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1 Introduction

Holston Valley Medical Center, an acute care hospital in Kingsport, 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 1, 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 a dedicated children’s hospital, several community hospitals and tertiary care centers, three critical access hospitals, a behavioral health hospital, an outpatient addiction treatment facility, several long-term care facilities, home care and hospice services, retail pharmacies, a broad spectrum of outpatient services, and a comprehensive medical management corporation.

Ballad’s hospitals include:

- Bristol Regional Medical Center
- Dickenson Community Hospital
- Franklin Woods Community Hospital
- Hancock County Hospital
- Hawkins County Memorial Hospital
- Holston Valley Medical Center
- Indian Path Hospital
- Johnson City Medical Center
- Johnson County Community Hospital
- Johnston Memorial Hospital
- Laughlin Memorial Hospital
- Lonesome Pine Hospital
- Mountain View Regional Hospital
- Niswonger Children’s Hospital
- Norton Community Hospital
- Russell County Medical Center
- Smyth County Community Hospital
- Sycamore Shoals Hospital
- Takoma Regional Hospital
- Unicoi County Memorial 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, the newly formed 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 its 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 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.
Ballad Health Overview

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 and ability to understand complex health conditions oftentimes go hand in hand with people’s capacity to make optimal health decisions. Nevertheless, Ballad 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 happen for generations to come.

As part of the state oversight process, Ballad 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 25 active population health index measures (plus an additional 31 measures for monitoring). The population health index creates a platform for Ballad 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 process has helped Ballad to further 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.

The population health index itself is based on the focus areas outlined in the previous community health needs assessments of both legacy systems (Mountain States and Wellmont), as well as the state health plans of both Tennessee and Virginia. Additionally, the Ballad population health index aligns with national health improvement efforts, such as Healthy People 2020. Although quite comprehensive, the index actually allows Ballad to be proactive with more-defined health improvement focus areas. Also, by encompassing the on-going work of local community and civic organizations, all vested groups can begin to work more so in unison, rather than in silos.

In order for Ballad to serve its region most effectively, it is essential to understand each community’s individual needs. As such, Ballad conducted community health needs assessments to profile the health of the residents within its service areas. Activities associated with the development of this assessment have taken place from fall of 2017 through the spring of 2018. Primary data was obtained through individual surveys and
focus groups with participants from the local communities, while secondary data was collated from national, state, regional, and county-specific sources.

Throughout this community health needs assessment process, high priority was given to determining the health disparities and available resources within each community. Community members from each county met with Ballad representatives to discuss current health priorities and identify potential solutions. The information gathered from a local perspective, paired with county, state, and national data, helps to communicate the region’s health situation in order to begin formulating solutions for improvement.

According to America’s Health Rankings, in 2018 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 health priorities for Sullivan County to include **Obesity/ Physical Activity, Smoking, Substance Abuse/Mental Health, and Maternal/ Child Health**. There are certainly a number of other health challenges in this community, but these rise to the top based on the assessment.
For reference, a complete list of the Ballad population health index measures can be found in the accompanying table. A more comprehensive view, with actual county versus state-level data, can also be found in the Methodologies section of this report.

<table>
<thead>
<tr>
<th>Ballad Health Population Health Index: Measure List</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoking Rates</td>
</tr>
<tr>
<td>Smoking Rates During Pregnancy</td>
</tr>
<tr>
<td>Youth Tobacco Use Rates</td>
</tr>
<tr>
<td>Physically Active Adults Rates</td>
</tr>
<tr>
<td>Physically Active Youth Rates</td>
</tr>
<tr>
<td>Adult Obesity Rates</td>
</tr>
<tr>
<td>Obesity Levels in Public School Students</td>
</tr>
<tr>
<td>Average mPINC Score (CDC Hospital-based survey on child/maternal health)</td>
</tr>
<tr>
<td>Breastfeeding Initiation Rates</td>
</tr>
<tr>
<td>Infants Breastfed at 6 months Rates</td>
</tr>
<tr>
<td>Neonatal Abstinence Syndrome (NAS) Births per 1,000 live births</td>
</tr>
<tr>
<td>Drug Deaths per 100,000</td>
</tr>
<tr>
<td>Morphine Milligram Equivalent for Pain</td>
</tr>
<tr>
<td>Children – On-time Vaccination Rates</td>
</tr>
<tr>
<td>Vaccination Rates – HPV Females</td>
</tr>
<tr>
<td>Vaccination Rates – HPV Males</td>
</tr>
<tr>
<td>Vaccination Rates – Flu Vaccine, Older Adults</td>
</tr>
<tr>
<td>Teen Birth Rates</td>
</tr>
<tr>
<td>Third Grade Reading Levels</td>
</tr>
<tr>
<td>Dental Sealants (ages 6-9; 13-15)</td>
</tr>
<tr>
<td>Frequent Mental Distress Rates</td>
</tr>
<tr>
<td>Infant Mortality Rates (per 1,000 live births)</td>
</tr>
<tr>
<td>Low Birthweight Rates</td>
</tr>
<tr>
<td>People with Pre-diabetes referred to a prevention program</td>
</tr>
<tr>
<td>Premature Death Rates (per 100,000)</td>
</tr>
<tr>
<td><strong>Cancer Screenings (breast, cervical, colorectal)</strong> *</td>
</tr>
<tr>
<td><strong>Diabetes Screenings</strong> *</td>
</tr>
<tr>
<td><strong>Hypertension Screenings</strong> *</td>
</tr>
</tbody>
</table>

*The screening measures in the above table are not included in the official population health index, but are included as access measures to which Ballad will also be held accountable. Because of their relatability to the population health measures, the screening measures were also considered in the community focus group discussion.*
3 Holston Valley Medical Center

i. Facility Description

Holston Valley Medical Center in Kingsport, Tennessee, is a not-for-profit hospital that has been serving the region for over 80 years. Holston Valley is one of the regions trauma centers and has been recognized as one of the nation’s best hospitals for interventional carotid care, neurological care, orthopedics, and women’s health.

Holston Valley Medical Center provides advanced facilities such as, updated intensive care units and expanded operating suites, and expanded emergency and radiology departments. Ballad Health has also announced that HVMC will be one of the new sites for a pediatric emergency department.

Holston Valley Medical Center was the first site in Tennessee to offer transcatheter aortic valve replacement (TAVR) surgery for patients who are at higher risk for open-heart surgery and is a cardiovascular research leader in research and training.
ii. Scope of Services

Holston Valley Medical Center (HVMC) has a range of specialty and subspecialty services including the following:

- Cancer Care
- Accredited breast center
- Level I trauma center and emergency department
- Orthopedics and Every Step Joint Replacement Center
- Weight-loss center and bariatric surgery
- Level III neonatal intensive care unit (NICU)
- Pediatrics
- Advanced Primary Stroke Center and neuroscience center
- Outpatient services
- Women’s health
- Radiology
- Rehabilitation and outpatient physical therapy
- Comprehensive surgical center
- Regional Center for Wound Care and Hyperbaric Medicine
- Diabetes Treatment Centers
iii. **Primary Service Area**

Holston Valley Medical Center’s Primary Service Area covers Western Sullivan County and Hawkins County in Northeast Tennessee, as well as Scott County, Lee County, and Wise County in Southwest Virginia.
4 Community Assessment Summary
   i. Market Overview

Holston Valley Medical Center, located in Kingsport, TN, primarily serves Western Sullivan and Hawkins counties in rural Northeast Tennessee and Scott, Lee, and Wise counties in rural Southwest Virginia. In 2018, Western Sullivan County has a population of 86,739 people. The population projections for Western Sullivan 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 Western Sullivan County is projected to experience the most population change over the next five years, as it moves from 22.6% of the total population in 2018 to 24.8% of the population in 2023. 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 Sullivan County is $35,100, which ranks well below the Tennessee state average of $42,300. Other demographic factors influencing health status in the county also includes education levels. A large portion of Western Sullivan County residents do not have an education past high school (47.2%). The remaining portion of the population reports having some college/associates degree (31.1%) or a bachelor’s degree of greater (21.7%).

According to the 2018 County Health Rankings, Sullivan County, where HVMC is located, is ranked 25th in Tennessee for health outcomes and 12th for health factors out of 95 counties. Sullivan County also ranked 12th in health behaviors. When compared to other Tennessee counties, Sullivan County has high rates of physical inactivity, limited access to healthy foods, and high overweight/obesity rates. As for social and economic factors, Sullivan County ranks 22nd due to high rates of high school education and lower unemployment rates; however the county does have high rates of children in poverty. A graphical representation of the 2018 County Health Rankings for Sullivan County components can be found in the appendix.
**Methodology**

a. **Community Interview Summary**

As part of the community health needs assessment process, Ballad Health conducted localized community focus groups with organization representatives such as those from local health departments, school systems, health clinics, emergency services, businesses, and philanthropic boards. The individuals in each community were selected for participation by the hospital’s CEO. These members were selected due to their involvement in the health of the community and their direct relationship to the population served.

<table>
<thead>
<tr>
<th>Focus Groups - Representatives:</th>
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<tbody>
<tr>
<td>Sullivan County EMS</td>
</tr>
<tr>
<td>Ballad Health</td>
</tr>
<tr>
<td>Kingsport YMCA</td>
</tr>
<tr>
<td>Mountain Region Family Medicine</td>
</tr>
<tr>
<td>Kingsport Police Department</td>
</tr>
<tr>
<td>City of Kingsport</td>
</tr>
<tr>
<td>United Way</td>
</tr>
<tr>
<td>Girls Inc.</td>
</tr>
<tr>
<td>Friends in Need</td>
</tr>
<tr>
<td>Downtown Kingsport Association</td>
</tr>
<tr>
<td>Sullivan County Schools</td>
</tr>
<tr>
<td>Sullivan County Anti-Drug Coalition</td>
</tr>
<tr>
<td>Kingsport City Schools</td>
</tr>
</tbody>
</table>

b. **Collecting Community Input**

Along with an introduction to the relationship between socio-economic conditions and overall health status at a national and state level, focus group participants were shown Sullivan County-specific health indicators as compared to the overall State of Tennessee rates (see full table of results in the Appendix). As part of the commitment to population health under the merger, participants were made aware of the 25 measures that make up the Ballad population health index and 3 additional measures related to access to screenings that complemented the community health discussion.

Members of the Ballad Health Strategic Planning Department then asked the community members to complete a 5-question survey relative to what health priorities should be a focus for their specific community over the next three years, what existing resources were already at work in the community, how the hospital can best support identified priorities, what pre-existing barriers are in place, and
who else might be good to include in these community-level improvement discussions.

After the survey was completed, the group as a whole discussed their thoughts related to each question to further enhance the level at which the priorities were identified. The same information and process was later presented to the hospital’s philanthropic foundation board members to further build awareness of the Ballad commitments made to population health and gain additional insight into community prioritization of specific health conditions/disparities.

### Survey Questions

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<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Which of the health priorities mentioned can this community work to improve in the short term (3 years)?</td>
</tr>
<tr>
<td>2</td>
<td>What existing resources, such as organized groups or public health initiatives, have been developed and are in place to address these health priorities?</td>
</tr>
<tr>
<td>3</td>
<td>How could resources at this hospital best support your identified priorities?</td>
</tr>
<tr>
<td>4</td>
<td>What pre-existing barriers are in place that may prevent improvement on these identified priorities?</td>
</tr>
<tr>
<td>5</td>
<td>Who else from the community should be involved in these initiatives?</td>
</tr>
</tbody>
</table>
iii. Key Priorities Identified

After interviews with the various focus groups, the Sullivan County representatives identified the following priorities as the top focus areas for their community health improvement efforts and subsequent implementation plans:

<table>
<thead>
<tr>
<th>Priority Focus Area</th>
<th>Sub-Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smoking</td>
<td>• Smoking Rates</td>
</tr>
<tr>
<td></td>
<td>• Smoking During Pregnancy</td>
</tr>
<tr>
<td>Substance Abuse/ Mental Health</td>
<td>• NAS Births</td>
</tr>
<tr>
<td></td>
<td>• Frequent Mental Distress</td>
</tr>
<tr>
<td></td>
<td>• Drug Deaths</td>
</tr>
<tr>
<td>Obesity/ Physical Activity</td>
<td>• Obesity Rates (Students &amp; Adults)</td>
</tr>
<tr>
<td>Maternal/ Child Health</td>
<td>• Third Grade Reading Level</td>
</tr>
</tbody>
</table>

As evidenced by the county-level vs. state-level data represented for each of the priority measure selected by Sullivan County focus group participants, opportunity for improvement exists to better the results 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.

By identifying these priority areas, Holston Valley Medical Center, 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 Sullivan County. Foundational to any population health improvement effort is the identification of actionable priorities and now that has been accomplished, the hospital can begin to formulate targeted implementation plans to help address the disparities plaguing parts of its population.
Priority Area Measures with County vs. State Comparisons (where available):

**Smoking**

- Smoking
  - Sullivan County: 22%
  - Tennessee: 22%

- Smoking during Pregnancy
  - Sullivan County: 24%
  - Tennessee: 14%

**Substance Abuse/ Mental Health**

- NAS Births
  - Sullivan County: 51.9
  - Tennessee: 12.8

- Frequent Mental Distress
  - Sullivan County: 14%
  - Tennessee: 14%

- Drug Deaths
  - Sullivan County: 26
  - Tennessee: 20
Obesity/ Physical Activity

**Adult Obesity**
- Sullivan County: 32%
- Tennessee: 32%

**Obesity in Public School Students**
- Sullivan County: 37%
- Tennessee: 38%

**Adult Physical Activity**
- Sullivan County: 69%
- Tennessee: 70%

Maternal/ Child Health

**Third Grade Reading Level**
- Kingsport
- Sullivan County: 37%
- Tennessee: 48%
iv. **Barriers and Gaps**

Because health is more than just a result of behaviors or individual pre-disposition to disease, Ballad 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.

Behaviors include the everyday activities that affect personal health. They include habits and practices we develop as individuals and families that have an effect on personal health and utilization of health resources. Behaviors are modifiable with effort by the individual supported by community, policy, and clinical interventions.

However, equally important to health behaviors are community and environment factors, health policy, and access to clinical care. Community and environment reflects the reality and daily conditions in which people live. Health policies are indicative of the availability of resources to encourage and maintain health and the extent to which public health programs reach into the general population. Access to clinical care reflects the accessibility, quality, appropriateness, and cost of care received at doctors’ offices, clinics, and hospitals. All four areas of health determinants are intertwined and must work together to be optimally effective in improving health status.

To help understand social determinants of health for the community, participants in the Holston Valley Medical Center focus groups also identified barriers and gaps that may impact progress in improving the key priority measures. The identified barriers and gaps for Sullivan County include:

- Breastfeeding Access in the Workplace
- Mental Health Case Management at Discharge
- Education for Parents
- Follow-up Dental Care
- Gap in post diagnosis for Mental Health
- Culture
- Grandparents Raising Children
- Socioeconomic Disparities
- Food Insecurities
v. Community and Hospital Resources

To help improve the identified health priorities for Sullivan County, focus group participants were also asked to help identify current programs/organizations/individuals 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 can partner with is key. There are many resources currently in existence in Sullivan County through both the hospital and local organizations. The resources identified in the focus groups are as follow:

- United Way
- Girls Inc.
- Health Department Programs
  - Baby and Me Program
  - HUGS
- Sullivan County Family Justice Center
- Providence Clinic
- Shades of Grace
- Frontier Health
  - RIP Program
- SCAD Rapid Overdose Response Team
- Celebrate Recovery
- Holy Friendship Collaborative
- Mental Health First Aid Training
- 211
- LeLeche League
- EMS Medics Specialty Care
- OASIS Center
- DOSE- Driven On Scene Education
- FeedKingsport.org
- Community Resource Guide
- KATS Transportation
- DIAL a Ride
- Text for Baby
- Family Nurse Partnership

In addition to preexisting resources in the community, the focus group participants also discussed possibilities for how the hospital can continue or enhance programs/services to provide local resources to support the identified priorities. To enhance existing resources, the participants stressed the significance of increasing public awareness of both addressing one’s health needs and the availability of health care options within each community. Additional suggestions as to how Ballad and Holston Valley Medical Center can improve the previously identified health priorities are listed below:

- Education
  - Resources
  - Breastfeeding
- ACES/ Trauma Informed Care Training
- Social Media Campaigns
- Mobile Vaccines
- Navigation System
- Mental Health Outpatient Services
- Parish Nursing
- Culture
- Certified Peer Recovery Specialists
- Parenting Classes
- LARC Education at MAT Clinics
- Injury Prevention Coordinator
- Partnership with Families Thrive
To further address health priorities within the community related to social determinants of health, programmatic opportunities were also discussed to assist with areas such as built environment (i.e. playgrounds, creation of safe sidewalks, bike sharing/bike paths, etc...), improved literacy rates and understanding of overall health, and healthy food availability (i.e. community gardens, farmers markets, etc...).

vi. 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 Holston Valley Medical Center is located in a region with many chronic disease and substance abuse 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 Sullivan County.
5 Appendix

i. Population Profile

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

<table>
<thead>
<tr>
<th>Population and Gender</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female Population</td>
<td>45,326</td>
<td>52.3%</td>
<td>45,953</td>
<td>52.2%</td>
<td>1.4%</td>
<td>50.8%</td>
</tr>
<tr>
<td>Male Population</td>
<td>41,413</td>
<td>47.7%</td>
<td>42,092</td>
<td>47.8%</td>
<td>1.6%</td>
<td>49.2%</td>
</tr>
<tr>
<td>Total</td>
<td>86,739</td>
<td>100.0%</td>
<td>88,045</td>
<td>100.0%</td>
<td>1.5%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age Groups</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>00-17</td>
<td>17,153</td>
<td>19.8%</td>
<td>16,807</td>
<td>19.1%</td>
<td>(2.0)%</td>
<td>22.6%</td>
</tr>
<tr>
<td>18-44</td>
<td>25,742</td>
<td>29.7%</td>
<td>25,976</td>
<td>29.5%</td>
<td>0.9%</td>
<td>35.8%</td>
</tr>
<tr>
<td>45-64</td>
<td>24,248</td>
<td>28.0%</td>
<td>23,394</td>
<td>26.6%</td>
<td>(3.5)%</td>
<td>25.8%</td>
</tr>
<tr>
<td>65-UP</td>
<td>19,596</td>
<td>22.6%</td>
<td>21,868</td>
<td>24.8%</td>
<td>11.6%</td>
<td>15.9%</td>
</tr>
<tr>
<td>Total</td>
<td>86,739</td>
<td>100.0%</td>
<td>88,045</td>
<td>100.0%</td>
<td>1.5%</td>
<td>100.0%</td>
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<table>
<thead>
<tr>
<th>Ethnicity/Race</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian &amp; Pacific Is. Non-Hispanic</td>
<td>903</td>
<td>1.0%</td>
<td>1,094</td>
<td>1.2%</td>
<td>21.2%</td>
<td>5.8%</td>
</tr>
<tr>
<td>Black Non-Hispanic</td>
<td>2,496</td>
<td>2.9%</td>
<td>2,759</td>
<td>3.1%</td>
<td>10.5%</td>
<td>12.4%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>1,977</td>
<td>2.3%</td>
<td>2,334</td>
<td>2.7%</td>
<td>18.1%</td>
<td>18.3%</td>
</tr>
<tr>
<td>White Non-Hispanic</td>
<td>79,634</td>
<td>91.8%</td>
<td>79,907</td>
<td>90.8%</td>
<td>0.3%</td>
<td>60.4%</td>
</tr>
<tr>
<td>All Others</td>
<td>1,729</td>
<td>2.0%</td>
<td>1,951</td>
<td>2.2%</td>
<td>12.8%</td>
<td>3.2%</td>
</tr>
<tr>
<td>Total</td>
<td>86,739</td>
<td>100.0%</td>
<td>88,045</td>
<td>100.0%</td>
<td>1.5%</td>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Germanic Lang at Home</td>
<td>149</td>
<td>0.2%</td>
<td>148</td>
<td>0.2%</td>
<td>(0.7)%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Only English at Home</td>
<td>79,838</td>
<td>97.1%</td>
<td>81,121</td>
<td>97.1%</td>
<td>1.6%</td>
<td>78.6%</td>
</tr>
<tr>
<td>Other Indo-European Lang at Home</td>
<td>319</td>
<td>0.4%</td>
<td>319</td>
<td>0.4%</td>
<td>0.0%</td>
<td>1.8%</td>
</tr>
<tr>
<td>Other Lang at Home</td>
<td>136</td>
<td>0.2%</td>
<td>138</td>
<td>0.2%</td>
<td>1.5%</td>
<td>1.0%</td>
</tr>
<tr>
<td>Spanish at Home</td>
<td>1,413</td>
<td>1.7%</td>
<td>1,427</td>
<td>1.7%</td>
<td>1.0%</td>
<td>13.3%</td>
</tr>
<tr>
<td>All Others</td>
<td>401</td>
<td>0.5%</td>
<td>401</td>
<td>0.5%</td>
<td>0.0%</td>
<td>4.8%</td>
</tr>
<tr>
<td>Total</td>
<td>82,256</td>
<td>100.0%</td>
<td>83,554</td>
<td>100.0%</td>
<td>1.6%</td>
<td>100.0%</td>
</tr>
<tr>
<td>Household Income</td>
<td>Market 2018 Households</td>
<td>Market 2018 % of Total</td>
<td>Market 2023 Households</td>
<td>Market 2023 % of Total</td>
<td>Market Households % Change</td>
<td>National 2018 % of Total</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>---------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>&lt;$15K</td>
<td>5,145</td>
<td>13.7%</td>
<td>4,845</td>
<td>12.7%</td>
<td>(5.8)%</td>
<td>10.2%</td>
</tr>
<tr>
<td>$15-25K</td>
<td>5,063</td>
<td>13.5%</td>
<td>4,662</td>
<td>12.2%</td>
<td>(7.9)%</td>
<td>9.3%</td>
</tr>
<tr>
<td>$25-50K</td>
<td>10,198</td>
<td>27.2%</td>
<td>10,195</td>
<td>26.7%</td>
<td>(0.0)%</td>
<td>23.5%</td>
</tr>
<tr>
<td>$50-75K</td>
<td>6,816</td>
<td>18.2%</td>
<td>6,719</td>
<td>17.6%</td>
<td>(1.4)%</td>
<td>16.5%</td>
</tr>
<tr>
<td>$75-100K</td>
<td>3,530</td>
<td>9.4%</td>
<td>3,860</td>
<td>10.1%</td>
<td>9.4%</td>
<td>10.5%</td>
</tr>
<tr>
<td>$100K-200K</td>
<td>4,977</td>
<td>13.3%</td>
<td>5,690</td>
<td>14.9%</td>
<td>14.3%</td>
<td>19.3%</td>
</tr>
<tr>
<td>&gt;$200K</td>
<td>1,734</td>
<td>4.6%</td>
<td>2,152</td>
<td>5.6%</td>
<td>24.1%</td>
<td>10.7%</td>
</tr>
<tr>
<td>Total</td>
<td>37,463</td>
<td>100.0%</td>
<td>38,123</td>
<td>100.0%</td>
<td>1.8%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Education Level**</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than High School</td>
<td>3,301</td>
<td>5.3%</td>
<td>3,394</td>
<td>5.3%</td>
<td>2.8%</td>
<td>5.6%</td>
</tr>
<tr>
<td>Some High School</td>
<td>4,195</td>
<td>6.7%</td>
<td>4,326</td>
<td>6.7%</td>
<td>3.1%</td>
<td>7.4%</td>
</tr>
<tr>
<td>High School Degree</td>
<td>22,177</td>
<td>35.3%</td>
<td>22,763</td>
<td>35.4%</td>
<td>2.6%</td>
<td>27.6%</td>
</tr>
<tr>
<td>Some College/Assoc. Degree</td>
<td>19,549</td>
<td>31.1%</td>
<td>19,956</td>
<td>31.0%</td>
<td>2.1%</td>
<td>31.0%</td>
</tr>
<tr>
<td>Bachelor’s Degree or Greater</td>
<td>13,645</td>
<td>21.7%</td>
<td>13,858</td>
<td>21.6%</td>
<td>1.6%</td>
<td>28.4%</td>
</tr>
<tr>
<td>Total</td>
<td>62,867</td>
<td>100.0%</td>
<td>64,297</td>
<td>100.0%</td>
<td>2.3%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

*Excludes population age <5, **Excludes population age <25
The table below highlights key demographic statistics for Hawkins County, TN:

<table>
<thead>
<tr>
<th>Mountain State Health Alliance</th>
<th>Hawkins, TN</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Population and Gender</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Market 2018 Population</strong></td>
<td>Market 2018 % of Total</td>
</tr>
<tr>
<td><strong>Female Population</strong></td>
<td>27,593</td>
</tr>
<tr>
<td><strong>Male Population</strong></td>
<td>26,847</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>54,440</td>
</tr>
</tbody>
</table>

| **Age Groups**                |             |
| **Market 2018 Population**    | Market 2018 % of Total | Market 2023 Population | Market 2023 % of Total | Market Population % Change | National 2018 % of Total |
| **00-17**                     | 10,658      | 19.6%          | 10,093      | 18.3%          | (5.3)%                    | 22.6%            |
| **18-44**                     | 16,454      | 30.2%          | 16,534      | 30.0%          | 0.5%                      | 35.8%            |
| **45-64**                     | 15,855      | 29.1%          | 15,363      | 27.9%          | (3.1)%                    | 25.8%            |
| **65-UP**                     | 11,473      | 21.1%          | 13,088      | 23.8%          | 14.1%                     | 15.9%            |
| **Total**                     | 54,440      | 100.0%         | 55,078      | 100.0%         | 1.2%                      | 100.0%           |

| **Ethnicity/Race**            |             |
| **Market 2018 Population**    | Market 2018 % of Total | Market 2023 Population | Market 2023 % of Total | Market Population % Change | National 2018 % of Total |
| **Asian & Pacific Is. Non-Hispanic** | 216        | 0.4%          | 210         | 0.4%          | (2.8)%                    | 5.8%            |
| **Black Non-Hispanic**        | 758         | 1.4%          | 857         | 1.6%          | 13.1%                     | 12.4%            |
| **Hispanic**                  | 865         | 1.6%          | 1,027       | 1.9%          | 18.7%                     | 18.3%            |
| **White Non-Hispanic**        | 51,819      | 95.2%         | 52,097      | 94.6%         | 0.5%                      | 60.4%            |
| **All Others**                | 782         | 1.4%          | 887         | 1.6%          | 13.4%                     | 3.2%             |
| **Total**                     | 54,440      | 100.0%        | 55,078      | 100.0%        | 1.2%                      | 100.0%           |

| **Language**                  |             |
| **Market 2018 Population**    | Market 2018 % of Total | Market 2023 Population | Market 2023 % of Total | Market Population % Change | National 2018 % of Total |
| **Chinese at Home**           | 70          | 0.1%          | 71          | 0.1%          | 1.4%                      | 1.1%             |
| **Only English at Home**      | 51,035      | 98.4%         | 51,683      | 98.4%         | 1.3%                      | 78.6%            |
| **Slavic Lang at Home**       | 61          | 0.1%          | 61          | 0.1%          | 0.0%                      | 0.7%             |
| **Spanish at Home**           | 512         | 1.0%          | 512         | 1.0%          | 0.0%                      | 13.3%            |
| **Tagalog at Home**           | 53          | 0.1%          | 51          | 0.1%          | (3.8)%                    | 0.6%             |
| **All Others**                | 122         | 0.2%          | 123         | 0.2%          | 0.8%                      | 5.8%             |
| **Total**                     | 51,853      | 100.0%        | 52,501      | 100.0%        | 1.3%                      | 100.0%           |
## Household Income

<table>
<thead>
<tr>
<th>Household Income</th>
<th>Market 2018 Households</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Households</th>
<th>Market 2023 % of Total</th>
<th>Market Households % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;$15K</td>
<td>3,778</td>
<td>16.9%</td>
<td>3,684</td>
<td>16.3%</td>
<td>(2.5)%</td>
<td>10.2%</td>
</tr>
<tr>
<td>$15-25K</td>
<td>3,208</td>
<td>14.4%</td>
<td>3,128</td>
<td>13.8%</td>
<td>(2.5)%</td>
<td>9.3%</td>
</tr>
<tr>
<td>$25-50K</td>
<td>6,460</td>
<td>28.9%</td>
<td>6,480</td>
<td>28.6%</td>
<td>0.3%</td>
<td>23.5%</td>
</tr>
<tr>
<td>$50-75K</td>
<td>4,019</td>
<td>18.0%</td>
<td>4,041</td>
<td>17.9%</td>
<td>0.6%</td>
<td>16.5%</td>
</tr>
<tr>
<td>$75-100K</td>
<td>2,210</td>
<td>9.9%</td>
<td>2,292</td>
<td>10.1%</td>
<td>3.7%</td>
<td>10.5%</td>
</tr>
<tr>
<td>$100K-200K</td>
<td>2,323</td>
<td>10.4%</td>
<td>2,583</td>
<td>11.4%</td>
<td>11.2%</td>
<td>19.3%</td>
</tr>
<tr>
<td>&gt;$200K</td>
<td>351</td>
<td>1.6%</td>
<td>423</td>
<td>1.9%</td>
<td>20.5%</td>
<td>10.7%</td>
</tr>
<tr>
<td>Total</td>
<td>22,349</td>
<td>100.0%</td>
<td>22,631</td>
<td>100.0%</td>
<td>1.3%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

## Education Level

<table>
<thead>
<tr>
<th>Education Level**</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than High School</td>
<td>3,497</td>
<td>8.9%</td>
<td>3,601</td>
<td>8.9%</td>
<td>3.0%</td>
<td>5.6%</td>
</tr>
<tr>
<td>Some High School</td>
<td>4,050</td>
<td>10.3%</td>
<td>4,173</td>
<td>10.3%</td>
<td>3.0%</td>
<td>7.4%</td>
</tr>
<tr>
<td>High School Degree</td>
<td>17,769</td>
<td>45.1%</td>
<td>18,264</td>
<td>45.2%</td>
<td>2.8%</td>
<td>27.6%</td>
</tr>
<tr>
<td>Some College/Assoc. Degree</td>
<td>9,670</td>
<td>24.6%</td>
<td>9,901</td>
<td>24.5%</td>
<td>2.4%</td>
<td>31.0%</td>
</tr>
<tr>
<td>Bachelor's Degree or Greater</td>
<td>4,397</td>
<td>11.2%</td>
<td>4,477</td>
<td>11.1%</td>
<td>1.8%</td>
<td>28.4%</td>
</tr>
<tr>
<td>Total</td>
<td>39,383</td>
<td>100.0%</td>
<td>40,416</td>
<td>100.0%</td>
<td>2.6%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

*Excludes population age <5, **Excludes population age <25
The table below highlights key demographic statistics for Scott County, VA:

<table>
<thead>
<tr>
<th>Population and Gender</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female Population</td>
<td>10,813</td>
<td>49.6%</td>
<td>10,666</td>
<td>49.6%</td>
<td>(1.4)%</td>
<td>50.8%</td>
</tr>
<tr>
<td>Male Population</td>
<td>10,970</td>
<td>50.4%</td>
<td>10,830</td>
<td>50.4%</td>
<td>(1.3)%</td>
<td>49.2%</td>
</tr>
<tr>
<td>Total</td>
<td>21,783</td>
<td>100.0%</td>
<td>21,496</td>
<td>100.0%</td>
<td>(1.3)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age Groups</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>00-17</td>
<td>3,962</td>
<td>18.2%</td>
<td>3,735</td>
<td>17.4%</td>
<td>(5.7)%</td>
<td>22.6%</td>
</tr>
<tr>
<td>18-44</td>
<td>6,463</td>
<td>29.7%</td>
<td>6,289</td>
<td>29.3%</td>
<td>(2.7)%</td>
<td>35.8%</td>
</tr>
<tr>
<td>45-64</td>
<td>6,266</td>
<td>28.8%</td>
<td>5,893</td>
<td>27.4%</td>
<td>(6.0)%</td>
<td>25.8%</td>
</tr>
<tr>
<td>65-UP</td>
<td>5,092</td>
<td>23.4%</td>
<td>5,579</td>
<td>26.0%</td>
<td>9.6%</td>
<td>15.9%</td>
</tr>
<tr>
<td>Total</td>
<td>21,783</td>
<td>100.0%</td>
<td>21,496</td>
<td>100.0%</td>
<td>(1.3)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ethnicity/Race</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian &amp; Pacific Is. Non-Hispanic</td>
<td>41</td>
<td>0.2%</td>
<td>45</td>
<td>0.2%</td>
<td>9.8%</td>
<td>5.8%</td>
</tr>
<tr>
<td>Black Non-Hispanic</td>
<td>211</td>
<td>1.0%</td>
<td>260</td>
<td>1.2%</td>
<td>23.2%</td>
<td>12.4%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>300</td>
<td>1.4%</td>
<td>348</td>
<td>1.6%</td>
<td>16.0%</td>
<td>18.3%</td>
</tr>
<tr>
<td>White Non-Hispanic</td>
<td>20,997</td>
<td>96.4%</td>
<td>20,579</td>
<td>95.7%</td>
<td>(2.0)%</td>
<td>60.4%</td>
</tr>
<tr>
<td>All Others</td>
<td>234</td>
<td>1.1%</td>
<td>264</td>
<td>1.2%</td>
<td>12.8%</td>
<td>3.2%</td>
</tr>
<tr>
<td>Total</td>
<td>21,783</td>
<td>100.0%</td>
<td>21,496</td>
<td>100.0%</td>
<td>(1.3)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese at Home</td>
<td>26</td>
<td>0.1%</td>
<td>27</td>
<td>0.1%</td>
<td>(3.6)%</td>
<td>1.1%</td>
</tr>
<tr>
<td>Germanic Lang at Home</td>
<td>21</td>
<td>0.1%</td>
<td>22</td>
<td>0.1%</td>
<td>4.8%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Only English at Home</td>
<td>20,549</td>
<td>98.9%</td>
<td>20,294</td>
<td>98.9%</td>
<td>(1.2)%</td>
<td>78.6%</td>
</tr>
<tr>
<td>Other Indo-European Lang at Home</td>
<td>36</td>
<td>0.2%</td>
<td>36</td>
<td>0.2%</td>
<td>0.0%</td>
<td>1.8%</td>
</tr>
<tr>
<td>Spanish at Home</td>
<td>134</td>
<td>0.6%</td>
<td>127</td>
<td>0.6%</td>
<td>(5.2)%</td>
<td>13.3%</td>
</tr>
<tr>
<td>All Others</td>
<td>21</td>
<td>0.1%</td>
<td>17</td>
<td>0.1%</td>
<td>(19.1)%</td>
<td>4.7%</td>
</tr>
<tr>
<td>Total</td>
<td>20,789</td>
<td>100.0%</td>
<td>20,523</td>
<td>100.0%</td>
<td>(1.3)%</td>
<td>100.0%</td>
</tr>
<tr>
<td>Household Income</td>
<td>Market 2018 Households</td>
<td>Market 2018 % of Total</td>
<td>Market 2023 Households</td>
<td>Market 2023 % of Total</td>
<td>Market Households % Change</td>
<td>National 2018 % of Total</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>----------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>&lt;$15K</td>
<td>1,566</td>
<td>17.0%</td>
<td>1,439</td>
<td>15.7%</td>
<td>(8.1)%</td>
<td>10.2%</td>
</tr>
<tr>
<td>$15-25K</td>
<td>1,452</td>
<td>15.7%</td>
<td>1,357</td>
<td>14.8%</td>
<td>(6.5)%</td>
<td>9.3%</td>
</tr>
<tr>
<td>$25-50K</td>
<td>2,406</td>
<td>26.1%</td>
<td>2,303</td>
<td>25.2%</td>
<td>(4.3)%</td>
<td>23.5%</td>
</tr>
<tr>
<td>$50-75K</td>
<td>1,468</td>
<td>15.9%</td>
<td>1,496</td>
<td>16.4%</td>
<td>1.9%</td>
<td>16.5%</td>
</tr>
<tr>
<td>$75-100K</td>
<td>956</td>
<td>10.4%</td>
<td>960</td>
<td>10.5%</td>
<td>0.4%</td>
<td>10.5%</td>
</tr>
<tr>
<td>$100K-200K</td>
<td>1,122</td>
<td>12.2%</td>
<td>1,279</td>
<td>14.0%</td>
<td>14.0%</td>
<td>19.3%</td>
</tr>
<tr>
<td>&gt;$200K</td>
<td>261</td>
<td>2.8%</td>
<td>311</td>
<td>3.4%</td>
<td>19.2%</td>
<td>10.7%</td>
</tr>
<tr>
<td>Total</td>
<td>9,231</td>
<td>100.0%</td>
<td>9,145</td>
<td>100.0%</td>
<td>(0.9)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Education Level**</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than High School</td>
<td>1,888</td>
<td>11.6%</td>
<td>1,877</td>
<td>11.7%</td>
<td>(0.6)%</td>
<td>5.6%</td>
</tr>
<tr>
<td>Some High School</td>
<td>1,810</td>
<td>11.2%</td>
<td>1,811</td>
<td>11.3%</td>
<td>0.1%</td>
<td>7.4%</td>
</tr>
<tr>
<td>High School Degree</td>
<td>5,904</td>
<td>36.4%</td>
<td>5,868</td>
<td>36.5%</td>
<td>(0.6)%</td>
<td>27.6%</td>
</tr>
<tr>
<td>Some College/Assoc. Degree</td>
<td>4,853</td>
<td>29.9%</td>
<td>4,799</td>
<td>29.8%</td>
<td>(1.1)%</td>
<td>31.0%</td>
</tr>
<tr>
<td>Bachelor's Degree or Greater</td>
<td>1,769</td>
<td>10.9%</td>
<td>1,734</td>
<td>10.8%</td>
<td>(2.0)%</td>
<td>28.4%</td>
</tr>
<tr>
<td>Total</td>
<td>16,224</td>
<td>100.0%</td>
<td>16,089</td>
<td>100.0%</td>
<td>(0.8)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

*Excludes population age <5, **Excludes population age <25
The table below highlights key demographic statistics for Wise County, VA:

<table>
<thead>
<tr>
<th>Mountain State Health Alliance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wise, VA</td>
</tr>
</tbody>
</table>

### Population and Gender

<table>
<thead>
<tr>
<th></th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>% Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female Population</td>
<td>22,270</td>
<td>48.3%</td>
<td>21,901</td>
<td>48.4%</td>
<td>(1.7)%</td>
<td>50.8%</td>
</tr>
<tr>
<td>Male Population</td>
<td>23,795</td>
<td>51.7%</td>
<td>23,329</td>
<td>51.6%</td>
<td>(2.0)%</td>
<td>49.2%</td>
</tr>
<tr>
<td>Total</td>
<td>46,065</td>
<td>100.0%</td>
<td>45,230</td>
<td>100.0%</td>
<td>(1.8)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

### Age Groups

<table>
<thead>
<tr>
<th>Age Groups</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>% Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>00-17</td>
<td>9,239</td>
<td>20.1%</td>
<td>8,930</td>
<td>19.7%</td>
<td>(3.3)%</td>
<td>22.6%</td>
</tr>
<tr>
<td>18-44</td>
<td>16,319</td>
<td>35.4%</td>
<td>15,653</td>
<td>34.6%</td>
<td>(4.1)%</td>
<td>35.8%</td>
</tr>
<tr>
<td>45-64</td>
<td>12,443</td>
<td>27.0%</td>
<td>11,652</td>
<td>25.8%</td>
<td>(4.1)%</td>
<td>25.8%</td>
</tr>
<tr>
<td>65-UP</td>
<td>8,064</td>
<td>17.5%</td>
<td>8,995</td>
<td>19.9%</td>
<td>11.6%</td>
<td>15.9%</td>
</tr>
<tr>
<td>Total</td>
<td>46,065</td>
<td>100.0%</td>
<td>45,230</td>
<td>100.0%</td>
<td>(1.8)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

### Ethnicity/Race

<table>
<thead>
<tr>
<th>Ethnicity/Race</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>% Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian &amp; Pacific Is. Non-Hispanic</td>
<td>251</td>
<td>0.5%</td>
<td>282</td>
<td>0.6%</td>
<td>12.4%</td>
<td>5.8%</td>
</tr>
<tr>
<td>Black Non-Hispanic</td>
<td>2,564</td>
<td>5.6%</td>
<td>2,731</td>
<td>6.0%</td>
<td>6.5%</td>
<td>12.4%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>731</td>
<td>1.6%</td>
<td>838</td>
<td>1.9%</td>
<td>14.6%</td>
<td>18.3%</td>
</tr>
<tr>
<td>White Non-Hispanic</td>
<td>41,879</td>
<td>90.9%</td>
<td>40,676</td>
<td>89.9%</td>
<td>(2.9)%</td>
<td>60.4%</td>
</tr>
<tr>
<td>All Others</td>
<td>640</td>
<td>1.4%</td>
<td>703</td>
<td>1.6%</td>
<td>9.8%</td>
<td>3.2%</td>
</tr>
<tr>
<td>Total</td>
<td>46,065</td>
<td>100.0%</td>
<td>45,230</td>
<td>100.0%</td>
<td>(1.8)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

### Language*

<table>
<thead>
<tr>
<th>Language*</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>% Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>French at Home</td>
<td>162</td>
<td>0.4%</td>
<td>158</td>
<td>0.4%</td>
<td>(2.5)%</td>
<td>0.7%</td>
</tr>
<tr>
<td>Germanic Lang at Home</td>
<td>113</td>
<td>0.3%</td>
<td>114</td>
<td>0.3%</td>
<td>(2.5)%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Only English at Home</td>
<td>42,312</td>
<td>97.2%</td>
<td>41,617</td>
<td>97.2%</td>
<td>(1.6)%</td>
<td>78.6%</td>
</tr>
<tr>
<td>Spanish at Home</td>
<td>523</td>
<td>1.2%</td>
<td>504</td>
<td>1.2%</td>
<td>(3.6)%</td>
<td>13.3%</td>
</tr>
<tr>
<td>Tagalog at Home</td>
<td>177</td>
<td>0.4%</td>
<td>173</td>
<td>0.4%</td>
<td>(2.3)%</td>
<td>0.6%</td>
</tr>
<tr>
<td>All Others</td>
<td>263</td>
<td>0.6%</td>
<td>250</td>
<td>0.6%</td>
<td>(4.9)%</td>
<td>6.3%</td>
</tr>
<tr>
<td>Total</td>
<td>43,550</td>
<td>100.0%</td>
<td>42,816</td>
<td>100.0%</td>
<td>(1.7)%</td>
<td>100.0%</td>
</tr>
<tr>
<td>Household Income</td>
<td>Market 2018 Households</td>
<td>Market 2018 % of Total</td>
<td>Market 2023 Households</td>
<td>Market 2023 % of Total</td>
<td>Market Households % Change</td>
<td>National 2018 % of Total</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>---------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>&lt;$15K</td>
<td>3,563</td>
<td>19.6%</td>
<td>3,512</td>
<td>19.6%</td>
<td>(1.4)%</td>
<td>10.2%</td>
</tr>
<tr>
<td>$15-25K</td>
<td>2,839</td>
<td>15.6%</td>
<td>2,790</td>
<td>15.6%</td>
<td>(1.7)%</td>
<td>9.3%</td>
</tr>
<tr>
<td>$25-50K</td>
<td>4,677</td>
<td>25.7%</td>
<td>4,630</td>
<td>25.8%</td>
<td>(1.0)%</td>
<td>23.5%</td>
</tr>
<tr>
<td>$50-75K</td>
<td>3,213</td>
<td>17.7%</td>
<td>3,135</td>
<td>17.5%</td>
<td>(2.4)%</td>
<td>16.5%</td>
</tr>
<tr>
<td>$75-100K</td>
<td>1,704</td>
<td>9.4%</td>
<td>1,690</td>
<td>9.4%</td>
<td>(0.8)%</td>
<td>10.5%</td>
</tr>
<tr>
<td>$100K-200K</td>
<td>1,718</td>
<td>9.4%</td>
<td>1,709</td>
<td>9.5%</td>
<td>(0.5)%</td>
<td>19.3%</td>
</tr>
<tr>
<td>&gt;$200K</td>
<td>476</td>
<td>2.6%</td>
<td>478</td>
<td>2.7%</td>
<td>0.4%</td>
<td>10.7%</td>
</tr>
<tr>
<td>Total</td>
<td>18,190</td>
<td>100.0%</td>
<td>17,944</td>
<td>100.0%</td>
<td>(1.4)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Education Level**</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than High School</td>
<td>3,493</td>
<td>10.8%</td>
<td>3,463</td>
<td>10.8%</td>
<td>(0.9)%</td>
<td>5.6%</td>
</tr>
<tr>
<td>Some High School</td>
<td>4,551</td>
<td>14.0%</td>
<td>4,507</td>
<td>14.1%</td>
<td>(1.0)%</td>
<td>7.4%</td>
</tr>
<tr>
<td>High School Degree</td>
<td>10,308</td>
<td>31.7%</td>
<td>10,168</td>
<td>31.7%</td>
<td>(1.4)%</td>
<td>27.6%</td>
</tr>
<tr>
<td>Some College/Assoc. Degree</td>
<td>9,747</td>
<td>30.0%</td>
<td>9,613</td>
<td>30.0%</td>
<td>(1.4)%</td>
<td>31.0%</td>
</tr>
<tr>
<td>Bachelor’s Degree or Greater</td>
<td>4,379</td>
<td>13.5%</td>
<td>4,281</td>
<td>13.4%</td>
<td>(2.2)%</td>
<td>28.4%</td>
</tr>
<tr>
<td>Total</td>
<td>32,478</td>
<td>100.0%</td>
<td>32,032</td>
<td>100.0%</td>
<td>(1.4)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

*Excludes population age <5, **Excludes population age <25
The table below highlights key demographic statistics for Wise County, VA:

<table>
<thead>
<tr>
<th>Population and Gender</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Female Population</td>
<td>10,600</td>
<td>47.4%</td>
<td>10,391</td>
<td>47.4%</td>
<td>(2.0)%</td>
<td>50.8%</td>
</tr>
<tr>
<td>Male Population</td>
<td>11,746</td>
<td>52.6%</td>
<td>11,517</td>
<td>52.6%</td>
<td>(2.0)%</td>
<td>49.2%</td>
</tr>
<tr>
<td>Total</td>
<td>22,346</td>
<td>100.0%</td>
<td>21,908</td>
<td>100.0%</td>
<td>(2.0)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Age Groups</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>00-17</td>
<td>4,115</td>
<td>18.4%</td>
<td>3,943</td>
<td>18.0%</td>
<td>(4.2)%</td>
<td>22.6%</td>
</tr>
<tr>
<td>18-44</td>
<td>7,486</td>
<td>33.5%</td>
<td>7,162</td>
<td>32.7%</td>
<td>(4.3)%</td>
<td>35.8%</td>
</tr>
<tr>
<td>45-64</td>
<td>6,165</td>
<td>27.6%</td>
<td>5,803</td>
<td>26.5%</td>
<td>(5.9)%</td>
<td>25.8%</td>
</tr>
<tr>
<td>65-UP</td>
<td>4,580</td>
<td>20.5%</td>
<td>5,000</td>
<td>22.8%</td>
<td>9.2%</td>
<td>15.9%</td>
</tr>
<tr>
<td>Total</td>
<td>22,346</td>
<td>100.0%</td>
<td>21,908</td>
<td>100.0%</td>
<td>(2.0)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ethnicity/Race</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asian &amp; Pacific Is. Non-Hispanic</td>
<td>75</td>
<td>0.3%</td>
<td>87</td>
<td>0.4%</td>
<td>16.0%</td>
<td>5.8%</td>
</tr>
<tr>
<td>Black Non-Hispanic</td>
<td>1,018</td>
<td>4.6%</td>
<td>1,105</td>
<td>5.0%</td>
<td>8.6%</td>
<td>12.4%</td>
</tr>
<tr>
<td>Hispanic</td>
<td>495</td>
<td>2.2%</td>
<td>566</td>
<td>2.6%</td>
<td>14.3%</td>
<td>18.3%</td>
</tr>
<tr>
<td>White Non-Hispanic</td>
<td>20,441</td>
<td>91.5%</td>
<td>19,814</td>
<td>90.4%</td>
<td>(3.1)%</td>
<td>60.4%</td>
</tr>
<tr>
<td>All Others</td>
<td>317</td>
<td>1.4%</td>
<td>336</td>
<td>1.5%</td>
<td>6.0%</td>
<td>3.2%</td>
</tr>
<tr>
<td>Total</td>
<td>22,346</td>
<td>100.0%</td>
<td>21,908</td>
<td>100.0%</td>
<td>(2.0)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Language</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>French at Home</td>
<td>59</td>
<td>0.3%</td>
<td>58</td>
<td>0.3%</td>
<td>(1.7)%</td>
<td>0.7%</td>
</tr>
<tr>
<td>Germanic Lang at Home</td>
<td>188</td>
<td>0.9%</td>
<td>184</td>
<td>0.9%</td>
<td>(2.1)%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Only English at Home</td>
<td>20,568</td>
<td>96.8%</td>
<td>20,194</td>
<td>96.8%</td>
<td>(1.8)%</td>
<td>78.6%</td>
</tr>
<tr>
<td>Other Lang at Home</td>
<td>81</td>
<td>0.4%</td>
<td>77</td>
<td>0.4%</td>
<td>(4.9)%</td>
<td>1.0%</td>
</tr>
<tr>
<td>Spanish at Home</td>
<td>314</td>
<td>1.5%</td>
<td>303</td>
<td>1.5%</td>
<td>(3.5)%</td>
<td>13.3%</td>
</tr>
<tr>
<td>All Others</td>
<td>47</td>
<td>0.2%</td>
<td>49</td>
<td>0.2%</td>
<td>4.3%</td>
<td>5.9%</td>
</tr>
<tr>
<td>Total</td>
<td>21,257</td>
<td>100.0%</td>
<td>20,865</td>
<td>100.0%</td>
<td>(1.8)%</td>
<td>100.0%</td>
</tr>
<tr>
<td>Household Income</td>
<td>Market 2018 Households</td>
<td>Market 2018 % of Total</td>
<td>Market 2023 Households</td>
<td>Market 2023 % of Total</td>
<td>Market Households % Change</td>
<td>National 2018 % of Total</td>
</tr>
<tr>
<td>------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>--------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>&lt;$15K</td>
<td>1,858</td>
<td>20.8%</td>
<td>1,743</td>
<td>19.8%</td>
<td>(6.2)%</td>
<td>10.2%</td>
</tr>
<tr>
<td>$15-25K</td>
<td>1,536</td>
<td>17.2%</td>
<td>1,455</td>
<td>16.5%</td>
<td>(5.3)%</td>
<td>9.3%</td>
</tr>
<tr>
<td>$25-50K</td>
<td>2,506</td>
<td>28.1%</td>
<td>2,437</td>
<td>27.7%</td>
<td>(2.8)%</td>
<td>23.5%</td>
</tr>
<tr>
<td>$50-75K</td>
<td>1,440</td>
<td>16.1%</td>
<td>1,458</td>
<td>16.5%</td>
<td>1.3%</td>
<td>16.5%</td>
</tr>
<tr>
<td>$75-100K</td>
<td>842</td>
<td>9.4%</td>
<td>842</td>
<td>9.6%</td>
<td>0.0%</td>
<td>10.5%</td>
</tr>
<tr>
<td>$100K-200K</td>
<td>638</td>
<td>7.1%</td>
<td>754</td>
<td>8.6%</td>
<td>18.2%</td>
<td>19.3%</td>
</tr>
<tr>
<td>&gt;$200K</td>
<td>111</td>
<td>1.2%</td>
<td>124</td>
<td>1.4%</td>
<td>11.7%</td>
<td>10.7%</td>
</tr>
<tr>
<td>Total</td>
<td>8,931</td>
<td>100.0%</td>
<td>8,813</td>
<td>100.0%</td>
<td>(1.3)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Education Level**</th>
<th>Market 2018 Population</th>
<th>Market 2018 % of Total</th>
<th>Market 2023 Population</th>
<th>Market 2023 % of Total</th>
<th>Market Population % Change</th>
<th>National 2018 % of Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Less than High School</td>
<td>2,094</td>
<td>12.6%</td>
<td>2,069</td>
<td>12.7%</td>
<td>(1.2)%</td>
<td>5.6%</td>
</tr>
<tr>
<td>Some High School</td>
<td>2,075</td>
<td>12.5%</td>
<td>2,050</td>
<td>12.6%</td>
<td>(1.2)%</td>
<td>7.4%</td>
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<tr>
<td>High School Degree</td>
<td>5,632</td>
<td>34.0%</td>
<td>5,542</td>
<td>34.0%</td>
<td>(1.6)%</td>
<td>27.6%</td>
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<tr>
<td>Some College/Assoc. Degree</td>
<td>4,844</td>
<td>29.2%</td>
<td>4,749</td>
<td>29.2%</td>
<td>(2.0)%</td>
<td>31.0%</td>
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<tr>
<td>Bachelor's Degree or Greater</td>
<td>1,920</td>
<td>11.6%</td>
<td>1,878</td>
<td>11.5%</td>
<td>(2.2)%</td>
<td>28.4%</td>
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<tr>
<td>Total</td>
<td>16,565</td>
<td>100.0%</td>
<td>16,288</td>
<td>100.0%</td>
<td>(1.7)%</td>
<td>100.0%</td>
</tr>
</tbody>
</table>

*Excludes population age <5, **Excludes population age <25
## ii. Health Status Data
### Tennessee Overall

<table>
<thead>
<tr>
<th>Category</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Smoking</strong></td>
<td></td>
</tr>
<tr>
<td>Percentage of adults</td>
<td><strong>22.1%</strong> ▲</td>
</tr>
<tr>
<td>Since 2015, smoking* increased</td>
<td>0.9% from 21.9% to 22.1%</td>
</tr>
<tr>
<td><strong>Obesity</strong></td>
<td></td>
</tr>
<tr>
<td>Percentage of adults</td>
<td><strong>34.8%</strong> ▲</td>
</tr>
<tr>
<td>Since 2015, obesity* increased</td>
<td>3.0% from 33.8% to 34.8%</td>
</tr>
<tr>
<td><strong>Uninsured</strong></td>
<td></td>
</tr>
<tr>
<td>Percentage of population</td>
<td><strong>9.7% ▼</strong></td>
</tr>
<tr>
<td>Since 2015, uninsured* decreased</td>
<td>13.4% from 11.2% to 9.7%</td>
</tr>
<tr>
<td><strong>Drug Deaths</strong></td>
<td></td>
</tr>
<tr>
<td>Deaths per 100,000 population</td>
<td><strong>19.9 ▲</strong></td>
</tr>
<tr>
<td>Since 2015, drug deaths* increased</td>
<td>8.7% from 18.3 to 19.9</td>
</tr>
<tr>
<td><strong>Cardiovascular Deaths</strong></td>
<td></td>
</tr>
<tr>
<td>Deaths per 100,000 population</td>
<td><strong>308.0 ▲</strong></td>
</tr>
<tr>
<td>Since 2015, cardiovascular deaths* increased</td>
<td>1.8% from 302.7 to 308.0</td>
</tr>
<tr>
<td><strong>Premature Death</strong></td>
<td></td>
</tr>
<tr>
<td>Years lost before age 75 per 100,000 population</td>
<td><strong>9,467 ▲</strong></td>
</tr>
<tr>
<td>Since 2015, premature death* increased</td>
<td>1% from 9,369 to 9,467</td>
</tr>
</tbody>
</table>
Virginia Overall

<table>
<thead>
<tr>
<th>Smoking</th>
<th>Obesity</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>15.3%</strong></td>
<td><strong>29.0%</strong></td>
</tr>
<tr>
<td><strong>DECREASED</strong></td>
<td><strong>DECREASED</strong></td>
</tr>
<tr>
<td>7.3% FROM 16.5%</td>
<td>0.7% FROM 29.2%</td>
</tr>
<tr>
<td>TO 15.3%</td>
<td>TO 29.0%</td>
</tr>
<tr>
<td>* Percentage of adults</td>
<td>* Percentage of adults</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Uninsured</th>
<th>Drug Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>8.9%</strong></td>
<td><strong>11.3</strong></td>
</tr>
<tr>
<td><strong>DECREASED</strong></td>
<td><strong>INCREASED</strong></td>
</tr>
<tr>
<td>11.0% FROM 10.0%</td>
<td>11.9% FROM 10.1%</td>
</tr>
<tr>
<td>TO 8.9%</td>
<td>TO 11.3</td>
</tr>
<tr>
<td>* Percentage of population</td>
<td>* Deaths per 100,000 population</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cardiovascular Deaths</th>
<th>Premature Death</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>239.1</strong></td>
<td><strong>6,696</strong></td>
</tr>
<tr>
<td><strong>INCREASED</strong></td>
<td><strong>INCREASED</strong></td>
</tr>
<tr>
<td>0.0% FROM 239.0 TO 239.1</td>
<td>3% FROM 6,508 TO 6,696</td>
</tr>
<tr>
<td>* Deaths per 100,000 population</td>
<td>* Years lost before age 75 per 100,000 population</td>
</tr>
</tbody>
</table>
### Tennessee

#### 2017 Annual Report

<table>
<thead>
<tr>
<th>Measure</th>
<th>Rating</th>
<th>2017 Value</th>
<th>2017 Rank</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BEHAVIORS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drug Deaths (Deaths per 100,000 population)</td>
<td>++</td>
<td>19.9</td>
<td>39</td>
</tr>
<tr>
<td>Excessive Drinking (Percentage of adults)</td>
<td>++++</td>
<td>14.4%</td>
<td>6</td>
</tr>
<tr>
<td>High School Graduation (Percentage of students)</td>
<td>++++</td>
<td>87.9%</td>
<td>9</td>
</tr>
<tr>
<td>Obesity (Percentage of adults)</td>
<td>+</td>
<td>34.8%</td>
<td>45</td>
</tr>
<tr>
<td>Physical Inactivity (Percentage of adults)</td>
<td>+</td>
<td>28.4%</td>
<td>40</td>
</tr>
<tr>
<td>Smoking (Percentage of adults)</td>
<td>+</td>
<td>22.1%</td>
<td>43</td>
</tr>
<tr>
<td>Behaviors * (All Behaviors)</td>
<td>+</td>
<td>-0.134</td>
<td>43</td>
</tr>
<tr>
<td><strong>COMMUNITY &amp; ENVIRONMENT</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Air Pollution (Micrograms of fine particles per cubic meter)</td>
<td>++</td>
<td>8.2</td>
<td>32</td>
</tr>
<tr>
<td>Children in Poverty (Percentage of children)</td>
<td>+</td>
<td>21.9%</td>
<td>42</td>
</tr>
<tr>
<td>Infectious Disease (Mean z score of chlamydia, pertussis and Salmonella)</td>
<td>+++</td>
<td>-0.380</td>
<td>15</td>
</tr>
<tr>
<td>Chlamydia (Cases per 100,000 population)</td>
<td>++</td>
<td>477.5</td>
<td>32</td>
</tr>
<tr>
<td>Pertussis (Cases per 100,000 population)</td>
<td>+++</td>
<td>2.8</td>
<td>12</td>
</tr>
<tr>
<td>Salmonella (Cases per 100,000 population)</td>
<td>+++</td>
<td>13.6</td>
<td>17</td>
</tr>
<tr>
<td>Occupational Fatalities (Deaths per 100,000 workers)</td>
<td>++</td>
<td>5.1</td>
<td>33</td>
</tr>
<tr>
<td>Violent Crime (Offenses per 100,000 population)</td>
<td>+</td>
<td>633</td>
<td>47</td>
</tr>
<tr>
<td>Community &amp; Environment * (All Community &amp; Environment Measures)</td>
<td>++</td>
<td>-0.098</td>
<td>40</td>
</tr>
<tr>
<td><strong>POLICY</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunizations - Adolescents (Mean z score of HPV, meningococcal and Tdap)</td>
<td>++</td>
<td>-0.373</td>
<td>37</td>
</tr>
<tr>
<td>Immunization HPV Females (Percentage of females aged 13 to 17)</td>
<td>+</td>
<td>36.9%</td>
<td>46</td>
</tr>
<tr>
<td>Immunization HPV Males (Percentage of males aged 13 to 17)</td>
<td>++</td>
<td>35.2%</td>
<td>31</td>
</tr>
<tr>
<td>Immunization Meningococcal (Percentage of adolescents aged 13 to 17)</td>
<td>++</td>
<td>76.3%</td>
<td>33</td>
</tr>
<tr>
<td>Immunization Tdap (Percentage of adolescents aged 13 to 17)</td>
<td>+++</td>
<td>89.3%</td>
<td>23</td>
</tr>
<tr>
<td>Immunizations - Children (Percentage of children aged 19 to 35 months)</td>
<td>++</td>
<td>67.4%</td>
<td>40</td>
</tr>
<tr>
<td>Public Health Funding (Dollars per person)</td>
<td>+++</td>
<td>914</td>
<td>23</td>
</tr>
<tr>
<td>Uninsured (Percentage of population)</td>
<td>++</td>
<td>9.7%</td>
<td>34</td>
</tr>
<tr>
<td>Policy * (All Policy measures)</td>
<td>++</td>
<td>-0.033</td>
<td>35</td>
</tr>
<tr>
<td><strong>CLINICAL CARE</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dentists (Number per 100,000 population)</td>
<td>++</td>
<td>49.2</td>
<td>40</td>
</tr>
<tr>
<td>Low Birthweight (Percentage of live births)</td>
<td>+</td>
<td>9.1%</td>
<td>41</td>
</tr>
<tr>
<td>Mental Health Providers (Number per 100,000 population)</td>
<td>+</td>
<td>138.2</td>
<td>43</td>
</tr>
<tr>
<td>Preventable Hospitalizations (Discharges per 1,000 Medicare enrollees)</td>
<td>+</td>
<td>59.3</td>
<td>43</td>
</tr>
<tr>
<td>Primary Care Physicians (Number per 100,000 population)</td>
<td>+++</td>
<td>138.5</td>
<td>27</td>
</tr>
<tr>
<td>Clinical Care * (All Clinical Care measures)</td>
<td>++</td>
<td>-0.116</td>
<td>43</td>
</tr>
<tr>
<td><strong>ALL DETERMINANTS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>All Determinants * (All Determinants)</td>
<td>+</td>
<td>-0.381</td>
<td>45</td>
</tr>
<tr>
<td><strong>OUTCOMES</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cancer Deaths (Deaths per 100,000 population)</td>
<td>+</td>
<td>216.5</td>
<td>44</td>
</tr>
<tr>
<td>Cardiovascular Deaths (Deaths per 100,000 population)</td>
<td>+</td>
<td>308.0</td>
<td>45</td>
</tr>
<tr>
<td>Diabetes (Percentage of adults)</td>
<td>+</td>
<td>12.7%</td>
<td>44</td>
</tr>
<tr>
<td>Disparity in Health Status (Percentage point difference)</td>
<td>+++</td>
<td>24.6%</td>
<td>13</td>
</tr>
<tr>
<td>Frequent Mental Distress (Percentage of adults)</td>
<td>+</td>
<td>13.7%</td>
<td>42</td>
</tr>
<tr>
<td>Frequent Physical Distress (Percentage of adults)</td>
<td>+</td>
<td>15.0%</td>
<td>47</td>
</tr>
<tr>
<td>Infant Mortality (Deaths per 1,000 live births)</td>
<td>+</td>
<td>6.9</td>
<td>38</td>
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<tr>
<td>Premature Death (Years lost before age 75 per 100,000 population)</td>
<td>+</td>
<td>9.467</td>
<td>43</td>
</tr>
<tr>
<td>All Outcomes * (All Outcomes)</td>
<td>+</td>
<td>-0.257</td>
<td>44</td>
</tr>
</tbody>
</table>

* Value indicates z score. Negative scores are below US value; positive scores are above US value. For complete definitions of measures including data sources and years, see "Appendix: Core Measures".
### Virginia

**2017 Annual Report**

<table>
<thead>
<tr>
<th>Measure</th>
<th>Rating</th>
<th>2017 Value</th>
<th>2017 Rank</th>
</tr>
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<tbody>
<tr>
<td><strong>Behaviors</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drug Deaths (Deaths per 100,000 population)</td>
<td>+++</td>
<td>11.3</td>
<td>7</td>
</tr>
<tr>
<td>Excessive Drinking (Percentage of adults)</td>
<td>+++</td>
<td>17.4%</td>
<td>15</td>
</tr>
<tr>
<td>High School Graduation (Percentage of students)</td>
<td>+++</td>
<td>85.7%</td>
<td>20</td>
</tr>
<tr>
<td>Obesity (Percentage of adults)</td>
<td>+++</td>
<td>29.0%</td>
<td>21</td>
</tr>
<tr>
<td>Physical inactivity (Percentage of adults)</td>
<td>+++</td>
<td>23.3%</td>
<td>26</td>
</tr>
<tr>
<td>Smoking (Percentage of adults)</td>
<td>+++</td>
<td>15.3%</td>
<td>15</td>
</tr>
<tr>
<td>Behaviors* (All Behaviors)</td>
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<td>8</td>
</tr>
<tr>
<td><strong>Policy</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Immunizations - Adolescents (Mean z score of HPV, meningococcal and Tdap)</td>
<td>++</td>
<td>-0.590</td>
<td>40</td>
</tr>
<tr>
<td>Immunization HPV Females (Percentage of females aged 13 to 17)</td>
<td>+</td>
<td>41.1%</td>
<td>42</td>
</tr>
<tr>
<td>Immunization HPV Males (Percentage of males aged 13 to 17)</td>
<td>+++</td>
<td>37.4%</td>
<td>25</td>
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<tr>
<td>Immunization Meningococcal (Percentage of adolescents aged 13 to 17)</td>
<td>+</td>
<td>71.5%</td>
<td>41</td>
</tr>
<tr>
<td>Immunization Tdap (Percentage of adolescents aged 13 to 17)</td>
<td>+++</td>
<td>87.1%</td>
<td>32</td>
</tr>
<tr>
<td>Immunizations - Children (Percentage of children aged 19 to 35 months)</td>
<td>+</td>
<td>65.9%</td>
<td>45</td>
</tr>
<tr>
<td>Public Health Funding (Dollars per person)</td>
<td>++</td>
<td>$73</td>
<td>33</td>
</tr>
<tr>
<td>Uninsured (Percentage of population)</td>
<td>+++</td>
<td>8.9%</td>
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</tr>
<tr>
<td>Policy* (All Policy measures)</td>
<td>++</td>
<td>-0.042</td>
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<tr>
<td><strong>Clinical Care</strong></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Dentists (Number per 100,000 population)</td>
<td>+++</td>
<td>63.6</td>
<td>14</td>
</tr>
<tr>
<td>Low Birthweight (Percentage of live births)</td>
<td>+++</td>
<td>7.9%</td>
<td>22</td>
</tr>
<tr>
<td>Mental Health Providers (Number per 100,000 population)</td>
<td>++</td>
<td>145.2</td>
<td>40</td>
</tr>
<tr>
<td>Preventable Hospitalizations (Discharges per 1,000 Medicare enrollees)</td>
<td>+++</td>
<td>42.8</td>
<td>15</td>
</tr>
<tr>
<td>Primary Care Physicians (Number per 100,000 population)</td>
<td>+++</td>
<td>141.8</td>
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<td>Clinical Care* (All Clinical Care measures)</td>
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<td><strong>Community &amp; Environment</strong></td>
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<td></td>
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<tr>
<td>Air Pollution (Micrograms of fine particles per cubic meter)</td>
<td>+++</td>
<td>7.5%</td>
<td>20</td>
</tr>
<tr>
<td>Children in Poverty (Percentage of children)</td>
<td>+++</td>
<td>13.0%</td>
<td>11</td>
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<tr>
<td>Infectious Disease (Mean z score of chlamydia, pertussis and Salmonella)</td>
<td>+++</td>
<td>-0.443</td>
<td>13</td>
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<td>Chlamydia (Cases per 100,000 population)</td>
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<td>21</td>
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<td>Pertussis (Cases per 100,000 population)</td>
<td>+++</td>
<td>4.4</td>
<td>22</td>
</tr>
<tr>
<td>Salmonella (Cases per 100,000 population)</td>
<td>+++</td>
<td>14.1</td>
<td>19</td>
</tr>
<tr>
<td>Occupational Fatalities (Deaths per 100,000 workers)</td>
<td>+++</td>
<td>4.2</td>
<td>20</td>
</tr>
<tr>
<td>Violent Crime (Offenses per 100,000 population)</td>
<td>+++</td>
<td>218</td>
<td>4</td>
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<tr>
<td>Community &amp; Environment* (All Community &amp; Environment Measures)</td>
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<tr>
<td><strong>ALL Determinants</strong></td>
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<tr>
<td><strong>Outcome</strong></td>
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<tr>
<td>Cancer Deaths (Deaths per 100,000 population)</td>
<td>+++</td>
<td>190.1</td>
<td>24</td>
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<tr>
<td>Cardiovascular Deaths (Deaths per 100,000 population)</td>
<td>+++</td>
<td>239.1</td>
<td>25</td>
</tr>
<tr>
<td>Diabetes (Percentage of adults)</td>
<td>+++</td>
<td>10.4%</td>
<td>23</td>
</tr>
<tr>
<td>Disparity In Health Status (Percentage point difference)</td>
<td>+++</td>
<td>27.4%</td>
<td>27</td>
</tr>
<tr>
<td>Frequent Mental Distress (Percentage of adults)</td>
<td>+++</td>
<td>10.9%</td>
<td>19</td>
</tr>
<tr>
<td>Frequent Physical Distress (Percentage of adults)</td>
<td>+++</td>
<td>11.0%</td>
<td>14</td>
</tr>
<tr>
<td>Infant Mortality (Deaths per 100,000 live births)</td>
<td>+++</td>
<td>5.8</td>
<td>23</td>
</tr>
<tr>
<td>Premature Death (Years lost before age 75 per 100,000 population)</td>
<td>+++</td>
<td>6,696</td>
<td>19</td>
</tr>
<tr>
<td>All Outcomes* (All Outcomes)</td>
<td>+++</td>
<td>0.062</td>
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</tr>
<tr>
<td><strong>Overall</strong></td>
<td></td>
<td>0.303</td>
<td>19</td>
</tr>
</tbody>
</table>

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### Sullivan County, TN

<table>
<thead>
<tr>
<th>Health Outcomes</th>
<th>Sullivan County</th>
<th>Tennessee</th>
<th>Desired</th>
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<td>Infant mortality</td>
<td>6.7</td>
<td>7.4</td>
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<tr>
<td>Low Birthweight (%)</td>
<td>9.1%</td>
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<tr>
<td>Children with NAS (rate)</td>
<td>50.5</td>
<td>12.8</td>
<td>↓</td>
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<tr>
<td>Poor or fair health (%)</td>
<td>20.0%</td>
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<td>↓</td>
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<tr>
<td>Cardiovascular Death (per 100,000)</td>
<td>408.18</td>
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<td>Cancer deaths (per 100,000)</td>
<td>278.07</td>
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<tr>
<td>Diabetes Mellitus deaths (per 100,000)</td>
<td>24.87</td>
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<td>Cerebrovascular deaths (per 100,000)</td>
<td>63.14</td>
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<td>Suicide Rate (per 100,000)</td>
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<td>Lung cancer deaths (per 100,000)</td>
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<td>Female breast cancer deaths (per 100,000)</td>
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<td>Prevalence of diabetes (%)</td>
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<td>Diabetic HbA1C Testing (%)</td>
<td>90.0%</td>
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<td>Mammography Screening (%)</td>
<td>71.0%</td>
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<td>↑</td>
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<td>Frequent Mental Distress</td>
<td>14.0%</td>
<td>14.0%</td>
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<tr>
<td>Premature Deaths (age adjusted)</td>
<td>460</td>
<td>440</td>
<td>↓</td>
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<table>
<thead>
<tr>
<th>Health Behaviors</th>
<th>Sullivan County</th>
<th>Tennessee</th>
<th>Desired</th>
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<tbody>
<tr>
<td>Alcohol-impaired driving deaths (per 100,000)</td>
<td>0.81</td>
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<td>Excessive Drinking (%)</td>
<td>11.0%</td>
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<td>Adult Smoking (%)</td>
<td>20.0%</td>
<td>22.0%</td>
<td>↓</td>
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<tr>
<td>Adult Obesity (%)</td>
<td>30.0%</td>
<td>32.0%</td>
<td>↓</td>
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<tr>
<td>Public School Students measured as overweight/obese</td>
<td>37.5%</td>
<td>38.4%</td>
<td>↓</td>
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<tr>
<td>Physical Inactivity (%)</td>
<td>33.0%</td>
<td>30.0%</td>
<td>↓</td>
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<tr>
<td>Teen births (per 1,000)</td>
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<td>Drug overdose deaths</td>
<td>24</td>
<td>20</td>
<td>↓</td>
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<td>Violent crime (per 100,000)</td>
<td>477</td>
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<td>Homicides (per 100,000)</td>
<td>2</td>
<td>7</td>
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<td>Motor vehicle crash deaths (per 100,000)</td>
<td>14</td>
<td>15</td>
<td>↓</td>
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<tr>
<td>Non Marital Births (%)</td>
<td>40.1%</td>
<td>43.9%</td>
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### Health Determinants

<table>
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<th>Tennessee</th>
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<tbody>
<tr>
<td>Uninsured Adults (%)</td>
<td>17%</td>
<td>10%</td>
<td>↓</td>
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<tr>
<td>Uninsured Children (%)</td>
<td>5%</td>
<td>4%</td>
<td>↓</td>
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<tr>
<td>Youth on TennCare (%)</td>
<td>53.4%</td>
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<tr>
<td>Median Household Income ($)</td>
<td>$42,300</td>
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<tr>
<td>Children eligible for free or reduced lunch (%)</td>
<td>54%</td>
<td>56%</td>
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<tr>
<td>Children in single-parent households (%)</td>
<td>34%</td>
<td>36%</td>
<td>↓</td>
</tr>
<tr>
<td>Children in poverty (%)</td>
<td>25%</td>
<td>28%</td>
<td>↓</td>
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<tr>
<td>High school graduation (%)</td>
<td>93%</td>
<td>88%</td>
<td>↑</td>
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<tr>
<td>Unemployment (%)</td>
<td>5.90%</td>
<td>5.80%</td>
<td>↓</td>
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<tr>
<td>Food insecurity (%)</td>
<td>14%</td>
<td>17%</td>
<td>↓</td>
</tr>
<tr>
<td>Limited access to healthy foods (%)</td>
<td>14%</td>
<td>8%</td>
<td>↓</td>
</tr>
<tr>
<td>3rd to 8th grade average TCAP score in reading and language (%)</td>
<td>53%</td>
<td>48%</td>
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### Physical Environment

<table>
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<tbody>
<tr>
<td>Severe housing problems (%)</td>
<td>13%</td>
<td>16%</td>
<td>↓</td>
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<tr>
<td>Median Home Sale Price</td>
<td>$134,000</td>
<td>$185,000</td>
<td>↑</td>
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<tr>
<td>Air pollution - particulate matter (µg/m³)</td>
<td>10.10</td>
<td>9.70</td>
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### Health Resources

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Hospital Staffed Beds (per 1,000)</td>
<td>7.3</td>
<td>3.80</td>
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<td>Licensed Nursing Beds (per 1,000 65+)</td>
<td>29.6</td>
<td>38.90</td>
<td>↑</td>
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<td># of Primary Care MDs (residents to MD)</td>
<td>720:1</td>
<td>1,380:1</td>
<td>↑</td>
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<tr>
<td># of Mental Health Providers (residents to provider)</td>
<td>950:1</td>
<td>780:1</td>
<td>↑</td>
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<tr>
<td># of Dentists (residents to dentist)</td>
<td>1,400:1</td>
<td>1,940:1</td>
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<tr>
<td># of Midlevel PCPs (residents to provider)</td>
<td>610:1</td>
<td>923:1</td>
<td>↑</td>
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<tr>
<td>% of Medicaid enrollees</td>
<td>22.9%</td>
<td></td>
<td>↓</td>
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<tr>
<td>Food stamp eligible participants (SNAP) (%)</td>
<td>17.8%</td>
<td>17.7%</td>
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<tr>
<td>Children on SNAP (%)</td>
<td>32.9%</td>
<td>32.3%</td>
<td>↓</td>
</tr>
<tr>
<td>Infants and Children on WIC</td>
<td>40.4%</td>
<td>33.7%</td>
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### Maternal Health

<table>
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<tbody>
<tr>
<td>Birth rate per 1,000 population</td>
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<td>Adequate Prenatal Care</td>
<td>47.4%</td>
<td>55.0%</td>
<td>↑</td>
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<tr>
<td>Mothers who smoke during pregnancy</td>
<td>23.3%</td>
<td>14.2%</td>
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## Hawkins County, TN

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<th>Hawkins County</th>
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<td>Infant mortality</td>
<td>11.2</td>
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<td>Low Birthweight (%)</td>
<td>8.8%</td>
<td>9.1%</td>
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<tr>
<td>Children with NAS (rate)</td>
<td>55.7</td>
<td>12.8</td>
<td>↓</td>
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<tr>
<td>Poor or fair health (%)</td>
<td>20.0%</td>
<td>20.0%</td>
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<td>Cardiovascular Death (per 100,000)</td>
<td>393.12</td>
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<td>Cancer deaths (per 100,000)</td>
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<td>Diabetes Mellitus deaths (per 100,000)</td>
<td>33.64</td>
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<tr>
<td>Cerebrovascular deaths (per 100,000)</td>
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<td>52.1</td>
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<td>Prevalence of diabetes (%)</td>
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<td>↓</td>
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<td>Diabetic HbA1C Testing (%)</td>
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<td>Mammography Screening (%)</td>
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<td>↓</td>
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<td>Premature Deaths (age adjusted)</td>
<td>520</td>
<td>440</td>
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<thead>
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<th>Hawkins County</th>
<th>Tennessee</th>
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<td>Alcohol-impaired driving deaths (per 100,000)</td>
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<td>↓</td>
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<td>Adult Smoking (%)</td>
<td>22.0%</td>
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<td>↓</td>
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<tr>
<td>Adult Obesity (%)</td>
<td>33.0%</td>
<td>32.0%</td>
<td>↓</td>
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<td>Public School Students measured as overweight/obese</td>
<td>45.8%</td>
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<td>Physical Inactivity (%)</td>
<td>39%</td>
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<td>Teen births (per 1,000)</td>
<td>34.9</td>
<td>30.4</td>
<td>↓</td>
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<tr>
<td>Drug overdose deaths</td>
<td>27</td>
<td>20</td>
<td>↓</td>
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<tr>
<td>Violent crime (per 100,000)</td>
<td>250</td>
<td>614</td>
<td>↓</td>
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<td>Homicides (per 100,000)</td>
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<td>7</td>
<td>↓</td>
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<td>Motor vehicle crash deaths (per 100,000)</td>
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<td>↓</td>
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<tr>
<td>Non Marital Births (%)</td>
<td>44.9%</td>
<td>43.9%</td>
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### Health Determinants

<table>
<thead>
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<th>Health Determinants</th>
<th>Hawkins County</th>
<th>Tennessee</th>
<th>Desired</th>
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<tbody>
<tr>
<td>Uninsured Adults (%)</td>
<td>16%</td>
<td>10%</td>
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<tr>
<td>Uninsured Children (%)</td>
<td>4%</td>
<td>4%</td>
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<tr>
<td>Youth on TennCare (%)</td>
<td>57.6%</td>
<td>51.8%</td>
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<td>Median Household Income ($)</td>
<td>$38,700</td>
<td>$47,200</td>
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<td>Children eligible for free or reduced lunch (%)</td>
<td>63%</td>
<td>56%</td>
<td>↓</td>
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<td>Children in single-parent households (%)</td>
<td>36%</td>
<td>36%</td>
<td>↓</td>
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<tr>
<td>Children in poverty (%)</td>
<td>31%</td>
<td>28%</td>
<td>↓</td>
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<tr>
<td>High school graduation (%)</td>
<td>90%</td>
<td>88%</td>
<td>↑</td>
</tr>
<tr>
<td>Unemployment (%)</td>
<td>6.50%</td>
<td>5.80%</td>
<td>↓</td>
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<tr>
<td>Food insecurity (%)</td>
<td>14%</td>
<td>17%</td>
<td>↓</td>
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<tr>
<td>Limited access to healthy foods (%)</td>
<td>8%</td>
<td>8%</td>
<td>↓</td>
</tr>
<tr>
<td>3rd to 8th grade average TCAP score in reading and language (%)</td>
<td>48%</td>
<td>48%</td>
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### Physical Environment

<table>
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<th>Hawkins County</th>
<th>Tennessee</th>
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<td>Severe housing problems (%)</td>
<td>10%</td>
<td>16%</td>
<td>↓</td>
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<tr>
<td>Median Home Sale Price</td>
<td>$127,750</td>
<td>$185,000</td>
<td>↑</td>
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<td>Air pollution - particulate matter (µg/m^3)</td>
<td>10.50</td>
<td>9.70</td>
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### Health Resources

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<th>Hawkins County</th>
<th>Tennessee</th>
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</tr>
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<td>Hospital Staffed Beds (per 1,000)</td>
<td>0.9</td>
<td>3.80</td>
<td>↑</td>
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<tr>
<td>Licensed Nursing Beds (per 1,000 65+)</td>
<td>18.3</td>
<td>38.90</td>
<td>↑</td>
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<td># of Primary Care MDs (residents to MD)</td>
<td>3,340:1</td>
<td>1,380:1</td>
<td>↑</td>
</tr>
<tr>
<td># of Mental Health Providers (residents to provider)</td>
<td>8,070:1</td>
<td>780:1</td>
<td>↑</td>
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<tr>
<td># of Dentists (residents to dentist)</td>
<td>6,270:1</td>
<td>1,940:1</td>
<td>↑</td>
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<tr>
<td># of Midlevel PCPs (residents to provider)</td>
<td>2,092:1</td>
<td>923:1</td>
<td>↑</td>
</tr>
<tr>
<td>% of Medicaid enrollees</td>
<td>25.7%</td>
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<td>↓</td>
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<tr>
<td>Food stamp eligible participants (SNAP) (%)</td>
<td>20.8%</td>
<td>17.7%</td>
<td>↓</td>
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<tr>
<td>Children on SNAP (%)</td>
<td>36.7%</td>
<td>32.3%</td>
<td>↓</td>
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<tr>
<td>Infants and Children on WIC</td>
<td>46.4%</td>
<td>33.7%</td>
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### Maternal Health

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<th>Hawkins County</th>
<th>Tennessee</th>
<th>Desired</th>
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<tbody>
<tr>
<td>Birth rate per 1,000 population</td>
<td>12.3</td>
<td></td>
<td>↑</td>
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<tr>
<td>Adequate Prenatal Care</td>
<td>55.9%</td>
<td>55.0%</td>
<td>↑</td>
</tr>
<tr>
<td>Mothers who smoke during pregnancy</td>
<td>28.7%</td>
<td>14.2%</td>
<td>↓</td>
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Scott County, VA

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<th>Scott County</th>
<th>Virginia</th>
<th>Desired</th>
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<td>Infant mortality</td>
<td>0%</td>
<td>5.9</td>
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<tr>
<td>Low Birthweight (%)</td>
<td>10%</td>
<td>8%</td>
<td>↓</td>
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<tr>
<td>Children with NAS (rate)</td>
<td>11</td>
<td>6.1</td>
<td>↓</td>
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<tr>
<td>Poor or fair health (%)</td>
<td>17%</td>
<td>15%</td>
<td>↓</td>
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<tr>
<td>Cardiovascular Death (per 100,000)</td>
<td>195.3</td>
<td>155.9</td>
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<td>Cancer deaths (per 100,000)</td>
<td>161</td>
<td>161.36</td>
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<td>Diabetes Mellitus deaths (per 100,000)</td>
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<td>18.3</td>
<td>↓</td>
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<tr>
<td>Cerebrovascular deaths (per 100,000)</td>
<td>39.6</td>
<td>38.5</td>
<td>↓</td>
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<tr>
<td>Suicide Rate (per 100,000)</td>
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<td>12.2</td>
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<td>Lung cancer deaths (per 100,000)</td>
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<td>60.4</td>
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<td>Female breast cancer deaths (per 100,000)</td>
<td>25.9</td>
<td>22.7</td>
<td>↓</td>
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<tr>
<td>Prevalence of diabetes (%)</td>
<td>14%</td>
<td>10%</td>
<td>↓</td>
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<tr>
<td>Diabetic Hba1C Testing (%)</td>
<td>93%</td>
<td>87%</td>
<td>↑</td>
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<tr>
<td>Mammography Screening (%)</td>
<td>67%</td>
<td>64%</td>
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<tr>
<td>Frequent Mental Distress</td>
<td>12%</td>
<td>10%</td>
<td>↓</td>
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<tr>
<td>Premature Deaths (age adjusted)</td>
<td>470</td>
<td>310</td>
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<th>Health Behaviors</th>
<th>Scott County</th>
<th>Virginia</th>
<th>Desired</th>
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</thead>
<tbody>
<tr>
<td>Alcohol-impaired driving deaths (per 100,000)</td>
<td>11%</td>
<td>31%</td>
<td>↓</td>
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<tr>
<td>Excessive Drinking (%)</td>
<td>16%</td>
<td>17%</td>
<td>↓</td>
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<tr>
<td>Adult Smoking (%)</td>
<td>18%</td>
<td>17%</td>
<td>↓</td>
</tr>
<tr>
<td>Adult Obesity (%)</td>
<td>31%</td>
<td>27%</td>
<td>↓</td>
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<tr>
<td>Physical Inactivity (%)</td>
<td>33%</td>
<td>21%</td>
<td>↓</td>
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<td>Teen births (per 1,000)</td>
<td>44</td>
<td>25</td>
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<td>Drug overdose deaths</td>
<td>18</td>
<td>12</td>
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<td>Violent crime (per 100,000)</td>
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<td>Motor vehicle crash deaths (per 100,000)</td>
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<td>↓</td>
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<td>Non Marital Births (%)</td>
<td>39.7%</td>
<td>35%</td>
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<tr>
<td>Health Determinants</td>
<td>Scott County</td>
<td>Virginia</td>
<td>Desired</td>
</tr>
<tr>
<td>---------------------------------------------------</td>
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<tr>
<td>Uninsured Adults (%)</td>
<td>17%</td>
<td>15%</td>
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<tr>
<td>Uninsured Children (%)</td>
<td>6%</td>
<td>6%</td>
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<td>Children eligible for free or reduced lunch (%)</td>
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<td>40%</td>
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<td>Children in single-parent households (%)</td>
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<td>Children in poverty (%)</td>
<td>25%</td>
<td>15%</td>
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<td>High school graduation (%)</td>
<td>89%</td>
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<td>Unemployment (%)</td>
<td>5.10%</td>
<td>4.40%</td>
<td>↓</td>
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<tr>
<td>Food insecurity (%)</td>
<td>12%</td>
<td>12%</td>
<td>↓</td>
</tr>
<tr>
<td>3rd to 8th grade average TCAP score in reading and language (%)</td>
<td>76%</td>
<td>75%</td>
<td>↑</td>
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<table>
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<tr>
<th>Physical Environment</th>
<th>Scott County</th>
<th>Virginia</th>
<th>Desired</th>
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<tr>
<td>Severe housing problems (%)</td>
<td>11%</td>
<td>15%</td>
<td>↓</td>
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<tr>
<td>Driving alone to work</td>
<td>87%</td>
<td>78%</td>
<td>↑</td>
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<tr>
<td>Air pollution - particulate matter (µg/m^3)</td>
<td>10.0</td>
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<table>
<thead>
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<th>Health Resources</th>
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<td>Licensed Nursing Beds (per 1,000 65+)</td>
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<td># of Primary Care MDs (residents to MD)</td>
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<td>1,320:1</td>
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<td># of Mental Health Providers (residents to provider)</td>
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<td>Number of Medicaid enrollees</td>
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<tr>
<td>Children on SNAP (Rate per 1,000)</td>
<td>34.8</td>
<td>42.4</td>
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<th>Maternal Health</th>
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<tr>
<td>Birth rate per 1,000 population</td>
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<td>Adequate Prenatal Care</td>
<td>7.7%</td>
<td>81.6%</td>
<td>↑</td>
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<tr>
<td>Mothers who smoke during pregnancy (Rate per 1,000)</td>
<td>240.3</td>
<td>56</td>
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## Lee County, VA

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<tbody>
<tr>
<td>Infant mortality</td>
<td>0%</td>
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<td>Low Birthweight (%)</td>
<td>9%</td>
<td>8%</td>
<td>↓</td>
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<tr>
<td>Children with NAS (rate)</td>
<td>31.1</td>
<td>6.1</td>
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<tr>
<td>Poor or fair health (%)</td>
<td>20%</td>
<td>15%</td>
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<tr>
<td>Cardiovascular Death (per 100,000)</td>
<td>234</td>
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<td>Cancer deaths (per 100,000)</td>
<td>228.4</td>
<td>161.36</td>
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<td>Diabetes Mellitus deaths (per 100,000)</td>
<td>17.8</td>
<td>18.3</td>
<td>↓</td>
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<tr>
<td>Cerebrovascular deaths (per 100,000)</td>
<td>36.8</td>
<td>38.5</td>
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<td>Suicide Rate (per 100,000)</td>
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<td>Lung cancer deaths (per 100,000)</td>
<td>73.4</td>
<td>60.4</td>
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<td>Female breast cancer deaths (per 100,000)</td>
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<td>↓</td>
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<tr>
<td>Prevalence of diabetes (%)</td>
<td>12%</td>
<td>10%</td>
<td>↓</td>
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<tr>
<td>Diabetic HBA1C Testing (%)</td>
<td>%</td>
<td>87%</td>
<td>↑</td>
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<tr>
<td>Mammography Screening (%)</td>
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<td>↑</td>
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<tr>
<td>Frequent Mental Distress</td>
<td>12%</td>
<td>10%</td>
<td>↓</td>
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<td>Premature Deaths (age adjusted)</td>
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<td>310</td>
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<th>Virginia</th>
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<tbody>
<tr>
<td>Alcohol-impaired driving deaths (per 100,000)</td>
<td>19%</td>
<td>31%</td>
<td>↓</td>
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<tr>
<td>Excessive Drinking (%)</td>
<td>15%</td>
<td>17%</td>
<td>↓</td>
</tr>
<tr>
<td>Adult Smoking (%)</td>
<td>20%</td>
<td>17%</td>
<td>↓</td>
</tr>
<tr>
<td>Adult Obesity (%)</td>
<td>29%</td>
<td>27%</td>
<td>↓</td>
</tr>
<tr>
<td>Physical Inactivity (%)</td>
<td>31%</td>
<td>21%</td>
<td>↓</td>
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<tr>
<td>Teen births (per 1,000)</td>
<td>53</td>
<td>25</td>
<td>↓</td>
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<tr>
<td>Drug overdose deaths</td>
<td>23</td>
<td>12</td>
<td>↓</td>
</tr>
<tr>
<td>Violent crime (per 100,000)</td>
<td>153</td>
<td>194</td>
<td>↓</td>
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<tr>
<td>Homicides (per 100,000)</td>
<td>4</td>
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<td>Motor vehicle crash deaths (per 100,000)</td>
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<td>9</td>
<td>↓</td>
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<td>Non Marital Births (%)</td>
<td>39%</td>
<td>35%</td>
<td>↓</td>
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<tr>
<td>Health Determinants</td>
<td>Lee County</td>
<td>Virginia</td>
<td>Desired</td>
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<tr>
<td>----------------------------------------------------------</td>
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<tr>
<td>Uninsured Adults (%)</td>
<td>19%</td>
<td>15%</td>
<td>↓</td>
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<tr>
<td>Uninsured Children (%)</td>
<td>6%</td>
<td>6%</td>
<td>↓</td>
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<tr>
<td>Median Household Income ($)</td>
<td>32,100</td>
<td>66,300</td>
<td>↑</td>
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<tr>
<td>Children eligible for free or reduced lunch (%)</td>
<td>61%</td>
<td>40%</td>
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<tr>
<td>Children in single-parent households (%)</td>
<td>28%</td>
<td>30%</td>
<td>↓</td>
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<tr>
<td>Children in poverty (%)</td>
<td>36%</td>
<td>15%</td>
<td>↓</td>
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<tr>
<td>High school graduation (%)</td>
<td>76%</td>
<td>86%</td>
<td>↑</td>
</tr>
<tr>
<td>Unemployment (%)</td>
<td>7.2%</td>
<td>4.40%</td>
<td>↓</td>
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<tr>
<td>Food insecurity (%)</td>
<td>15%</td>
<td>12%</td>
<td>↓</td>
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<tr>
<td>3rd to 8th grade average TCAP score in reading and language (%)</td>
<td>74%</td>
<td>75%</td>
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<tr>
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<th>Virginia</th>
<th>Desired</th>
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<tbody>
<tr>
<td>Severe housing problems (%)</td>
<td>15%</td>
<td>15%</td>
<td>↓</td>
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<tr>
<td>Driving alone to work</td>
<td>86%</td>
<td>78%</td>
<td>↑</td>
</tr>
<tr>
<td>Air pollution - particulate matter (µg/m^3)</td>
<td>9.6</td>
<td>8.7</td>
<td>↓</td>
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<table>
<thead>
<tr>
<th>Health Resources</th>
<th>Lee County</th>
<th>Virginia</th>
<th>Desired</th>
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<tbody>
<tr>
<td>Licensed Nursing Beds (per 1,000 65+)</td>
<td></td>
<td></td>
<td>↑</td>
</tr>
<tr>
<td># of Primary Care MDs (residents to MD)</td>
<td>3,560:1</td>
<td>1,320:1</td>
<td>↑</td>
</tr>
<tr>
<td># of Mental Health Providers (residents to provider)</td>
<td>970:1</td>
<td>730:1</td>
<td>↑</td>
</tr>
<tr>
<td>Number of Medicaid enrollees</td>
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<td></td>
<td></td>
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<tr>
<td>Children on SNAP (Rate per 1,000)</td>
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<td>42.4</td>
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<table>
<thead>
<tr>
<th>Maternal Health</th>
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<th>Desired</th>
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<tr>
<td>Birth rate per 1,000 population</td>
<td>9.1</td>
<td>12.3</td>
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<tr>
<td>Adequate Prenatal Care</td>
<td></td>
<td>81.6%</td>
<td>↑</td>
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<tr>
<td>Mothers who smoke during pregnancy (Rate per 1,000)</td>
<td>339.7</td>
<td>56</td>
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# Wise County, VA

<table>
<thead>
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<th>Health Outcomes</th>
<th>Wise County</th>
<th>Virginia</th>
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<tr>
<td>Infant mortality</td>
<td>10.6</td>
<td>5.9</td>
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<tr>
<td>Low Birthweight (%)</td>
<td>7%</td>
<td>8%</td>
<td>↓</td>
</tr>
<tr>
<td>Children with NAS (rate)</td>
<td>5880%</td>
<td>6.1</td>
<td>↓</td>
</tr>
<tr>
<td>Poor or fair health (%)</td>
<td>17%</td>
<td>15%</td>
<td>↓</td>
</tr>
<tr>
<td>Cardiovascular Death (per 100,000)</td>
<td>310.6</td>
<td>155.9</td>
<td>↓</td>
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<tr>
<td>Cancer deaths (per 100,000)</td>
<td>141.4</td>
<td>161.36</td>
<td>↓</td>
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<tr>
<td>Diabetes Mellitus deaths (per 100,000)</td>
<td>n/a</td>
<td>18.3</td>
<td>↓</td>
</tr>
<tr>
<td>Cerebrovascular deaths (per 100,000)</td>
<td>21.5</td>
<td>38.5</td>
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<td>Suicide Rate (per 100,000)</td>
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<td>Lung cancer deaths (per 100,000)</td>
<td>872.2</td>
<td>60.4</td>
<td>↓</td>
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<td>Female breast cancer deaths (per 100,000)</td>
<td>25.9</td>
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<td>↓</td>
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<tr>
<td>Prevalence of diabetes (%)</td>
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<td>10%</td>
<td>↓</td>
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<td>Diabetic HbA1C Testing (%)</td>
<td>86%</td>
<td>87%</td>
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<td>Mammography Screening (%)</td>
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<td>↑</td>
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<td>Frequent Mental Distress</td>
<td>12%</td>
<td>10%</td>
<td>↓</td>
</tr>
<tr>
<td>Premature Deaths (age adjusted)</td>
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<td>310</td>
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<th>Health Behaviors</th>
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<tbody>
<tr>
<td>Alcohol-impaired driving deaths (per 100,000)</td>
<td>15%</td>
<td>31%</td>
<td>↓</td>
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<tr>
<td>Excessive Drinking (%)</td>
<td>16%</td>
<td>17%</td>
<td>↓</td>
</tr>
<tr>
<td>Adult Smoking (%)</td>
<td>19%</td>
<td>17%</td>
<td>↓</td>
</tr>
<tr>
<td>Adult Obesity (%)</td>
<td>26%</td>
<td>27%</td>
<td>↓</td>
</tr>
<tr>
<td>Physical Inactivity (%)</td>
<td>23%</td>
<td>21%</td>
<td>↓</td>
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<tr>
<td>Teen births (per 1,000)</td>
<td>50</td>
<td>25</td>
<td>↓</td>
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<tr>
<td>Drug overdose deaths</td>
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<td>12</td>
<td>↓</td>
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<tr>
<td>Violent crime (per 100,000)</td>
<td>221</td>
<td>194</td>
<td>↓</td>
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<td>Homicides (per 100,000)</td>
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<td>4</td>
<td>↓</td>
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<tr>
<td>Motor vehicle crash deaths (per 100,000)</td>
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<td>↓</td>
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<tr>
<td>Non Marital Births (%)</td>
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### Health Determinants

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<th>Virginia</th>
<th>Desired</th>
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<tbody>
<tr>
<td>Uninsured Adults (%)</td>
<td>16%</td>
<td>15%</td>
<td>↓</td>
</tr>
<tr>
<td>Uninsured Children (%)</td>
<td>4%</td>
<td>6%</td>
<td>↓</td>
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<tr>
<td>Median Household Income ($)</td>
<td>31,300</td>
<td>66,300</td>
<td>↑</td>
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<tr>
<td>Children eligible for free or reduced lunch (%)</td>
<td>57%</td>
<td>40%</td>
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<tr>
<td>Children in single-parent households (%)</td>
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<td>30%</td>
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<tr>
<td>Children in poverty (%)</td>
<td>38%</td>
<td>15%</td>
<td>↓</td>
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<tr>
<td>High school graduation (%)</td>
<td>76%</td>
<td>86%</td>
<td>↑</td>
</tr>
<tr>
<td>Unemployment (%)</td>
<td>7.00%</td>
<td>4.40%</td>
<td>↓</td>
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<tr>
<td>Food insecurity (%)</td>
<td>15%</td>
<td>12%</td>
<td>↓</td>
</tr>
<tr>
<td>3rd to 8th grade average TCAP score in reading and language (%)</td>
<td>77%</td>
<td>75%</td>
<td>↑</td>
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### Physical Environment

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<th>Wise County</th>
<th>Virginia</th>
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<tbody>
<tr>
<td>Severe housing problems (%)</td>
<td>15%</td>
<td>15%</td>
<td>↓</td>
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<tr>
<td>Driving alone to work</td>
<td>93%</td>
<td>78%</td>
<td>↑</td>
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<tr>
<td>Air pollution - particulate matter (µg/m^3)</td>
<td>8.9</td>
<td>8.7</td>
<td>↓</td>
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### Health Resources

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<th>Virginia</th>
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<tbody>
<tr>
<td>Licensed Nursing Beds (per 1,000 65+)</td>
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<td>↑</td>
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</tr>
<tr>
<td># of Primary Care MDs (residents to MD)</td>
<td>370:1</td>
<td>1,320:1</td>
<td>↑</td>
</tr>
<tr>
<td># of Mental Health Providers (residents to provider)</td>
<td>300:1</td>
<td>730:1</td>
<td>↑</td>
</tr>
<tr>
<td>Children on SNAP (Rate per 1,000)</td>
<td>36.3</td>
<td>42.4</td>
<td>↓</td>
</tr>
</tbody>
</table>

### Maternal Health

<table>
<thead>
<tr>
<th></th>
<th>Wise County</th>
<th>Virginia</th>
<th>Desired</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birth rate per 1,000 population</td>
<td>12.9</td>
<td>12.3</td>
<td>↑</td>
</tr>
<tr>
<td>Adequate Prenatal Care</td>
<td>56.9%</td>
<td>81.6%</td>
<td>↑</td>
</tr>
<tr>
<td>Mothers who smoke during pregnancy (Rate per 1,000)</td>
<td>349.8</td>
<td>56</td>
<td>↓</td>
</tr>
<tr>
<td>Measure</td>
<td>Sullivan County</td>
<td>Tennessee</td>
<td>Better/ Worse than TN</td>
</tr>
<tr>
<td>-----------------------------------------------------</td>
<td>-----------------</td>
<td>-----------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>Smoking</td>
<td>20%</td>
<td>22%</td>
<td>Better</td>
</tr>
<tr>
<td>Smoking During Pregnancy</td>
<td>23.3%</td>
<td>14.2%</td>
<td>Worse</td>
</tr>
<tr>
<td>Youth Tobacco Use</td>
<td>n/a</td>
<td>11.5%</td>
<td></td>
</tr>
<tr>
<td>Physically Active Adults</td>
<td>67%</td>
<td>70%</td>
<td>Worse</td>
</tr>
<tr>
<td>Physically Active Youth</td>
<td>n/a</td>
<td>57.3%</td>
<td></td>
</tr>
<tr>
<td>Adult Obesity</td>
<td>30%</td>
<td>32%</td>
<td>Better</td>
</tr>
<tr>
<td>Obesity in Public School Students</td>
<td>37.5%</td>
<td>38%</td>
<td>Better</td>
</tr>
<tr>
<td>Maternity Practices in Infant Nutrition &amp; Care (mPINC) Score*</td>
<td>94</td>
<td>72</td>
<td>Better</td>
</tr>
<tr>
<td>Breastfeeding Initiation</td>
<td>n/a</td>
<td>71.1%</td>
<td></td>
</tr>
<tr>
<td>Infants Breastfed at 6 months</td>
<td>13.4%</td>
<td>42.5%</td>
<td>Worse</td>
</tr>
<tr>
<td>NAS Births per 1,000 live births</td>
<td>50.5</td>
<td>12.8</td>
<td>Worse</td>
</tr>
<tr>
<td>Drug Deaths per 1,000</td>
<td>24</td>
<td>20</td>
<td>Worse</td>
</tr>
<tr>
<td>Adults using Prescription Drugs for non-medical reasons</td>
<td>n/a</td>
<td>3.9%</td>
<td></td>
</tr>
<tr>
<td>Children – On-time Vaccinations</td>
<td>70.4%</td>
<td>74.2%</td>
<td>Worse</td>
</tr>
<tr>
<td>Vaccines – HPV Females</td>
<td>n/a</td>
<td>29.2%</td>
<td></td>
</tr>
<tr>
<td>Vaccines – HPV Males</td>
<td>n/a</td>
<td>25.8%</td>
<td></td>
</tr>
<tr>
<td>Vaccines – Flu Vaccine, Older Adults</td>
<td>n/a</td>
<td>61.1%</td>
<td></td>
</tr>
<tr>
<td>Teen Pregnancy</td>
<td>29.0</td>
<td>32.5</td>
<td>Better</td>
</tr>
<tr>
<td>Third Grade Reading Level – County Schools</td>
<td>48.6%</td>
<td>48%</td>
<td>Better</td>
</tr>
<tr>
<td>Third Grade Reading Level – City Schools</td>
<td>58.5%</td>
<td>48%</td>
<td>Better</td>
</tr>
<tr>
<td>Dental Sealants</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Frequent Mental Distress</td>
<td>14%</td>
<td>14%</td>
<td>On Par</td>
</tr>
<tr>
<td>Infant Mortality</td>
<td>5.2</td>
<td>7</td>
<td>Better</td>
</tr>
<tr>
<td>Low Birthweight</td>
<td>9.1%</td>
<td>9.1%</td>
<td>On Par</td>
</tr>
<tr>
<td>People with Pre-diabetes referred to a prevention program</td>
<td>n/a</td>
<td>n/a</td>
<td></td>
</tr>
<tr>
<td>Premature Deaths</td>
<td>460</td>
<td>440</td>
<td>Worse</td>
</tr>
</tbody>
</table>

*mPINC score is for IPMC

Note: County level data currently not available for all index measures; Ballad is working with the State of Tennessee to develop baseline and collection/reporting methodologies moving forward
Key Definitions for Population Health Index Data

Smoking: Percentage of adults who are self-reported smokers (smoked at least 100 cigarettes in their lifetime and currently smoke)

Mothers who smoke during pregnancy: Percentage of mothers who report smoking during pregnancy.

Youth Tobacco Use: Percentage of High School students who self-reported currently using tobacco (used cigarettes, cigars, chewing tobacco, snuff, or pipe tobacco within 30 days before the survey)

Physically Active Adults: Adults who reported participating in physical activity such as running, calisthenics, golf, gardening, or walking for exercise over the past month

Physically Active Students: Percentage of High School students who were not physically active 60+ minutes per day for 5 or more days in the last 7 days.

Adult Obesity: Percentage of adults with a body mass index of 30.0 or higher based on reported height and weight.

Overweight and Obesity Prevalence among TN public school students: Proportion of public school students in grades K, 2, 4, 6, 8, and one year of high school found to be overweight or obese during the school year.

Average mPINC Score: Maternity Practices in Infant Nutrition Care survey score based on seven birth facility policies and practices with higher scores denoting better maternity care practices and policies.

Breastfeeding Initiation: Percent of live births whose birth certificates report that the baby is breastfed.

Infants Breastfed at Six Months: Percent of infants aged six months whose guardians report at well-child visits they continue to be breastfed.

NAS Births: Number of reported Neonatal Abstinence Syndrome cases with clinical signs of withdrawal per 1,000 TN resident live births.

Drug Deaths: All drug overdose deaths of TN residents caused by acute poisonings regardless of intent.

Adults – Prescription Drugs: Adults who report using prescription drugs not prescribed by the doctor during the past 30 days.

Vaccinations – HPV Females: Percentage of females aged 13-17 years who received ≥3 doses of human papillomavirus vaccine, either quadrivalent or bivalent.

Vaccinations – HPV Males: Percentage of males aged 13-17 years who received ≥3 doses of human papillomavirus vaccine, either quadrivalent or bivalent.

Vaccinations – Flu Vaccine, Older Adults: Percentage of adults aged 65 and over who self-reported receiving a flu shot or flu vaccine sprayed in nose in the past 12 months.

Teen Pregnancy Rate: Rate of pregnancies per 1,000 females aged 15-19 years.

Third Grade Reading Level: Third graders scoring “proficient” or “advanced” on TCAP reading assessment.

Frequent Mental Distress: Percentage of adults who reported their mental health was not good 14 days or more in the past 30 days.

Infant Mortality: Number of infant deaths (before age 1) per 1,000 live births.

Low Birthweight: Percentage of infants weighing less than 2,500 grams at birth.

Dental Sealants: Children receiving dental sealants on permanent first molar teeth aged 6-9 years.

Premature Deaths Ratio: Ratio of years lost before age 75 per 100,000 population for higher density counties to lower density counties.

vi. Data Sources
Kids Count Data Center (http://datacenter.kidscount.org/)
America’s Health Rankings (https://www.americashealthrankings.org)
County Health Rankings (http://www.countyhealthrankings.org/)
Sg2 Analytics
Tennessee Department of Health
Virginia Department of Health
Tennessee Advisory Commission on Intergovernmental Relations