%	17,562	95.91%	0.78%	76.50%
Spanish at Home	344	1.89%	343	1.87%	(0.29 %)	14.95%
All Others	70	0.39%	70	0.38%	0.00%	5.81%
Fotal	18,173	100.00 %	18,311	100.00 %	0.76 %	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	1,431	18.52%	1,284	16.32%	(10.27 %)	9.67%
15-25K	1,451	14.88%	1,092	13.88%	(10.27 %)	8.29%
i25-50K	2,326	30.10%	2,285	29.04%	(1.76 %)	20.27%
50-75K	1,000	12.94%	1,078	13.70%	7.80%	16.57%
75-100K	814	10.53%	797	10.13%	(2.09 %)	12.46%
100K-200K	742	9.60%	999	12.70%	34.64%	23.23%
\$200K	265	3.43%	334	4.24%	26.04%	9.51%
Fotal	7,728	100.00 %	7,869	4.24%	1.82 %	9.51% 100.00 %
Education Level**	Market 2021 Population	Market 2021 % of Total	Market 2026 Population	Market 2026 % of Total	Market Population % Change	National 202 % of Total
ess than High School	1,156	8.01%	1,173	8.06%	1.47%	5.05%
Some High School	1,820	12.61%	1,839	12.64%	1.04%	6.83%
	0.070	42.06%	6,134	42.15%	1.05%	26.95%
ligh School Degree	6,070	-12.0070	-,			
High School Degree Some College/Assoc. Degree	3,828	26.52%	3,851	26.46%	0.60%	31.05%

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

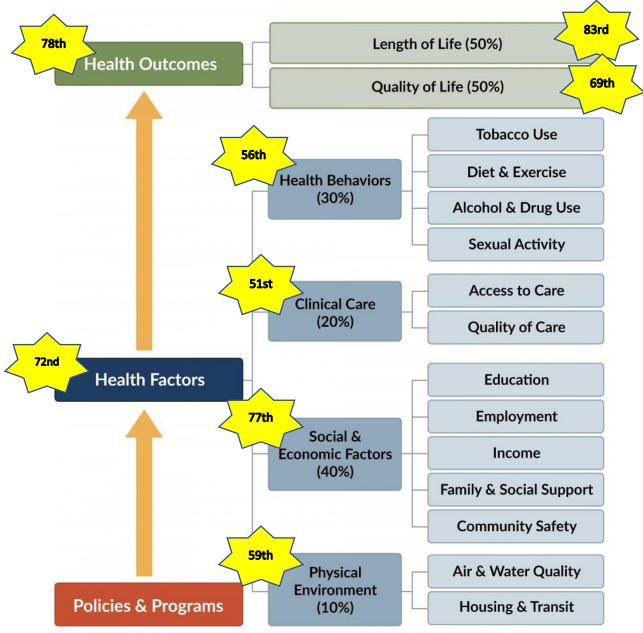
11.2 America's Health Rankings Graphic

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

High-speed Internet - Ages 65+	Poverty Racial Disparity - Ages 65+			
73.7% SINCE 2020, HIGH-SPEED INTERNET - AGES 65+ * INCREASED 3% FROM 71.6% TO 73.7%	2.2 RATIO OF THE RACIAL OR ETHNIC GROUP WITH THE HIGHEST POVERTY RATE TO THE NON-HISPANIC WHITE RATE AMONG ADULTS AGES 65 AND OLDER			
Geriatric Providers	Preventable Hospitalizations - Ages 65-74			
222.9 NUMBER OF FAMILY MEDICINE AND INTERNAL MEDICINE GERIATRICIANS AND NURSE PRACTITIONERS PER 100,000 ADULTS AGES 65 AND OLDER	SINCE 2020, PREVENTABLE HOSPITALIZATIONS - AGES 65-74* DECREASED 8% FROM 3,020 TO 2,770 * Discharges per 100,000 Medicare beneficiaries ages 65-74			
Severe Housing Problems - Ages 62+	Early Death - Ages 65-74			
26.0% PERCENTAGE OF ONE- TO TWO-PERSON HOUSEHOLDS WITH AN ADULT AGES 62 AND OLDER WITH AT LEAST ONE OF THE FOLLOWING PROBLEMS: LACK OF COMPLETE KITCHEN FACILITIES, LACK OF PLUMBING FACILITIES, OVERCROWDING OR COST-BURDENED OCCUPANTS (5- YEAR ESTIMATE)	2,241 SINCE 2020, EARLY DEATH - AGES 65-74* DECREASED FROM 2,251 TO 2,241 * Deaths per 100,000 adults ages 65-74			

11.3 County Health Rankings Graphic

The infographic below shows the 2021 rankings for Johnson County for each of the County Health Ranking model components out of the 95 Tennessee counties.



County Health Rankings model © 2014 UWPHI

11.4 Secondary Data Tables

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

Health Outcomes						
Metric	Metric Definition	Johnson County	Ballad Health GSA Average	Ballad Health TN GSA Average	Tennessee	Reference
Infant Mortality	Number of infant deaths (under one year of age) per 1,000 live births	6.1	6.9	7.2	6.9	<u>Tennessee</u> <u>Commission</u> <u>on Children</u> <u>& Youth</u>
Low Birthweight	Percentage of live born infants with birth weight less than 5 pounds, 8 ounces	8.5%	9.3%	8.3%	9.3%	<u>Kids Count</u>
Children with NAS	Rate of NAS cases per 1,000 live births	42.4	64.4	43.8	11.5	<u>Tennessee</u> <u>Commission</u> <u>on Children</u> <u>& Youth</u>
Poor or Fair Health	Percentage of adults reporting fair or poor health (age-adjusted)	22.0%	18.7%	22.4%	20.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
Cardiovascular Deaths	Rate of deaths from diseases of the heart per 100,000 population	354.4	527.8	347.7	242.5	<u>Tennessee</u> <u>Department</u> <u>of Health</u>
Cancer Deaths	Number of cancer deaths (all sites) per 100,000 population	216.6	192.7	189.6	177.4	<u>CDC</u>
Diabetes Mellitus Deaths	Rate of deaths from diabetes per 100,000 population	16.9	32.4	33.6	29.9	<u>Tennessee</u> <u>Department</u> <u>of Health</u>
Cerebrovascular Deaths	Rate of deaths from cerebrovascular disease per 100,000 population	61.9	73.2	55.5	51.7	<u>Tennessee</u> <u>Department</u> <u>of Health</u>
Suicide Rate	Rate of deaths from suicides per 100,000 population	28.1	22.5	18.0	17.1	<u>Tennessee</u> <u>Department</u> <u>of Health</u>
Lung Cancer Deaths	Number of lung and bronchus cancer deaths per 100,000 population	65.7	57.8	58.7	51.3	<u>CDC</u>
Female Breast Cancer Deaths	Number of female breast cancer deaths per 100,000 women	Count 3 or fewer	21.7	20.7	22.0	<u>CDC</u>
Prevalence of Diabetes	Percentage of adults aged 20 and above with diagnosed diabetes	13.0%	15.2%	17.1%	13.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
Mammography Screening	Percentage of female Medicare enrollees ages 65-74 that received an annual mammography screening	40.0%	40.1%	41.5%	41.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
Frequent Mental Distress	Percentage of adults reporting 14 or more days of poor mental health per month	15.0%	13.8%	15.3%	14.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
Premature Deaths	Number of deaths among residents under age 75 per 100,000 population (age-adjusted)	550.0	526.4	535.0	450.0	<u>County</u> <u>Health</u> <u>Rankings</u>

Health Behaviors						
Metric	Metric Definition	Johnson County	Ballad Health GSA Average	Ballad Health TN GSA Average	Tennessee	Reference
Alcohol-Impaired Driving Deaths	Percentage of driving deaths with alcohol involvement	33.0%	22.0%	37.0%	25.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
Excessive Drinking	Percentage of adults reporting binge or heavy drinking	13.0%	16.4%	13.2%	1 4.0 %	<u>County</u> <u>Health</u> <u>Rankings</u>
Adult Smoking	Percentage of adults who are current smokers	23.0%	19.0%	22.8%	23.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
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	28.0%	33.6%	33.8%	33.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
TN Public School Students Measured as Overweight or Obese	Percentage of public school students who were measured as overweight or obese	37.6%		45.3%	39.3%	Tennessee Commission on Children & Youth
Physical Inactivity	Percentage of adults age 20 and over reporting no leisure-time physical activity	29.0%	60.3%	30.1%	27.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
Access to Exercise Opportunities	Percentage of population with adequate access to locations for physical activity	100.0%	33.3%	63.8%	70.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
Teen Births	Number of live births per 1,000 females aged 15-17 years old	16.5	8.9	11.2	9.6	<u>Kids Count</u>
Drug Overdose Deaths	Rate of drug overdose deaths per 100,000 Tennesseans	Count less than 10	14.9		27.0	<u>Tennessee</u> <u>Department</u> <u>of Health</u>
Nonfatal Drug Overdose	Rate of inpatient stays involving non-fatal drug overdose per 100,000 Tennesseans	149.0	162.9	133.3	102.0	<u>Tennessee</u> <u>Department</u> <u>of Health</u>
Opioid Prescription	Rate of opioid prescriptions per 1,000 Tennesseans (at least one opioid for pain prescription)	791.0	17.6	1091.8	793.0	<u>Tennessee</u> <u>Department</u> <u>of Health</u>
Violent Crime	Number of reported violent crime offenses per 100,000 population	628.0	14.5	376.3	621.0	<u>County</u> <u>Health</u> <u>Rankings</u>
Firearm Fatalities	Number of deaths due to firearms per 100,000 population	21.0		15.8	17.0	<u>County</u> <u>Health</u> <u>Rankings</u>
Motor Vehicle Crash Deaths	Number of motor vehicle crash deaths per 100,000 population	22.0		18.2	15.0	<u>County</u> <u>Health</u> <u>Rankings</u>

Health Determinants						
Metric	Metric Definition	Johnson County	Ballad Health GSA Average	Ballad Health TN GSA Average	Tennessee	Reference
Uninsured Adults	Percentage of adults under age 65 without health insurance	15.0%	13.6%	14.6%	14.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
Uninsured Children	Percent of uninsured children under the age of 19	5.3%	5.3%	4.7%	5.1%	<u>Kids Count</u>
Median Household Income	The income where half of households in a county earn more and half of households earn less	\$35,800	\$40,863	\$41,140	\$52,4 0 0	<u>County</u> <u>Health</u> <u>Rankings</u>
Children Eligible for Free or Reduced Lunch	Percentage of students who are eligible for the free or reduced- price meals program during a school year	84 .1%	56.8%	71.6%	62 .1%	<u>Kids Count</u>
Children in Single-Parent Household	Percentage of children that live in a household headed by single parent	23.0%	34.8%	34.5%	35.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
Children In Poverty	Percent of children under age 18 living with an income below the official poverty threshold	35.6%	25.3%	28.0%	19.4%	<u>Kids Count</u>
High School Graduation	Percentage of students graduating within four years of entering high school, and graduation in more than four years for students with an Individual Education Plan	96.2%	55.1%	89.7%	89.6%	<u>Kids Count</u>
College Going Rate	Percentage of high school students who were part of the high school freshman cohort and graduated during the winter, spring, or summer preceding the summer or fall they enrolled in higher education	48.4%	94.4%	59.4%	61.8%	<u>Kids Count</u>
College Enrollment/Completion	Exact data definition not provided by source	64.5%	4.0%	64.0%	62.5%	Tennessee Commission on Children & Youth
Unemployment	Percentage of population ages 16 and older unemployed but seeking work	3.5%	11. 9 %	4.2%	3.5%	<u>County</u> <u>Health</u> <u>Rankings</u>
Food Insecurity	Percentage of population who lack adequate access to food	15.0%	80.4%	13.9%	14.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
TNReady English Language Arts for 3rd to 8th graders	Percentage of students from 3rd to 8th grade who achieved on-track or mastered score in English Language Arts (ELA) during a school year	29.6%	5.0%	31.9%	33.7%	<u>Kids Count</u>

Physical Environment						
Metric	Metric Definition	Johnson County	Ballad Health GSA Average	Ballad Health TN GSA Average	Tennessee	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	1 4.0%	11.6%	13.1%	15.0%	<u>County</u> <u>Health</u> <u>Rankings</u>
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	\$115,000	\$132,548	\$128,501	\$146,000	Tennessee Commission on Children <u>& Youth</u>
Air Pollution - particulate matter	Average daily density of fine particulate matter in micrograms per cubic meter (PM2.5)	8.6	9.4	9.7	10.0	<u>County</u> <u>Health</u> <u>Rankings</u>

Clinical Care and Health Resources						
Metric	Metric Definition	Johnson County	Ballad Health GSA Average	Ballad Health TN GSA Average	Tennessee	Reference
Hospital Staffed Beds	Total number of hospital staffed beds available (in the Ballad Health system for county data)	2			19,756	Tennessee Department of Health
Licensed Beds	Total number of licensed beds available (in the Ballad Health system for county data)	2			24,649	Tennessee Department of Health
Medical Doctors	Rate of medical doctors per 100,000 residents	33.8		103	229.1	<u>Tennessee</u> <u>Commission</u> <u>on Children</u> & Youth
Mental Health Providers	Ratio of population to mental health providers	1,270:1			660:1	<u>County</u> <u>Health</u> <u>Rankings</u>
Dentists	Rate of dentists per 100,000 residents	5.6		26	50.1	<u>Tennessee</u> <u>Commission</u> <u>on Children</u> <u>& Youth</u>
Preventable Hospital Stays	Rate of hospital stays for ambulatory-care sensitive conditions per 100,000 Medicare enrollees	4,543	5,829	5,064	5,320	<u>County</u> <u>Health</u> <u>Rankings</u>
Flu Vaccinations	Percentage of fee-for-service (FFS) Medicare enrollees that had an annual flu vaccination	34.0%	43.8%	41%	49.0%	<u>County</u> <u>Health</u> Rankings
Medicaid Enrollees	Percent of population enrolled in TennCare	24.4%	34.8%	24%	20.7%	<u>Kids Count</u>
Food Stamp Eligible Participants	Percent of population who receive food stamps under SNAP	18.4%		18%	13.4%	<u>Kids Count</u>
Children on SNAP	Percent of children on SNAP out of total child population	38.6%		35%	28.2%	<u>Tennessee</u> <u>Commission</u> <u>on Children</u> <u>& Youth</u>
Infants and Children on WIC	Percent of infants on WIC out of total infant population	58.3%		48%	30.6%	<u>Tennessee</u> <u>Commission</u> <u>on Children</u> <u>& Youth</u>

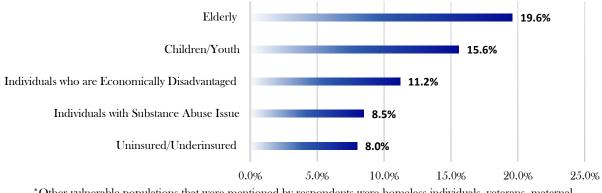
Maternal Infant Health						
Metric	Metric Definition	Johnson County	Ballad Health GSA Average	Ballad Health TN GSA Average	Tennessee	Reference
Birth Rate	Number of births per 1,000 women ages 15-44	9.3	58.8	10.2	11.9	<u>Tennessee</u> <u>Commission</u> <u>on Children</u> <u>& Youth</u>
Adequate Prenatal Care	Percent of live births in a given calendar year where mother received adequate prenatal care	46 .1%	41.0%	56.1%	58.8%	<u>Tennessee</u> <u>Commission</u> <u>on Children</u> <u>& Youth</u>
Mothers Who Smoke During Pregnancy	Percent of total births for which the mother indicated she smoked while pregnant	29 .1%		25.2%	12.1%	<u>Tennessee</u> <u>Commission</u> <u>on Children</u> <u>& Youth</u>

Adverse Childhood Experiences							
Metric	Metric Definition	Johnson County	Ballad Health GSA Average	Ballad Health TN GSA Average	Tennessee	Reference	
Reported Child Abuse Cases	Percentage of reported child abuses cases out of total child population	8.4%		6.7%	4.7%	<u>Tennessee</u> <u>Commission</u> <u>on Children</u> <u>& Youth</u>	
Commitment to State Custody	Rate of commitment to state custody per 1,000 children	7.6	4.4	6.0	4.1	Tennessee Commission on Children & Youth	

11.5 Survey Question Data

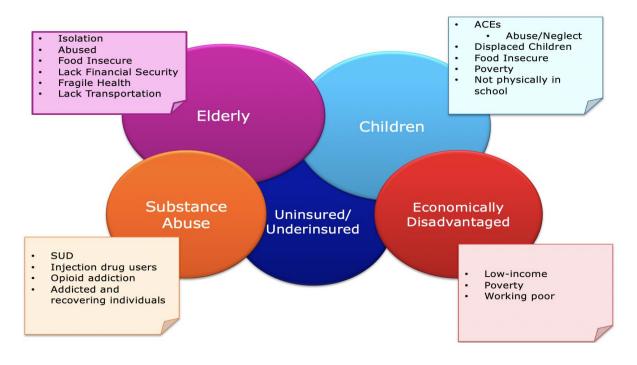
The first two questions (Q1 and Q2) on the key stakeholder survey were used to identify the service area of the respondent and determine what organization they were representing. Findings from Northeast Tennessee respondents for questions three through thirteen (Q1 – Q13) are given below:

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

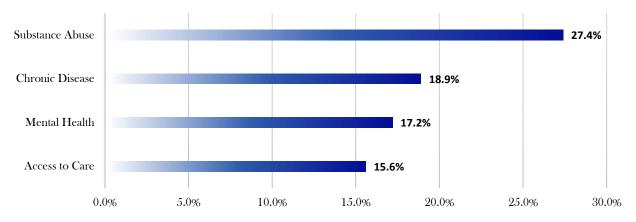


*Other vulnerable populations that were mentioned by respondents were homeless individuals, veterans, maternal women, and marginalized populations.

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

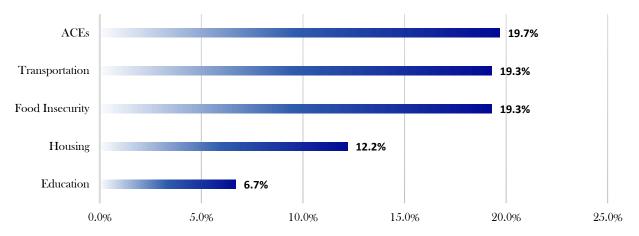


Q4) PLEASE LIST THE THREE MOST IMPORTANT HEALTH-RELATED ISSUES THAT AFFECT THE OVERALL HEALTH OF YOUR COMMUNITY.



*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.



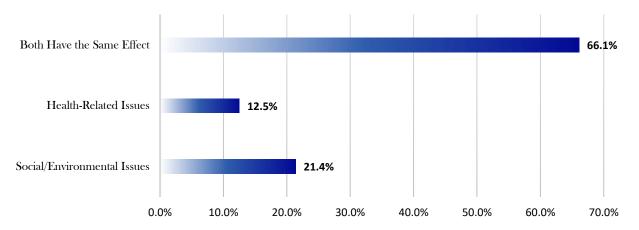
*Other social/environmental issues that were mentioned by respondents were poverty, discrimination, and safe water sources.

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

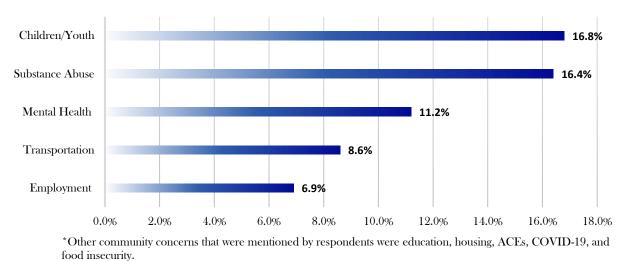
Three overarching themes were identified:



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?

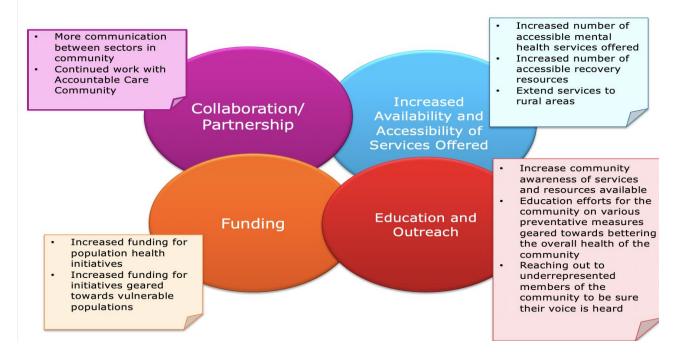


Q9) FROM THE PERSPECTIVE OF THOSE WHO LIVE IN YOUR COMMUNITY, WHAT ISSUES DO YOU BELIEVE THE RESIDENTS WOULD LIKE TO SEE EFFORTS PRIORITIZED AROUND?

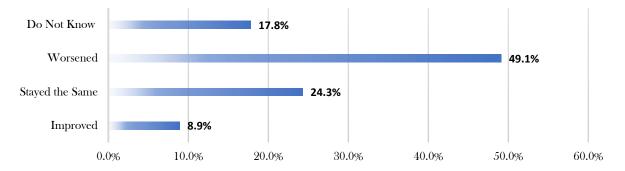


Q10) WHAT IDEAS OR SUGGESTIONS DO YOU HAVE TO IMPROVE THE OVERALL HEALTH OF YOUR COMMUNITY?

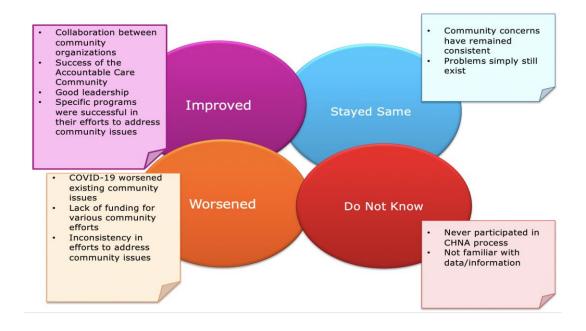
Four overarching themes were identified:



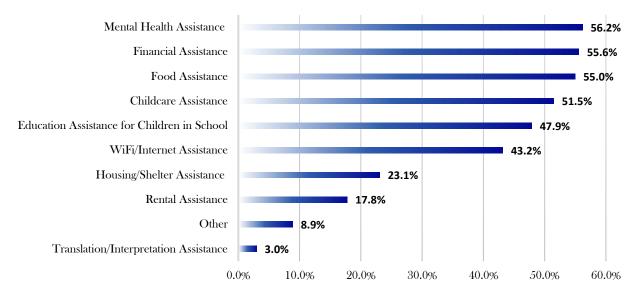
Q11) BASED ON THE PRIORITIES IDENTIFIED IN PREVIOUS COMMUNITY ASSESSMENTS, DO YOU FEEL AS THOUGH THINGS HAVE IMPROVED, STAYED THE SAME, OR WORSENED?



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



Q13) 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

<u>Top 10 Community Issues Identified via Community Stakeholder Survey (in no</u> 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
- Tennessee Department of Health
- Tennessee Commission on Children & Youth
- National Association of County and City Health Officials