

# TIDALHEALTH AND SOMERSET COUNTY & WICOMICO COUNTY HEALTH DEPARTMENTS

## 2022 CHNA Report



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# INTRODUCTION & PURPOSE



TidalHealth, Somerset County Health Department (SCHD), and Wicomico County Health Department (WiCHD) are pleased to partner and present the 2022 Community Health Needs Assessment (CHNA). For purposes of this report the three leading organizations: TidalHealth, SCHD, and WiCHD will collectively be referred to as “The Partnership”.

This CHNA report provides an overview of the process and methods used to identify and prioritize significant health needs for a four-county region served by the above-mentioned organizations. This report serves to meet TidalHealth’s requirement to complete a CHNA as a non-profit hospital. Somerset County utilizes this report for strategic planning purposes, and Wicomico County as an accredited health department by the Public Health Accreditation Board (PHAB).

The purpose of this CHNA is to offer a deeper understanding of the health needs across the region and guide the planning efforts to address needs in actionable ways and with community engagement. Findings from this report will be used to identify and develop efforts to address disparities, improve health outcomes, and focus on social determinants of health to improve the health and quality of life of residents in the community.

## This report includes a description of:

- The community and methods used to obtain, analyze and synthesize primary and secondary data;
- The significant health needs in the community, taking into account the needs of uninsured, low-income, and marginalized groups;
- The process and criteria used in identifying certain health needs as significant and prioritizing those significant community needs.

## ACKNOWLEDGEMENTS

The development of this CHNA was a collective effort that included hospital and health department employees, community-serving organizations, and community members from within areas of focus that provided input and knowledge of issues and solutions and those who share our commitment to improve health and quality of life.

## HOSPITAL AND HEALTH DEPARTMENT LEADERSHIP

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Kelly Ward, WiCHD Special Assistant to the Health Officer & Deputy PIO

Christina Gray, WiCHD Epidemiologist

### TIDALHEALTH

TidalHealth's mission is stated simply: Improve the health of the communities we serve. This concept is straightforward, but accomplishing that mission is a complex task in a rapidly changing healthcare and dynamic social environment. This is our mission despite the complexities of recruiting and retaining qualified healthcare professionals, adopting and implementing new clinical knowledge and techniques, and acquiring sophisticated emerging technologies to provide care and comply with an increasingly complex clinical and regulatory environment. The well-being of each patient is the center of all those activities. We have served our community and become a trusted healthcare resource for the entire region.

In 2020, nearly 5,000 healthcare providers from across the region joined under one name and became Better Together.

TidalHealth was formed when the former Peninsula Regional Medical Center, Nanticoke Memorial Hospital in Seaford, DE, and McCready Memorial Hospital in Crisfield, MD, united to improve the health of the communities we serve. Combined, TidalHealth is the recipient of more than 150 national awards, recognitions, and certifications.

Today, TidalHealth Peninsula Regional, TidalHealth Nanticoke and TidalHealth McCready Pavilion all share a rich history of care.

**TidalHealth Peninsula Regional**, a 266-bed acute care facility celebrating 125 years of service in 2022, is the largest and most experienced healthcare provider in the region. As the sole tertiary hospital on the Delmarva Peninsula, the hospital provides emergency and trauma care, a broad range of acute specialty and subspecialty services, subacute, outpatient, diagnostic, and community health services. Our community-based services are provided by a network of family medicine and specialty care practices across the Delmarva Peninsula through private office sites, health pavilions in Delaware, and a mobile van service to extend the reach across rural communities. Our physicians, staff and volunteers provide care to over 500,000 patients each year. The Salisbury hospital's primary service area (PSA) is Wicomico County, Worcester County, and Somerset County. This Tri-County Region represents nearly 80% of the patients discharged from TidalHealth Peninsula Regional.

**TidalHealth Nanticoke** is a 99-bed nationally recognized community hospital reaching a 70-year milestone of service in 2022. The hospital provides specialty and subspecialty services, outpatient, diagnostic, and community health services. Each year, TidalHealth Nanticoke cares for more than 5,500 admitted patients, 35,000 people in the emergency department, and provides more than 105,000 outpatient tests and procedures. The Seaford hospital's primary service area (PSA) includes the cities of Seaford, Laurel, Bridgeville and Georgetown in the state of Delaware. These four cities encompass 80% of patients discharged from TidalHealth Nanticoke.



### Mission

To improve the health of the communities we serve

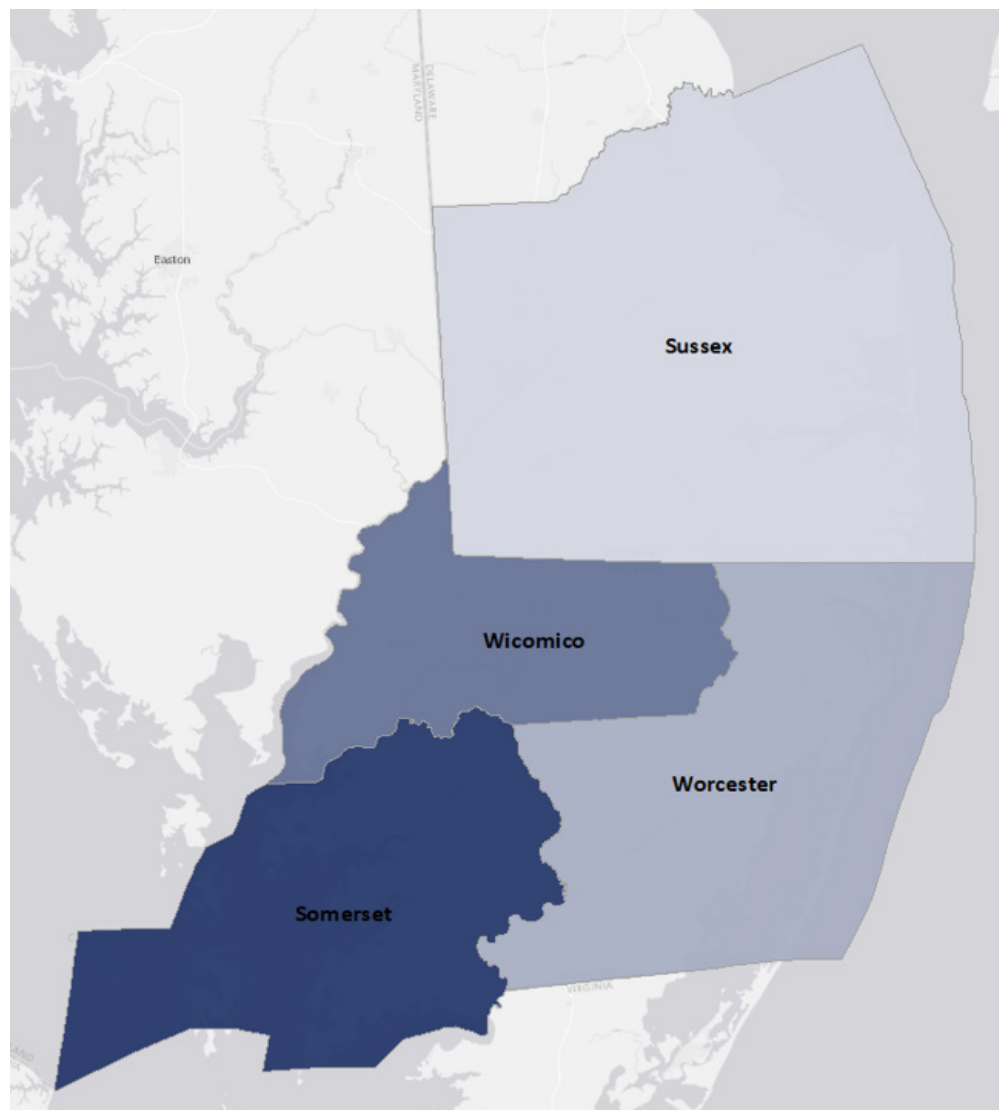
### Vision

To achieve world-class health and wellness for our families, friends and neighbors

## 1.1 SERVICE AREA

TidalHealth Peninsula Regional's service area is Somerset, Wicomico, and Worcester counties in Maryland; also known as the Tri-County Region. TidalHealth Nanticoke's service area is Sussex County, Delaware. TidalHealth, SCHD, and WiCHD collaborated for this CHNA to focus on the combined service area made up of the following four counties: Somerset, Wicomico, and Worcester counties in Maryland and Sussex County in Delaware. Together these counties include 66 zip codes, and census tracts therein. For purposes of this report, we will refer to this combined service area as the Tri-County Region and Sussex County, DE.

FIGURE 1. TRI-COUNTY AND SUSSEX, DE SERVICE AREA



### SOMERSET HEALTH DEPARTMENT

The Somerset Health Department is led by Health Officer Danielle Weber, MS, RN. Approximately 70 employees serve the public in the following departments: Behavioral Health, Community Health, Emergency Preparedness, Environmental Health, Medical Assistance Transportation, Preventive Health Services and Communication, Tri-County Alliance of the Homeless, Vital Records, and our Wellness and Recovery Center.

#### **Mission**

To serve the public by preventing illness, promoting wellness, and protecting the health of our community

#### **Vision**

Healthy People in Healthy Communities

### WICOMICO HEALTH DEPARTMENT

The Wicomico County Health Department is led by Health Officer Lori Brewster. Wicomico Health has over 200 employees and 8 major divisions, including: Administration, Behavioral Health, Case Management, Community Health Services, Dental, Environmental Health, Local Behavioral Health Authority, and Prevention and Health Communications. WiCHD has expanded over the years to meet the changing needs of the community and to continually work towards protecting the health and environment of Wicomico County. The behavioral health programs are fully accredited by CARF International (Commission on Accreditation of Rehabilitation Facilities). This achievement is an indication of the organization's dedication and commitment to continually improve services, encourage feedback, and serve the community to improve the quality of the lives of persons served. Additionally, since 2016, WiCHD has been accredited through the Public Health Accreditation Board (PHAB). PHAB sets standards against which governmental public health departments can continuously improve the quality of their services and performance.

#### **Mission**

To maximize the health and wellness of all members of the community through collaborative efforts

#### **Vision**

Healthy People in Healthy Communities

## 1.2 CONSULTANTS

The Partnership commissioned Conduent Healthy Communities Institute (HCI) to support report preparation for its 2022 CHNA. HCI works with clients across the nation to drive community health outcomes by assessing needs, developing focused strategies, identifying appropriate intervention programs, establishing monitoring systems, and implementing performance evaluation processes. The following HCI team members were involved in the development of this report: Ashley Wendt, MPH - Public Health Consultant, Dari Goldman, MPH - Senior Project Specialist, Emily Hummel, MPH - Senior Account Manager, and Margaret Mysz, MPH - Research Associate. To learn more about Conduent HCI, please visit <https://www.conduent.com/claims-and-administration/community-health-solutions/>.

## COMMUNITY HEALTH NEEDS ASSESSMENT: At a Glance

### Community Input



Community  
Survey  
(n=774)

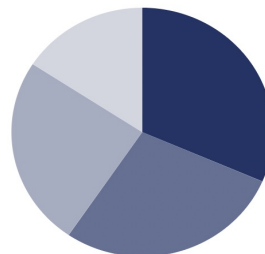


Key  
Informants  
(n=14)



Focus  
Groups  
(n=26)

### Most Important Community Health Issues



- Alcohol and Drug Use (50.1%)
- Mental Health and Mental Disorders (44.6%)
- Access to Affordable Health Care Services (39.3%)
- Weight Status (25.1%)

### Secondary Data



Other  
Conditions/  
Older Adults



Prevention  
&  
Safety



Heart  
Disease  
& Stroke



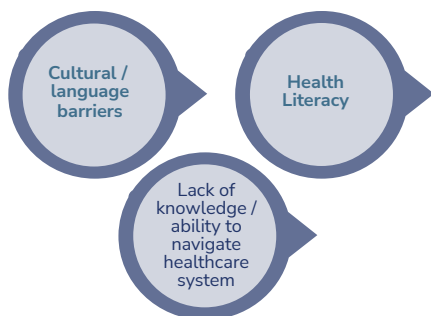
Oral  
Health



Wellness  
&  
Lifestyle

### Prioritized Health Needs

#### Access and Health Equity



#### Behavioral Health

**44.6%**  
of survey  
respondents  
identified Mental  
Health &  
Mental  
Disorders as a  
priority.

#### Chronic Disease and Wellness



Diabetes



Cancer



Heart Disease  
& Stroke



Nutrition &  
Healthy Eating

### Health Equity

Health equity focuses on the fair and just distribution of health determinants, outcomes, and resources across communities.

Systemic racism

Poverty

Gender  
discrimination

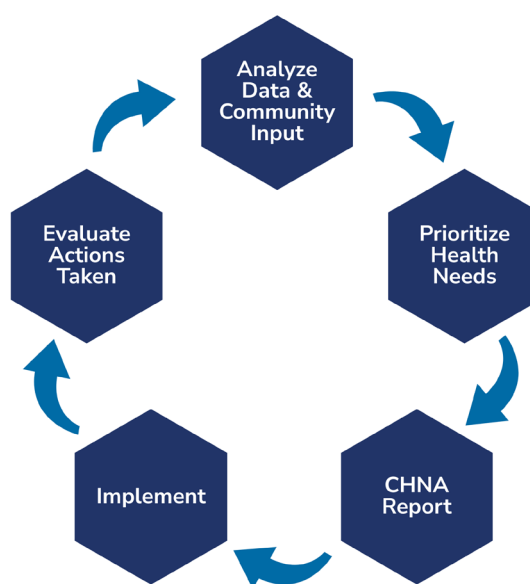
Poorer health outcomes for groups such as Black, Indigenous, People of Color, individuals living below the poverty level, and LGBTQ+ communities.

# LOOK BACK:

## EVALUATION OF PROGRESS SINCE PRIOR CHNA

The CHNA process should be viewed as a three-year cycle. An important part of that cycle is revisiting the progress made on priority topics from previous CHNAs. By reviewing the actions taken to address priority areas and evaluating the impact of these actions in the community, an organization can better focus and target its efforts during the next CHNA cycle.

### CHNA Cycle



### 2.1 PRIORITY HEALTH NEEDS FROM PRECEDING CHNA

Behavioral  
Health



Diabetes



Cancer



The Partnership built upon efforts from the previous 2019 CHNA to focus on communities and populations who disproportionately experience the prioritized health challenges identified above. Of the activities or programs implemented, the most notable are below. You can see more details in the 2019-2022 Implementation Strategy Plan/CHIP in the Appendix or on [https://www.wicomicohealth.org/wp-content/uploads/2021/11/2019-2022-CHIP-CBP\\_FY22-Update-10.28.2021.pdf](https://www.wicomicohealth.org/wp-content/uploads/2021/11/2019-2022-CHIP-CBP_FY22-Update-10.28.2021.pdf).

**2.1.1 BEHAVIORAL HEALTH**

1. Community Outreach Addictions Team (COAT): This program has been recognized by NACCHO (National Association of County and City Health Officials) as a Promising Practice. COAT hires peer support workers, individuals who have been successfully in the recovery process, to help others struggling with addiction, with the goal of linking individuals to treatment services. The program works closely with TidalHealth Peninsula Regional as well as local law enforcement. This program has proven to be an invaluable resource to the community in providing linkage to treatment and other support services to community members dealing with alcohol and substance issues. During Fiscal Year 2021, COAT served 421 individuals, linking 236 to treatment.
2. Wicomico County Opioid Intervention Team and Somerset County Opioid United Team: In accordance with the 2017 Executive Order 01.01.2017.01 issued by Governor Larry Hogan, WiCHD and SCHD each continue to coordinate a local Opioid Intervention Team (OIT) in their respective counties. Both teams include private and public partners and have the goal to identify and address opioid related needs in the community by following the state's three-pronged approach of addressing the opioid epidemic in the areas of prevention, treatment, and enforcement. The teams work collaboratively to address policy, develop education, and raise community awareness in the fight against opioid use and opioid overdoses.
3. Program to Encourage Active and Rewarding Lives (PEARLS): TidalHealth offers all patients the opportunity to participate in PEARLS. PEARLS is a one-on-one evidence-based program designed to reduce depression in physically impaired and socially isolated individuals. The program is offered in six to eight sessions over a 19-week period by a certified PEARLS Counselor. It is a participant driven program with psychiatric supervision/clinical oversight and consultation offered through MAC, Inc.
4. Salisbury-Wicomico Integrated First-Care Team: This innovative partnership to establish a mobile integrated health and community paramedicine program is proven to improve care coordination and health outcomes, reduce hospitalizations and readmissions as well as increase the use of preventive and primary care services. TidalHealth in partnership with Salisbury Fire Department enrolls patients who have utilized the 9-1-1- system more than five times in six months. The multidisciplinary team meets patients in their home, provides home assessments and connection to primary care and support for social determinants of health such as food, shelter, clothing, work-force connections, and healthcare support.
5. Smith Island Primary Care and Telemedicine Access: This initiative supports a multidisciplinary team including a medical assistant, pharmacist, nurse practitioner, and physician who travel to the remote, isolated island community to provide health screenings, primary and secondary preventive services and health education and outreach. The team goes to Smith Island twice monthly during spring, summer, and fall months.

**2.1.2 DIABETES**

1. Chronic Disease Self-Management (CDSM) Classes: TidalHealth partnered with local non-profit, MAC, Inc. to expand access to evidence-based CDSME class throughout the community.

2. TidalHealth Community Wellness Program expansion: The Community Wellness Program has expanded beyond mobile health screenings via the Wagner Wellness Van to also include community health workers (CHWs) integrated as part of a mobile multidisciplinary care coordination team. CHWs screen for social determinants of health and work with the nurse-led team to promote chronic disease self-management.
3. Sustainable Change and Lifestyle Enhancement (SCALE): SCHD collaborated with WiCHD to implement a free, evidence-based weight loss, nutrition, and physical activity program in Somerset and Wicomico Counties. This evidence-based weight loss, nutrition, and physical activity program is for women ages 18 to 55 and their children ages 7 to 17. In a group setting, health coaches guide participants through healthy eating and physical activity education and activities to achieve sustained weight loss and healthy lifestyle habits. The program also includes special group exercise, cooking demonstrations, grocery store tours, etc. From Fiscal Year 2020 to 2021, 82 adults enrolled in the program. Due to COVID-19, classes were held virtually.

### 2.1.3 CANCER

1. TidalHealth Community Wellness Program and Cancer Institute: The Community Wellness Program of the Population Health Management division of TidalHealth works in coordination with the TidalHealth Richard A. Henson Cancer Institute and local health departments to promote early detection and screening for cancer. Teams provide screening for lung cancer, colon cancer, and breast cancer. Outreach is done through events within the community as well as using electronic medical records detection in providers' offices.

## 2.2 COMMUNITY FEEDBACK FROM PRECEDING CHNA & IMPLEMENTATION PLAN

The 2019 Community Health Needs Assessment Report and Implementation Strategies were made available to the public via the TidalHealth website at <https://www.tidalhealth.org/community-outreach-partners/community-health-research-data>. The reports are also available at the front desk at TidalHealth Peninsula Regional for patients and visitors who would like a copy.

A final review of the report was completed by the Wicomico Local Health Improvement Coalition and the Healthy Somerset Local Health Improvement Coalition. Wicomico County Health Department has a phone number and email listed on their website to request additional information or provide feedback at <https://www.wicomicohealth.org/planning/reports-and-plans/>. Somerset County Health Department also made the report available on their site at [www.somersethealth.org](http://www.somersethealth.org). No comments had been received on the preceding CHNA at the time this report was written. The report is widely used by local health improvement coalitions, community-based organizations focused on health initiatives, Salisbury University, University of Maryland Eastern Shore, and others to understand the needs of the community and develop interventions to meet those needs.



## SECTION 3

# DEMOGRAPHICS

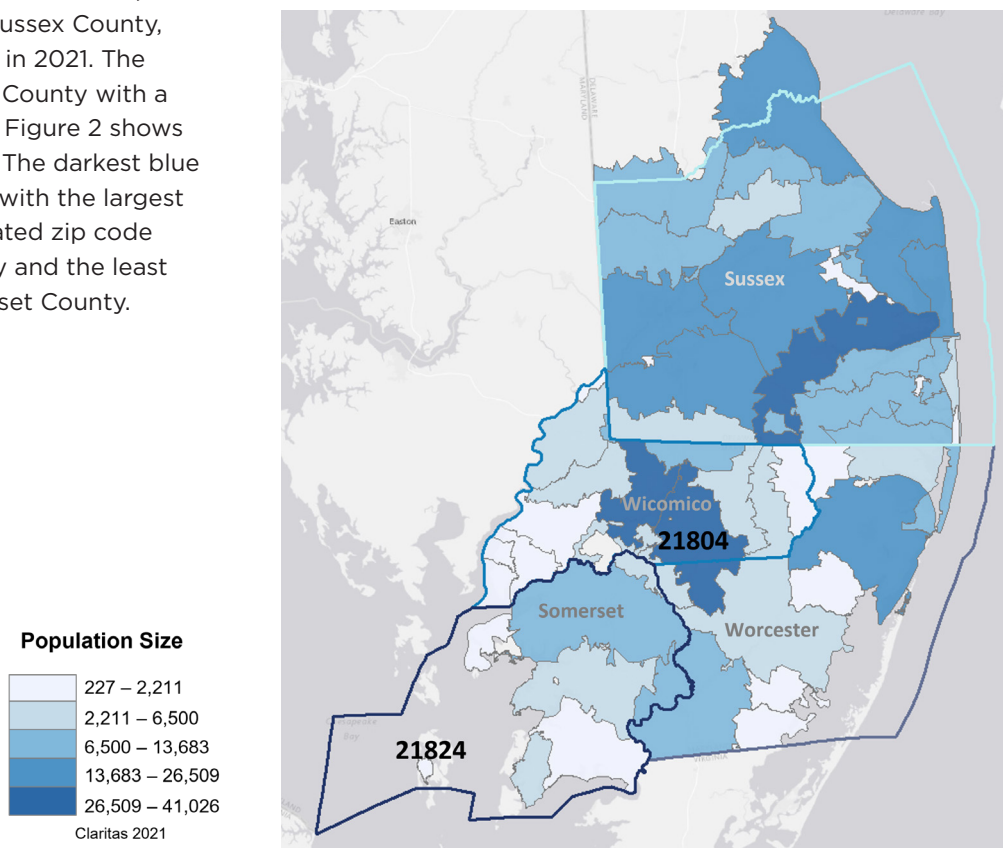
The following section explores the demographic profile of the Tri-County Region and Sussex County, DE. The demographics of a community significantly impact its health profile. Different race/ethnicity, age, and socioeconomic groups may have unique needs and require varied approaches to health improvement efforts. All demographic estimates are sourced from Claritas Pop-Facts® (2021 population estimates) and American Community Survey one-year (2019) or five-year (2015-2019) estimates unless otherwise indicated.

### 3.1 DEMOGRAPHIC PROFILE

#### 3.1.1. POPULATION

The Tri-County Region and Sussex County, DE has an estimated population size of 423,437 in 2021. The largest county is Sussex County, with a population of 241,079 in 2021. The smallest county is Somerset County with a population of 25,521 in 2021. Figure 2 shows population size by zip code. The darkest blue regions represent zip codes with the largest population. The most populated zip code is 21804 in Wicomico County and the least populated is 21824 in Somerset County.

**FIGURE 2: TRI-COUNTY REGION AND SUSSEX, DE POPULATION SIZE BY ZIP CODE**





**3.1.2 AGE**

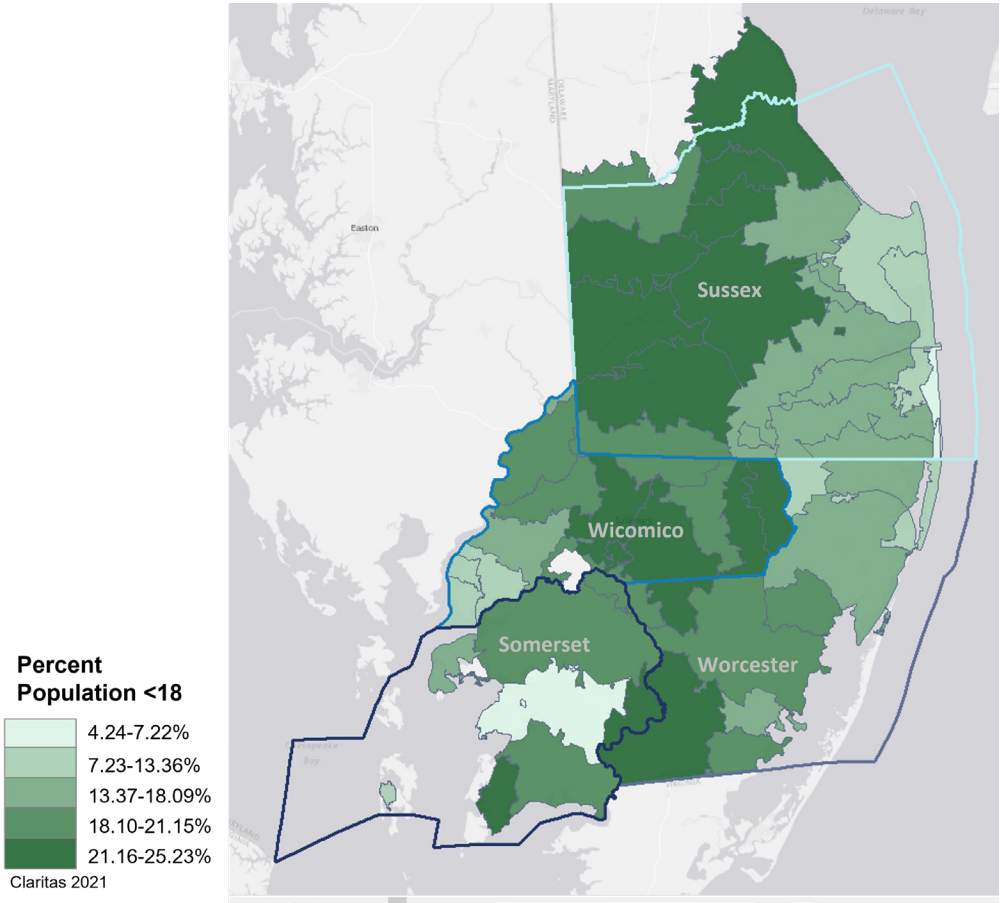
The figures below show the population by age group for zip codes within the Tri-County Region and Sussex County, DE. As shown in Figure 3, zip codes within western Sussex County and Wicomico County have a high percentage of the population that is under 18. In contrast, as shown in Figure 4, most of the population over 65 is located in eastern Sussex County and northern Worcester County.

According to the Maryland Department of Planning<sup>1</sup> and the Delaware Population Consortium<sup>2</sup>, the percentage of persons aged 65 and older is projected to increase in both states. Maryland projects that older adults will make up 21% of the state's population by 2040 (from 12% in 2010). Delaware projects that older adults will make up nearly 25% of the state's population by 2040 (from 14% in 2010). As aging brings a higher risk of chronic diseases such as dementia, heart disease and diabetes, this change will impact the health and public health systems that should be considered in long-term planning.

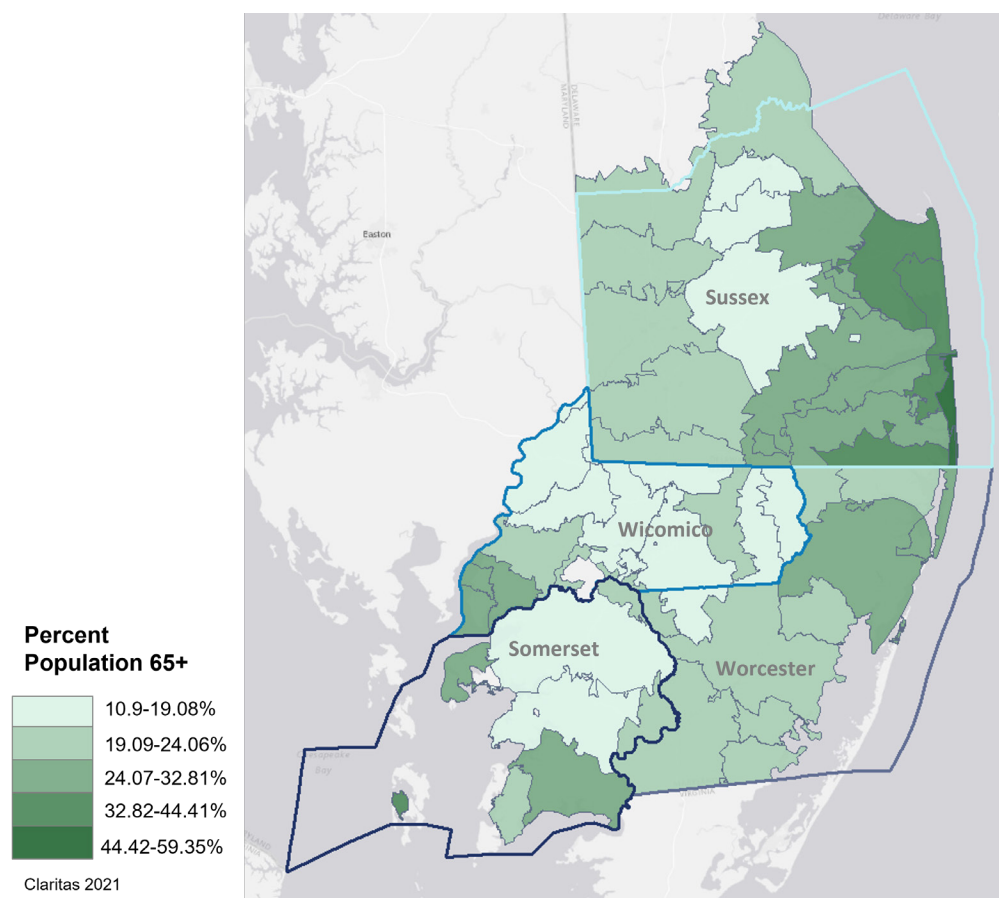
1. "Department of Planning Maryland State Data Center." Maryland State Data Center, Department of Planning, Dec. 2020, [https://planning.maryland.gov/MSDC/Pages/s3\\_projection.aspx](https://planning.maryland.gov/MSDC/Pages/s3_projection.aspx)

2. <https://stateplanning.delaware.gov/demography/documents/dpc/DPC2021v0.pdf>

**FIGURE 3: PERCENT POPULATION UNDER 18, BY ZIP CODE**



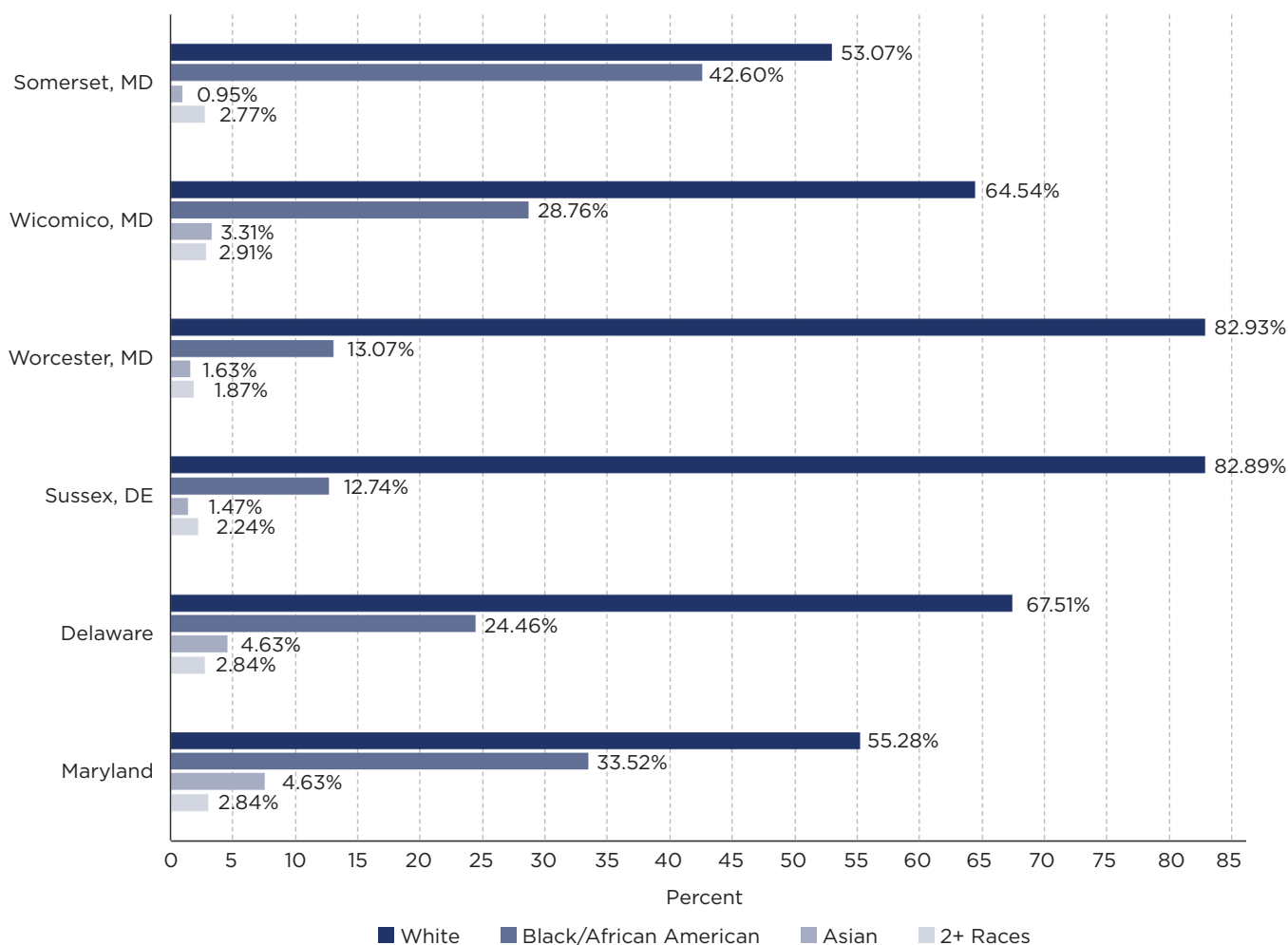


**FIGURE 4: PERCENT POPULATION OVER 65, BY ZIP CODE**

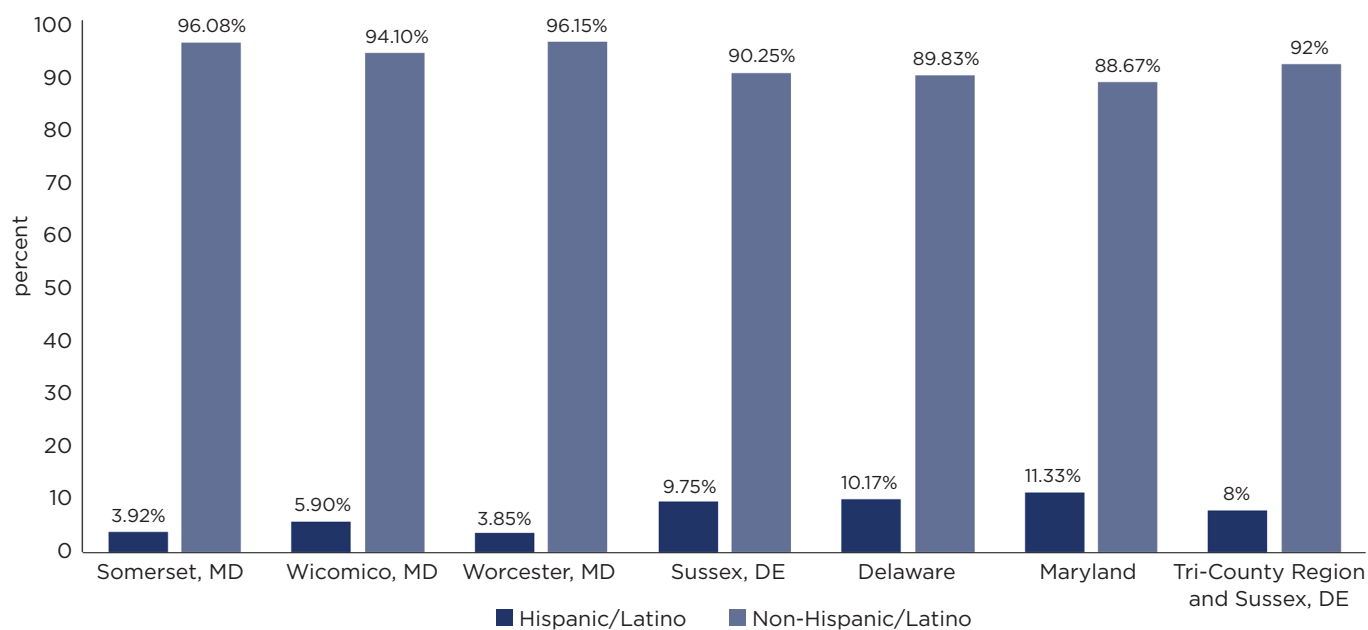
### 3.1.3 RACE AND ETHNICITY

Race and ethnicity contribute to the opportunities individuals and communities have in order to be healthy. Figures 5 and 6 show the population by race and by ethnicity of each of the four counties. All four counties are majority Non-Hispanic White with Worcester County having the highest proportion identifying as Non-Hispanic White (82.9%) and Somerset having the lowest proportion identifying as Non-Hispanic White (53.1%). Hispanics or Latinos compose between 3.9% and 9.8% of each county's population; Sussex County has the highest proportions of Hispanic or Latino populations at 9.8%. The proportion of Non-Hispanic Asian individuals in each county ranges from 1.0% in Somerset to 3.3% in Wicomico. The Non-Hispanic Black or African American population composes between 13.1% of the population in Worcester to 42.6% in Somerset. The proportion of the population identifying as two or more races also ranges from 1.9% in Worcester to 2.9% in Wicomico.

**FIGURE 5: POPULATION BY RACE**



**FIGURE 6: POPULATION BY ETHNICITY**

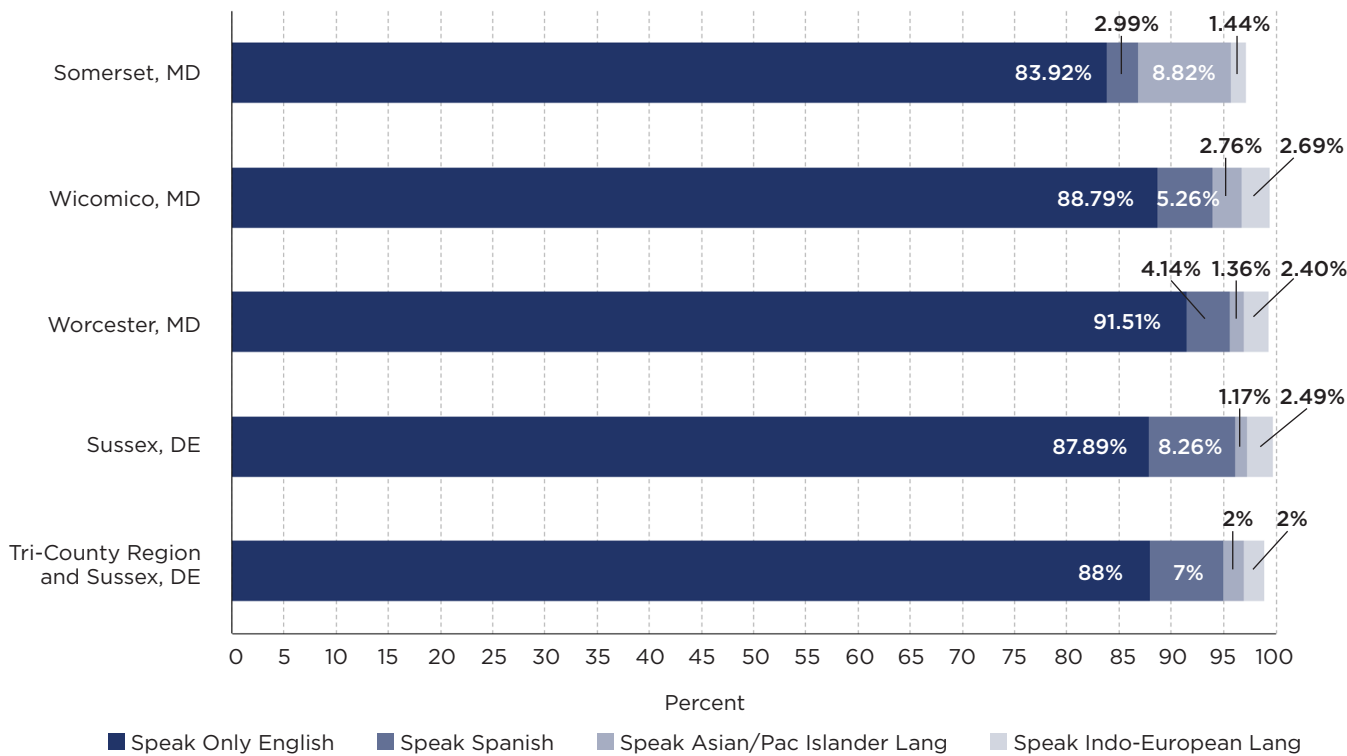


**3.1.4 LANGUAGE AND IMMIGRATION**

Understanding countries of origin and languages spoken at home can help inform the cultural and linguistic context for the health and public health system. About 11.7% of the Tri-County Region and Sussex County, DE population ages five and older speak a language other than English at home, which is lower than Delaware and Maryland state averages of 14.8% and 19.6%, respectively. The most common languages spoken at home for the service area is English (88.3%) and Spanish (6.7%).

Figure 7 below shows the percentage of the population five and older in each county and languages spoken at home. Somerset, MD, has the lowest percentage of the population five and older who speak only English at home (83.9%) and the largest percent of the population who speak an Asian or Pacific Islander language at home (8.8%). Sussex County, DE, has the highest percent of the population that speaks Spanish at home (8.3%) compared to the counties within the Tri-County Region and Sussex County, DE.

**FIGURE 7. LANGUAGE SPOKEN AT HOME**



# SOCIAL & ECONOMIC DETERMINANTS OF HEALTH

This section explores the economic, environmental, and social determinants of health of the Tri-County Region and Sussex County, DE and its 66 zip codes. Social determinants are the conditions in which people are born, grow, work, live, and age, and the wider set of forces and systems shaping the conditions of daily life. It should be noted that county-level data can sometimes mask what could be going on at the zip code level in many communities. While indicators may be strong at the county level, zip code level analysis can reveal disparities.

## 4.1 INCOME

Income has been shown to be strongly associated with morbidity and mortality, influencing health through various clinical, behavioral, social, and environmental factors. Those with greater wealth are more likely to have higher life expectancy and reduced risk of a range of health conditions including heart disease, diabetes, obesity, and stroke. Poor health can also contribute to reduced income by limiting one's ability to work.

Figure 8 shows the Median Household Income of each county compared to both Maryland and Delaware state values. As shown, all counties are below Maryland's median household income of \$90,160. Worcester, MD, has the highest median household income of \$68,939. Somerset, MD, has the lowest median household income of \$48,094.

FIGURE 8: MEDIAN HOUSEHOLD INCOME

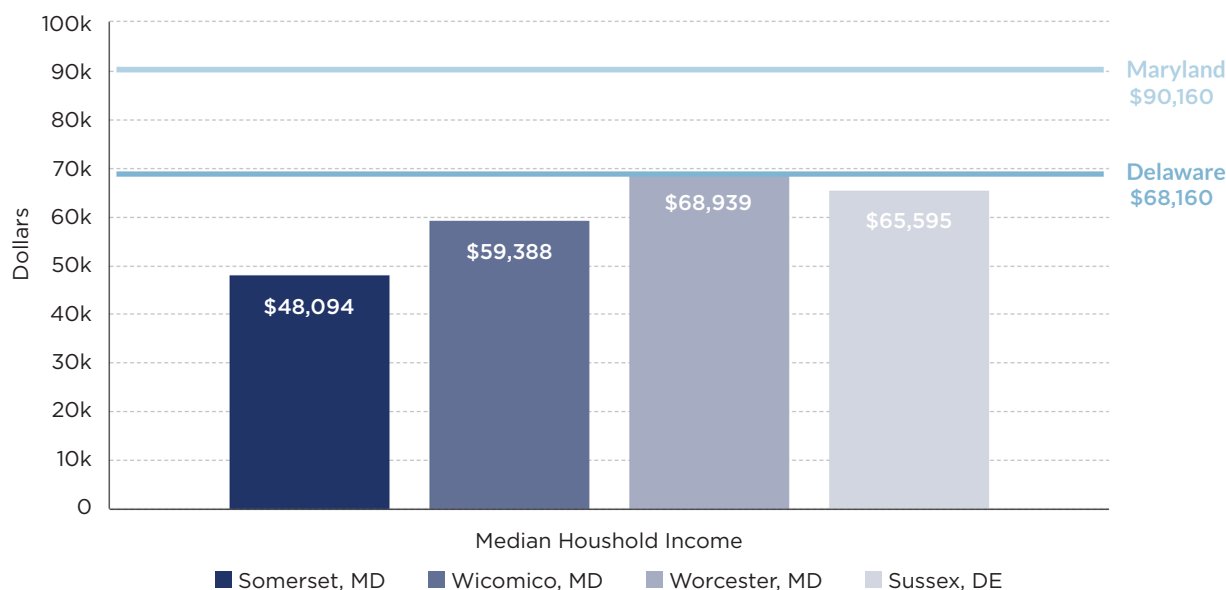
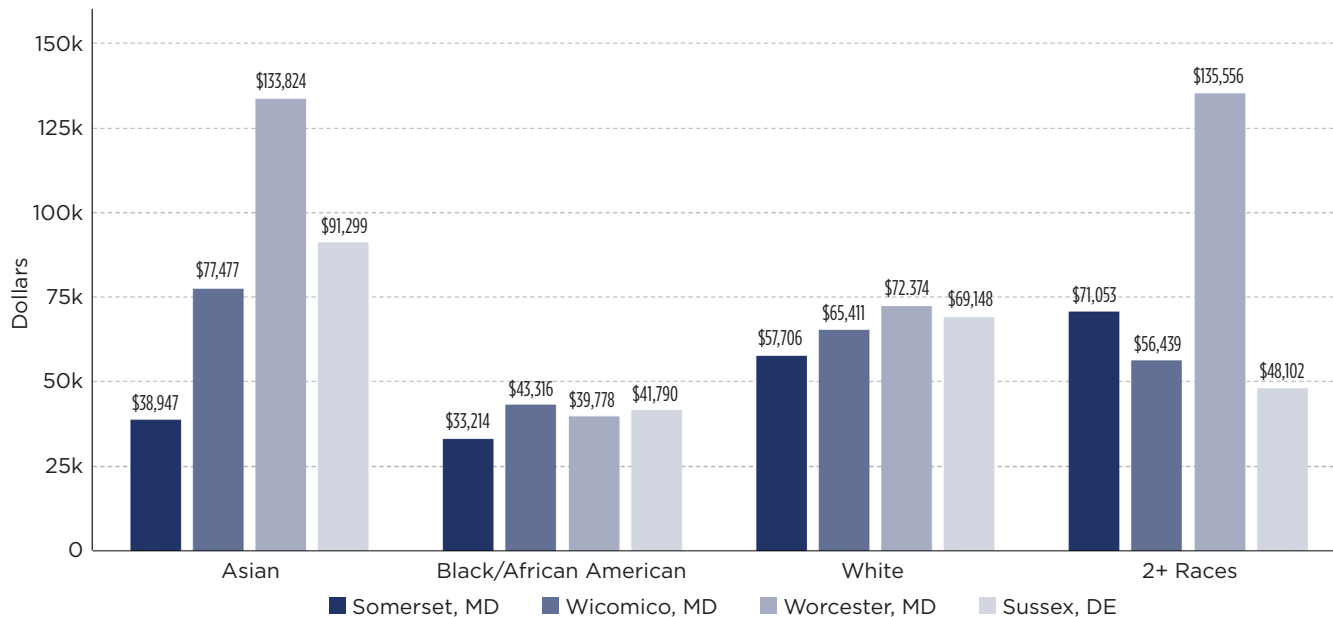
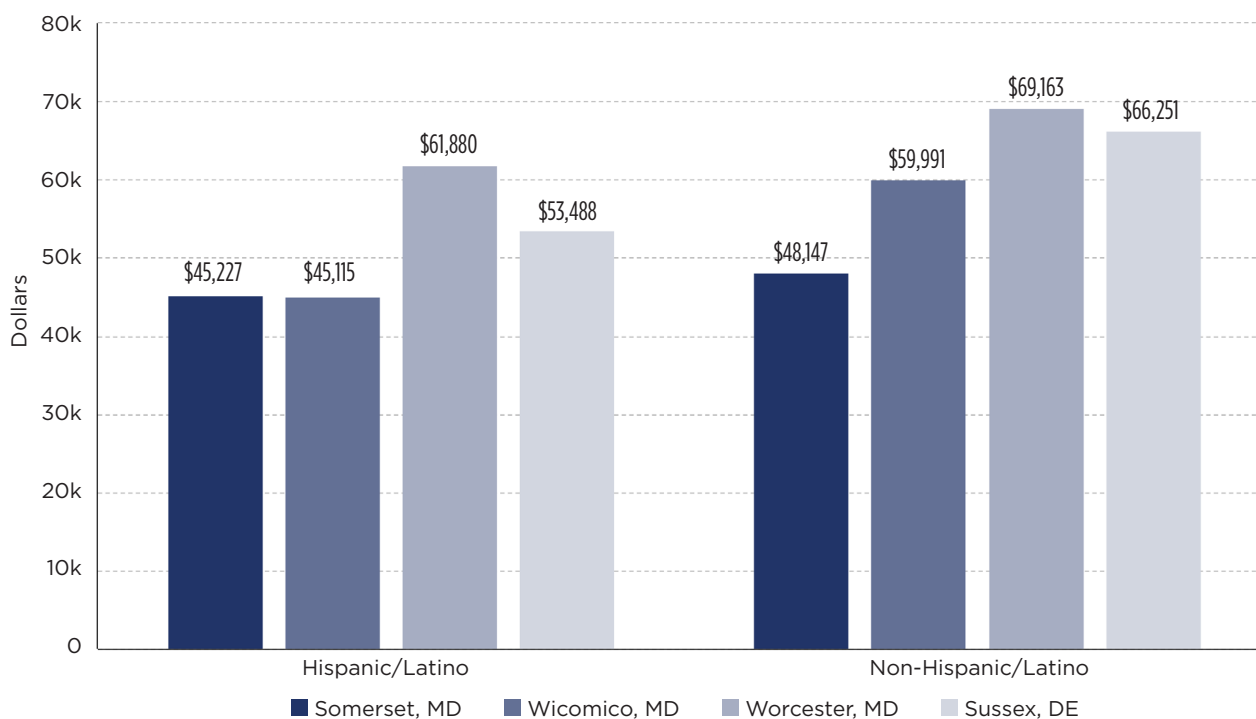


Figure 9 and Figure 10 below show the Median Household Incomes for each county by race and ethnicity, respectively. As shown, there is variation in median income by race and ethnicity for the Tri-County Region and Sussex County, DE. For all counties, Black or African American households have the lowest median household incomes than other racial groups. In Worcester, MD, Black or African American households make only 57% of the overall county median household income (\$39,778 compared to \$68,939). In general, Non-Hispanic/Latino households have higher median incomes than Hispanic/Latino households.

**FIGURE 9: MEDIAN HOUSEHOLD INCOME BY RACE****FIGURE 10: MEDIAN HOUSEHOLD INCOME BY ETHNICITY**

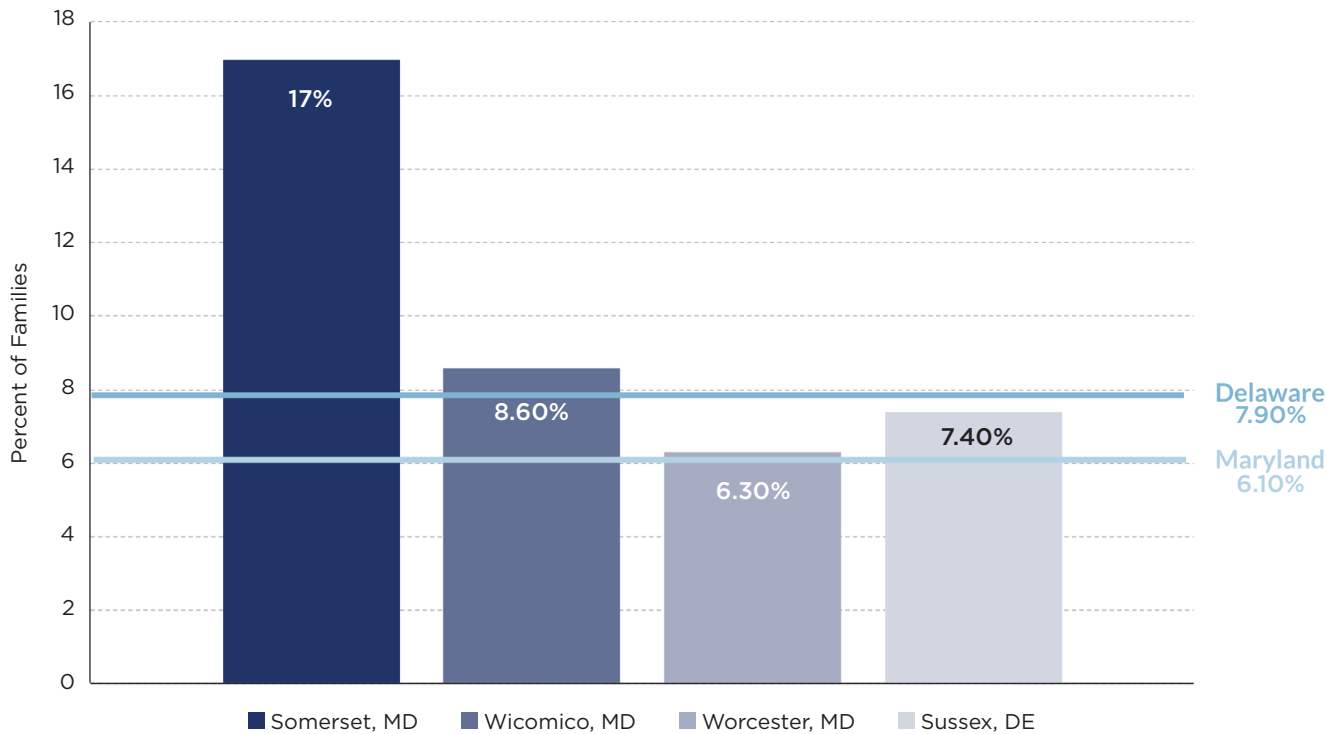
Claritas Pop-Facts, 2021

**4.2 POVERTY**

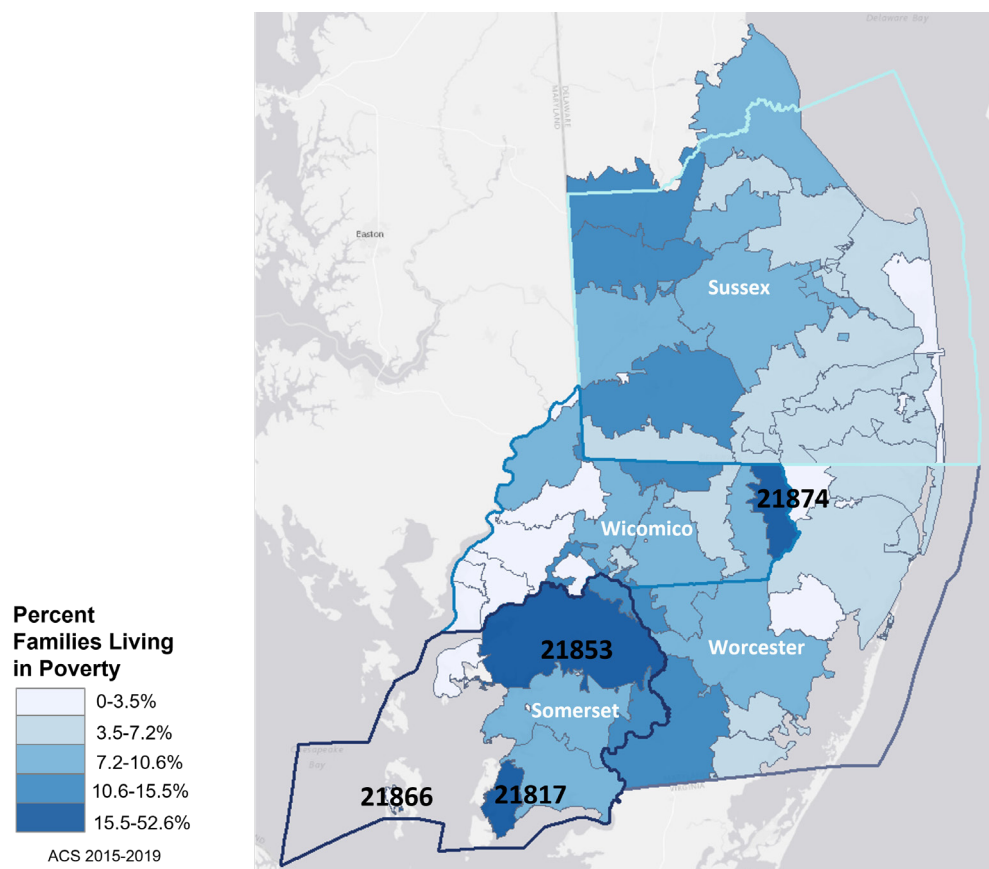
Federal poverty thresholds are set every year by the U.S. Census Bureau and vary by size of family and ages of family members. People living in poverty are less likely to have access to healthcare, healthy food, stable housing, and opportunities for physical activity. These disparities mean people living in poverty are more likely to experience poorer health outcomes and premature death from preventable diseases.

Figure 11 shows the Percentage of Families Living Below Poverty Level by county while Figure 12 shows the Percentage of Families Living Below Poverty Level by zip code. Overall, Somerset, MD, has the highest percentage of families living below poverty (17%) while Worcester, MD, has the lowest percentage (6.3%). In Figure 12 below, the four zip codes with the highest percentage of families living below poverty are seen in the darkest blue color. These zip codes are 21817, 21866, and 21853 in Somerset, MD, and 21874 in Wicomico, MD.

**FIGURE 11: FAMILIES LIVING BELOW POVERTY LEVEL BY COUNTY**



ACS, 2015-2019

**FIGURE 12: FAMILIES LIVING BELOW POVERTY BY ZIP CODE**

### 4.3 EMPLOYMENT

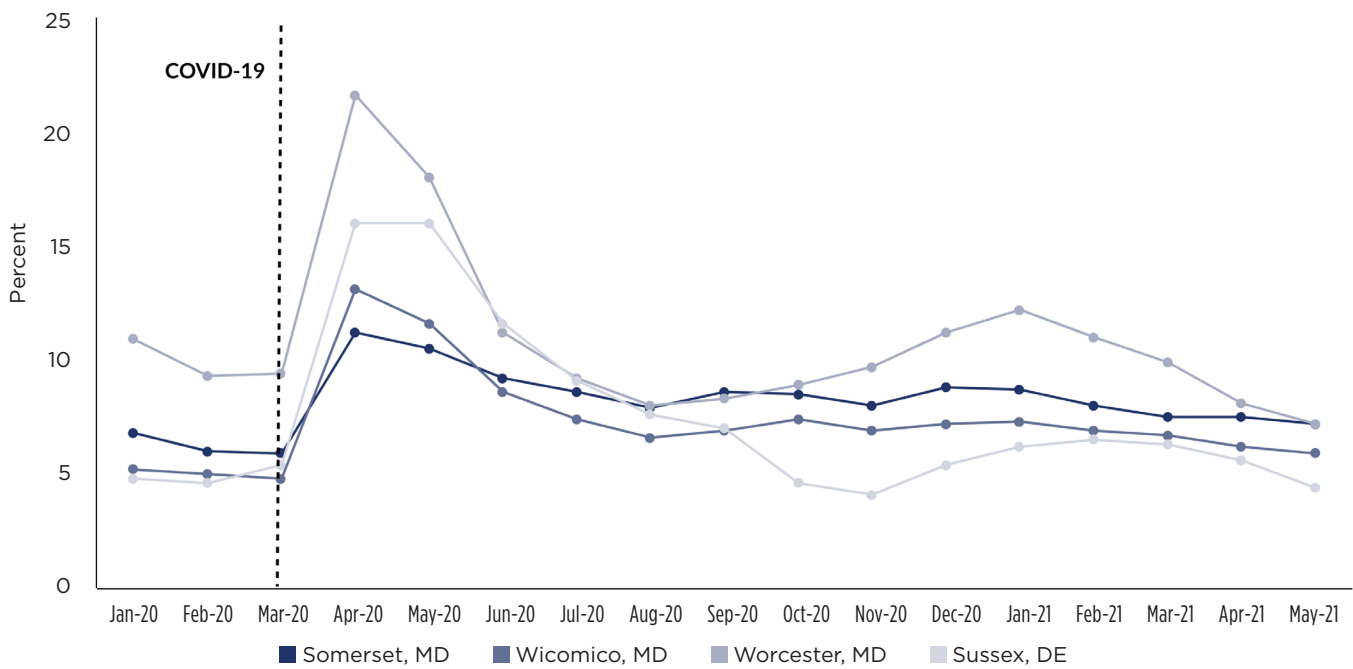
A community's employment rate is a key indicator of the local economy. An individual's type and level of employment impacts access to healthcare, work environment, and health behaviors and outcomes. Stable employment can help provide benefits and conditions for maintaining good health. In contrast, poor or unstable work and working conditions are linked to poor physical and mental health outcomes.

Unemployment and underemployment can limit access to health insurance coverage and preventive care services. Underemployment is described as involuntary part-time employment, poverty-wage employment, and insecure employment.

Type of employment and working conditions can also have significant impacts on health. Work-related stress, injury, and exposure to harmful chemicals are examples of ways employment can lead to poorer health.

Figure 13 shows the Unemployment Rate, according to the U.S. Bureau of Labor Statistics (2021), for each county within the Tri-County Region and Sussex County, DE from October 2019 to May 2021. Noted in the chart is when COVID-19 stay-at-home orders began (around March 2020). Unemployment rates rose after the start of the pandemic and have dropped since, but unemployment will continue to be an issue as the economy recovers.

**FIGURE 13. UNEMPLOYMENT RATE (POPULATION 16+)**



U.S. Bureau of Labor Statistics

Employment and wage potential can be limited based on an individual's education status, gender identity, race/ethnicity, and sexual orientation. As shown in Figure 14, there is a wage gap between women and men in the Tri-County Region and Sussex County, DE. Wicomico, MD, has the largest wage gap, with women earning 70.9% of their male counterparts. Somerset, MD, has the smallest wage gap, with women earning 87% of their male counterparts. Although the data is not available by race/ethnicity for each county, national trends suggest that this wage gap persists and is most likely worsened by racial or ethnic identity.

**FIGURE 14. WAGE GAPS FOR WORKING WOMEN**



ACS, 2015-2019

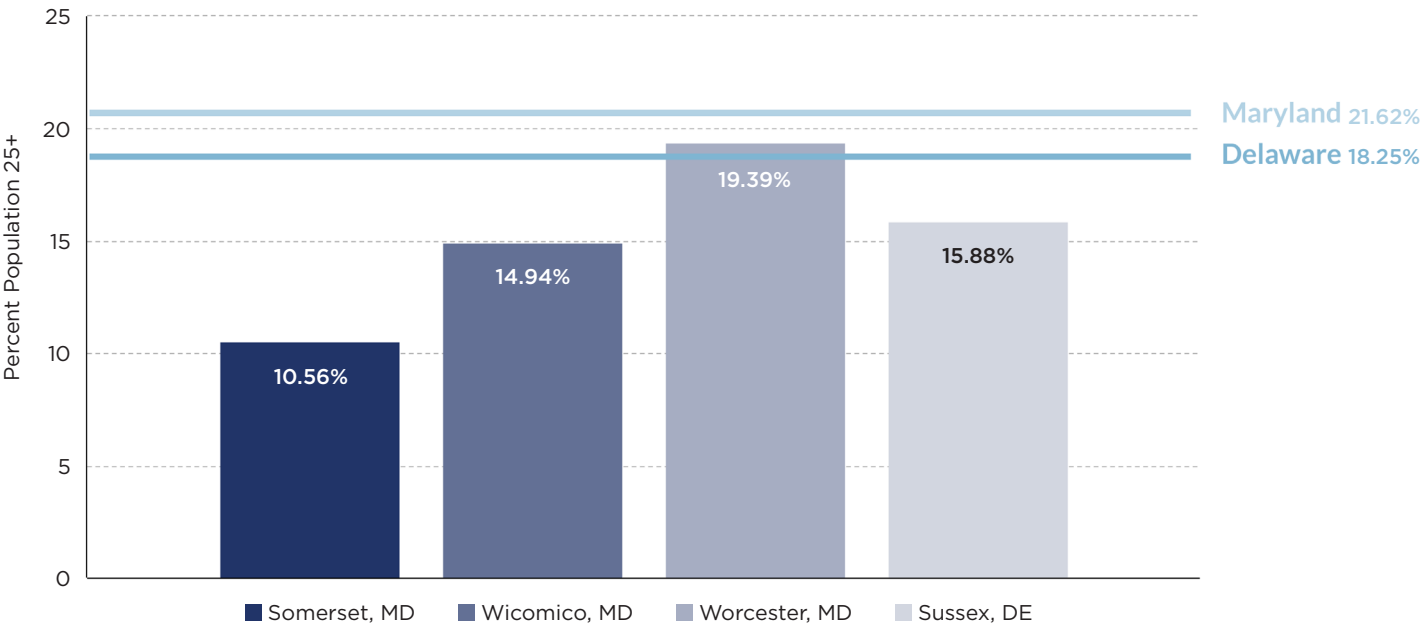


**4.4 EDUCATION**

Education is an important indicator of health and well-being across the lifespan. Education can lead to improved health by increasing health knowledge, providing better job opportunities and higher income, and improving social and psychological factors linked to health. People with higher levels of education are likely to live longer, experience better health outcomes, and practice health-promoting behaviors.

Figure 15 shows the Percent of the Population 25 and Older who have a Bachelor's Degree for each county compared to both Maryland and Delaware state. Somerset, MD, has the lowest percentage of the population 25 and older with a bachelor's degree (10.6%), while Worcester, MD, has the highest percentage at 19.4%.

**FIGURE 15. POPULATION 25+ WITH A BACHELOR'S DEGREE**

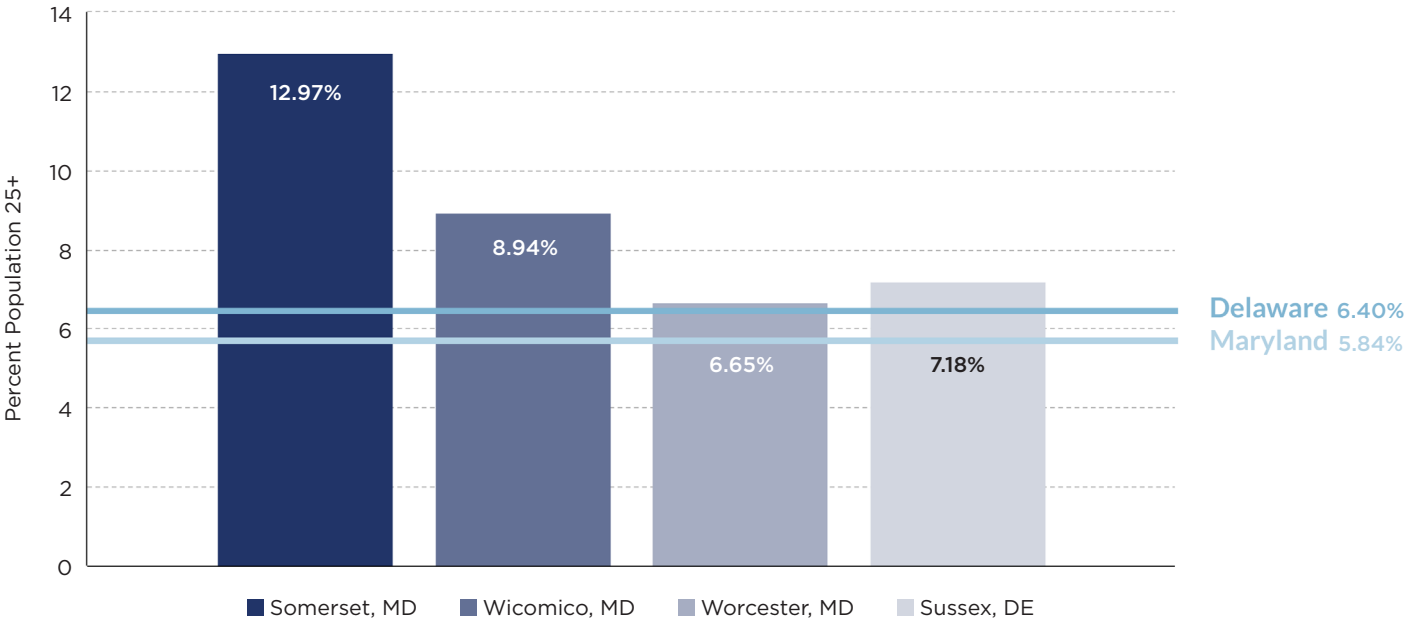


Claritas Pop-Facts, 2021

Another indicator related to education is on-time high school graduation. A high school diploma is a requirement for many employment opportunities and for higher education. Not graduating high school is linked to a variety of negative health impacts, including limited employment prospects, low wages, and poverty.

Figure 16 shows the Percent of the Population 25 and Older who have some High School Education but No Diploma. Somerset, MD, has the highest percentage of the population 25 and older without a high school diploma (13.0%) compared to other counties within the Tri-County Region and Sussex County, DE.

FIGURE 16. POPULATION 25+ WITH SOME HIGH SCHOOL EDUCATION, NO DIPLOMA



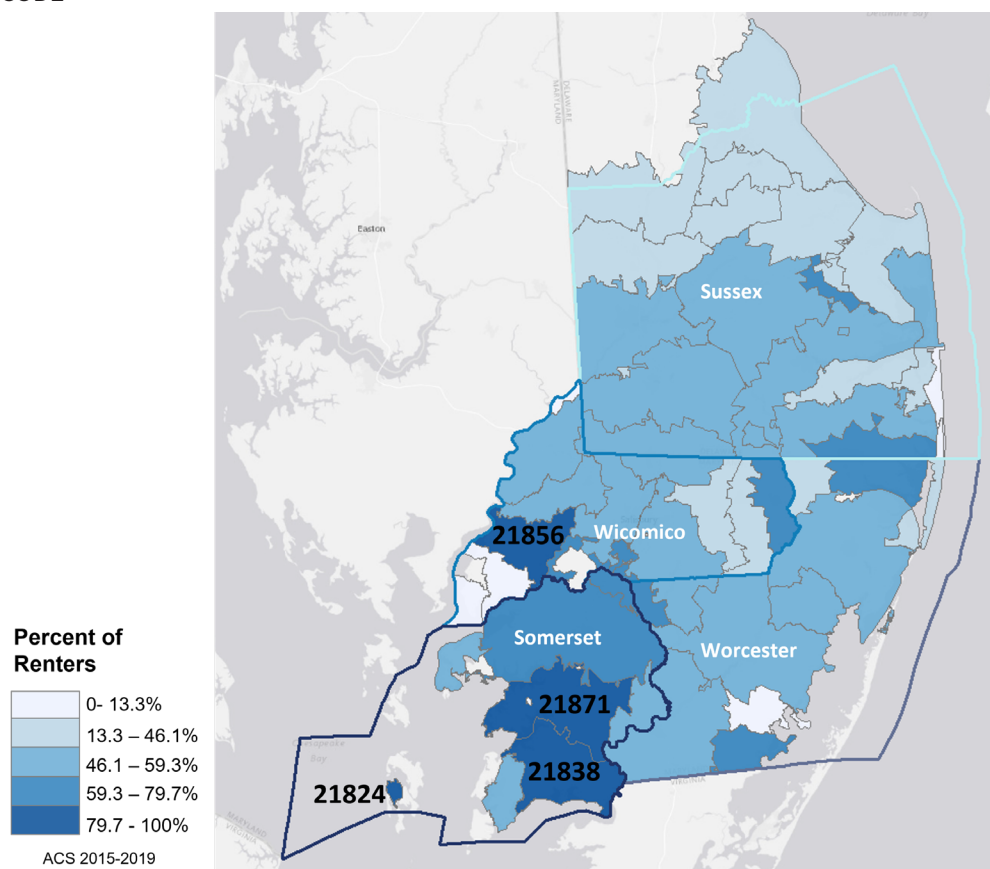
Claritas Pop-Facts, 2021

#### 4.5 HOUSING

Safe, stable, and affordable housing provides a critical foundation for health and well-being. Exposure to health hazards and toxins in the home can cause significant damage to an individual or family's health. When families must spend a large part of their income on housing, they may not have enough money to pay for things like healthy food or healthcare. This is linked to increased stress, mental health problems, and an increased risk of disease.

As shown in Figure 17, many renters living within Wicomico and Somerset counties spend 30% or more of their household income on rent. In some zip codes, such as 21824, 21838, 21856, 21864, and 21853, this is estimated to be over three-quarters of renters. As indicated by the primary data collected during the CHNA process, housing costs and affordability may have been impacted by COVID-19 in these communities. Therefore, the Percent of Renters Spending 30% or More of their Household Income on Rent may have increased since 2019 for all communities.

**FIGURE 17. RENTERS SPENDING 30% OR MORE OF HOUSEHOLD INCOME ON RENT BY ZIP CODE**



# DISPARITIES AND HEALTH EQUITY

Identifying disparities by race/ethnicity, gender, age, and geography helps to inform and focus priorities and strategies. Understanding disparities also helps us better understand root causes that impact health in a community and inform action towards health equity. Health equity focuses on the fair distribution of health determinants, outcomes and resources across communities. National trends have shown that systemic racism, poverty, and gender discrimination have led to poorer health outcomes for groups such as Black, Indigenous, or People of Color, individuals living below the poverty level, and LGBTQ+ communities.

Primary and secondary data revealed significant community health disparities based on race/ethnicity, particularly among the Black and Hispanic communities. The assessment also found zip codes with disparities related to health and social determinants of health. It is important to note that while much of the data is presented to show differences and disparities of data by population groups, differences within each population group can be as great as differences between different groups. For instance, Asian or Asian and Pacific Islander encompasses individuals from over 40 different countries with very different languages, cultures, and history in the United States. Information and themes captured through focus groups, key informant interviews, and a community survey have been shared to provide a more comprehensive and nuanced understanding of each community's experiences. This report includes information drawn from all aspects including both quantitative and qualitative data, analysis of health and social determinants collected through interviews, focus group discussions, and an online community survey. The HCI team used a variety of methodologies to analyze data and provide findings that can inform decision-makers and advocates working toward creating more equity, access, and quality within healthcare.

## 5.1 DISPARITIES BY RACE AND ETHNICITY

Community health disparities were assessed in both the primary and secondary data collection processes. Table 1 below identifies notable secondary data health indicators with a statistically significant disparity for any of the counties within the Tri-County Region and Sussex County, DE. A complete list can be found in Appendix A.

**TABLE 1. INDICATORS WITH SIGNIFICANT RACE/ETHNIC DISPARITIES**

HEALTH INDICATOR	GROUP(S) NEGATIVELY IMPACTED
People 65+ Living Below Poverty Level	Black/African American, Hispanic/Latino, Other Race
Workers who Walk to Work	Black/African American, Hispanic/Latino
Families Living Below Poverty Level	Black/African American, Hispanic/Latino, Two or More Races, Other Race, American Indian/Alaskan Native
Teen Birth Rate: 15-19	Black/African American
Children Living Below Poverty	Hispanic/Latino, Other Race, Two or More Races

The indicators listed in Table 1 above show a statistically significant difference for race or ethnic groups according to the Index of Disparity analysis. Black or African American and Hispanic/Latino populations were identified as the most negatively impacted groups. Both groups show significant disparities in four of the five listed indicators. These disparities will be considered during implementation planning to improve overall health and wellbeing in the Tri-County Region and Sussex County, DE.

Focus groups and key informant interviews identified the following groups as those struggling more with social determinants of health and potentially experiencing worse health outcomes: families living on a low income, Black or African American populations, Hispanic/Latino populations, Haitian population, and immigrant populations. Additionally, older adults and children were identified as groups challenged with accessing healthcare services and providers. Specifically, a lack of pediatric and specialty care providers was frequently mentioned. Transportation was consistently raised as a major barrier to accessing services for these populations, especially in rural regions.

## 5.2 INDEX OF DISPARITY (IOD)

The Index of Disparity (IoD)<sup>3</sup> identified large disparities based on how far each subgroup (by race/ethnicity or gender) is from the overall county value. For this analysis, indicators with a high disparity were identified and, when available, IoD values were tracked over time to show if progress has been made to address those disparities. These findings are shown alongside relevant secondary data throughout this report. For more information about IoD methodology, see the Index of Disparity section in Appendix A.

3. Percy, Jeffrey, and Kenneth Keppel. *A Summary Measure of Health Disparity*. Public Health Reports, June 2002.

## 5.3 GEOGRAPHIC DISPARITIES

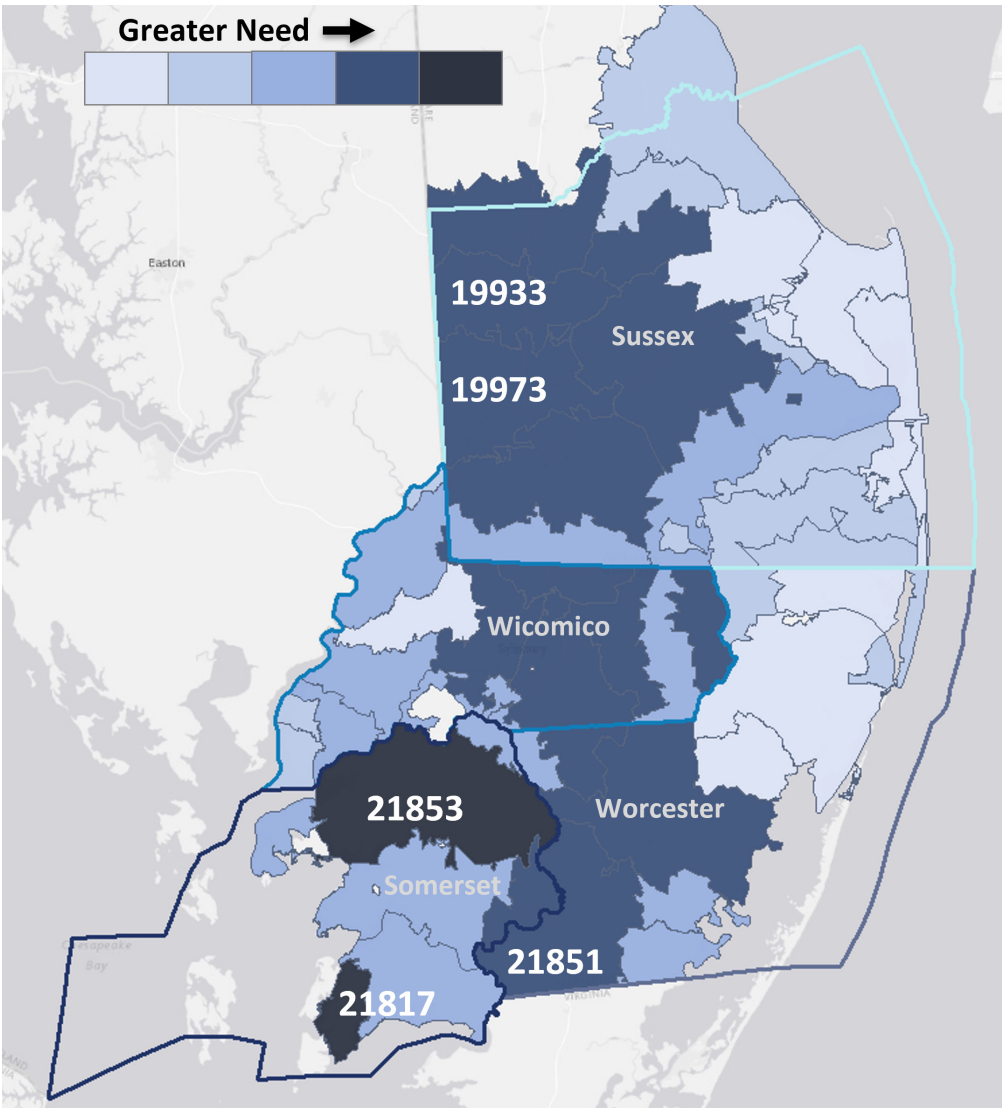
Geographic disparities were identified using the Health Equity Index and Food Insecurity Index. These indices have been developed by Conduent Healthy Communities Institute to easily identify areas of high socioeconomic need or food insecurity. Conduent's Health Equity Index estimates areas of highest socioeconomic need correlated with poor health outcomes. Conduent's Food Insecurity Index estimates areas of low food accessibility correlated with social and economic hardship. For both indices, counties, zip codes, and census tracts with populations

over 300 are assigned index values ranging from zero to 100, where higher values are estimated to highest need, critical to targeting prevention and outreach activities.

**5.3.1 HEALTH EQUITY INDEX**

Conduent’s Health Equity Index (HEI) estimates areas of highest socioeconomic need correlated with poor health outcomes. In the HEI, zip codes are ranked based on their index value to identify the relative levels of need, as illustrated by the map in Figure 18. According to the 2021 index, the following zip codes had the highest level of socioeconomic need (as indicated by the darkest shades of blue): 21853 (Somerset, MD) and 21817 (Somerset, MD). Table 2 provides the index values for each top need zip code. See Appendix A for more detailed methodology for the calculation of Health Equity Index values.

**FIGURE 18: HEALTH EQUITY INDEX**

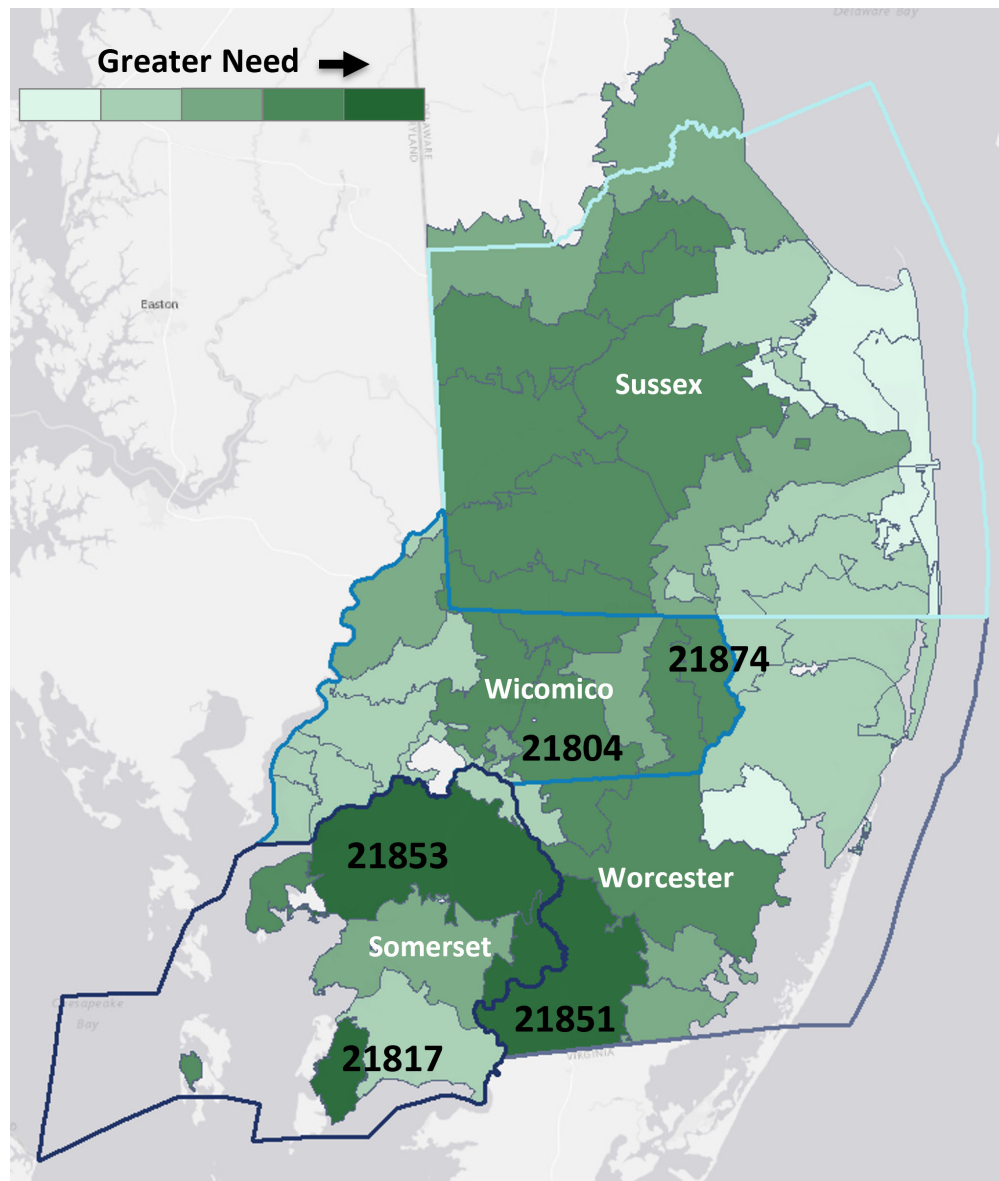


**TABLE 2. HEALTH EQUITY INDEX VALUES BY ZIP CODE**

ZIP CODE	RANK	HEI VALUE	COUNTY
21853	5	90.2	Somerset, MD
21817	5	88.6	Somerset, MD
19933	4	76.0	Sussex, DE
21851	4	73.1	Worcester, MD
19973	4	69.5	Sussex, DE

### 5.3.2 FOOD INSECURITY INDEX

Conduent's Food Insecurity Index (FII) estimates areas of low food accessibility correlated with social and economic hardship. In this index, zip codes are ranked based on their index value to identify the relative levels of need, as illustrated by the map in Figure 19. According to the 2020 FII, the following zip codes have the highest level of food insecurity (as indicated by the darkest shades of green): 21817 (Somerset, MD), 21851 (Worcester, MD), and 21853 (Somerset, MD). Table 3 provides the index values for high needs zip codes. See Appendix A for a more detailed FII methodology.

**FIGURE 19. FOOD INSECURITY INDEX****TABLE 3. FOOD INSECURITY INDEX VALUES BY ZIP CODE**

ZIP CODE	RANK	FII VALUE	COUNTY
21817	5	89.1	Somerset, MD
21851	5	86.5	Worcester, MD
21851	5	86.4	Somerset, MD
21874	4	72.0	Wicomico, MD
21804	4	69.4	Wicomico, MD



**5.4 FUTURE CONSIDERATIONS**

While identifying barriers and disparities are critical components in assessing the needs of a community, it is also important to understand the social determinants of health and other upstream factors that influence a community's health as well. The challenges and barriers faced by a community must be balanced by identifying practical, community-driven solutions. Together, these factors come together to inform and focus strategies to positively impact a community's health. The following outlines opportunities for on-going work as well as potential for future impact.

The Partnership and a coalition of community-based stakeholders was awarded \$1.2 million through the Maryland Community Health Resources Commission Pathways to Health Equity grant to support the Rural Equity and Access to Community Health (REACH) project. The project is a two-year pilot with the potential for another five years of funding to become a sustainable Health Equity Resource Community as defined by the Maryland Health Equity Resource Act approved during the 2021 state legislative session. This new funding ensures resources for local communities to address health disparities, improve health outcomes, expand access to primary care and prevention services, and help reduce healthcare costs. The REACH Project will specifically address disparities in diabetes and hypertension experienced by the Black and Haitian population on the Lower Eastern Shore. Key interventions will occur at the individual, community and system levels and include expansion of mobile integrated health, connections with primary care, expansion of culturally and linguistically appropriate evidence-based diabetes programming and deployment of community health workers.

# METHODOLOGY AND KEY FINDINGS



## 6.1 OVERVIEW

The Partnership combined primary and secondary data to inform its Community Health Needs Assessment (CHNA). The CHNA provides an understanding of the health status, quality of life, and risk factors of a community through findings from secondary data analysis and qualitative data collection. The themes and strengths provide insights about what topics and issues community members feel are important, how they perceive their quality of life, and what assets they believe can be used to improve health. Findings from both primary and secondary data helped to inform the top community health needs. Each type of data was analyzed using a defined methodology. Primary data was obtained through a community survey, focus groups, and key informant interviews. Secondary data are health indicator data that have been collected by other sources, such as national and state level government entities, and made available for analysis.

## 6.2 SECONDARY DATA FINDINGS

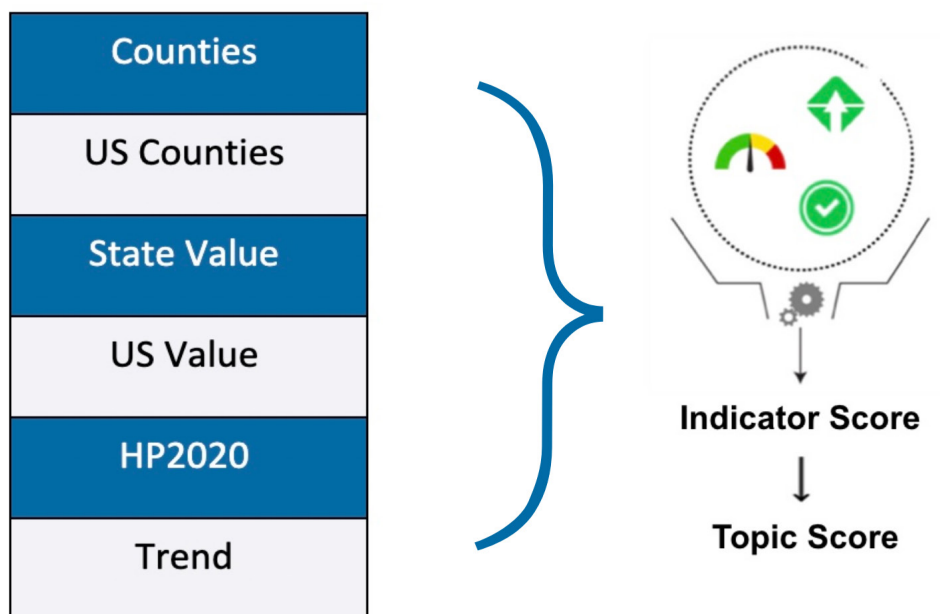


TABLE 4: SECONDARY DATA SCORING RESULTS (WEIGHTED)

Health and Quality of Life Topics	Score
Other Conditions	1.90
Prevention & Safety	1.84
Heart Disease & Stroke	1.78
Oral Health	1.71
Wellness & Lifestyle	1.70
Alcohol & Drug Use	1.63
Older Adults	1.58
Physical Activity	1.55
Health Care Access & Quality	1.51
Community	1.51
Adolescent Health	1.49
Environmental Health	1.48
Diabetes	1.47
Mental Health & Mental Disorders	1.43

Secondary data used for this assessment were collected and analyzed with the Conduent Healthy Communities Institute (HCI) Community Dashboard — a web-based community health platform developed by Conduent Community Health Solutions. The Community Dashboard brings data, local resources, and a wealth of information to one accessible, user-friendly location. It includes over 250 community indicators covering more than 25 topics in the areas of health, determinants of health, and quality of life. The data are primarily derived from state and national public secondary data sources. The value for each of these indicators is compared to other communities, nationally or locally set targets, and to previous time periods.

HCI's Data Scoring Tool was used to systematically summarize multiple comparisons across the Community Dashboard and rank indicators based on highest need. This was done separately for each county within the Tri-County Region and Sussex County, DE. For each indicator, the county value was compared to a distribution of either Maryland or Delaware counties, US counties, state and national values, Healthy People 2030, and significant trends. Each indicator was then given a score based on the available comparisons. These scores range from 0 to 3, where 0 indicates the best outcome and 3 the worst. Availability of each type of comparison varies by indicator and is dependent upon the data source, comparability with data collected from other communities, and changes in methodology over time. These indicators were grouped into topic areas for a higher-level ranking of community health needs.

A weighted analysis of the results was performed to determine the top health needs for the entire Tri-County Region and Sussex County, DE service area. The weighted analysis was conducted using the individual county results and the total population of each county as compared to the combined population of the service area.

Table 4 shows the health and quality of life weighted topic scoring results. Topics that score close to or above a 1.50 are considered high need. Health topic areas with fewer than three indicators were considered a data gap. Data gaps were

specifically assessed as a part of the key informant interviews to ensure that, where the secondary data fell short, primary data could provide a more accurate picture of that particular health topic area.

The analysis of national, state, and local indicators that contributed to the CHNA can be reviewed in full in Appendix A.

### **6.3 PRIMARY DATA COLLECTION & ANALYSIS**

To ensure the perspectives of community members were considered, input was collected from all four counties in the Tri-County Region and Sussex County, DE. Primary data used in this assessment consisted of an online community survey, focus groups, and key informant interviews. The findings from this data expanded upon information gathered from the secondary data analysis to inform this Community Health Needs Assessment.

As the assessment was conducted during the COVID-19 pandemic, primary data collection methods were managed in a way to maintain social distancing and protect the safety of participants by eliminating in-person data collection.

To help inform an assessment of community assets, community members were asked to list and describe resources available in the community. Although not reflective of every resource available in the community, the list can help The Partnership to expand and support existing programs and resources. This resource list is available in Appendix C.

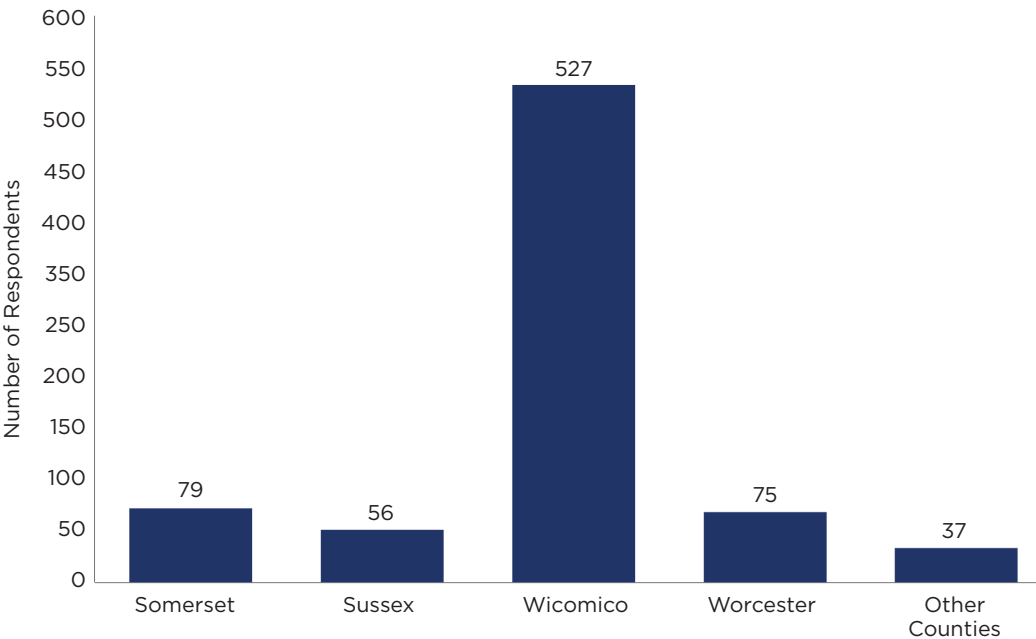
#### **6.3.1 COMMUNITY SURVEY**

Community input was collected via an online community survey available in English and Spanish, as well as paper copies available in Arabic, Creole, Korean, and Portuguese, from August 2021 through November 2021. The survey consisted of 45 questions related to top health needs in the community, individuals' perception of their overall health, individuals' access to healthcare services, as well as social and economic determinants of health. The survey was shared via health departments' websites, social media, email distribution, and other local community partners. Paper copies were also distributed at several community outreach events, local libraries, and directly to patients at TidalHealth via Community Health Workers or Care Coordination Specialists. A total of 774 responses were collected.

#### **Demographics of Community Survey Respondents**

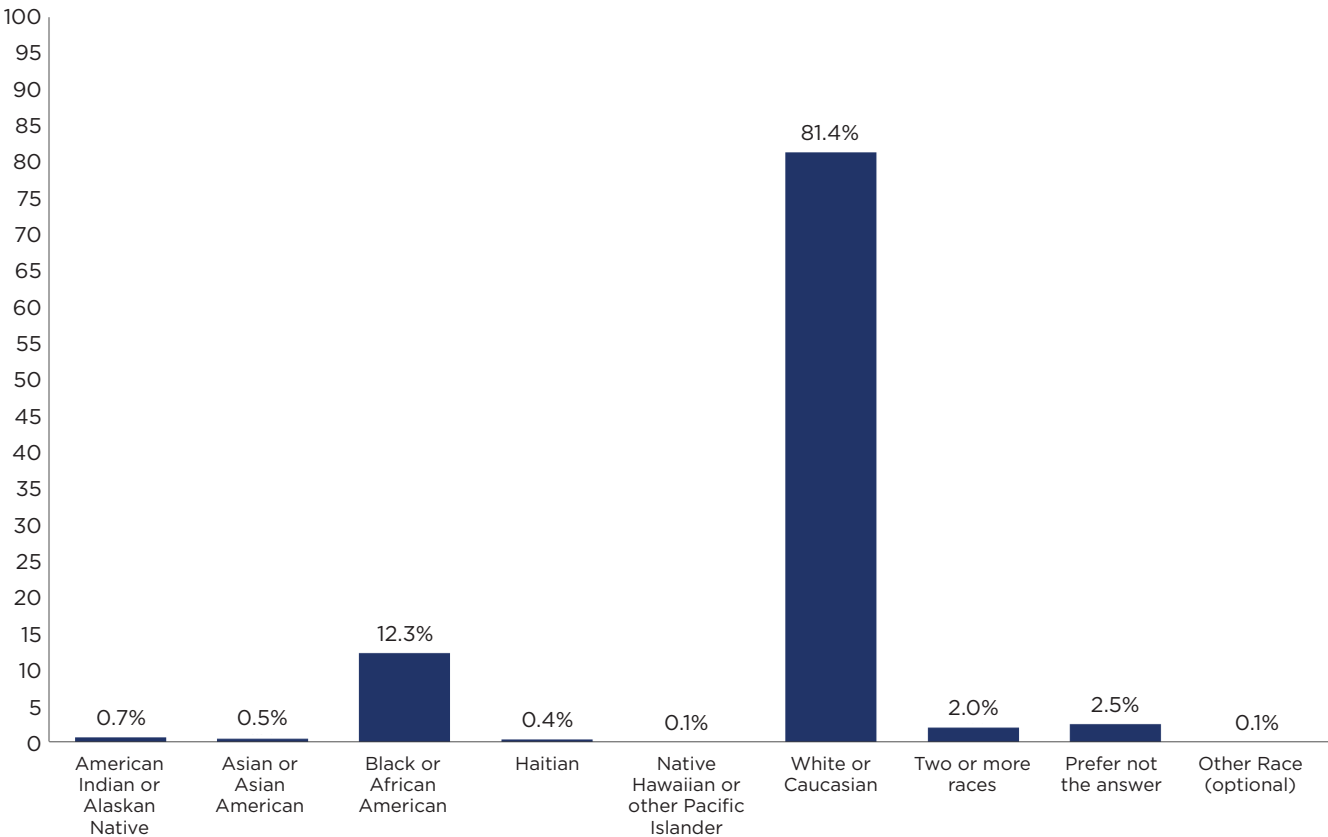
As seen in Figure 20, a majority of survey respondents reported being from Wicomico County, even though it does not have the largest population of the Tri-County Region and Sussex County, DE. This is something to consider in future assessments.

FIGURE 20: RESPONDENTS COUNTY OF RESIDENCE



As shown in Figure 21, White or Caucasian community members comprised the largest percentage of survey respondents at 81.4%, followed by Black/African American community members at 12.3%.

FIGURE 21: RESPONDENTS RACE



Only 1.4% of survey respondents identified as Hispanic/Latino, while the majority, 92.4% identified as Non-Hispanic/Latino (Figure 22).

**FIGURE 22: RESPONDENTS ETHNICITY**

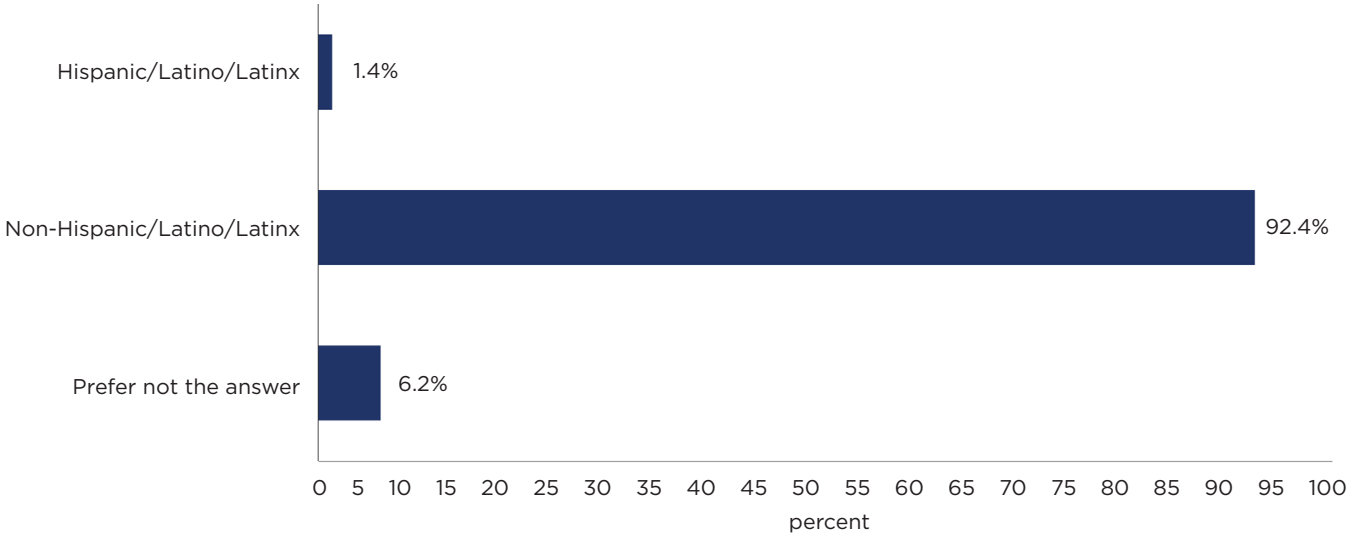
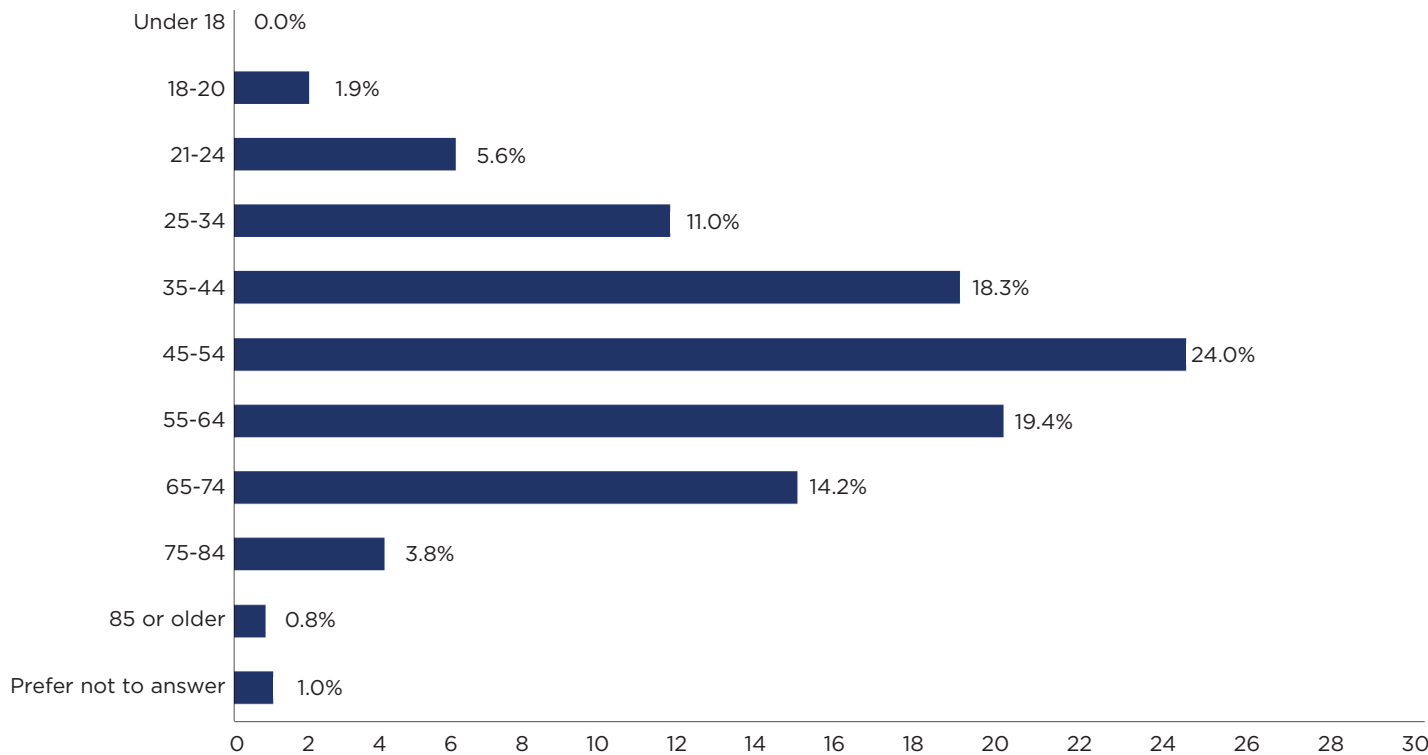


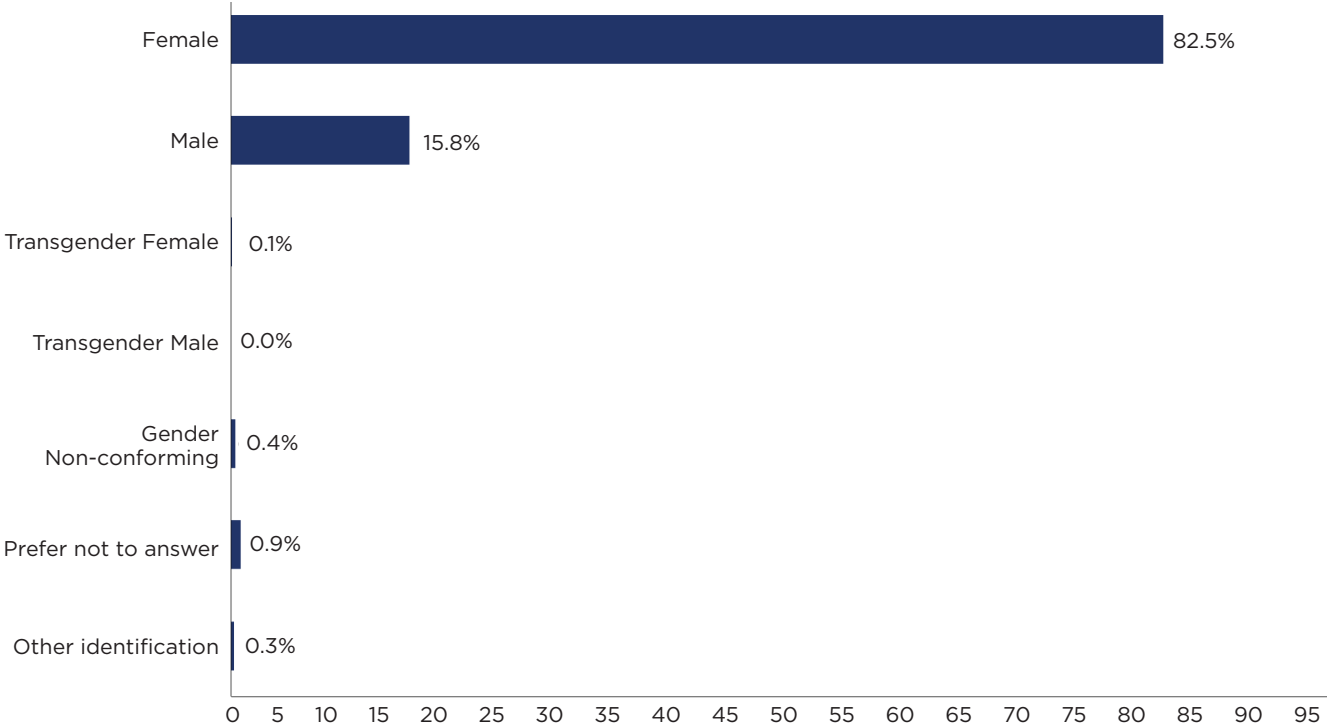
Figure 23 shows the age breakdown of survey respondents. The 35-44 and 45-54 age groups comprised the largest portions of survey respondents, at 19.4% and 24.0% respectively.

**FIGURE 23: RESPONDENTS AGE**



The majority of survey respondents identified as female at 82.5%. An additional 15.8% identified as male, and the remaining 1.7% as other (transgender, non-conforming or prefer not to answer), as shown in Figure 24.

**FIGURE 24: RESPONDENTS GENDER**

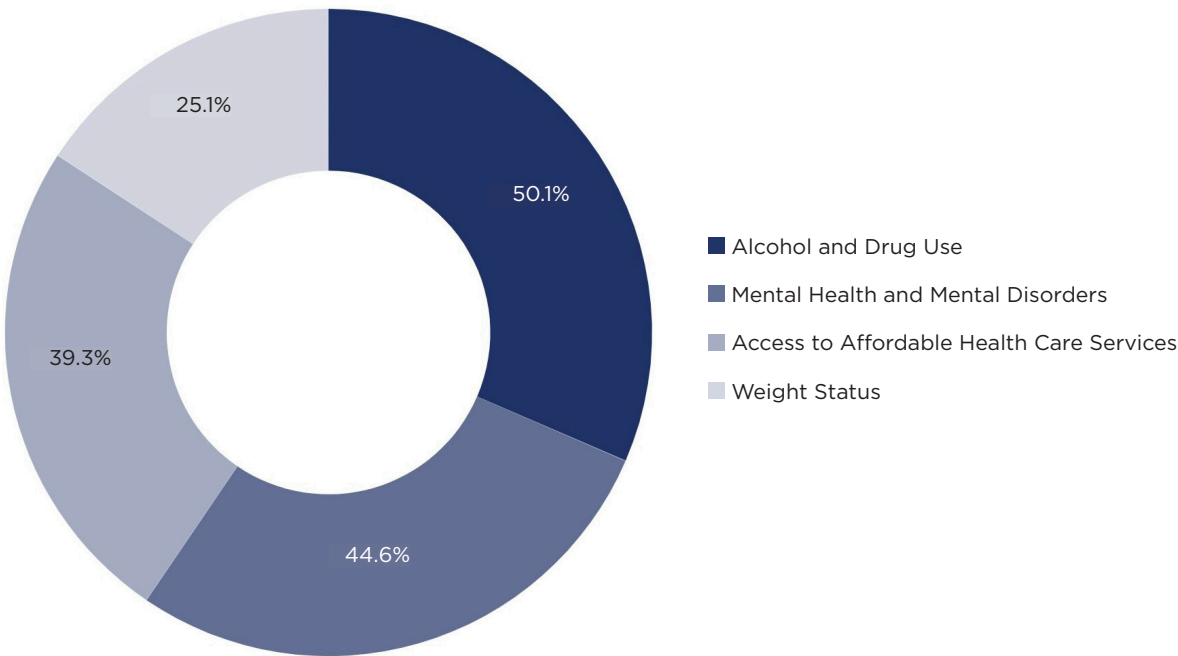


**6.3.2 COMMUNITY SURVEY ANALYSIS RESULTS**

In the survey, participants were asked about important health issues in the community, and which were the most important quality of life issues to address in the Tri-County Region and Sussex County, DE. The top responses for these questions are shown in Figures 25 and 26 below. Additionally, questions were included to get feedback about the impact of COVID-19 on the community, which is included in the “COVID-19 Impact Snapshot” section of this report.

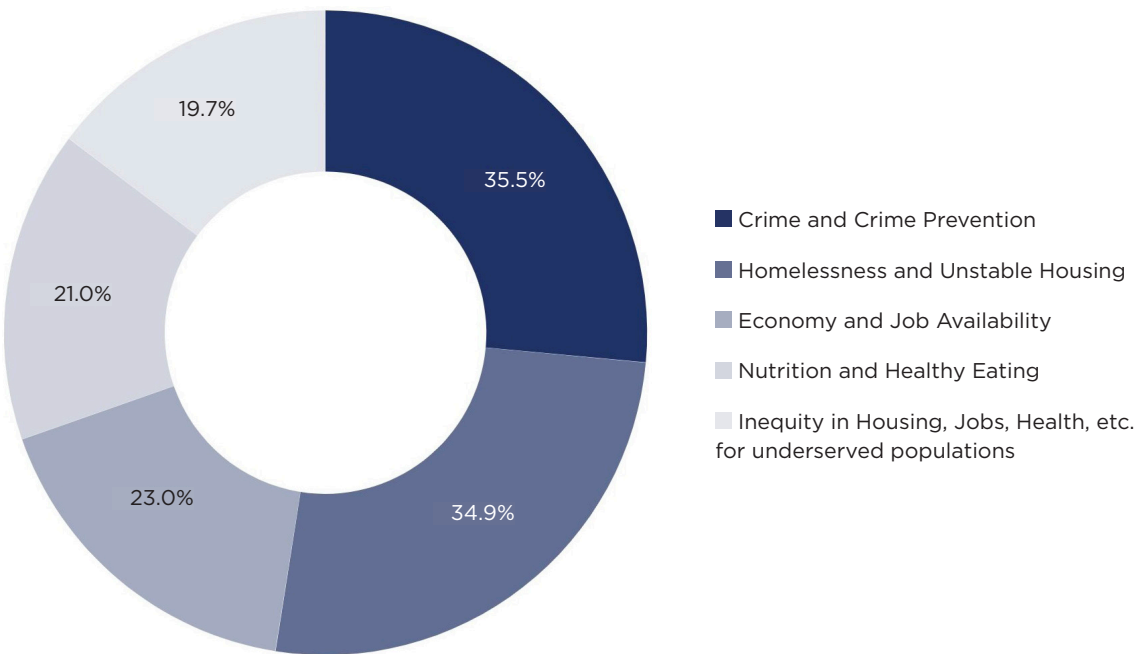
As shown in Figure 25, the “Most Important Community Health Issues” were Alcohol and Drug Use (50.1% of respondents), Mental Health and Mental Disorders (44.6%), Access to Affordable Healthcare Services (39.3%), and Weight Status (25.1%).

**FIGURE 25. MOST IMPORTANT COMMUNITY HEALTH ISSUES**



As shown in Figure 26 below, Crime and Crime Prevention was ranked by survey respondents as the most urgent quality of life issue needing to be addressed (35.5% of survey respondents), followed by Homelessness and Unstable Housing (34.9%), Economy and Job Availability (23.0%), Nutrition and Healthy Eating (21.0%) and Inequity in Housing, Jobs, Health, etc. for underserved populations (19.7%).

**FIGURE 26: MOST IMPORTANT QUALITY OF LIFE ISSUES TO ADDRESS**





**6.3.3 QUALITATIVE DATA (FOCUS GROUPS & KEY INFORMANT INTERVIEWS)**

The Partnership conducted key informant interviews and focus groups to gain deeper insights about perceptions, attitudes, experiences, or beliefs held by community members about their health and the health of their community. It is important to note that the information collected in an individual focus group or interview is not necessarily representative of other groups.

**Focus Groups**

The project team developed a focus group guide made up of a series of questions and prompts about the health and well-being of residents in the Tri-County Region and Sussex County, DE. The guide can be found in Appendix B. All participants volunteered. Advertisement was done via social media, press releases and posters with QR codes. \$10 local gift cards were offered as an incentive. Participants could sign up through an online registration form or by phone. Community members were asked to speak to barriers and assets to their health and access to healthcare. Four virtual focus groups were hosted in the following counties: Somerset, Wicomico, Worcester, MD, and Sussex, DE, during October and November 2021. A total of 26 participants took part in the four focus groups, which each lasted approximately 30 - 45 minutes. Facilitators implemented techniques to ensure that everyone was able to participate in the discussions.

**Key Informant Interviews**

HCI consultants conducted key informant interviews to collect community input. Interviewees who were asked to participate were recognized as having expertise in public health, special knowledge of community health needs, and/or represented the broad interest of the community served by the hospitals and health departments, and/or could speak to the needs of medically underserved or vulnerable populations.

A total of 14 key informant interviews were conducted during August 2021-October 2021. You can see the key informant organizations represented below in Table 5. These organizations are also current or potential community partners for the hospitals and health departments leading this assessment. Each interview included an interviewer and notetaker and lasted approximately 30 - 60 minutes. During the interviews, questions were asked to learn about the interviewee's background and organization, biggest health needs and barriers of concern in the community, as well as the impact of health issues on vulnerable populations. A list of the questions asked during the interviews can be found in Appendix B.

TABLE 5. KEY INFORMANT ORGANIZATIONS &amp; POPULATION SERVED

KEY INFORMANT ORGANIZATION	POPULATION SERVED
Chesapeake Healthcare	Tri-County Region
Deer's Head Hospital Center	Tri-County Region
HOPE, Inc.	Tri-County Region
MAC, Inc	Tri-County Region
Rebirth, Inc.	Wicomico County and surrounding region
Recovery Resource Center	Wicomico County
Salisbury University	Wicomico County
Somerset County Department of Social Services	Somerset County
Somerset County Health Department	Somerset County
Somerset County Schools	Somerset County
Sussex County Coalition	Sussex, DE
University of Maryland Eastern Shore (UMES)	Tri-County Region and Sussex, DE
Wicomico County Council	Wicomico County
Wicomico County Health Department	Wicomico County

#### 6.3.4 QUALITATIVE DATA ANALYSIS RESULTS

Transcripts from the focus groups and key informant interviews were uploaded to the web-based qualitative data analysis tool, Dedoose<sup>4</sup>. Transcript text was coded using a pre-designed codebook, organized by themes, and analyzed for significant observations. The frequency with which a health topic was discussed was used to assess the relative importance of that health and/or social need to determine the most pressing health needs of the community. The findings from the qualitative analysis were combined with the findings from other data sources and incorporated into the Data Synthesis, Top Health Needs, and COVID-19 sections of this report.

4. Dedoose Version 8.0.35, web application for managing, analyzing and presenting qualitative and mixed method research data (2018). Los Angeles, CA: Socio-Cultural Research Consultants, LLC [www.dedoose.com](http://www.dedoose.com)

#### Themes Across Qualitative Data

Figure 27 below summarizes the main themes and topics that trended across all or almost all focus group conversations and key informant interviews.



A key part of any data collection and analysis process is recognizing potential limitations within the data considered. All forms of data have their own strengths and limitations. Each data source for this CHNA process was evaluated based on these strengths and limitations during data synthesis and should be kept in mind when reviewing this report. For both quantitative and qualitative data, immense efforts were made to include as wide a range of secondary data indicators, community survey respondents, focus group participants, and key informant experts as possible.

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Secondary data were limited to availability of data, with some health topic areas having a robust set of indicators while others were more limited. The Index of Disparity, used to analyze disparities for the secondary data, is also limited by data availability from data sources. Some secondary data sources do not include subpopulation data and others only display values for a select number of racial/ethnic groups.

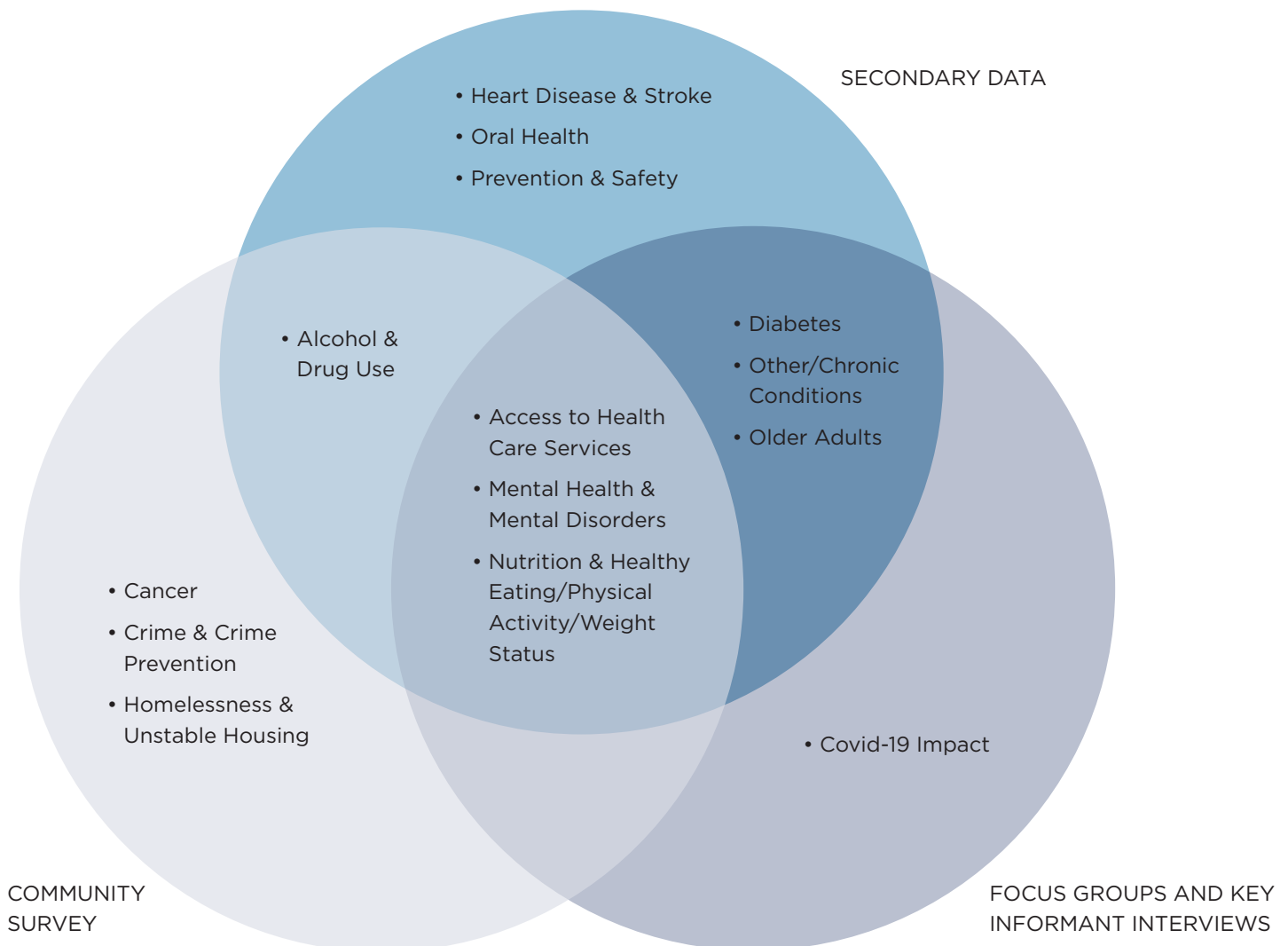
For the primary data, the breadth of findings is dependent upon who was selected to be a key informant or who self-selected to participate in the community focus groups. Additionally, the community survey was a convenience sample, which means results may be vulnerable to selection bias and make the findings less generalizable. Findings from the survey were shown to have a majority of respondents who identified as White, Non-Hispanic, and/or Female. This is a limitation to consider in future assessments, specifically in targeting the qualitative data collection to better include a true representation of the Tri-County Region and Sussex County, DE.

# DATA SYNTHESIS AND PRIORITIZATION

## 7.1 DATA SYNTHESIS

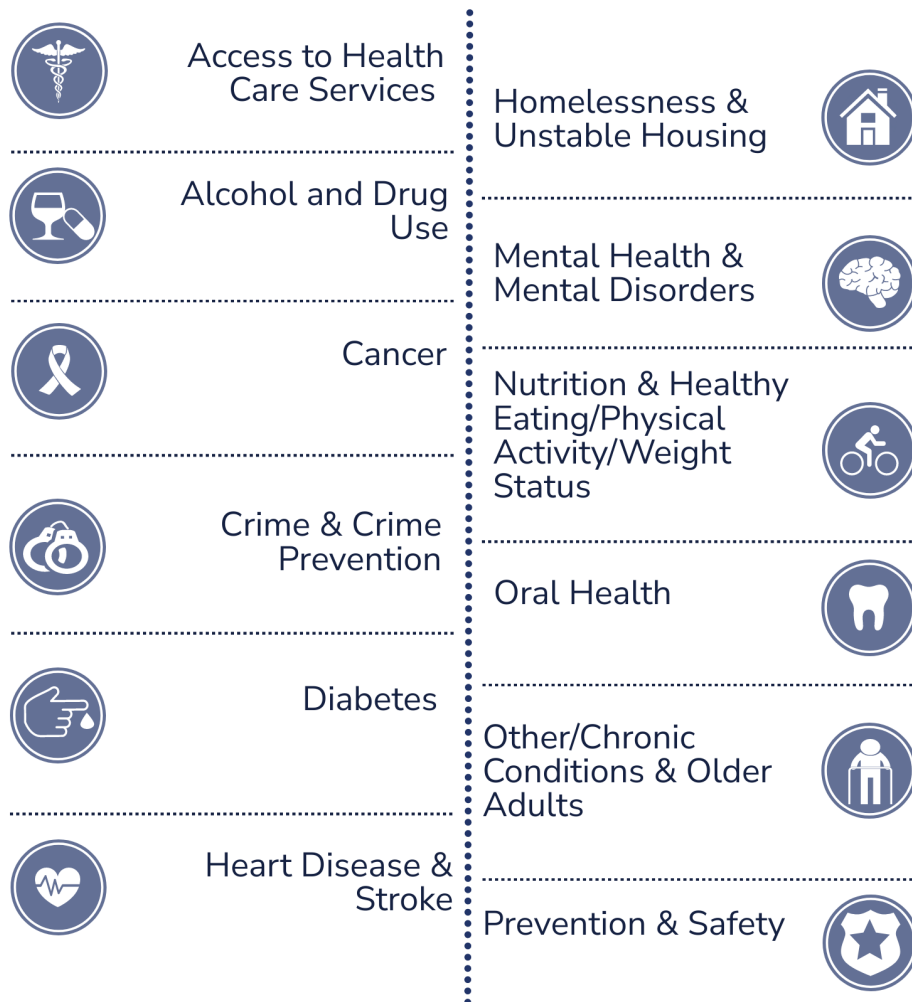
Primary and secondary data were collected, analyzed, and synthesized to identify the significant community health needs in the Tri-County Region and Sussex County, DE. The top health needs identified from data sources were analyzed for areas of overlap.

FIGURE 28: DATA SYNTHESIS VENN DIAGRAM



Primary data from the community survey, focus groups, and key informant interviews as well as secondary data findings identified 12 areas of greater need. Figure 29 shows the final 12 significant health needs, listed in alphabetical order, that were included for prioritization based on the synthesis of all forms of data collected for CHNA.

FIGURE 29. DATA SYNTHESIS RESULTS



## 7.2 PRIORITIZATION

To better target activities to address the most pressing health needs in the community, The Partnership convened a group of hospital and health department leaders and colleagues to participate in a presentation of data on significant health needs facilitated by HCI. Following the presentation and question session, participants were given access to an online link to complete a scoring exercise to rank the significant health needs based on a set of criteria. The presentation and prioritization session were conducted virtually to maintain social distancing and safety guidelines related to the COVID-19 pandemic.

The participants reviewed the scoring results of the significant community needs and determined prioritized health needs based on the same set of criteria used in the scoring exercise.

### 7.2.1 PARTICIPANTS

The following hospital and health department leaders took part in the prioritization session:

- Allie O'Leary, Data Analyst, TidalHealth
- Chris Hall, Vice President/Chief Business Officer, TidalHealth
- Christina Gray, Epidemiologist, Wicomico County Health Department
- Danielle Weber, Health Officer, Somerset County Health Department
- Henry Nyce, Manager of Strategic Planning, TidalHealth
- James Trumble, VP Clinical Integration, TidalHealth
- Kathryn Fiddler, Vice President Population Health, TidalHealth
- Katherine Rodgers, Director of Community Health Initiatives, TidalHealth
- Kelly Ward, Special Assistant to the Health Officer & Deputy PIO, Wicomico County Health Department
- Lisa Renegar, Health Planner, Wicomico County Health Department
- Logan Becker, Planning Analyst, TidalHealth
- Lori Brewster, Health Officer, Wicomico County Health Department
- Sharon Lynch, Preventive Services and Communications Director, Somerset County Health Department

### 7.2.2 PROCESS

On January 24, 2022, the above-mentioned joined together for the prioritization meeting hosted by HCI. During this meeting, the group reviewed and discussed the results of HCI's primary and secondary data analyses leading to the preliminary significant health needs discussed in detail in the data synthesis portion of this report. From there, participants were given three days to access an online link to score each of the significant health needs by how well they met the following criteria:

1. Magnitude of the Issue
  - How many people in the community are or will be impacted?
  - How does the identified need impact health and quality of life?
  - Has the need changed over time?
2. Ability to Impact
  - Can actionable and measurable goals be defined to address the health need?  
Are those goals achievable in a reasonable time frame?
  - Does the hospital or health system have the expertise or resources to address the identified health need?
  - Can the need be addressed in collaboration with community partners?  
Are organizations already addressing the health issue?

The group also agreed that root causes, disparities, and social determinants of health would be considered for all health topics resulting from prioritization.

Participants scored each health area against each criterion on a scale from 1-3 with 1 meaning it did not meet the given criterion, 2 meaning it met the criterion, and 3 meaning it strongly met the criterion. In addition to considering the data presented by HCI in the presentation and on the health topic note sheet, participants were encouraged to use their own judgment and knowledge of the community in considering how well a health topic met the criteria.

Completion of the online exercise resulted in a numerical score for each health need that correlated with how well that particular need met the criteria for prioritization. HCI downloaded the online results, calculated the scores, and then ranked the significant health needs according to their topic scores, with the highest scoring health need receiving the highest priority ranking.

7.2.3 SIGNIFICANT HEALTH NEEDS PRIORITIZATION

The aggregate ranking can be seen in the list below. The Partnership reviewed the scoring results of the significant community needs and determined prioritized health needs based on the same set of criteria used in the scoring exercise.

- 1. Diabetes (2.8)
- 2. Mental Health & Mental Disorders (2.7)
- 3. Alcohol & Drug Use (2.6)
- 4. Nutrition & Health Eating / Physical Activity / Weight Status (2.6)
- 5. Access to Healthcare Services (2.5)
- 6. Cancer (2.5)
- 7. Other/Chronic Conditions & Older Adults (2.4)
- 8. Heart Disease & Stroke (2.4)
- 9. Homelessness & Unstable Housing (2.0)
- 10. Prevention & Safety (1.8)
- 11. Oral Health (1.7)
- 12. Crime & Crime Prevention (1.6)

The group decided to combine Access to Healthcare Services with some of the underlying disparities and social determinants of health into the broader priority area of Access and Health Equity. Similarly, and as was done in the past CHNA cycle, they decided on combining the health areas of Mental Health & Mental Disorders with Alcohol & Drug Use into the broader category of Behavioral Health. Finally, the group combined Chronic Disease topics of Cancer, Diabetes, Heart Disease & Stroke with Nutrition & Healthy Eating/Physical Activity/Weight Status, as well as Other/Chronic Conditions & Older Adults into a comprehensive topic area of Chronic Disease and Wellness. The results of the prioritization session were presented to the Wicomico LHIC where they reviewed and approved the priority areas at their February 4, 2022, meeting. The three priority health areas that will be considered for subsequent implementation planning are:

PRIORITIZED HEALTH NEEDS
Access and Health Equity
Behavioral Health
Chronic Disease and Wellness



A deeper dive into the primary data and secondary data indicators for each of these three priority topic areas is provided later in this report. This information highlights how each issue became a high priority health need for The Partnership. Most of these health topic areas are consistent with the priority areas that emerged from the previous CHNA process. TidalHealth, SCHD, and WiCHD plan to build upon these efforts and continue to address these health needs in their upcoming Implementation Strategies and Community Health Improvement Plans.

# PRIORITIZED SIGNIFICANT HEALTH NEEDS

The following section provides detailed descriptions of the three prioritized health needs. This also includes health issues, the population groups with greater needs, and factors that contribute to those needs.

## 8.1 PRIORITIZED HEALTH TOPIC #1: ACCESS AND HEALTH EQUITY

### Access and Health Equity

Secondary  
Data Score: **1.51** (Access to  
Health Care)



#### Key Themes from Community Input



- Access to Health Services was ranked by survey respondents as the **third most pressing** health issue (**39.3%**)
- Lack of provider availability/specialty providers
- Barriers include: transportation, language, education, cost, knowledge of healthcare system
- **20%** of survey respondents disagree or strongly disagree that individuals in my community can access healthcare services regardless of race, gender, sexual orientation, immigration status, etc.

#### Warning Indicators



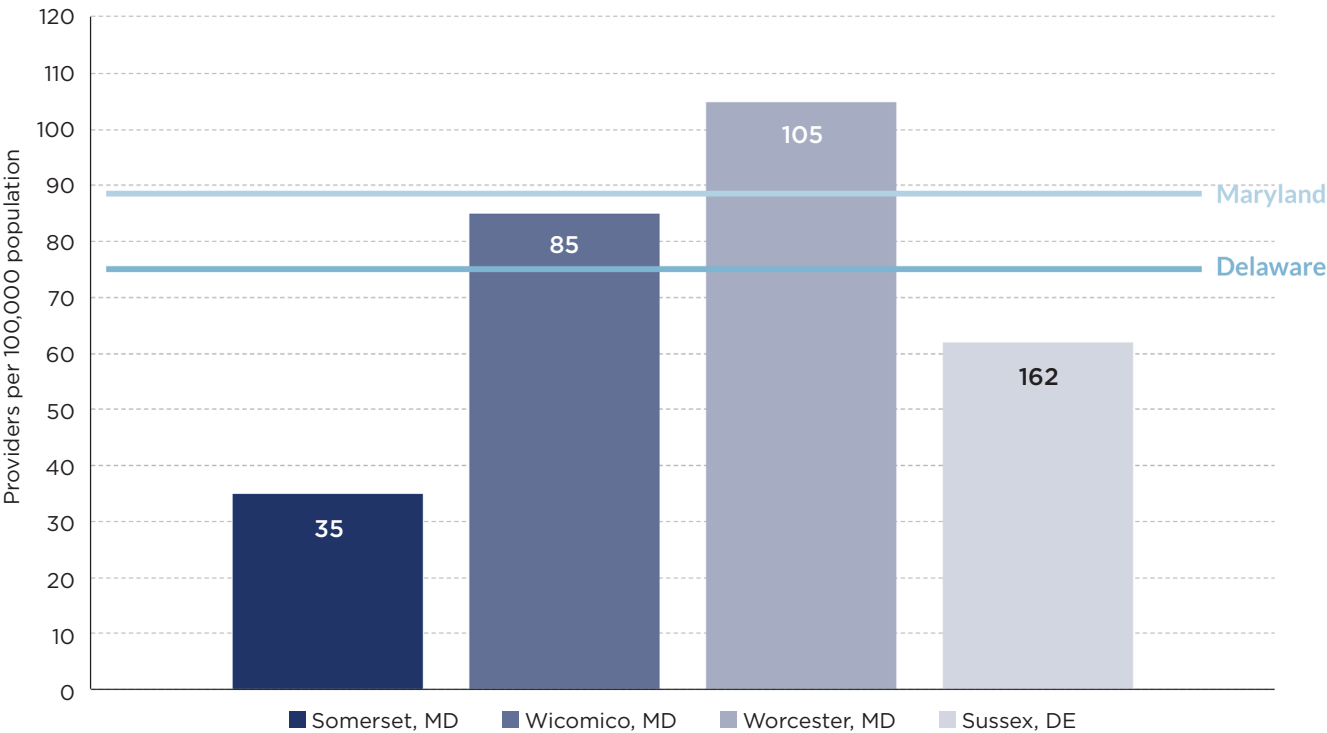
- Adults with Health Insurance
- Adults Unable to Afford to See a Doctor
- Dentist Rate
- Primary Provider Rate

#### SECONDARY DATA

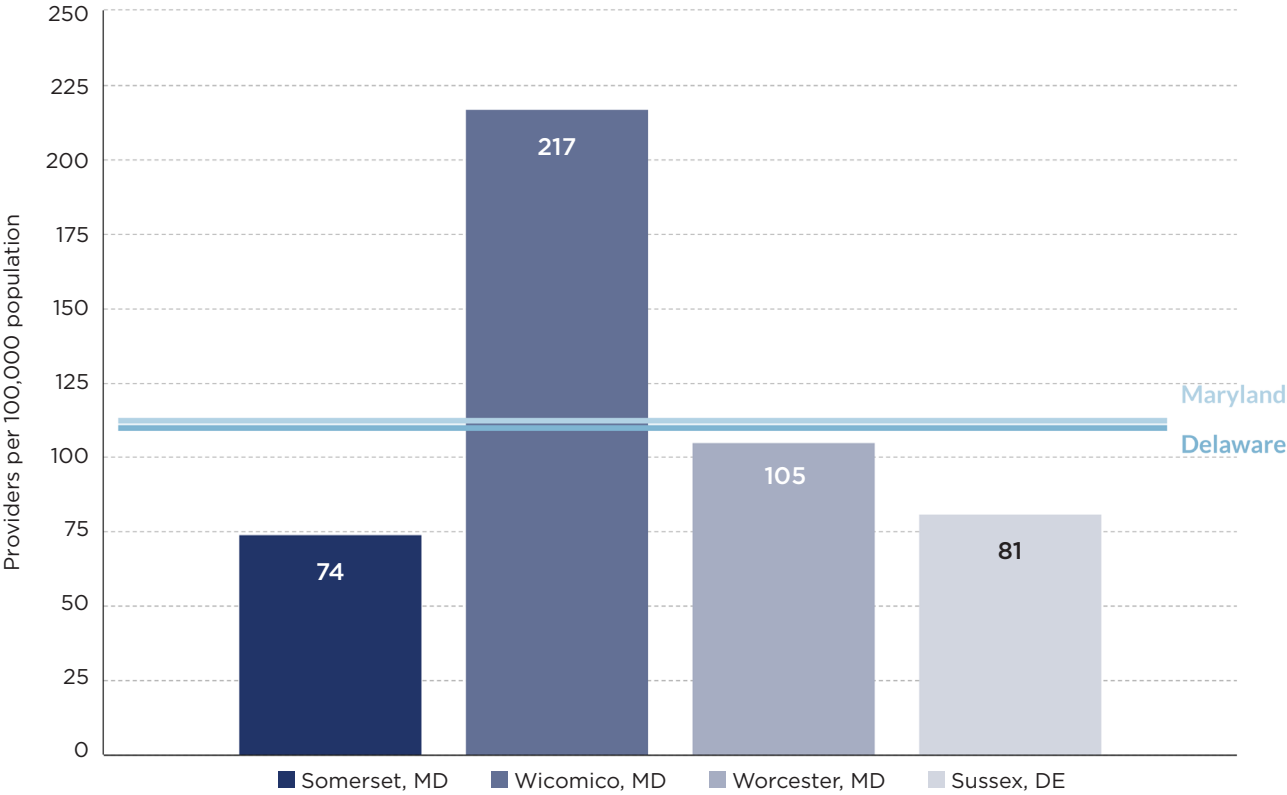
The secondary data analysis for Healthcare Access and Quality resulted in a topic score of 1.51 on a scale of 0 to 3, indicating need slightly above average. Some notable indicators that fall within this topic area are seen in the charts below. All counties within the Tri-County Region and Sussex County, DE are below their state average for Primary Care Provider Rates, Non-Physician Provider Rates, and Adults with Health Insurance (Figures 30, 31, and 32). Somerset, MD, is also

within the worst quartile for all Maryland counties for primary care provider rates and Wicomico, MD, has seen a significant decrease in primary care provider rates between 2011 and 2018. All counties have seen a significant increase in health insurance rates since 2010. All counties except Wicomico, MD, are below their state averages for non-physician provider rates in 2020 (Figure 31). A full list of indicators that fall within this topic can be found in the Secondary Data Methodology in Appendix A.

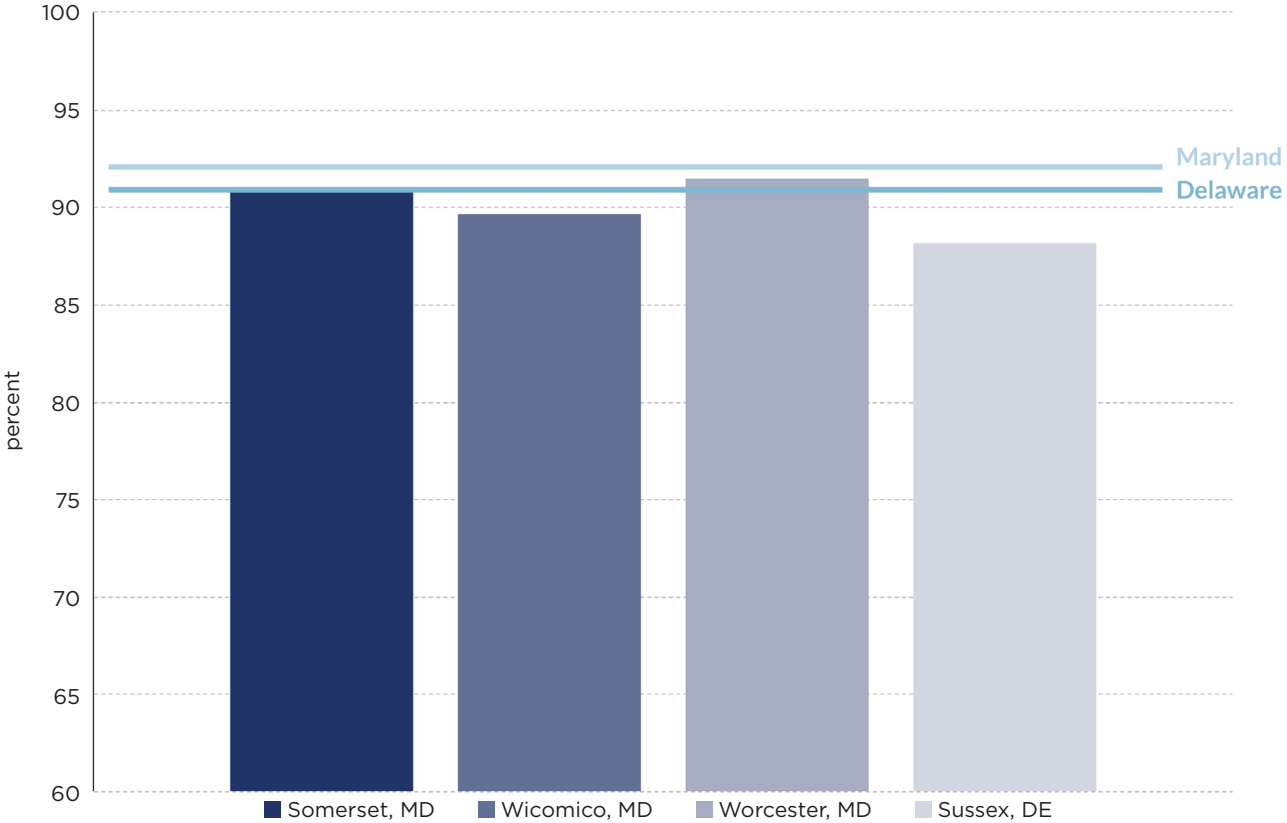
**FIGURE 30: PRIMARY CARE PROVIDER RATE (COUNTY HEALTH RANKINGS, 2018)**



**FIGURE 31: NON-PHYSICIAN PROVIDER RATE (COUNTY HEALTH RANKINGS, 2020)**



**FIGURE 32: ADULTS WITH HEALTH INSURANCE: 18-64 (SMALL AREA HEALTH INSURANCE ESTIMATES, 2019)**



Access to Care can be affected by many factors, including poverty rates. As shown in Table 1 above in the Disparities section of this report, families identifying as Black or African American, Hispanic/Latino, Two or More Races, Other Race, and American Indian/Alaskan Native have the highest poverty rates. These disparities not only affect quality of health but can also affect access to quality healthcare services.

**PRIMARY DATA**

**ACCESS TO CARE**

Access to Care was a top health need identified from the community survey, focus groups, and key informant interviews. The general cost of care, populations that are uninsured or underinsured, and the impact of unemployment were mentioned as underlying causes. Recent health facility closings and delays due to COVID-19 were also mentioned as barriers to accessing care. The need for improved/increased cultural competency, as well as offering services in languages spoken in some of the minority populations of the community, were subjects that surfaced in the primary data as well. Additionally, transportation was listed as a major barrier to accessing services, as well as a general lack of providers, especially in the more rural areas. Many participants spoke about the lack of specialists making access for those in need of specialist health services very difficult.



Getting to the doctor is a challenge for many. And there is a shortage of healthcare providers. Specifically, a major shortage of specialty and/or pediatric providers.



-Key informant

**HEALTH EQUITY**

Inequities related to accessing healthcare or social services were mentioned throughout the focus groups and key informant interviews. Participants specifically spoke about families living on low incomes, people from racial or ethnic minority groups, immigrant populations, and older adults being more at risk for negative health outcomes due to lack of equitable access. Health literacy, cultural or language barriers, and lack of knowledge or ability to navigate the healthcare system were all brought up as topics of concern affecting those who are at increased risk for poor health.



Socioeconomics plays a major role in the level of health for individuals. The poorer communities simply do not have equitable access or resources to seek appropriate care when needed.



-Key informant

The community survey respondents also listed inequities in housing, jobs, and health for populations that have historically been underserved as top contributors impacting quality of life in the community.

## 8.2 PRIORITIZED HEALTH TOPIC #2: BEHAVIORAL HEALTH

### Behavioral Health

1.63 (Alcohol &amp; Drug Use)

Secondary Data Score: 1.43 (Mental Health &amp; Mental Disorders)



#### Key Themes from Community Input



- Alcohol and Drug Use was the top ranked health need from the community survey
- 44.6% of survey respondents ranked Mental Health & Mental Disorders as the most pressing health issue
- Top reasons for not seeking mental health services or alcohol/substance use treatment services included: wait is too long, cost - too expensive/can't pay, office/service/program has limited access or is closed due to COVID-19
- Stress, anxiety, co-occurring substance abuse, behavioral health problems all are contributing factors to mental health issues
- Need for more mental health services, providers, and resources

#### Warning Indicators



- Frequent Mental Distress
- Poor Mental Health Days
- Self-Reported Mental Health: Good or Better
- Age-Adjusted Death Rate due to Drug Use
- Alcohol Impaired Driving Deaths
- Death Rate due to Drug Poisoning

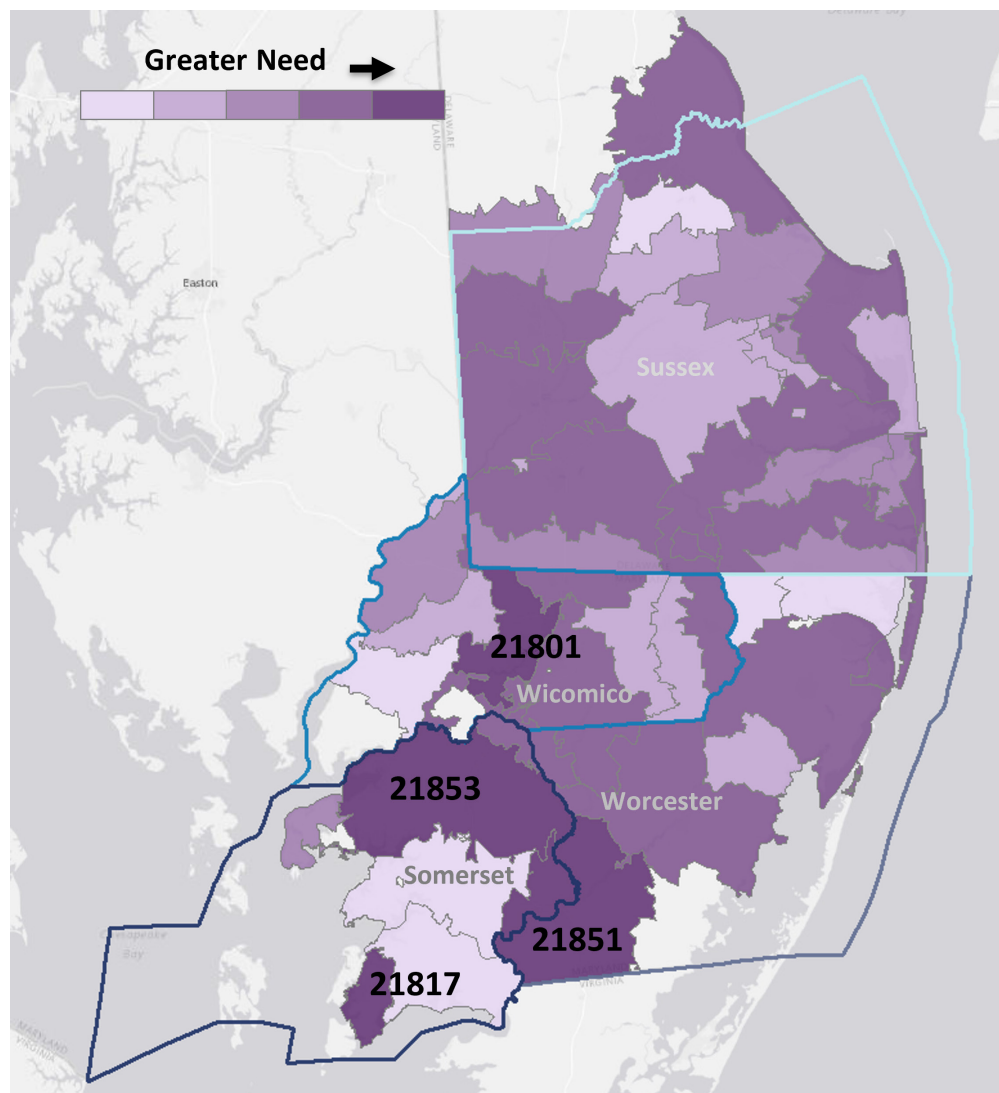
## SECONDARY DATA

The secondary data analysis for Mental Health & Mental Disorders and Alcohol & Drug Use resulted in topic scores of 1.43 and 1.63, respectively. These topic areas were combined into one priority, Behavioral Health, given the relationship between mental health and substance use disorders.

### MENTAL HEALTH AND MENTAL DISORDERS

Secondary data scoring presented Mental Health & Mental Disorders as slightly below average, with a topic score of 1.43. Wicomico, MD, and Somerset, MD, had higher individual scores for this topic area (1.73 and 1.61, respectively), which could indicate a greater need for mental health services or interventions in these counties.

It is important to note that Mental Health can be affected by a variety of socioeconomic factors including income, social support, socioeconomic status, gender identity, disability status, and stress caused by structural racism and other systemic barriers. Conduent's Mental Health Index (MHI) is a measure of socioeconomic and health factors correlated with self-reported poor mental health. Based on the MHI, in 2021, zip codes are ranked based on their index value to identify the relative levels of need, as illustrated by the map in Figure 33. The following zip codes are estimated to have the highest need (as indicated by the darkest shades of purple): 21817 (Somerset, MD), 21853 (Somerset, MD), 21851 (Worcester, MD), and 21801 (Wicomico, MD). Table 6 provides the index values for high needs zip codes. See Appendix A for more detailed MHI methodology.

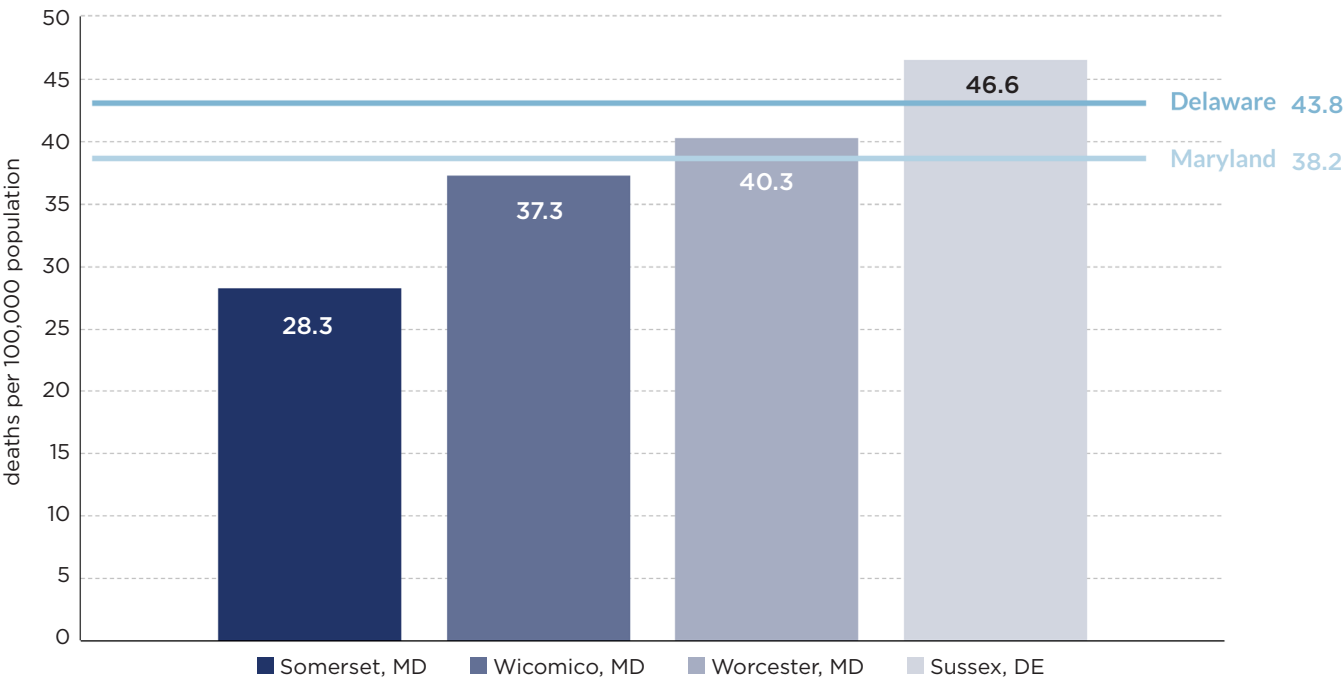
**FIGURE 33: MENTAL HEALTH INDEX BY ZIP CODE****TABLE 6. FOOD INSECURITY INDEX VALUES BY ZIP CODE**

ZIP CODE	RANK	MHI VALUE	COUNTY
21817	5	95.3	Somerset, MD
21853	5	95.8	Somerset, MD
21851	5	93.6	Worcester, MD
21801	5	93.2	Wicomico, MD

**ALCOHOL & DRUG USE**

Secondary data scoring presented Alcohol & Drug Use as above average, with a topic score of 1.63. There are concerning data around age-adjusted drug and opioid-involved overdose deaths, alcohol-impaired driving deaths, and death rate due to drug poisonings. Both Worcester, MD, and Sussex, DE, have higher Age-Adjusted Drug and Opioid-Involved Overdose Death rates than their respective state values (Figure 34). All counties also have higher Age-Adjusted Drug and Opioid-Involved Overdose Death Rates than the U.S. value of 22.8 deaths/100,000 population. Additionally, both Worcester, MD, and Sussex, DE, have higher Alcohol-Impaired Driving Deaths than their respective state values (Figure 35). Worcester, MD, has also seen a non-significant increase in Alcohol-Impaired Driving Deaths between 2008-2012 and 2015-2019 and is among the worst quartile of all MD and U.S. counties. Lastly, as shown in Figure 36, all counties within the Tri-County Region and Sussex County, DE saw a significant increase for the Death Rate Due to Drug Poisoning between 2004-2010 and 2017-2019.

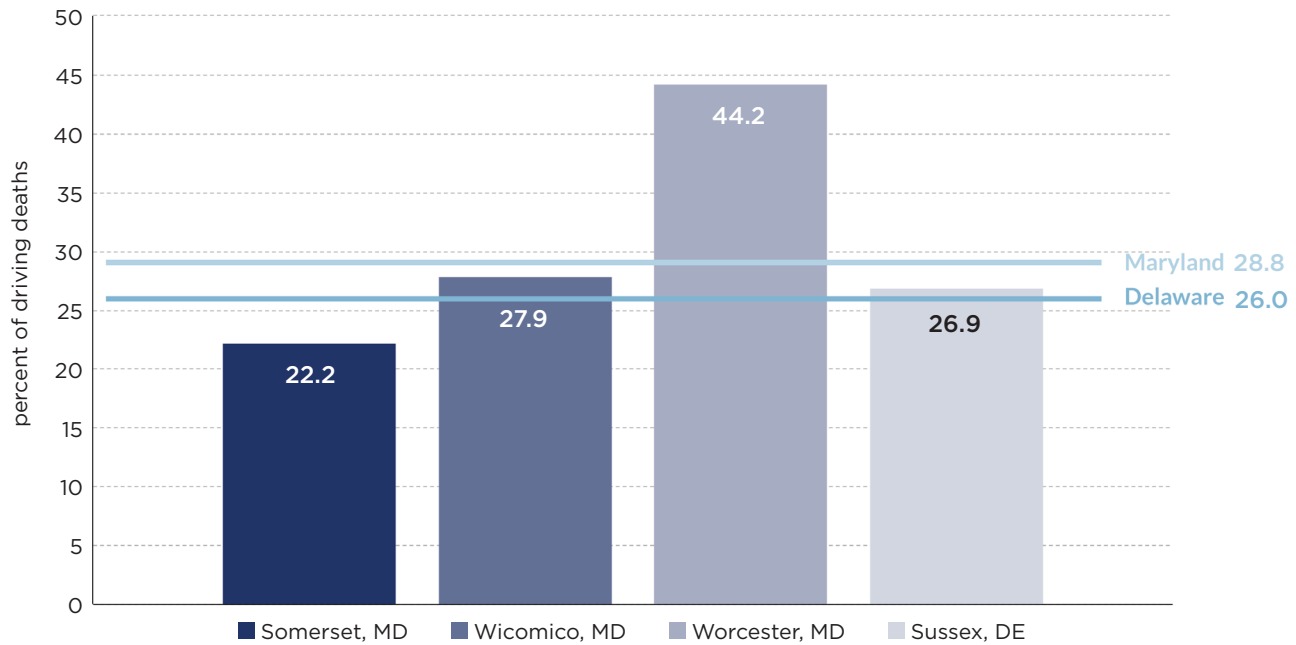
**FIGURE 34: AGE-ADJUSTED DRUG AND OPIOID-INVOLVED OVERDOSE DEATH RATES (CENTERS FOR DISEASE CONTROL AND PREVENTION, 2017-2019)**



Centers for Disease Control and Prevention, 2017-2019

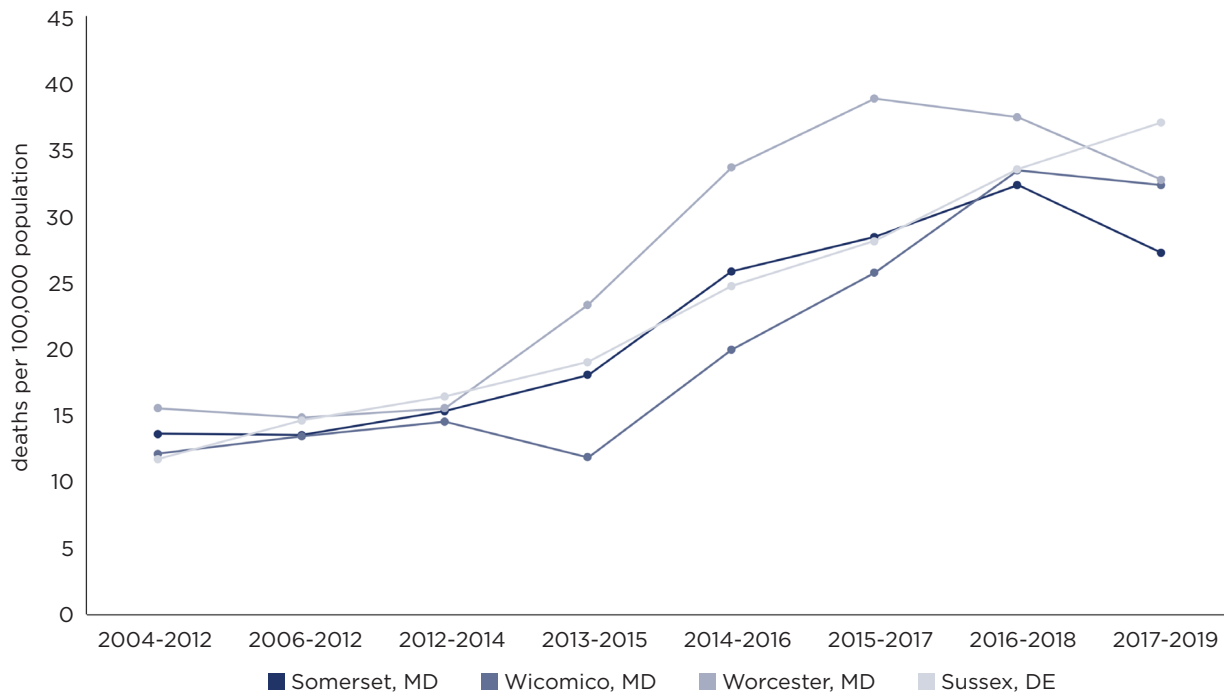


**FIGURE 35: ALCOHOL-IMPAIRED DRIVING DEATHS (COUNTY HEALTH RANKINGS, 2015-2019)**



County Health Rankings, 2015-2019

**FIGURE 36: DEATH RATE DUE TO DRUG POISONING (COUNTY HEALTH RANKINGS, 2004-2019)**



County Health Rankings, 2004-2019

# PRIMARY DATA

## MENTAL HEALTH AND MENTAL DISORDERS

Mental Health and Mental Disorders was a top health need from the community survey, focus groups, and key informant interviews. In the community survey it was ranked as the second most pressing health need in the community.

Mental health resources, and the availability of mental health providers were frequently cited as disproportionate to community need. Focus group and key informant participants mentioned stigma associated with mental health or mental disorders being a limitation for people in need to seek help or treatment. Overall cost, lack of mental health providers and resources, and navigation and/or knowledge about available services were all mentioned as barriers also.

Participants emphasized the impact of anxiety and stress that some community members were experiencing due to COVID-19. Social isolation was a topic that was discussed during these conversations, specifically mentioning the impact on youth and older adults. Separation from school routines and social networks are greatly impacting mental health for these groups.

“Mental health is a real struggle before/during/after the pandemic. There are more people in need of mental health resources now than we’ve ever seen before.”  
-Key informant

## ALCOHOL AND DRUG USE

Alcohol and Drug Use was the top ranked health need from the community survey. Focus group participants mentioned alcoholism and drug addictions frequently coincide with or are a result of mental health issues. Key informants pointed out that low-income and impoverished neighborhoods typically deal with more stressors while drugs are simultaneously more accessible in those areas. Participants mentioned the opioid epidemic still affecting their community, specifically the issue of opioid overdoses. Additionally, they spoke about unintentional overdoses due to lacing certain drugs with fentanyl.

“There is a need for more outreach, education, and prevention efforts in schools and among youth. Need more protective factors in place as youth are getting older.”  
-Key informant

### 8.3 PRIORITIZED HEALTH TOPIC #3: CHRONIC DISEASE AND WELLNESS

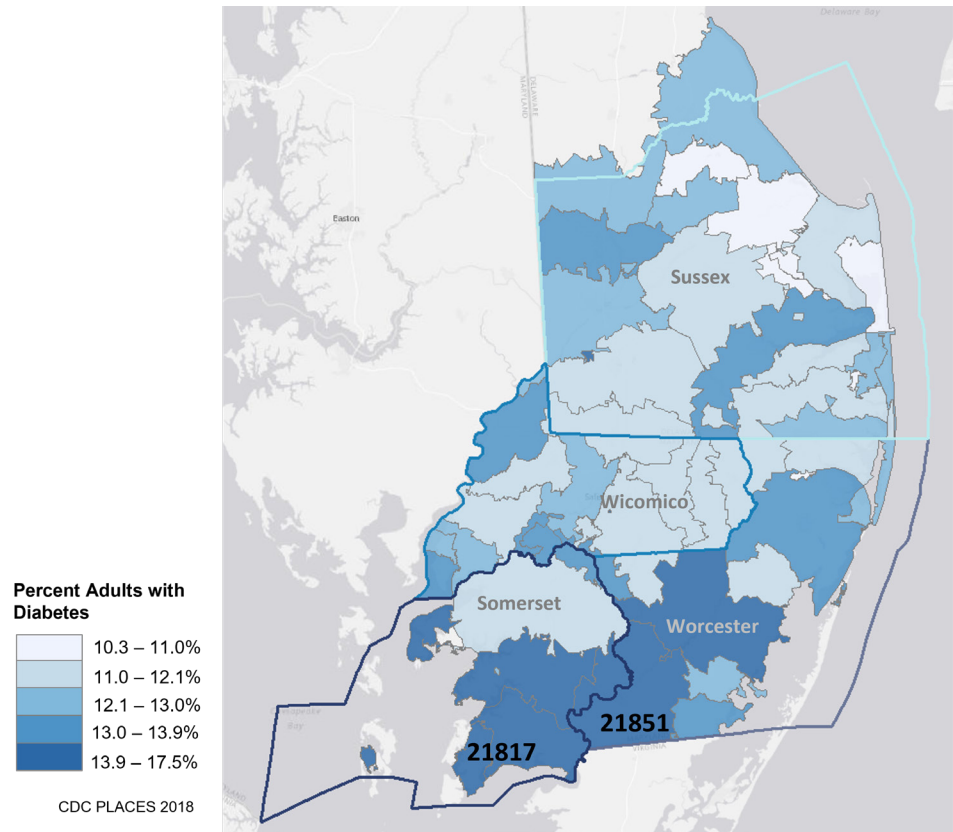


## SECONDARY DATA

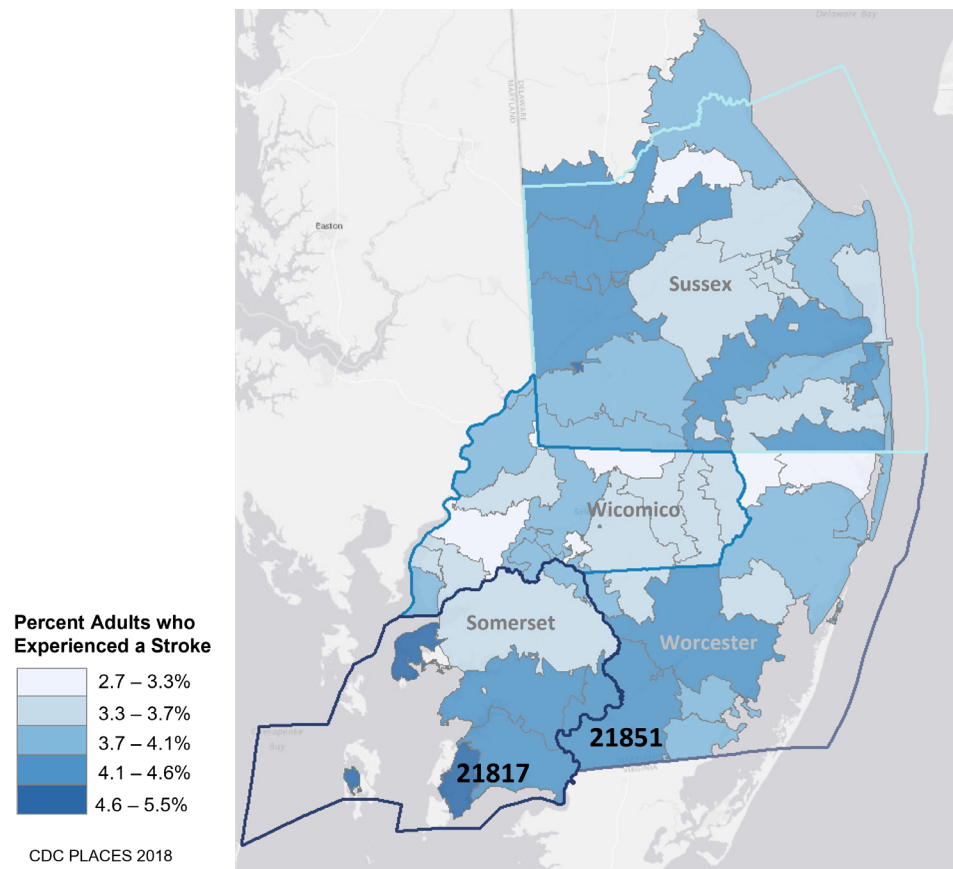
The Chronic Disease and Wellness topic area encompasses five different topic areas: Diabetes, Cancer, Heart Disease & Stroke, Nutrition & Healthy Eating/Physical Activity/Weight Status, and Other Conditions/Older Adults. The decision to combine these topic areas was based on how access to healthy foods, nutrition resources, and exercise opportunities can affect one's chronic disease status. This is of particular concern for older adults within the Tri-County Region and Sussex, DE.

Figure 37 shows the Percent of Adults with Diabetes by Zip Code. The darkest blue color indicates a higher percentage of adults with diabetes within that zip code. Compared to the Food Insecurity Index map (Figure 19), there is some overlap between zip codes with higher Food Insecurity Index values and diabetes rates. This overlap can be easily seen in 21817 (Somerset, MD) and 21851 (Wicomico, MD) along with some zip codes within western Sussex, DE. These general trends can also be seen for Adults Who Experienced a Stroke and Poor Physical Health Days (Figure 38 and Figure 39, respectively). The Percent of Adults with Cancer is higher for zip codes in western Sussex (Figure 40), which does not overlap with general trends seen in either the Food Insecurity Index or Health Equity Index. This could indicate different factors at play that affect cancer incidence, such as the higher population of older adults that reside in the most affected zip codes.

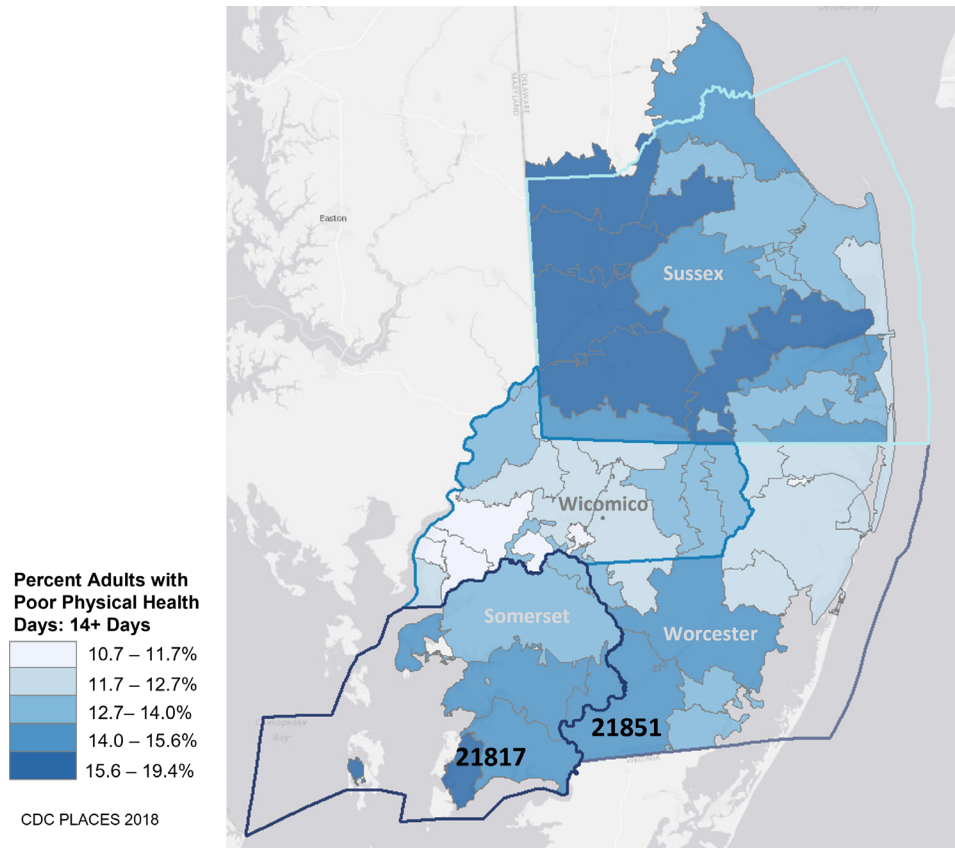
**FIGURE 37: PERCENT OF ADULTS WITH DIABETES, BY ZIP CODE**



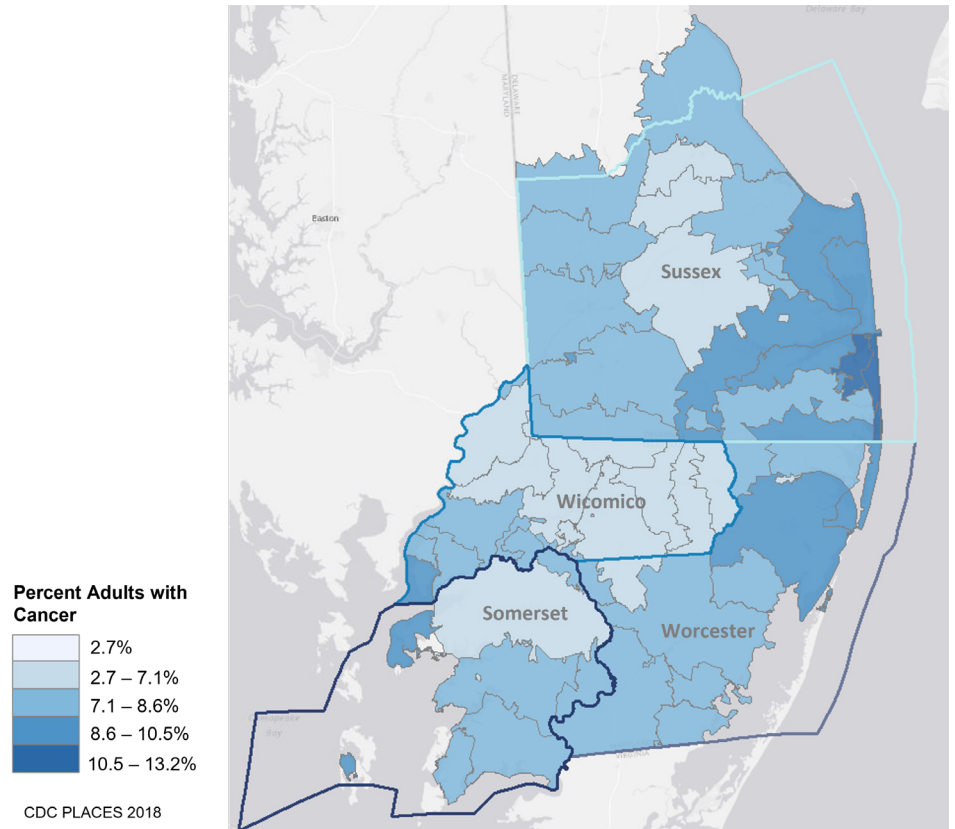
**FIGURE 38: ADULTS WHO EXPERIENCED A STROKE, BY ZIP CODE**



**FIGURE 39: POOR PHYSICAL HEALTH DAYS: 14+ DAYS**

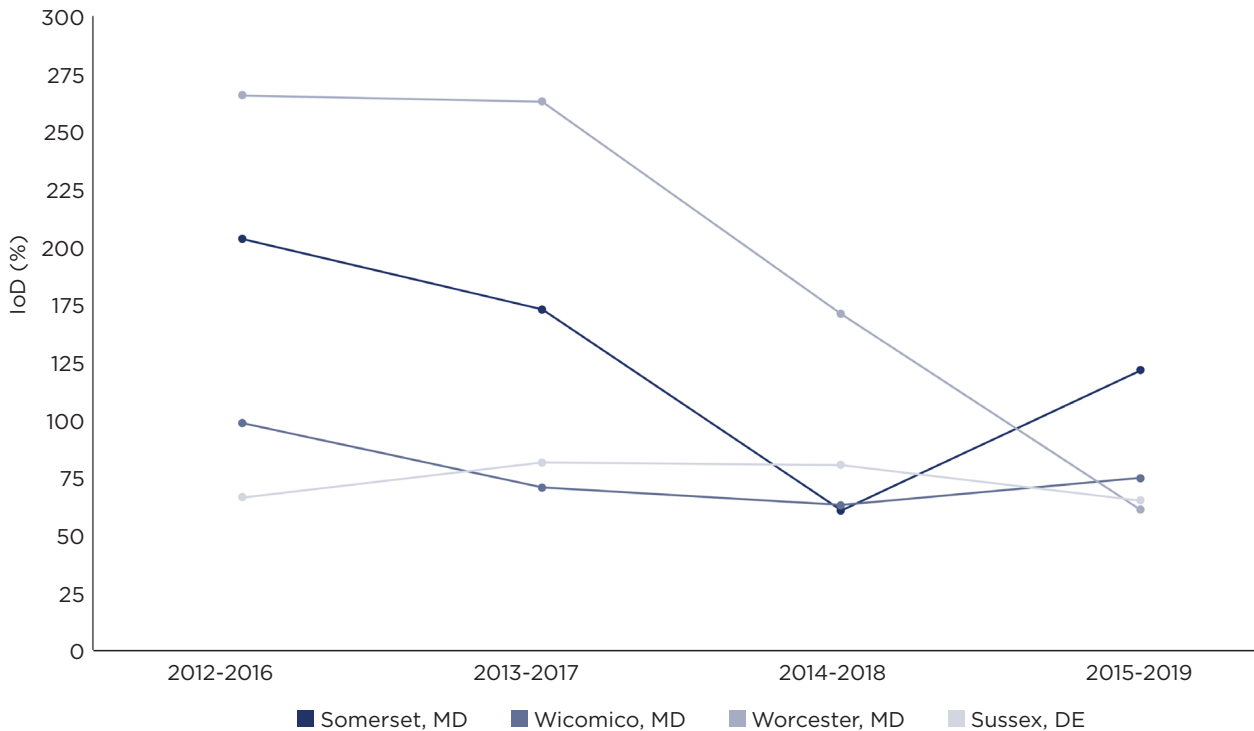


**FIGURE 40: ADULTS WITH CANCER, BY ZIP CODE**



People 65+ Living Below Poverty Level was identified as having a high disparity through the Index of Disparity (IoD) analysis. Of note, the IoD values for race/ethnicity were much higher than gender for this indicator. This could mean that differences seen by race/ethnicity is a greater contributor to disparities than gender for people 65+ living below poverty level. Figure 41 below shows the IoD value for race/ethnicity for each county for this indicator. As shown, Worcester, MD, saw a decrease in IoD values over time while Wicomico, MD, and Sussex, DE, remained stable over the same time period. These changes could indicate that there has not been much progress in addressing racial or ethnic disparities among older adults in poverty over these time periods. Older adults identifying as Black/African American, Hispanic/Latino, or Other Race have the highest poverty rates compared to other groups. Addressing disparities amongst older adults living in poverty could improve the overall health of the community, as disparate poverty levels can contribute to lack of healthcare access and higher rates of chronic disease, impacting cost of care for all.

**FIGURE 41: INDEX OF DISPARITY BY RACE/ETHNICITY FOR PEOPLE 65+ LIVING BELOW POVERTY LEVEL (AMERICAN COMMUNITY SURVEY, 2015-2019)**



ACS, 2015-2019

## PRIMARY DATA

Chronic diseases were all mentioned as common health issues in the focus groups and key informant interviews. Some participants referred to the three health issues of Diabetes, Cancer, and Heart Disease as “the trifecta” citing them as the most common health issues affecting their community. Additionally, Nutrition & Healthy Eating, specifically Access to Healthy Foods, was mentioned in almost every key informant interview. Similarly, Physical Activity and Weight Status were cited frequently when discussing overall health and wellness, and commonly co-

occurring with chronic conditions like Diabetes and Hypertension. Community survey respondents also ranked Nutrition & Healthy Eating as a top quality of life issue. Focus groups cited lower-income or impoverished areas having less access to healthy foods and being less likely to lead healthy lifestyles. Also mentioned was economic status, worsened by COVID-19, causing added stress and financial hardship which tend to exacerbate unhealthy habits.

“

People want a quick fix, not a lifestyle change. Stress plays so much into our ability to be healthy.

-Key informant

”

Another theme from primary data was older adults being more negatively impacted by topics previously mentioned such as: Access to Care, Social Isolation, Ability to Navigate the Healthcare System, and COVID-19. Additionally, this group is seen as more at risk and having worse health outcomes when it comes to issues like Mental Health, Hypertension, and certain Cancers. Older adults' ability to manage chronic disease via frequent doctor visits and/or medication management was made more challenging by the impacts of COVID-19.

“

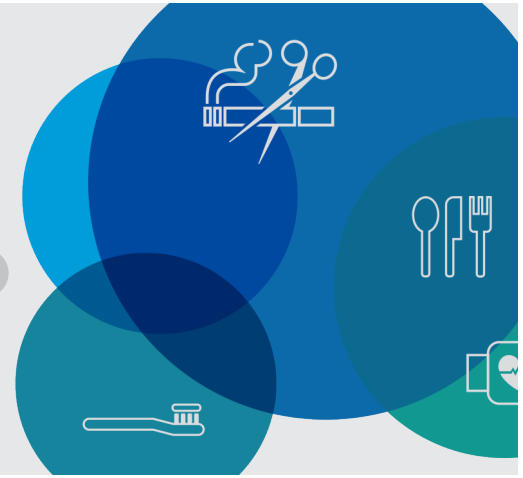
During COVID, the elderly population's challenge with lack of transportation, services out their area, providers speaking above their head. . . all worsened.

-Focus Group Participant

”



# NON-PRIORITIZED SIGNIFICANT HEALTH NEEDS



The following significant health needs, presented in alphabetical order, emerged from a review of the primary and secondary data. However, The Partnership will not focus directly on these topics in their Implementation Strategy/Community Health Improvement Plans. Several of the non-prioritized needs are related to the three primary priority areas, and implementation of activities under those priorities will have an indirect impact on many of these needs.

Key themes from community input are included where relevant for each non-prioritized health need along with the secondary data score and warning indicators.

## 9.1 NON-PRIORITIZED HEALTH NEED #1: HOMELESSNESS & UNSTABLE HOUSING

### Homelessness & Unstable Housing



#### Key Themes from Community Input



- Ranked by respondents as the **2nd most pressing** quality of life issue
- **48.8%** of respondents **disagreed or strongly disagreed** that there are affordable places to live
- **8.5%** of respondents reported their current housing situation does not meet their needs



## 9.2 NON-PRIORITIZED HEALTH NEED #2: PREVENTION & SAFETY

### Prevention & Safety

Secondary  
Data Score: **1.84**



#### Warning Indicators



- Severe Housing Problems
- Pedestrian Injuries
- Death Rate due to Drug Poisoning
- Age-Adjusted Death Rate due to Unintentional Injuries

## 9.3 NON-PRIORITIZED HEALTH NEED #3: ORAL HEALTH

### Oral Health

Secondary  
Data Score: **1.71**



#### Warning Indicators



- Adults who Visited a Dentist
- Adults with No Tooth Extractions
- Oral Cavity and Pharynx Cancer Incidence
- Adults 65+ with Total Tooth Loss
- Age-Adjusted ER Visit Rate due to Dental Problems

## 9.4 NON-PRIORITIZED HEALTH NEED #4: CRIME & CRIME PREVENTION

### Crime & Crime Prevention



#### Key Themes from Community Input



- Ranked by survey respondents as the **top most pressing** quality of life issue
- Subjects in this category included: robberies, shootings, and other violent crimes

# OTHER FINDINGS



Critical components in assessing the needs of a community are identifying barriers to and disparities in healthcare. Additionally, the identification of these will help inform and focus strategies for addressing prioritized health needs. We previously covered disparities in the Disparities and Health Equity section of this report. The following identifies barriers as they pertain to the Tri-County Region and Sussex County, DE.

## 10.1 BARRIERS TO CARE

Community health barriers were identified as part of the primary data collection. Community survey respondents, focus group participants, and key informants were asked to identify any barriers to healthcare observed or experienced in the community.

### 10.1.1 TRANSPORTATION

Transportation was identified through this assessment as a major barrier to accessing health and social services in the Tri-County Region and Sussex County, DE. The geographic region is particularly rural which exacerbates the issues of access to healthcare providers and services, especially for low-income populations and older adults who already experience barriers to access. Focus group and key informant participants stressed how important an issue transportation is across the region. They specifically spoke about the lack of public transit options available. Additionally, 47.8% of community survey respondents disagreed or strongly disagreed that transportation is easily accessible if they needed it.

### 10.1.2 COST, HEALTH LITERACY, CULTURAL/LANGUAGE BARRIERS

In general, accessing affordable healthcare was a common problem that was discussed due to several identified barriers. For community survey respondents that did not receive the care they needed, 30.6% selected cost as a barrier to seeking the care they needed, while 59.9% selected cost as a barrier to seeking dental or oral health services. Focus group participants and key informants were concerned that low-income community members do not have access to affordable healthcare providers or medications for certain disease management. Key informants added that even when health insurance or services may be available, health literacy issues and cultural/language barriers make seeking or continuing to seek care difficult, especially for older adults and immigrant populations.

# COVID-19 IMPACT SNAPSHOT

## 11.1 INTRODUCTION

At the time that The Partnership began its collaborative CHA/CHNA process, they were in the midst of dealing with the novel coronavirus (COVID-19) pandemic.

The process for conducting the assessment remained fundamentally the same. However, there were some adjustments made during the primary data collection to ensure the health and safety of those participating.

## 11.2 PANDEMIC OVERVIEW

On March 13, 2020, a U.S. national emergency was declared over the novel coronavirus outbreak first reported in the Wuhan Province of China in December 2019. Officially named COVID-19 by the World Health Organization (WHO) in February, WHO declared COVID-19 a pandemic on March 11, 2020. Later that month, stay-at-home orders were placed by the Maryland and Delaware Governors and unemployment rates soared as companies were impacted and began mass layoffs.

Vaccinations were available to select groups of individuals starting in December 2020 and became more widely available to all adults in early 2021. Despite availability of vaccinations, new cases, hospitalizations, and deaths continue to occur throughout Maryland, Delaware, the U.S., and worldwide. Upon completion of this report in April 2022, the pandemic was still very much a health crisis across the United States and in most countries.



### Community Insights

The CHNA project team researched additional sources of secondary data and gathered primary data to provide a snapshot of the impact of COVID-19 on the Tri-County Region and Sussex, DE. Findings are reported below.

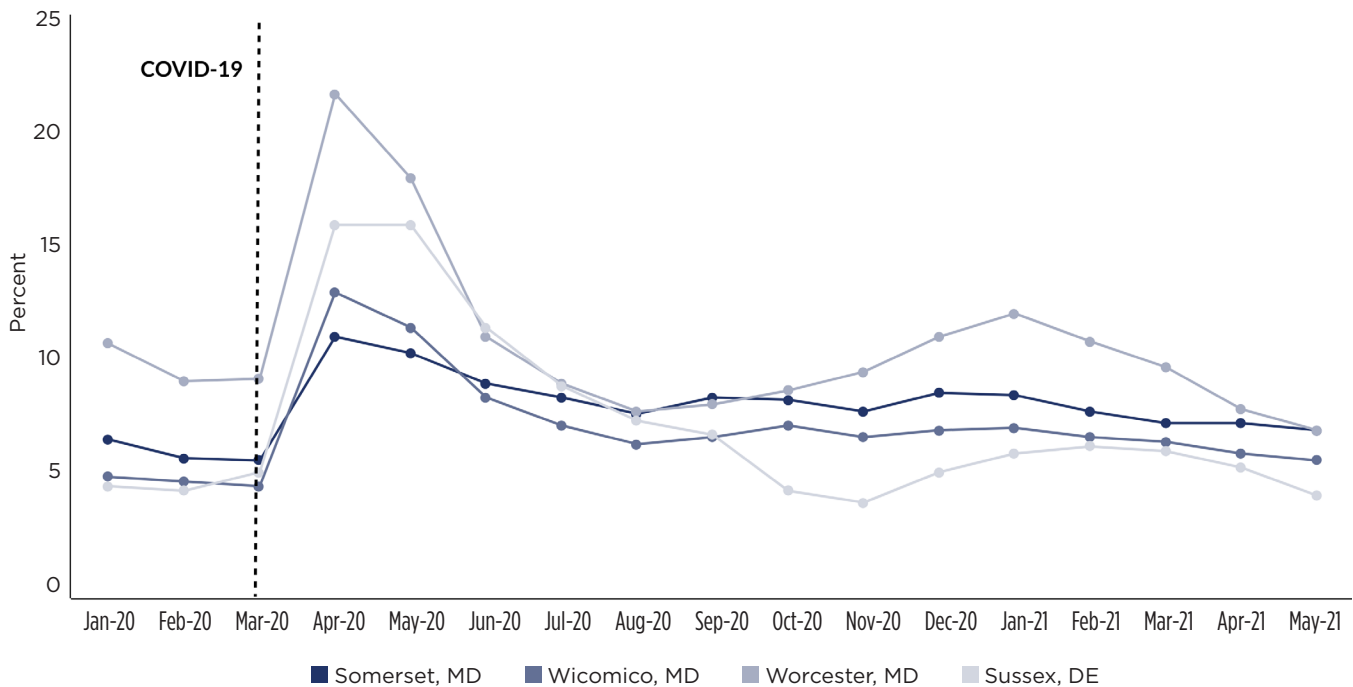
## 11.3 COVID-19 CASES AND DEATHS IN THE TRI-COUNTY REGION OF MARYLAND AND SUSSEX COUNTY, DELAWARE

For current cases and deaths due to COVID-19 visit the Maryland Department of Health <https://coronavirus.maryland.gov>.

## 11.4 UNEMPLOYMENT RATES

As expected, unemployment rates rose in April 2020 for all counties when stay-at-home orders were first in place. Illustrated in Figure 42 below, as counties began slowly reopening some businesses in May 2020, the unemployment rate gradually began to go down. As of mid-2021, unemployment rates have stabilized for the Tri-County Region and Sussex County, DE. When unemployment rates rise, there is a potential impact on health insurance coverage and healthcare access if jobs are lost include employer-sponsored healthcare.

FIGURE 42: UNEMPLOYMENT RATE (POPULATION 16+)



U.S. Bureau of Labor Statistics

## 11.5 COMMUNITY FEEDBACK

The community survey, focus groups, and key informant interviews were used to capture insights and perspectives of the health needs of the Tri-County Region and Sussex County, DE. Included in these primary data collection tools were questions specific to COVID-19. Survey respondents were specifically asked about the biggest challenges their households were currently facing due to COVID-19. This question had the following answers from respondents:

- 55.5% Reported not knowing when the pandemic will end
- 42.0% Reported feeling nervous or anxious
- 27.6% Reported feeling alone/isolated
- 20.5% Reported challenges for my children attending school

Additionally, the information highlighted below summarizes insights from the focus groups and key informant interviews regarding the impact of COVID-19 on their community.

TABLE 7. COVID-19 PRIMARY DATA INSIGHTS

FOCUS GROUP INSIGHTS	KEY INFORMANT INSIGHTS
Parents concerned and stressed with children attending school, possibly getting sick, or schools closing; lack of childcare services available or open	Local health departments and health services organizations experiencing burden with staffing shortages and in-turn negatively affects community need
Low-income families struggling to keep their homes and/or losing employment	Financial impact on local community has been significant
Patients whose need routine healthcare or lab work are unable to get it; general access to care being worsened by closures or delays	Problems with testing coordination and availability; schools/students heavily affected
Misinformation; vaccination hesitancy/confusion; conflicting information around vaccinations from healthcare professionals, especially for immigrant populations and older adults	Technology gap in immigrant communities specifically; lack of clear communication; hesitancy to trust/get vaccination

## 11.6 SIGNIFICANT HEALTH NEEDS AND COVID-19 IMPACT

Each of the three prioritized health needs appeared to worsen throughout the duration of the COVID-19 pandemic according to information gathered through primary data as discussed in the Prioritized Health Needs section of this report.

### 11.6.1 COVID-19 IMPACT SNAPSHOT DATA SOURCES

As local, state, and national data are updated and become available, these data can continue to help inform approaches to meeting existing and developing needs related to the pandemic. Recommended data sources for the Tri-County Region in MD and Sussex County, DE, are included here:

#### National Data Sources

Data from the following national websites are updated regularly and may provide additional information into the impact of COVID-19:

- United States National Response to COVID-19 <https://www.usa.gov/coronavirus>
- Centers for Disease Control and Prevention: <https://www.cdc.gov/>
- U.S. Department of Health and Human Services: <https://www.hhs.gov/>
- Centers for Medicare and Medicaid: <https://www.cms.gov/>
- U.S. Department of Labor: <https://www.dol.gov/coronavirus>
- Johns Hopkins Coronavirus Resource Center: <https://coronavirus.jhu.edu/us-map>
- National Association of County and City Health Officials: <https://www.naccho.org/>
- Feeding America (The Impact of the Coronavirus on Food Insecurity): <https://www.feedingamerica.org/>

#### Maryland and Delaware State Data Sources

Data from the following websites are updated regularly and may provide additional information into the impact of COVID-19:

- Maryland Department of Health: <https://health.maryland.gov>
- Somerset County Health Department: <https://somersethealth.org/>
- Wicomico County Health Department: <https://www.wicomicohealth.org/>

# CONCLUSION



This collaborative Community Health Needs Assessment (CHNA) provided a comprehensive picture of health in the Tri-County Region and Sussex County, DE. This report helps meet IRS requirements of TidalHealth as a non-profit health system and is part of the essential services of local public health departments based on standards by the Public Health Accreditation Board.

This assessment was completed through a collaborative effort that integrated the CHNA process of the two TidalHealth hospitals and the two local health departments in Somerset County and Wicomico County. This group partnered with Conduent Healthy Communities Institute to conduct this 2022 CHNA.

This process was used to determine the 12 significant health needs in the Tri-County Region and Sussex, DE. The prioritization process identified three top health needs: Access and Health Equity, Behavioral Health (including Mental Health and Alcohol & Drug Use), and Chronic Disease and Wellness (including Diabetes, Cancer, Heart Disease and Stroke, Nutrition & Healthy Eating/Physical Activity/Weight Status, and Other Conditions/Older Adults).

The findings in this report will be used to guide the development of the TidalHealth hospitals' Implementation Strategy Plans as well as the health departments' Community Health Improvement Plans (CHIP), which will outline strategies to address identified priorities and improve the health of the community.

# APPENDICES SUMMARY

## **A SECONDARY DATA METHODOLOGY AND DATA SCORING TABLES, SOCIONEEDS INDEX® SUITE METHODOLOGIES**

A detailed overview of the Conduent HCI Data Scoring methodology and indicator scoring results from the secondary data analysis. This section also includes the Index of Disparity methodology and the methodologies for the Health Equity Index, Food Insecurity Index, and Mental Health Index.

## **B PRIMARY DATA ASSESSMENT TOOLS (COMMUNITY INPUT)**

Quantitative and qualitative community feedback data collection tools that were vital in capturing community feedback during this collaborative CHNA:

- Community Survey
- Focus Group Guide
- Key Informant Interview Questions

## **C COMMUNITY RESOURCES/POTENTIAL COMMUNITY PARTNERS**

This document highlights existing resources that organizations are currently using and available widely in the community. Additionally, this lists potential community partners who were identified in the qualitative data collection process for this CHNA.

## **D 2019-2022 IMPLEMENTATION STRATEGY PLAN/CHIP**

This document is the strategic plan shared by TidalHealth and Somerset & Wicomico County Health Departments as their actionable plan following their previous CHNA.

# SECONDARY DATA METHODOLOGY

## SECONDARY DATA SOURCES

The main source for the secondary data, or data that has been previously collected, is the TidalHealth Community Health Research and Data platform, a publicly available data platform that is maintained by the partnership and Conduent Healthy Communities Institute.

The following is a list of both local and national sources for which data is maintained for the Tri-County Region and Sussex County, DE on the community health research and data platform.

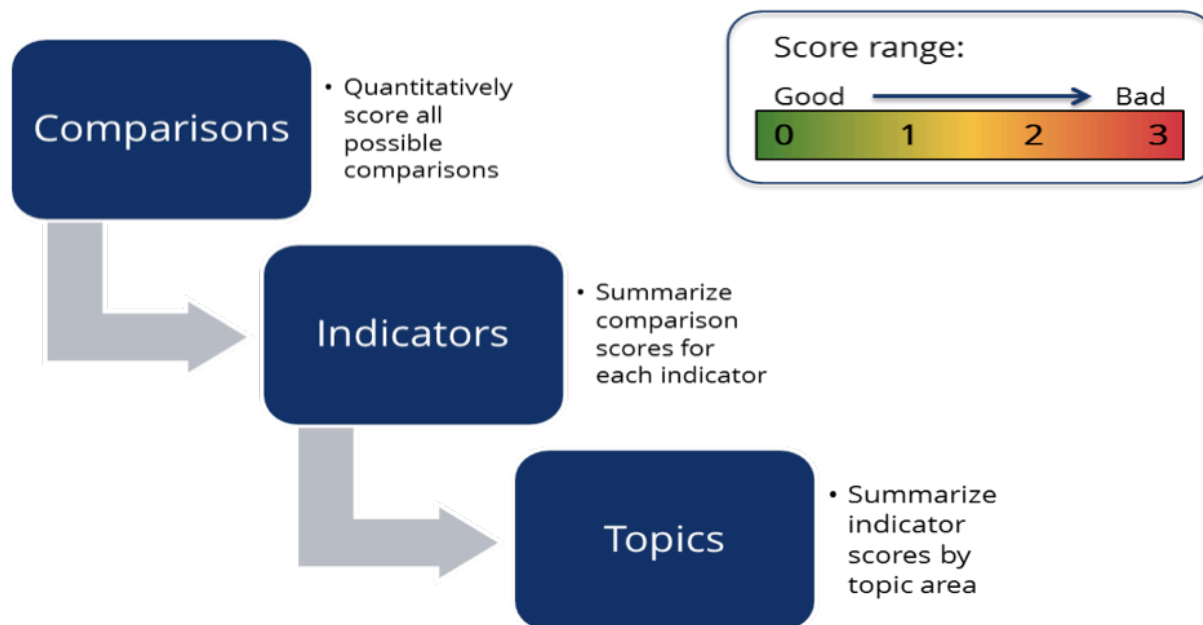
- American Community Survey
- Annie E. Casey Foundation
- CDC — PLACES
- Centers for Disease Control and Prevention
- Centers for Medicare & Medicaid Services
- County Health Rankings
- Feeding America
- Healthy Communities Institute
- Maryland Behavioral Risk Factor Surveillance System
- Maryland Department of Health
- Maryland Department of the Environment
- Maryland Governor's Office for Children
- Maryland Governor's Office of Crime Control & Prevention
- Maryland State Board of Elections
- Maryland State Department of Education
- Maryland Youth Risk Behavior Survey/Youth Tobacco Survey
- National Cancer Institute
- National Center for Education Statistics
- National Environmental Public Health Tracking Network
- U.S. Bureau of Labor Statistics
- U.S. Census — County Business Patterns
- U.S. Census Bureau — Small Area Health Insurance Estimates
- U.S. Department of Agriculture — Food Environment Atlas
- United For ALICE
- Delaware Department of Health and Social Services, Division of Public Health
- Delaware Office of the State Election Commissioner
- Delaware School Survey
- Delaware Youth Risk Behavior Survey
- Behavioral Risk Factor Surveillance System



## SECONDARY DATA SCORING

### SECONDARY DATA SCORING DETAILED METHODOLOGY

Data Scoring is done in three stages:



For each indicator, each county within the Tri-County Region and Sussex County, DE is assigned a score based on its comparison to other communities, whether health targets have been met, and the trend of the indicator value over time. These comparison scores range from 0-3, where 0 indicates the best outcome and 3 the worst. Availability of each type of comparison varies by indicator and is dependent upon the data source, comparability with data collected for other communities, and changes in methodology over time.

Indicators are categorized into topic areas and each topic area receives a score. Indicators may be categorized in more than one topic area. Topic scores are determined by the comparisons of all indicators within the topic.

#### Comparison to a Distribution of County Values: Within State and Nation

For ease of interpretation and analysis, indicator data on the Community Dashboard is visually represented as a green-yellow-red gauge showing how the community is faring against a distribution of counties in the state or the United States. A distribution is created by taking all county values within the state or nation, ordering them from low to high, and dividing them into three groups (green, yellow, red) based on their order. Indicators with the poorest comparisons (“in the red”) scored high, whereas indicators with good comparisons (“in the green”) scored low.

**Comparison to Values: State, National, and Targets**

The county is compared to the state value, the national value, and target values. Targets values include the nation-wide Healthy People 2030 (HP2030) goals. Healthy People 2030 goals are national objectives for improving the health of the nation set by the Department of Health and Human Services' (DHHS) Healthy People Initiative. For all value comparisons, the scoring depends on whether the county value is better or worse than the comparison value, as well as how close the county value is to the target value.

**Trend Over Time**

The Mann-Kendall statistical test for trend was used to assess whether the county value is increasing over time or decreasing over time, and whether the trend is statistically significant. The trend comparison uses the four most recent comparable values for the county, and statistical significance is determined at the 90% confidence level. For each indicator with values available for four time periods, scoring was determined by direction of the trend and statistical significance.

**Missing Values**

Indicator scores are calculated using the comparison scores, availability of which depends on the data source. If the comparison type is possible for an adequate proportion of indicators on the community dashboard, it will be included in the indicator score. After exclusion of comparison types with inadequate availability, all missing comparisons are substituted with a neutral score for the purposes of calculating the indicator's weighted average. When information is unknown due to lack of comparable data, the neutral value assumes that the missing comparison score is neither good nor bad.

**Indicator Scoring**

Indicator scores are calculated as a weighted average of all included comparison scores. If none of the included comparison types are possible for an indicator, no score is calculated and the indicator is excluded from the data scoring results.

**Topic Scoring**

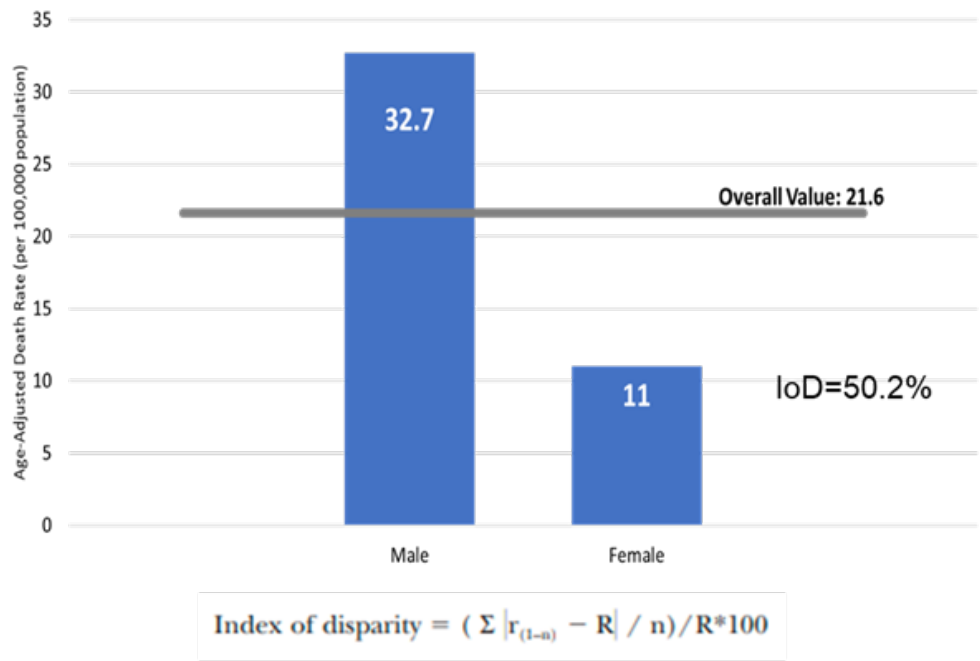
Indicator scores are averaged by topic area to calculate topic scores. Each indicator may be included in up to three topic areas if appropriate. Resulting scores range from 0-3, where a higher score indicates a greater level of need as evidenced by the data. A topic score is only calculated if it includes at least three indicators.

**INDEX OF DISPARITY**

The Index of Disparity (IoD) identified large disparities based on how far each subgroup (by race/ethnicity or gender) is from the overall county value. This analysis provides a percent value, based on the absolute difference from the overall value for each breakout category in a subgroup, which is a summary of how different each subgroup is from the overall value. For example, Figure 1A shows an example of Age-Adjusted Death Rate due to Suicide by Gender. Most often, gender (the subgroup) has two breakout categories: male and female. First, the IoD sums

the absolute difference between the male value and the overall county value and the difference between the female value and the overall value, divided by the overall county value to get a percent. In this case, the IoD is 50.2% for gender. This would be completed for race/ethnicity, which typically has more breakout categories available. Finally, those IoD values for gender and race/ethnicity can be compared to see where disparities may exist, and which groups are driving those disparities. When available, the IoD value can be used to show if progress has been made in addressing disparities over time.

FIGURE 1A. EXAMPLE OF IOD CALCULATION: AGE-ADJUSTED DEATH RATE DUE TO SUICIDE, BY GENDER



For this analysis, indicators with a high disparity were identified. This means that the IoD values for either race or gender for the indicator were in the top twenty-five percent of all index values for all available indicators. IoD values were tracked over time, when available, for indicators within the top health needs identified with the Data Scoring Tool. These findings are shown alongside relevant secondary data throughout this report.

## HEALTH EQUITY INDEX

Every community can be described by various social and economic factors that can contribute to disparities in health outcomes. Conduent HCI's Health Equity Index (formerly SocioNeeds Index) considers validated indicators related to income, employment, education, and household environment to identify areas at highest risk for experiencing health inequities.

### How is the index value calculated?

The national index value (from 0 to 100) is calculated for each zip code, census tract, and county in the U.S. Communities with the highest index values are estimated to have the highest socioeconomic needs correlated with preventable hospitalizations and premature death.

**What do the ranks and colors mean?**

Ranks and colors help to identify the relative level of need within a community or service area. The national index value for each location is compared to all other similar locations within the community area to assign a relative rank (from 1 to 5) locally. These ranks are used to color the map and chart for the Health Equity Index, with darker coloring associated with higher relative need.

**FOOD INSECURITY INDEX**

Every community can be described by various health, social, and economic factors that can contribute to disparities in outcomes and opportunities to thrive. Conduent HCI's Food Insecurity Index considers validated indicators related to income, household environment, and wellbeing to identify areas at highest risk for experiencing food insecurity.

**How is the index value calculated?**

The national index value (from 0 to 100) is calculated for each zip code, census tract, and county in the U.S. Communities with the highest index values are estimated to have the highest food insecurity, which is correlated with household and community measures of food-related financial stress such as Medicaid and SNAP enrollment.

**What do the ranks and colors mean?**

Ranks and colors help to identify the relative level of need within a community or service area. The national index value for each location is compared to all other similar locations within the community area to assign a relative rank (from 1 to 5) locally. These ranks are used to color the map and chart for the Food Insecurity Index, with darker coloring associated with higher relative need.

**MENTAL HEALTH INDEX**

Every community can be described by various health, social, and economic factors that can contribute to disparities in mental health outcomes. Conduent HCI's Mental Health Index considers validated indicators related to access to care, physical health status, transportation, employment, and household environment to identify areas at highest risk for experiencing poor mental health.

**How is the index value calculated?**

The national index value (from 0 to 100) is calculated for each zip code, census tract, and county in the U.S. Communities with the highest index values are estimated to have the highest socioeconomic and health needs correlated with self-reported poor mental health.

**What do the ranks and colors mean?**

Ranks and colors help to identify the relative level of need within a community or service area. The national index value for each location is compared to all other similar locations within the community area to assign a relative rank (from 1 to 5) locally. These ranks are used to color the map and chart for the Mental Health Index, with darker coloring associated with higher relative need.

## COLLABORATIVE SERVICE AREA TOPICS

### COLLABORATIVE SERVICE AREA WEIGHTED ANALYSIS: TOPIC SCORES

<b>Top 10 Health Needs</b>	<b>wt avg</b>	<b>Top Quality of Life Topics</b>	<b>wt avg</b>
Other Conditions	1.90	Community	1.51
Prevention & Safety	1.84	Health Care Access & Quality	1.51
Heart Disease & Stroke	1.78	Environmental Health	1.48
Oral Health	1.71	Education	1.43
Wellness & Lifestyle	1.70	Economy	1.42
Alcohol & Drug Use	1.63		
Older Adults	1.58		
Physical Activity	1.55		
Adolescent Health	1.49		
Diabetes	1.47		
Mental Health & Mental Disorders	1.43		

### WEIGHTED TOPICS: FULL LIST

<b>Health and Quality of Life Topics</b>	<b>wt avg</b>
Other Conditions	1.90
Prevention & Safety	1.84
Heart Disease & Stroke	1.78
Oral Health	1.71
Wellness & Lifestyle	1.70
Alcohol & Drug Use	1.63
Older Adults	1.58
Physical Activity	1.55
Health Care Access & Quality	1.51
Community	1.51
Adolescent Health	1.49
Environmental Health	1.48
Diabetes	1.47
Mental Health & Mental Disorders	1.43
Respiratory Diseases	1.43
Education	1.43
Economy	1.42
Children's Health	1.41
Immunizations & Infectious Diseases	1.40
Cancer	1.40
Sexually Transmitted Infections	1.37
Women's Health	1.33
Weight Status	0.73
Maternal, Fetal & Infant Health	0.66
Tobacco Use	0.65

SOMERSET DATA SCORING

SOMERSET SOURCES

Key	Source
1	American Community Survey
2	Annie E. Casey Foundation
3	CDC - PLACES
4	Centers for Disease Control and Prevention
5	Centers for Medicare & Medicaid Services
6	County Health Rankings
7	Feeding America
8	Healthy Communities Institute
9	Maryland Behavioral Risk Factor Surveillance System
10	Maryland Department of Health
11	Maryland Department of the Environment
12	Maryland Governor's Office for Children
13	Maryland Governor's Office of Crime Control & Prevention
14	Maryland State Board of Elections
15	Maryland State Department of Education
16	Maryland Youth Risk Behavior Survey/Youth Tobacco Survey
17	National Cancer Institute
18	National Center for Education Statistics
19	National Environmental Public Health Tracking Network
20	U.S. Bureau of Labor Statistics
21	U.S. Census - County Business Patterns
22	U.S. Census Bureau - Small Area Health Insurance Estimates
23	U.S. Department of Agriculture - Food Environment Atlas
24	United For ALICE

## SOMERSET TOPICS

<b>Health and Quality of Life Topics</b>	<b>Score</b>
Diabetes	2.25
Weight Status	2.23
Wellness & Lifestyle	2.07
Economy	2.02
Maternal, Fetal & Infant Health	2.01
Prevention & Safety	1.97
Sexually Transmitted Infections	1.90
Heart Disease & Stroke	1.87
Respiratory Diseases	1.86
Older Adults	1.81
Education	1.80
Immunizations & Infectious Diseases	1.78
Other Conditions	1.77
Environmental Health	1.76
Physical Activity	1.73
Tobacco Use	1.70
Oral Health	1.67
Community	1.66
Women's Health	1.62
Cancer	1.62
Mental Health & Mental Disorders	1.61
Adolescent Health	1.57
Children's Health	1.27
Health Care Access & Quality	1.27
Alcohol & Drug Use	1.23

## SOMERSET COUNTY INDICATORS

SCORE	ADOLESCENT HEALTH	UNITS	COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.98	Adolescents who are Obese	percent	18.8		12.6		2016		10
1.58	Adolescents who Use Tobacco	percent	22		23		2016		10
1.58	Teens who Smoke Cigarettes: High School Students	percent	9.7		5		2018		16
1.45	Teen Birth Rate: 15-19	live births/ 1,000 females aged 15-19	15.8		13.9	16.7	2019		10
1.28	Adolescents who have had a Routine Checkup: Medicaid Population	percent	59.3		54.6		2017		10
SCORE	ALCOHOL & DRUG USE	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.38	Liquor Store Density	stores/ 100,000 population	23.4		20.5	10.5	2019		21
1.63	Death Rate due to Drug Poisoning	deaths/ 100,000 population	27.2		38.3	21	2017-2019		6
1.28	Age-Adjusted Drug and Opioid-Involved Overdose Death Rate	Deaths per 100,000 population	28.3		38.2	22.8	2017-2019		4
1.25	Age-Adjusted ER Rate due to Alcohol/Substance Abuse	ER visits/ 100,000 population	1538.3		2017		2017		10
0.83	Adults who Binge Drink	percent	10.8		15.4	16	2014	Black (22.1) White (6.7) Hisp (37.9)	9
0.68	Age-Adjusted Death Rate due to Drug Use	deaths/ 100,000 population	0		12.1	12.7	2008-2010		10
0.55	Alcohol-Impaired Driving Deaths	percent of driving deaths with alcohol involvement	22.2	28.3	28.8	27	2015-2019		6
SCORE	CANCER	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.63	Breast Cancer Incidence Rate	cases/ 100,000 females	141.7		132.9	125.9	2013-2017		17
2.50	Age-Adjusted Death Rate due to Cancer	deaths/ 100,000 population	187.7	122.7	155.1	155.5	2013-2017		17
2.35	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	68.2	25.1	37.2	38.5	2013-2017		17
2.25	Age-Adjusted Death Rate due to Prostate Cancer	deaths/ 100,000 males	38.1	16.9	26.7		2005-2009		17
2.13	Colorectal Cancer Incidence Rate	cases/ 100,000 population	44.1		36.4	38.4	2013-2017		17
2.10	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	13.8		11.1	11.8	2013-2017		17
2.03	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	79.7		56.4	58.3	2013-2017		17
1.95	Mammogram in Past 2 Years: 50+	percent	58.5		66.3		2016		9
1.88	Cervical Cancer Screening: 21-65	Percent	82.5			84.7	2018		3
1.80	Colon Cancer Screening	percent	64.3	74.4		66.4	2018		3
1.60	Mammogram in Past 2 Years: 50-74	percent	72.5	77.1		74.8	2018		3
1.38	Pap Test in Past 3 Years	percent	69.8		70.3		2018		9
1.08	Prostate Cancer Incidence Rate	cases/ 100,000 males	107.3		124.7	104.5	2013-2017		17
0.98	Adults with Cancer	percent	6.7			6.9	2018		3
0.93	Cancer: Medicare Population	percent	8.2		9.2	8.4	2018		5
0.93	Colon Cancer Screening: Sigmoidoscopy or Colonoscopy	percent	84.4		75.7		2018		9
0.30	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	19.3	15.3	24.5	22.6	2006-2010		17
0.30	Age-Adjusted Death Rate due to Colorectal Cancer	deaths/ 100,000 population	12.1	8.9	14.2	14.5	2011-2015		17
SCORE	CHILDREN'S HEALTH	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.40	Child Food Insecurity Rate	percent	27.9		16.1	15.2	2018		7
1.95	Projected Child Food Insecurity Rate	percent	37.2				2020		7
1.30	Children with Health Insurance	percent	96.5		96.8		2018		22
1.28	Child Abuse Rate	cases/ 1,000 children	6.2		5.7		2018		12
1.20	Children with Low Access to a Grocery Store	percent	2.6				2015		23
0.78	Blood Lead Levels in Children	percent	0		0.2		2019		11
0.75	Food Insecure Children Likely Ineligible for Assistance	percent	1		32	25	2018		7
0.53	Children who Visited a Dentist	percent	71.5		63.7		2017		10
SCORE	COMMUNITY	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.35	People Living Below Poverty Level	percent	21.7	8	9.2	13.4	2015-2019		1
2.28	Children Living Below Poverty Level	percent	33.4		12.1	18.5	2015-2019		1
2.28	Homeownership	percent	48.7		60.2	56.2	2015-2019		1
2.28	Households without a Vehicle	percent	11.6		9	8.6	2015-2019		1
2.28	Median Household Income	dollars	37803		84805	62843	2015-2019		1
2.28	People 25+ with a Bachelor's Degree or Higher	percent	14.4		40.2	32.1	2015-2019	an (4.5) AIAN (6.1) NHPi (100) Mult	1
2.28	Per Capita Income	dollars	18772		42122	34103	2015-2019		1
2.28	Single-Parent Households	percent	35.6		26.4	25.5	2015-2019		1
2.25	Households with an Internet Subscription	percent	74.2		86.7	83	2015-2019		1
2.23	Pedestrian Injuries	injuries/ 100,000 population	92.6		53.5		2017		10
2.03	Persons with an Internet Subscription	percent	77.8		89.4	86.2	2015-2019		1
2.00	Workers Commuting by Public Transportation	percent	0.8	5.3	8.4	5	2015-2019		1
1.98	People 25+ with a High School Degree or Higher	percent	81.3		90.2	88	2015-2019		1
1.95	Households with No Car and Low Access to a Grocery Store	percent	5				2015		23
1.95	Households with One or More Types of Computing Devices	percent	83.4		92.4	90.3	2015-2019		1



# SECTION 13 APPENDICES

1.93	Violent Crime Rate	crimes/ 100,000 population	414.4		394	2017	13		
1.83	Voter Registration	percent	60.3	83.6		2016	14		
1.68	People 65+ Living Alone	percent	27.1	26	26.1	2015-2019	1		
1.28	Child Abuse Rate	cases/ 1,000 children	6.2	5.7		2018	12		
1.08	Persons with Health Insurance	percent	92.5	92.1	93.1	2018	22		
1.05	Mean Travel Time to Work	minutes	24.4	33.2	26.9	2015-2019	1		
		offenses/ 100,000							
1.03	Domestic Violence Offense Rate	population	420.6	537.1		2017	10		
0.98	Workers who Drive Alone to Work	percent	78	73.9	76.3	2015-2019	1		
0.93	Solo Drivers with a Long Commute	percent	34.3	50.2	37	2015-2019	6		
		membership associations/ 10,000 population							
0.78	Social Associations	population	11.3	9	9.3	2018	6		
		percent of driving deaths with alcohol involvement							
0.55	Alcohol-Impaired Driving Deaths	percent	22.2	28.3	28.8	2015-2019	6		
0.48	Youth not in School or Working	percent	0	1.9	1.9	2015-2019	1		
0.23	Workers who Walk to Work	percent	6.5	2.3	2.7	2015-2019	± (3.1) Asian (7.1) NHPI (0) Mult (0)		
SCORE	DIABETES	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.30	Adults with Diabetes	percent	20.1		11.1	10.9	2018		9
2.28	Diabetes: Medicare Population	percent	34		29.6	27	2018		5
		ER Visits/ 100,000							
2.23	Age-Adjusted ER Rate due to Diabetes	population	381		243.7		2017		10
		deaths/ 100,000							
2.18	Age-Adjusted Death Rate due to Diabetes	population	25.2		19.9	21.2	2010-2012		10
SCORE	ECONOMY	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.78	Households with Cash Public Assistance Income	percent	4.6		2.2	2.4	2015-2019		1
	Renters Spending 30% or More of Household Income on Rent	percent	67.4		49.7	49.6	2015-2019		1
2.53	Severe Housing Problems	percent	24.5		16.2	18	2013-2017		6
2.40	Child Food Insecurity Rate	percent	27.9		16.1	15.2	2018		7
2.40	Food Insecurity Rate	percent	16.6		11	11.5	2018		7
2.40	People Living 200% Above Poverty Level	percent	51.6		78.4	69.1	2015-2019		1
2.35	People Living Below Poverty Level	percent	21.7	8	9.2	13.4	2015-2019		1
2.28	Children Living Below Poverty Level	percent	33.4		12.1	18.5	2015-2019		1
2.28	Families Living Below Poverty Level	percent	17		6.1	9.5	2015-2019	ian (59.2) AIAN (0) NHPI (0) Mult (	1
2.28	Homeowner Vacancy Rate	percent	3.5		1.7	1.6	2015-2019		1
2.28	Homeownership	percent	48.7		60.2	56.2	2015-2019		1
2.28	Median Household Income	dollars	37803		84805	62843	2015-2019		1
2.28	Per Capita Income	dollars	18772		42122	34103	2015-2019		1
2.28	Unemployed Workers in Civilian Labor Force	percent	7.5		5.9	5.7	Apr-21		20
2.13	Persons with Disability Living in Poverty (5-year)	percent	30.3		20.9	26.1	2015-2019		1
2.10	Low-Income and Low Access to a Grocery Store	percent	12				2015		23
2.08	Households that are Above the Asset Limited, Income Constrained, Employed (ALICE) Threshold	percent	42.5		61		2018		24
2.08	Households that are Below the Federal Poverty Level	percent	20.2		9		2018		24
1.98	People 65+ Living Below Poverty Level	percent	9.6		7.7	9.3	2015-2019	i.1) White (7.9) NHPI (0) Mult (0) H	1
1.95	Households that are Asset Limited, Income Constrained, Employed (ALICE)	percent	37.3		30		2018		24
1.95	Projected Child Food Insecurity Rate	percent	37.2				2020		7
1.95	Projected Food Insecurity Rate	percent	21.9				2020		7
1.95	WIC Certified Stores	stores/ 1,000 population	0.1				2016		23
1.73	Overcrowded Households	percent of households	1.6		2.3		2015-2019		1
1.68	Students Eligible for the Free Lunch Program	percent	56.8				2019-2020		18
1.63	SNAP Certified Stores	stores/ 1,000 population	0.7				2017		23
0.78	Affordable Housing	percent	86.2		48.1		2016		10
0.75	Food Insecure Children Likely Ineligible for Assistance	percent	1		32	25	2018		7
0.48	Youth not in School or Working	percent	0		1.9	1.9	2015-2019		1
SCORE	EDUCATION	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.33	3rd Grade Students Proficient in Math	percent	17.4		42.5		2019		2
2.30	High School Graduation	percent	82.4	90.7	86.8		2020		15
2.28	People 25+ with a Bachelor's Degree or Higher	percent	14.4		40.2	32.1	2015-2019	an (4.5) AIAN (6.1) NHPI (100) Mult	1
2.08	3rd Grade Students Proficient in Reading	percent	23.6		41.2		2019		2
1.98	People 25+ with a High School Degree or Higher	percent	81.3		90.2	88	2015-2019		1
1.95	8th Grade Students Proficient in Reading	percent	37.1		45.1		2019		2
1.08	8th Grade Students Proficient in Math	percent	17.4		12.5		2019		2
1.08	School Readiness at Kindergarten Entry	percent	60		47		2019-2020		15
1.08	Student-to-Teacher Ratio	students/ teacher	12.9				2019-2020		18
SCORE	ENVIRONMENTAL HEALTH	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.55	Adults with Asthma	percent	23.6		14.9	14.9	2019		9
2.53	Severe Housing Problems	percent	24.5		16.2	18	2013-2017		6
2.38	Liquor Store Density	stores/ 100,000 population	23.4		20.5	10.5	2019		21
2.28	Food Environment Index		6.5		8.7	7.8	2021		6
2.25	Access to Exercise Opportunities	percent	61		92.6	84	2020		6
		ER visits/ 10,000							
2.23	Age-Adjusted ER Rate due to Asthma	population	122.9		68.4		2017		10
2.18	Adults with Current Asthma	percent	11			9.2	2018		3
2.18	Daily Dose of UV Irradiance	Joule per square meter	2700		2499		2015		19

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2.10	Low-Income and Low Access to a Grocery Store	percent	12			2015	23
1.95	Households with No Car and Low Access to a Grocery Store	percent	5			2015	23
1.95	WIC Certified Stores	stores/ 1,000 population	0.1			2016	23
1.80	Recreation and Fitness Facilities	facilities/ 1,000 population	0			2016	23
1.73	Overcrowded Households	percent of households	1.6	2.3		2015-2019	1
1.65	Grocery Store Density	stores/ 1,000 population	0.2			2016	23
1.65	People with Low Access to a Grocery Store	percent	22.7			2015	23
1.63	Months of Mild Drought or Worse	months per year	4			2016	19
1.63	Number of Extreme Heat Days	days	26			2016	19
1.63	Number of Extreme Heat Events	events	7			2016	19
1.63	Number of Extreme Precipitation Days	days	31			2016	19
1.63	SNAP Certified Stores	stores/ 1,000 population	0.7			2017	23
1.35	People 65+ with Low Access to a Grocery Store	percent	1.9			2015	23
1.20	Children with Low Access to a Grocery Store	percent	2.6			2015	23
1.05	Farmers Market Density	markets/ 1,000 population	0.1			2018	23
0.93	Fast Food Restaurant Density	population	0.4			2016	23
0.78	Asthma: Medicare Population	percent	4.2	5.4	5	2018	5
0.78	Blood Lead Levels in Children	percent	0	0.2		2019	11

SCORE	HEALTH CARE ACCESS & QUALITY	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.30	Adults who Visited a Dentist	percent	52		66.3	67.6	2018		9
1.90	Primary Care Provider Rate	providers/ 100,000 population	35.1		88.6		2018		6
1.75	Non-Physician Primary Care Provider Rate	providers/ 100,000 population	74.2		115.1		2020		6
1.70	Adults who have had a Routine Checkup	percent	85.7		88.2	83.6	2016		9
1.30	Children with Health Insurance	percent	96.5		96.8		2018		22
1.28	Adolescents who have had a Routine Checkup: Medicaid Population	percent	59.3		54.6		2017		10
1.28	People with a Usual Primary Care Provider	percent	87.5	84	84.8		2016		10
1.20	Adults with Health Insurance: 18-64	percent	91.1		91.7		2018		22
1.70	Adults who have had a Routine Checkup	percent	85.7		88.2	83.6	2016		9
1.08	Persons with Health Insurance	percent	92.5	92.1	93.1		2018		22
1.08	Uninsured Emergency Department Visits	percent	6.4		8.6		2017		10
0.75	Mental Health Provider Rate	providers/ 100,000 population	292.8		274.9		2020		6
0.68	Adults Unable to Afford to See a Doctor	percent	6.7		10.1	13.1	2014	Black (5) White (5.7) Other (85.1)	9
0.53	Children who Visited a Dentist	percent	71.5		63.7		2017		10
0.45	Dentist Rate	dentists/ 100,000 population	210.8		79.4		2019		6

SCORE	HEART DISEASE & STROKE	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.78	Hypertension: Medicare Population	percent	68.5		61.2	57.2	2018		5
2.48	Stroke: Medicare Population	percent	4.8		4.5	3.8	2018		5
2.23	Age-Adjusted ER Rate due to Hypertension	ER Visits/ 100,000 population	460.4		351.2		2017		10
2.18	Atrial Fibrillation: Medicare Population	percent	9		8.2	8.4	2018		5
2.13	High Blood Pressure Prevalence	percent	48.3	27.7	32.2	32.3	2019		9
2.08	Hyperlipidemia: Medicare Population	percent	53.9		51.9	47.7	2018		5
2.05	High Cholesterol Prevalence	percent	38.4		31.3	33.1	2019		9
2.03	Adults who Experienced a Stroke	percent	4.5		3.4		2018		3
1.83	Heart Failure: Medicare Population	percent	14.1		12.6	14	2018		5
1.80	Age-Adjusted Hospitalization Rate due to Heart Attack	hospitalizations/ 10,000 population 35+ years	28.5		23.9		2014		19
1.75	Age-Adjusted Death Rate due to Heart Disease	deaths/ 100,000 population	284.9		161.9	723.5	2017-2019		10
1.73	Adults who Experienced Coronary Heart Disease	percent	8.2			6.8	2018		3
1.73	Adults who Have Taken Medications for High Blood Pressure	percent	76.9			75.8	2017		3
1.73	Cholesterol Test History	percent	80.8			81.5	2017		3
1.68	Ischemic Heart Disease: Medicare Population	percent	27.7		26.4	26.8	2018		5
1.43	High Cholesterol Prevalence: Adults 18+	percent	35.3			34.1	2017		3
1.18	Age-Adjusted Death Rate due to Heart Attack	deaths/ 100,000 population 35+ years	36.9		45.9		2016		19
0.88	Age-Adjusted Death Rate due to Cerebrovascular Disease (Stroke)	deaths/ 100,000 population	28.5	33.4	36.5	37	2011-2013		10

SCORE	IMMUNIZATIONS & INFECTIOUS DISEASES	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.53	COVID-19 Daily Average Case-Fatality Rate	deaths per 100 cases	100		7.3	2.8	44386		8
2.30	Gonorrhea Incidence Rate	cases/ 100,000 population	266.2		170.3	179.1	2018		10
2.30	Salmonella Infection Incidence Rate	cases/ 100,000 population	113.2	11.1	16.5		2019		10
2.20	Chlamydia Incidence Rate	cases/ 100,000 population	721.5		586.3	539.9	2018		10
2.10	Adults with Influenza Vaccination	percent	29.5		41.7		2014		10
2.08	HIV Diagnosis Rate	cases/ 100,000 population	26.5		22.1		2016		10
2.03	Adults 65+ with Influenza Vaccination	percent	61.7		68.7	64	2019		9
2.00	Adults 65+ with Pneumonia Vaccination	percent	70.1		76.6	73.3	2019		9

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1.73	Adults Fully Vaccinated Against COVID-19	percent	39.8				10-Jun-21	4
1.73	Overcrowded Households	percent of households	1.6		2.3		2015-2019	1
1.00	Syphilis Incidence Rate	cases/ 100,000 population	7.7		12.2	10.8	2018	10
0.63	Tuberculosis Incidence Rate	cases/ 100,000 population	0	1.4	3.5	2.8	2018	10
0.48	COVID-19 Daily Average Incidence Rate	cases per 100,000 population	0.6		1.2	6.1	9-Jul-21	8
SCORE	MATERNAL, FETAL & INFANT HEALTH	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY* Source
2.53	Infant Mortality Rate	deaths/ 1,000 live births	18.3	5	6.4	5.8	2014-2018	10
2.45	Babies with Low Birth Weight	percent	10.7		8.7	8.3	2019	9
2.38	Preterm Births	percent	12.4	9.4	10.3	10	2019	10
2.33	Sudden Unexpected Infant Death Rate	deaths/ 1,000 live births	3.4		1	0.9	2011-2015	10
1.45	Teen Birth Rate: 15-19	live births/ 1,000 females aged 15-19	15.8		13.9	16.7	2019	10
0.93	Perinatal Deaths	per 1,000 live births plus fetal deaths of 28 or more weeks gestation	0		6.2		2018	10
SCORE	MENTAL HEALTH & MENTAL DISORDERS	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY* Source
2.33	Self-Reported Good Mental Health	percent	56.8		70.2		2019	9
2.25	Frequent Mental Distress	percent	15.7		11.4	13	2018	6
2.10	Poor Mental Health: Average Number of Days	days	4.6		3.7	4.1	2018	6
2.05	Self-Reported General Health Assessment: Good or Better	percent	72.7		85.8	82	2019	9
1.43	Depression: Medicare Population	percent	16.7		18	18.4	2018	5
1.33	Age-Adjusted Hospitalization Rate Related to Alzheimer's and Other Dementias	hospitalizations/ 100,000 population	365.1		515.5		2017	10
1.25	Age-Adjusted ER Rate due to Mental Health	ER Visits/ 100,000 population	3265.9		3796.7		2016	10
1.03	Alzheimer's Disease or Dementia: Medicare Population	percent	10		11.3	10.8	2018	5
0.75	Mental Health Provider Rate	providers/ 100,000 population	292.8		274.9		2020	6
SCORE	OLDER ADULTS	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY* Source
2.78	Chronic Kidney Disease: Medicare Population	percent	31.7		25.1	24.5	2018	5
2.78	Hypertension: Medicare Population	percent	68.5		61.2	57.2	2018	5
2.53	COPD: Medicare Population	percent	15.2		10.2	11.5	2018	5
2.48	Stroke: Medicare Population	percent	4.8		4.5	3.8	2018	5
2.28	Diabetes: Medicare Population	percent	34		29.6	27	2018	5
2.18	Atrial Fibrillation: Medicare Population	percent	9		8.2	8.4	2018	5
2.08	Hyperlipidemia: Medicare Population	percent	53.9		51.9	47.7	2018	5
2.03	Adults 65+ who Received Recommended Preventive Services: Males	percent	28.2			32.4	2018	3
2.03	Adults 65+ with Influenza Vaccination	percent	61.7		68.7	64	2019	9
2.03	Adults 65+ with Total Tooth Loss	percent	18.8			13.5	2018	3
2.00	Adults 65+ with Pneumonia Vaccination	percent	70.1		76.6	73.3	2019	9
1.98	People 65+ Living Below Poverty Level	percent	9.6		7.7	9.3	2015-2019	i:1) White (7.9) NHPi (0) Mult (0) H 1
1.88	Adults 65+ who Received Recommended Preventive Services: Females	percent	26.7			28.4	2018	3
1.88	Adults with Arthritis	percent	32.3			25.8	2018	3
1.83	Heart Failure: Medicare Population	percent	14.1		12.6	14	2018	5
1.68	Ischemic Heart Disease: Medicare Population	percent	27.7		26.4	26.8	2018	5
1.68	People 65+ Living Alone	percent	27.1		26	26.1	2015-2019	1
1.43	Depression: Medicare Population	percent	16.7		18	18.4	2018	5
1.43	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	33.3		34.6	33.5	2018	5
1.35	People 65+ with Low Access to a Grocery Store	percent	1.9				2015	23
1.33	Age-Adjusted Hospitalization Rate Related to Alzheimer's and Other Dementias	hospitalizations/ 100,000 population	365.1		515.5		2017	10
1.03	Alzheimer's Disease or Dementia: Medicare Population	percent	10		11.3	10.8	2018	5
0.93	Cancer: Medicare Population	percent	8.2		9.2	8.4	2018	5
0.88	Osteoporosis: Medicare Population	percent	4.8		6.4	6.6	2018	5
0.78	Asthma: Medicare Population	percent	4.2		5.4	5	2018	5
SCORE	ORAL HEALTH	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY* Source
2.30	Adults who Visited a Dentist	percent	52		66.3	67.6	2018	9
2.30	Adults with No Tooth Extractions	percent	45.5		60.3	58.9	2018	9
2.10	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	13.8		11.1	11.8	2013-2017	17
2.03	Adults 65+ with Total Tooth Loss	percent	18.8			13.5	2018	3
1.98	Age-Adjusted ER Visit Rate due to Dental Problems	ER Visits/ 100,000 population	982.2		362.7		2017	10
0.53	Children who Visited a Dentist	percent	71.5		63.7		2017	10
0.45	Dentist Rate	dentists/ 100,000 population	210.8		79.4		2019	6

## SECTION 13 APPENDICES

SCORE	OTHER CONDITIONS	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.78	Chronic Kidney Disease: Medicare Population	percent	31.7		25.1	24.5	2018		5
1.88	Adults with Arthritis	percent	32.3			25.8	2018		3
1.88	Adults with Kidney Disease	Percent of adults	3.5			3.1	2018		3
1.43	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	33.3		34.6	33.5	2018		5
0.88	Osteoporosis: Medicare Population	percent	4.8		6.4	6.6	2018		5
SCORE	PHYSICAL ACTIVITY	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.45	Adults with a Healthy Weight	percent	20.2		35.1	35.2	2014		10
2.30	Adults who are Overweight or Obese	percent	89.6		66.1	66.7	2019		9
2.28	Food Environment Index		6.5		8.7	7.8	2021		6
2.25	Access to Exercise Opportunities	percent	61		92.6	84	2020		6
2.18	Adults Who Are Obese	percent	66.7		32.1	32.1	2019		9
2.10	Low-Income and Low Access to a Grocery Store	percent	12				2015		23
1.98	Adolescents who are Obese	percent	18.8		12.6		2016		10
1.95	Households with No Car and Low Access to a Grocery Store	percent	5				2015		23
1.95	WIC Certified Stores	stores/ 1,000 population	0.1				2016		23
1.88	Adults Engaging in Regular Physical Activity	percent	39.2	28.4	51.8		2019		9
1.80	Recreation and Fitness Facilities	facilities/ 1,000 population	0				2016		23
1.65	Grocery Store Density	stores/ 1,000 population	0.2				2016		23
1.65	People with Low Access to a Grocery Store	percent	22.7				2015		23
1.63	SNAP Certified Stores	stores/ 1,000 population	0.7				2017		23
1.35	People 65+ with Low Access to a Grocery Store	percent	1.9				2015		23
1.20	Children with Low Access to a Grocery Store	percent	2.6				2015		23
1.05	Farmers Market Density	markets/ 1,000 population	0.1				2018		23
0.93	Fast Food Restaurant Density	restaurants/ 1,000 population	0.4				2016		23
0.23	Workers who Walk to Work	percent	6.5		2.3	2.7	2015-2019	e (3.1) Asian (7.1) NHPI (0) Mult (0)	1
SCORE	PREVENTION & SAFETY	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.53	Severe Housing Problems	percent	24.5		16.2	18	2013-2017		6
2.23	Pedestrian Injuries	injuries/ 100,000 population	92.6		53.5		2017		10
1.63	Death Rate due to Drug Poisoning	deaths/ 100,000 population	27.2		38.3	21	2017-2019		6
1.50	Age-Adjusted Death Rate due to Unintentional Injuries	deaths/ 100,000 population	33.7	43.2	26.6	39.7	2012-2014		10
SCORE	RESPIRATORY DISEASES	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.55	Adults with Asthma	percent	23.6		14.9	14.9	2019		9
2.53	COPD: Medicare Population	percent	15.2		10.2	11.5	2018		5
2.53	COVID-19 Daily Average Case-Fatality Rate	deaths per 100 cases	100		7.3	2.8	9-Jul-21		8
2.35	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	68.2	25.1	37.2	38.5	2013-2017		17
2.23	Age-Adjusted ER Rate due to Asthma	ER visits/ 10,000 population	122.9		68.4		2017		10
2.18	Adults with Current Asthma	percent	11			9.2	2018		3
2.10	Adults with Influenza Vaccination	percent	29.5		41.7		2014		10
2.03	Adults 65+ with Influenza Vaccination	percent	61.7		68.7	64	2019		9
2.03	Adults with COPD	Percent of adults	9.3			6.9	2018		3
2.03	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	79.7		56.4	58.3	2013-2017		17
2.00	Adults 65+ with Pneumonia Vaccination	percent	70.1		76.6	73.3	2019		9
1.93	Adults who Smoke	percent	16.9	5	13.1	16	2019		9
1.58	Adolescents who Use Tobacco	percent	22		23		2016		10
1.58	Teens who Smoke Cigarettes: High School Students	percent	9.7		5		2018		16
0.78	Asthma: Medicare Population	percent	4.2		5.4	5	2018		5
0.63	Tuberculosis Incidence Rate	cases/ 100,000 population	0	1.4	3.5	2.8	2018		10
0.48	COVID-19 Daily Average Incidence Rate	cases per 100,000 population	0.6		1.2	6.1	9-Jul-21		8
SCORE	SEXUALLY TRANSMITTED INFECTIONS	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.30	Gonorrhea Incidence Rate	cases/ 100,000 population	266.2		170.3	179.1	2018		10
2.20	Chlamydia Incidence Rate	cases/ 100,000 population	721.5		586.3	539.9	2018		10
2.08	HIV Diagnosis Rate	cases/ 100,000 population	26.5		22.1		2016		10
1.00	Syphilis Incidence Rate	cases/ 100,000 population	7.7		12.2	10.8	2018		10
SCORE	TOBACCO USE	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.93	Adults who Smoke	percent	16.9	5	13.1	16	2019		9
1.58	Adolescents who Use Tobacco	percent	22		23		2016		10
1.58	Teens who Smoke Cigarettes: High School Students	percent	9.7		5		2018		16

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SCORE	WEIGHT STATUS	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.45	Adults with a Healthy Weight	percent	20.2		35.1	35.2	2014		10
2.30	Adults who are Overweight or Obese	percent	89.6		66.1	66.7	2019		9
2.18	Adults Who Are Obese	percent	66.7		32.1	32.1	2019		9
1.98	Adolescents who are Obese	percent	18.8		12.6		2016		10

SCORE	WELLNESS & LIFESTYLE	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.48	Insufficient Sleep	percent	41.8	31.4	37.7	35	2018		6
2.25	Frequent Physical Distress	percent	14.8		10.1	11	2018		6
	Self-Reported General Health Assessment:								
2.05	Good or Better	percent	72.7		85.8	82	2019		9
1.95	Life Expectancy	years	75.5		79.2	79.2	2017-2019		6
1.95	Poor Physical Health: 14+ Days	percent	16.1		9		2016		9
1.93	Self-Reported Good Physical Health	percent	68.8		76.4		2019		9
1.85	Average Life Expectancy	years	75.5		79.2		2017-2019		10

SCORE	WOMEN'S HEALTH	UNITS	SOMERSET COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.63	Breast Cancer Incidence Rate	cases/ 100,000 females	141.7		132.9	125.9	2013-2017		17
1.95	Mammogram in Past 2 Years: 50+	percent	58.5		66.3		2016		9
1.88	Cervical Cancer Screening: 21-65	Percent	82.5			84.7	2018		3
1.60	Mammogram in Past 2 Years: 50-74	percent	72.5	77.1		74.8	2018		3
1.38	Pap Test in Past 3 Years	percent	69.8		70.3		2018		9
0.30	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	19.3	15.3	24.5	22.6	2006-2010		17

## SUSSEX DATA SCORING

### SUSSEX SOURCES

Key	Source
1	American Community Survey
2	American Lung Association
3	Behavioral Risk Factor Surveillance System
4	CDC - PLACES
5	Centers for Disease Control and Prevention
6	Centers for Medicare & Medicaid Services
7	County Health Rankings
8	Delaware Department of Health and Social Services, Division of Public Health
9	Delaware Office of the State Election Commissioner
10	Delaware School Survey
11	Delaware Youth Risk Behavior Survey
12	Feeding America
13	Healthy Communities Institute
14	National Cancer Institute
15	National Center for Education Statistics
16	National Environmental Public Health Tracking Network
17	U.S. Bureau of Labor Statistics
18	U.S. Census - County Business Patterns
19	U.S. Census Bureau - Small Area Health Insurance Estimates
20	U.S. Department of Agriculture - Food Environment Atlas
21	U.S. Environmental Protection Agency
22	United For ALICE

### SUSSEX TOPICS

Health and Quality of Life Topics	Score
Other Conditions	1.93
Prevention & Safety	1.86
Heart Disease & Stroke	1.78
Alcohol & Drug Use	1.72
Oral Health	1.69
Wellness & Lifestyle	1.67
Health Care Access & Quality	1.59
Adolescent Health	1.53
Physical Activity	1.47
Older Adults	1.47
Community	1.39
Environmental Health	1.34
Mental Health & Mental Disorders	1.32
Respiratory Diseases	1.30
Education	1.28
Children's Health	1.27
Immunizations & Infectious Diseases	1.27
Economy	1.23
Diabetes	1.14
Cancer	1.13
Sexually Transmitted Infections	1.13
Women's Health	1.12

## SUSSEX COUNTY INDICATORS

SCORE	ADOLESCENT HEALTH	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.97	Teens who Use Illicit Drugs	percent	7		5		2019		10
1.83	Teens who Use Alcohol: 11th Graders	percent	33		24		2019		10
1.69	Teens who Smoke: 11th Graders	percent	5		3		2019		10
1.67	Teen Birth Rate: 15-19	live births/ 1,000 females aged 15-19	25.6		18.2	19.1	2015-2019	Black (42.9) White (14.5)	8
1.47	Teens who Use Marijuana: 11th Graders	percent	24		24		2019		10
1.31	Teens who Engage in Regular Physical Activity: High School Students	percent	45.2		43.6		2017		11
0.75	Teens who are Sexually Active	percent	44.8		45.4		2017		11
SCORE	ALCOHOL & DRUG USE	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.42	Death Rate due to Drug Poisoning	deaths/ 100,000 population	37		40.4	21	2017-2019		7
1.97	Teens who Use Illicit Drugs	percent	7		5		2019		10
1.92	Age-Adjusted Drug and Opioid-Involved Overdose Death Rate	Deaths per 100,000 population	46.6		43.8	22.8	2017-2019		5
1.86	Liquor Store Density	stores/ 100,000 population	27.3		26.8	10.5	2019		18
1.83	Teens who Use Alcohol: 11th Graders	percent	33		24		2019		10
1.47	Teens who Use Marijuana: 11th Graders	percent	24		24		2019		10
1.22	Alcohol-Impaired Driving Deaths	percent of driving deaths with alcohol involvement	26.9	28.3	26	27	2015-2019		7
1.06	Adults who Binge Drink	percent	14.8		17.2	16.8	2019		3
SCORE	CANCER	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.58	Cancer: Medicare Population	percent	9.4		9.1	8.4	2018		6
2.08	Adults with Cancer	percent	9.7		6.9		2018		4
1.69	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	67.6		66.9	58.3	2013-2017		14
1.61	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	22	15.3	21.4	20.1	2013-2017		14
1.33	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	44.4	25.1	43.2	38.5	2013-2017		14
1.33	Mammogram in Past 2 Years: 50+	percent	80		78.9		2018		3
1.25	Cervical Cancer Screening: 21-65	Percent	85.5		84.7		2018		4
1.19	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	12.2		12.6	11.8	2013-2017		14
1.17	Breast Cancer Incidence Rate	cases/ 100,000 females	124		134.7	125.9	2013-2017		14
1.11	Age-Adjusted Death Rate due to Cancer	deaths/ 100,000 population	161.6	122.7	164.8	155.5	2013-2017		14
1.06	Mammogram in Past 2 Years: 50-74	percent	77.6	77.1	74.8		2018		4
1.03	Pap Test in Past 3 Years	percent	84.3		83		2018		3
0.94	Colon Cancer Screening	percent	70	74.4	66.4		2018		4
0.75	Prostate Cancer Incidence Rate	cases/ 100,000 males	105.6		124.5	104.5	2013-2017		14
0.44	Age-Adjusted Death Rate due to Colorectal Cancer	deaths/ 100,000 population	11.7	8.9	13.3	13.7	2013-2017		14
0.42	Colorectal Cancer Incidence Rate	cases/ 100,000 population	35.3		37.9	38.4	2013-2017		14
0.36	Cervical Cancer Incidence Rate	cases/ 100,000 females	6.2		7.8	7.6	2013-2017		14
0.00	Age-Adjusted Death Rate due to Prostate Cancer	deaths/ 100,000 males	13.7	16.9	17.2	19	2013-2017		14
SCORE	CHILDREN'S HEALTH	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.72	Children with Health Insurance	percent	95.4		96.4		2018		19
1.50	Child Food Insecurity Rate	percent	17.9		19	15.2	2018		12
1.33	Projected Child Food Insecurity Rate	percent	28		22		2020		12
1.25	Children with Asthma: Grades 6,7,8	percent	19.8		22		2015		11
1.17	Children with Low Access to a Grocery Store	percent	2.7		21	25	2015		20
0.67	Food Insecure Children Likely Ineligible for Assistance	percent	3		21	25	2018		12
SCORE	COMMUNITY	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.75	Workers who Walk to Work	percent	1.1		2.1	2.7	2015-2019	Asian (1.9) AIAN (4) NHP (0) Mult (0)	1
2.50	Workers Commuting by Public Transportation	percent	0.4	5.3	2.5	5	2015-2019	Asian (1.2) AIAN (2) NHP (0) Mult (0)	1
2.25	Solo Drivers with a Long Commute	percent	37.4		35.1	37	2015-2019		7
2.03	Children Living Below Poverty Level	percent	20.6		17.5	18.5	2015-2019		1
2.03	Youth not in School or Working	percent	2.2		1.9	1.9	2015-2019		1
1.75	Persons with an Internet Subscription	percent	83.6		87.7	86.2	2015-2019		1
1.69	Workers who Drive Alone to Work	percent	83.1		80.9	76.3	2015-2019		1
1.67	Households with an Internet Subscription	percent	81.4		85.2	83	2015-2019		1
1.67	Households with No Car and Low Access to a Grocery Store	percent	2.4				2015		20
1.67	Households with One or More Types of Computing Devices	percent	89.4		91.6	90.3	2015-2019		1
1.64	Mean Travel Time to Work	minutes	26.4		26.3	26.9	2015-2019		1
1.64	Social Associations	membership associations/ 10,000 population	10.2		10.4	9.3	2018		7
1.58	Homeownership	percent	53.3		59.7	56.2	2015-2019		1
1.25	People 25+ with a Bachelor's Degree or Higher	percent	28.3		32	32.1	2015-2019		1
1.22	Alcohol-Impaired Driving Deaths	percent of driving deaths with alcohol involvement	26.9	28.3	26	27	2015-2019		7
1.17	Voter Turnout: Presidential Election	percent	71.3		68.8		2020		9
1.08	People 25+ with a High School Degree or Higher	percent	88.1		90	88	2015-2019		1
0.86	Single-Parent Households	percent	24.7		27.9	25.5	2015-2019		1
0.83	Violent Crime Rate	crimes/ 100,000 population	406.1		499	386.5	2014-2016		7
0.81	Age-Adjusted Death Rate due to Homicide	deaths/ 100,000 population	3.3	5.5	7	5.8	2014-2018		8
0.75	Median Household Income	dollars	63162		68287	62843	2015-2019		1
0.58	Per Capita Income	dollars	35491		35450	34103	2015-2019		1
0.50	People Living Below Poverty Level	percent	11.3	8	11.8	13.4	2015-2019	an (4.2) AIAN (19.5) NHP (0) Mult (2)	1
0.36	Households without a Vehicle	percent	3.9		6	8.6	2015-2019		1
0.36	People 65+ Living Alone	percent	20.3		23.2	26.1	2015-2019		1
SCORE	DIABETES	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.22	Adults with Diabetes	percent	14.7		12.8	10.7	2019		3
0.61	Age-Adjusted Death Rate due to Diabetes	deaths/ 100,000 population	16.6		18.6	21.2	2014-2018		8
0.58	Diabetes: Medicare Population	percent	26.9		28.8	27	2018		6

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SCORE	ECONOMY	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.25	Renters Spending 30% or More of Household Income on Rent	percent	50		49.1	49.6	2015-2019		1
2.03	Children Living Below Poverty Level	percent	20.6		17.5	18.5	2015-2019		1
2.03	Youth not in School or Working	percent	2.2		1.9	1.9	2015-2019		1
1.97	Overcrowded Households	percent of households	2.4		1.8		2015-2019		1
1.92	Homeowner Vacancy Rate	percent	2.5		1.8	1.6	2015-2019		1
1.67	Households that are Asset Limited, Income Constrained, Employed (ALICE)	percent	33.4		31.8		2016		22
1.64	SNAP Certified Stores	stores/ 1,000 population	0.9				2017		20
1.58	Homeownership	percent	53.3		59.7	56.2	2015-2019		1
1.58	Mortgaged Owners Spending 30% or More of Household Income on Housing	percent	26.5		25.1	26.5	2019		1
1.53	Students Eligible for the Free Lunch Program	percent	41.3		37.6	42.6	2015-2016		15
1.50	Child Food Insecurity Rate	percent	17.9		19	15.2	2018		12
1.50	Households that are Above the Asset Limited, Income Constrained, Employed (ALICE) Threshold	percent	56.8		57.1		2016		22
1.50	Low-Income and Low Access to a Grocery Store	percent	4.6				2015		20
1.33	Projected Child Food Insecurity Rate	percent	28				2020		12
1.33	Projected Food Insecurity Rate	percent	16.6				2020		12
1.33	WIC Certified Stores	stores/ 1,000 population	0.1				2016		20
1.03	Unemployed Workers in Civilian Labor Force	percent	5.6		6.1	5.7	Apr-21		17
1.00	Food Insecurity Rate	percent	10.9		12.6	11.5	2018		12
1.00	Households that are Below the Federal Poverty Level	percent	9.8		11.1		2016		22
0.75	Median Household Income	dollars	63162		68287	62843	2015-2019		1
0.75	People Living 200% Above Poverty Level	percent	72.8		73.8	69.1	2015-2019		1
0.75	Severe Housing Problems	percent	14.3		14.3	18	2013-2017		7
0.69	Persons with Disability Living in Poverty (5-year)	percent	21.6		22.2	26.1	2015-2019		1
0.67	Food Insecure Children Likely Ineligible for Assistance	percent	3		21	25	2018		12
0.58	Families Living Below Poverty Level	percent	7.4		7.9	9.5	2015-2019	ian (2) AIAN (30.5) NHPI (0) Mult (18)	1
0.58	Per Capita Income	dollars	35491		35450	34103	2015-2019		1
0.50	People Living Below Poverty Level	percent	11.3	8	11.8	13.4	2015-2019	an (4.2) AIAN (19.5) NHPI (0) Mult (2)	1
0.36	People 65+ Living Below Poverty Level	percent	5.8		6.6	9.3	2015-2019	sian (4.2) AIAN (14.2) NHPI (0) Mult	1
0.25	Households with Cash Public Assistance Income	percent	1.9		2.2	2.4	2015-2019		1
SCORE	EDUCATION	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.50	Student-to-Teacher Ratio	students/ teacher	14.5				2019-2020		15
1.25	People 25+ with a Bachelor's Degree or Higher	percent	28.3		32	32.1	2015-2019		1
1.08	People 25+ with a High School Degree or Higher	percent	88.1		90	88	2015-2019		1
SCORE	ENVIRONMENTAL HEALTH	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.97	Overcrowded Households	percent of households	2.4		1.8		2015-2019		1
1.86	Liquor Store Density	stores/ 100,000 population	27.3		26.8	10.5	2019		18
1.83	Access to Exercise Opportunities	percent	74		86.5	84	2020		7
1.81	Daily Dose of UV Irradiance	Joule per square meter	2595		2505		2015		16
1.67	Households with No Car and Low Access to a Grocery Store	percent	2.4				2015		20
1.67	People 65+ with Low Access to a Grocery Store	percent	3.5				2015		20
1.64	Months of Mild Drought or Worse	months per year	5				2016		16
1.64	SNAP Certified Stores	stores/ 1,000 population	0.9				2017		20
1.50	Low-Income and Low Access to a Grocery Store	percent	4.6				2015		20
1.36	Fast Food Restaurant Density	population	0.7				2016		20
1.36	Number of Extreme Heat Days	days	26				2016		16
1.36	Number of Extreme Heat Events	events	4				2016		16
1.36	Number of Extreme Precipitation Days	days	36				2016		16
1.33	People with Low Access to a Grocery Store	percent	14				2015		20
1.33	WIC Certified Stores	stores/ 1,000 population	0.1				2016		20
1.25	Children with Asthma: Grades 6,7,8	percent	19.8		22		2015		11
1.19	Annual Ozone Air Quality	percent	3				2017-2019		2
1.17	Children with Low Access to a Grocery Store	percent	2.7				2015		20
1.17	Grocery Store Density	stores/ 1,000 population	0.2				2016		20
1.17	Recreation and Fitness Facilities	facilities/ 1,000 population	0.1				2016		20
1.08	PBT Released	pounds	261.5				2019		21
1.00	Annual Particle Pollution	percent	1				2017-2019		2
1.00	Farmers Market Density	markets/ 1,000 population	0.1				2018		20
0.97	Food Environment Index	percent	8.3		7.8	7.8	2021		7
0.89	Adults with Current Asthma	percent	8.5		9.8	9.7	2019		3
0.86	Asthma: Medicare Population	percent	4.5		5.2	5	2018		6
0.75	Severe Housing Problems	percent	14.3		14.3	18	2013-2017		7
SCORE	HEALTH CARE ACCESS & QUALITY	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.22	Dentist Rate	dentists/ 100,000 population	24.3		49		2019		7
2.17	Primary Care Provider Rate	providers/ 100,000 population	61.9		75		2018		7
1.72	Children with Health Insurance	percent	95.4		96.4		2018		19
1.58	Adults who Visited a Dentist	percent	63.2		66.5	67.6	2018		3
1.44	Adults with Health Insurance: 18-64	percent	89.3		92		2018		19
1.33	Mental Health Provider Rate	providers/ 100,000 population	197.7		282.2		2020		7
1.33	Non-Physician Primary Care Provider Rate	providers/ 100,000 population	81.1		132.9		2020		7
0.92	Adults who have had a Routine Checkup	percent	82.4			76.7	2018		4



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SCORE	HEART DISEASE & STROKE	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.47	Ischemic Heart Disease: Medicare Population	percent	31.4		28.4	26.8	2018		6
2.42	Hypertension: Medicare Population	percent	65.2		63	57.2	2018		6
2.33	Hyperlipidemia: Medicare Population	percent	67.8		61.1	47.7	2018		6
2.31	Atrial Fibrillation: Medicare Population	percent	10.2		9.4	8.4	2018		6
2.17	High Blood Pressure Prevalence	percent	41.4	27.7	36.4	32.3	2019		3
2.08	Adults who Experienced Coronary Heart Disease	percent	9.9			6.8	2018		4
2.08	High Cholesterol Prevalence	percent	40.3		35.4	33.1	2019		3
2.03	Stroke: Medicare Population	percent	4.8		4.7	3.8	2018		6
1.92	Adults who Experienced a Stroke	percent	4.5			3.4	2018		4
1.92	High Cholesterol Prevalence: Adults 18+	percent	38.3			34.1	2017		4
1.72	Age-Adjusted Death Rate due to Heart Disease	deaths/ 100,000 population	166.1		159.4	165.9	2014-2018		8
1.36	Age-Adjusted Death Rate due to Cerebrovascular Disease (Stroke)	deaths/ 100,000 population	34.7	33.4	41.7	37.2	2014-2018		8
1.36	Age-Adjusted Death Rate due to Heart Attack	deaths/ 100,000 population 35+ years	37.6		33.2		2018		16
0.92	Adults who Have Taken Medications for High Blood Pressure	percent	81.6			75.8	2017		4
0.92	Cholesterol Test History	percent	84.7			81.5	2017		4
0.53	Heart Failure: Medicare Population	percent	11.2		11.5	14	2018		6
SCORE	IMMUNIZATIONS & INFECTIOUS DISEASES	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.33	Salmonella Infection Incidence Rate	cases/ 100,000 population	44.3	11.1	22.1		2018		8
2.06	Tuberculosis Incidence Rate	cases/ 100,000 population	2.1	1.4	1.8		2020		8
1.97	Overcrowded Households	percent of households	2.4		1.8		2015-2019		1
1.72	Syphilis Incidence Rate	cases/ 100,000 population	6.8		6.1	8.7	2016		8
1.56	Adults 65+ with Influenza Vaccination	percent	63.4		63.4	64	2019		3
1.25	Adults Fully Vaccinated Against COVID-19	percent	56.9				10-Jun-21		5
1.00	HIV Incidence Rate	cases/ 100,000 population	7.7		12.4		2016		8
0.94	Adults 65+ with Pneumonia Vaccination	percent	78.7		75.3	73.3	2019		3
0.89	Age-Adjusted Death Rate due to Influenza and Pneumonia	deaths/ 100,000 population	9.5		13.6	14.6	2014-2018		8
0.89	Chlamydia Incidence Rate	cases/ 100,000 population	446.5		622.4	539.9	2018		8
0.89	Gonorrhea Incidence Rate	cases/ 100,000 population	132.2		174.3	179.1	2018		8
0.69	COVID-19 Daily Average Incidence Rate	cases per 100,000 population	2.4		2.4	6.1	09-Jul-21		13
0.36	COVID-19 Daily Average Case-Fatality Rate	deaths per 100 cases	0		0	2.8	09-Jul-21		13
SCORE	MENTAL HEALTH & MENTAL DISORDERS	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.17	Self-Reported General Health Assessment: Good or Better	percent	79.1		81.3	82	2019		3
1.75	Depression: Medicare Population	percent	17.3		18.1	18.4	2018		6
1.67	Poor Mental Health: Average Number of Days	days	4.3		4.2	4.1	2018		7
1.50	Frequent Mental Distress	percent	13.8		13.1	13	2018		7
1.33	Mental Health Provider Rate	providers/ 100,000 population	197.7		282.2		2020		7
1.25	Age-Adjusted Death Rate due to Suicide	deaths/ 100,000 population	12.6	12.8	12	13.6	2014-2018		8
0.92	Poor Mental Health: 14+ Days	percent	12.2			12.7	2018		4
0.89	Age-Adjusted Death Rate due to Alzheimer's Disease	deaths/ 100,000 population	22		25.3	29.4	2014-2018		8
0.36	Alzheimer's Disease or Dementia: Medicare Population	percent	8.3		9.3	10.8	2018		6
SCORE	OLDER ADULTS	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.58	Cancer: Medicare Population	percent	9.4		9.1	8.4	2018		6
2.47	Ischemic Heart Disease: Medicare Population	percent	31.4		28.4	26.8	2018		6
2.42	Hypertension: Medicare Population	percent	65.2		63	57.2	2018		6
2.33	Hyperlipidemia: Medicare Population	percent	67.8		61.1	47.7	2018		6
2.31	Atrial Fibrillation: Medicare Population	percent	10.2		9.4	8.4	2018		6
2.14	Osteoporosis: Medicare Population	percent	6.7		6.1	6.6	2018		6
2.08	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	35.4		34.7	33.5	2018		6
2.03	Stroke: Medicare Population	percent	4.8		4.7	3.8	2018		6
1.92	Adults with Arthritis	percent	33			25.8	2018		4
1.75	Adults 65+ with Total Tooth Loss	percent	17.1			13.5	2018		4
1.75	Depression: Medicare Population	percent	17.3		18.1	18.4	2018		6
1.67	People 65+ with Low Access to a Grocery Store	percent	3.5				2015		20
1.58	Chronic Kidney Disease: Medicare Population	percent	24		25.2	24.5	2018		6
1.56	Adults 65+ with Influenza Vaccination	percent	63.4		63.4	64	2019		3
1.33	COPD: Medicare Population	percent	11.2		10.5	11.5	2018		6
1.08	Adults 65+ who Received Recommended Preventive Services: Males	percent	33.7			32.4	2018		4
0.94	Adults 65+ with Pneumonia Vaccination	percent	78.7		75.3	73.3	2019		3
0.92	Adults 65+ who Received Recommended Preventive Services: Females	percent	34.5			28.4	2018		4
0.89	Age-Adjusted Death Rate due to Alzheimer's Disease	deaths/ 100,000 population	22		25.3	29.4	2014-2018		8
0.86	Asthma: Medicare Population	percent	4.5		5.2	5	2018		6
0.58	Diabetes: Medicare Population	percent	26.9		28.8	27	2018		6
0.53	Heart Failure: Medicare Population	percent	11.2		11.5	14	2018		6
0.36	Alzheimer's Disease or Dementia: Medicare Population	percent	8.3		9.3	10.8	2018		6
0.36	People 65+ Living Alone	percent	20.3		23.2	26.1	2015-2019		1
0.36	People 65+ Living Below Poverty Level	percent	5.8		6.6	9.3	2015-2019	slan (4.2) AIAN (14.2) NHPI (0) Mult	1
SCORE	ORAL HEALTH	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.22	Dentist Rate	dentists/ 100,000 population	24.3		49		2019		7
1.75	Adults 65+ with Total Tooth Loss	percent	17.1			13.5	2018		4
1.58	Adults who Visited a Dentist	percent	63.2		66.5	67.6	2018		3
1.19	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	12.2		12.6	11.8	2013-2017		14
SCORE	OTHER CONDITIONS	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.14	Osteoporosis: Medicare Population	percent	6.7		6.1	6.6	2018		6
2.08	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	35.4		34.7	33.5	2018		6
1.92	Adults with Arthritis	percent	33			25.8	2018		4
1.92	Adults with Kidney Disease	Percent of adults	3.7			3.1	2018		4
1.58	Chronic Kidney Disease: Medicare Population	percent	24		25.2	24.5	2018		6

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SCORE	PHYSICAL ACTIVITY	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.75	Workers who Walk to Work	percent	1.1		2.1	2.7	2015-2019	Asian (1.9) AIAN (4) NHPi (0) Mult ((	1
1.83	Access to Exercise Opportunities	percent	74		86.5	84	2020		7
1.72	Adults Who Are Obese	percent	35.3		34.4	32.1	2019		3
1.67	Households with No Car and Low Access to a Grocery Store	percent	2.4				2015		20
1.67	People 65+ with Low Access to a Grocery Store	percent	3.5				2015		20
1.64	SNAP Certified Stores	stores/ 1,000 population	0.9				2017		20
1.50	Low-Income and Low Access to a Grocery Store	percent	4.6				2015		20
1.44	Adults who are Overweight or Obese	percent	70.4		68.9	66.7	2019		3
1.36	Fast Food Restaurant Density	restaurants/ 1,000 population	0.7				2016		20
1.33	People with Low Access to a Grocery Store	percent	14				2015		20
1.33	WIC Certified Stores	stores/ 1,000 population	0.1				2016		20
1.31	Teens who Engage in Regular Physical Activity: High School Students	percent	45.2		43.6		2017		11
1.17	Children with Low Access to a Grocery Store	percent	2.7				2015		20
1.17	Grocery Store Density	stores/ 1,000 population	0.2				2016		20
1.17	Recreation and Fitness Facilities	facilities/ 1,000 population	0.1				2016		20
1.00	Farmers Market Density	markets/ 1,000 population	0.1				2018		20
0.97	Food Environment Index		8.3		7.8	7.8	2021		7
SCORE	PREVENTION & SAFETY	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.42	Age-Adjusted Death Rate due to Unintentional Injuries	deaths/ 100,000 population	58.8	43.2	55.2	45.7	2014-2018		8
2.42	Death Rate due to Drug Poisoning	deaths/ 100,000 population	37		40.4	21	2017-2019		7
0.75	Severe Housing Problems	percent	14.3		14.3	18	2013-2017		7
SCORE	RESPIRATORY DISEASES	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.06	Tuberculosis Incidence Rate	cases/ 100,000 population	2.1	1.4	1.8		2020		8
2.03	Adults who Smoke	percent	18.8	5	15.9	16	2019		3
1.92	Adults with COPD	Percent of adults	9.7		6.9		2018		4
1.69	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	67.6		66.9	58.3	2013-2017		14
1.69	Teens who Smoke: 11th Graders	percent	5		3		2019		10
1.56	Adults 65+ with Influenza Vaccination	percent	63.4		63.4	64	2019		3
1.33	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	44.4	25.1	43.2	38.5	2013-2017		14
1.33	COPD: Medicare Population	percent	11.2		10.5	11.5	2018		6
1.25	Children with Asthma: Grades 6,7,8	percent	19.8		22		2015		11
0.94	Adults 65+ with Pneumonia Vaccination	percent	78.7		75.3	73.3	2019		3
0.89	Adults with Current Asthma	percent	8.5		9.8	9.7	2019		3
0.89	Age-Adjusted Death Rate due to Influenza and Pneumonia	deaths/ 100,000 population	9.5		13.6	14.6	2014-2018		8
0.86	Asthma: Medicare Population	percent	4.5		5.2	5	2018		6
0.69	COVID-19 Daily Average Incidence Rate	cases per 100,000 population	2.4		2.4	6.1	09-Jul-21		13
0.36	COVID-19 Daily Average Case-Fatality Rate	deaths per 100 cases	0		0	2.8	09-Jul-21		13
SCORE	SEXUALLY TRANSMITTED INFECTIONS	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.72	Syphilis Incidence Rate	cases/ 100,000 population	6.8		6.1	8.7	2016		8
1.00	HIV Incidence Rate	cases/ 100,000 population	7.7		12.4		2016		8
0.89	Chlamydia Incidence Rate	cases/ 100,000 population	446.5		622.4	539.9	2018		8
0.89	Gonorrhea Incidence Rate	cases/ 100,000 population	132.2		174.3	179.1	2018		8
SCORE	WELLNESS & LIFESTYLE	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.17	Self-Reported General Health Assessment: Good or Better	percent	79.1		81.3	82	2019		3
1.92	Poor Physical Health: 14+ Days	percent	15.5		12.5		2018		4
1.83	Frequent Physical Distress	percent	13.3		11.3	11	2018		7
1.25	Insufficient Sleep	percent	35.7	31.4	36.5	35	2018		7
1.17	Life Expectancy	years	78.7		78.5	79.2	2017-2019		7
SCORE	WOMEN'S HEALTH	UNITS	SUSSEX COUNTY	HP2030	DE	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.61	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	22	15.3	21.4	20.1	2013-2017		14
1.33	Mammogram in Past 2 Years: 50+	percent	80		78.9		2018		3
1.25	Cervical Cancer Screening: 21-65	Percent	85.5		84.7		2018		4
1.17	Breast Cancer Incidence Rate	cases/ 100,000 females	124		134.7	125.9	2013-2017		14
1.06	Mammogram in Past 2 Years: 50-74	percent	77.6	77.1	74.8		2018		4
1.03	Pap Test in Past 3 Years	percent	84.3		83		2018		3
0.36	Cervical Cancer Incidence Rate	cases/ 100,000 females	6.2		7.8	7.6	2013-2017		14

**WICOMICO DATA SCORING**

**WICOMICO SOURCES**

Key	Sources
1	American Community Survey
2	Annie E. Casey Foundation
3	CDC - PLACES
4	Centers for Disease Control and Prevention
5	Centers for Medicare & Medicaid Services
6	County Health Rankings
7	Feeding America
8	Healthy Communities Institute
9	Maryland Behavioral Risk Factor Surveillance System
10	Maryland Department of Health
11	Maryland Department of the Environment
12	Maryland Governor's Office for Children
13	Maryland Governor's Office of Crime Control & Prevention
14	Maryland State Board of Elections
15	Maryland State Department of Education
16	Maryland Youth Risk Behavior Survey/Youth Tobacco Survey
17	National Cancer Institute
18	National Center for Education Statistics
19	National Environmental Public Health Tracking Network
20	U.S. Bureau of Labor Statistics
21	U.S. Census - County Business Patterns
22	U.S. Census Bureau - Small Area Health Insurance Estimates
23	U.S. Department of Agriculture - Food Environment Atlas
24	U.S. Environmental Protection Agency
25	United For ALICE

## WICOMICO TOPICS

<b>Health and Quality of Life Topics</b>	<b>Score</b>
Diabetes	<b>2.07</b>
Sexually Transmitted Infections	<b>1.98</b>
Wellness & Lifestyle	<b>1.91</b>
Cancer	<b>1.86</b>
Other Conditions	<b>1.85</b>
Prevention & Safety	<b>1.85</b>
Education	<b>1.83</b>
Older Adults	<b>1.82</b>
Oral Health	<b>1.80</b>
Weight Status	<b>1.80</b>
Heart Disease & Stroke	<b>1.79</b>
Community	<b>1.77</b>
Physical Activity	<b>1.75</b>
Mental Health & Mental Disorders	<b>1.73</b>
Environmental Health	<b>1.71</b>
Respiratory Diseases	<b>1.68</b>
Immunizations & Infectious Diseases	<b>1.67</b>
Economy	<b>1.67</b>
Children's Health	<b>1.62</b>
Women's Health	<b>1.61</b>
Tobacco Use	<b>1.58</b>
Maternal, Fetal & Infant Health	<b>1.47</b>
Health Care Access & Quality	<b>1.45</b>
Adolescent Health	<b>1.42</b>
Alcohol & Drug Use	<b>1.36</b>

## WICOMICO COUNTY INDICATORS

SCORE	ADOLESCENT HEALTH	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.95	Adolescents who are Obese	percent	16.1		12.6		2016		10
1.48	Adolescents who have had a Routine Checkup: Medicaid Population	percent	56.2		54.6		2017		10
1.45	Teen Birth Rate: 15-19	live births/ 1,000 females aged 15-19	15.9		13.9	16.7	2019	Black (33.4) White (8) Hisp (33.8)	10
1.43	Teens who Smoke Cigarettes: High School Students	percent	6.9		5		2018		16
0.78	Adolescents who Use Tobacco	percent	16.1		23		2016		10
SCORE	ALCOHOL & DRUG USE	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.10	Age-Adjusted Death Rate due to Drug Use	deaths/ 100,000 population	30.5		30.9	20.3	2015-2017		10
1.78	Death Rate due to Drug Poisoning	deaths/ 100,000 population	32.3		38.3	21	2017-2019		6
1.58	Age-Adjusted Drug and Opioid-Involved Overdose Death Rate	Deaths per 100,000 population	37.3		38.2	22.8	2017-2019		4
1.50	Alcohol-Impaired Driving Deaths	percent of driving deaths with alcohol involvement	27.9	28.3	28.8	27	2015-2019		6
1.38	Age-Adjusted ER Rate due to Alcohol/Substance Abuse	ER visits/ 100,000 population	1643.3		2017		2017		10
0.70	Adults who Binge Drink	percent	11.9		14.8	16.8	2019		9
0.48	Liquor Store Density	stores/ 100,000 population	5.8		20.5	10.5	2019		21
SCORE	CANCER	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.78	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	79.3		56.4	58.3	2013-2017		17
2.60	Age-Adjusted Death Rate due to Colorectal Cancer	deaths/ 100,000 population	19.4	8.9	13.7	13.7	2013-2017		17
2.60	Age-Adjusted Death Rate due to Prostate Cancer	deaths/ 100,000 males	27.6	16.9	20	19	2013-2017		17
2.53	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	15.3		11.1	11.8	2013-2017		17
2.50	Age-Adjusted Death Rate due to Cancer	deaths/ 100,000 population	197.7	122.7	155.1	155.5	2013-2017		17
2.38	Breast Cancer Incidence Rate	cases/ 100,000 females	142.6		132.9	125.9	2013-2017		17
2.28	Prostate Cancer Incidence Rate	cases/ 100,000 males	140		124.7	104.5	2013-2017	Black (242.7) White (115.1)	17
2.23	Cervical Cancer Incidence Rate	cases/ 100,000 females	8.7		6.6	7.6	2013-2017		17
1.95	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	52.6	25.1	37.2	38.5	2013-2017		17
1.73	Cervical Cancer Screening: 21-65	Percent	84			84.7	2018		3
1.70	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	21.4	15.3	21.7	20.1	2013-2017		17
1.68	Colorectal Cancer Incidence Rate	cases/ 100,000 population	40.7		36.4	38.4	2013-2017		17
1.63	Cancer: Medicare Population	percent	8.7		9.2	8.4	2018		5
1.20	Colon Cancer Screening: Sigmoidoscopy or Colonoscopy	percent	77.8		75.7		2018		9
1.20	Pap Test in Past 3 Years	percent	75.6		70.3		2018		9
1.15	Colon Cancer Screening	percent	67.6	74.4		66.4	2018		3
1.13	Adults with Cancer	percent	6.9			6.9	2018		3
1.08	Mammogram in Past 2 Years: 50+	percent	89		82		2018		9
0.95	Mammogram in Past 2 Years: 50-74	percent	78.2	77.1		74.8	2018		3
SCORE	CHILDREN'S HEALTH	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.10	Child Food Insecurity Rate	percent	20.4		16.1	15.2	2018		7
1.93	Child Abuse Rate	cases/ 1,000 children	6.3		5.7		2018		12
1.80	Children with Low Access to a Grocery Store	percent	6.4				2015		23
1.78	Blood Lead Levels in Children	percent	0.3		0.2		2019		11
1.78	Children who Visited a Dentist	percent	60		63.7		2017		10
1.65	Projected Child Food Insecurity Rate	percent	30.4				2020		7
1.50	Blood Lead Levels in Children (>=5 micrograms per deciliter)	percent	1.4		1.7		2014		19
1.30	Children with Health Insurance	percent	96.2		96.8		2018		22
0.75	Food Insecure Children Likely Ineligible for Assistance	percent	9		32	25	2018		7
SCORE	COMMUNITY	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.63	Homeownership	percent	51.4		60.2	56.2	2015-2019		1
2.33	Violent Crime Rate	crimes/ 100,000 population	492.6			394	2017		13
2.28	Single-Parent Households	percent	29.9		26.4	25.5	2015-2019		1
2.20	People Living Below Poverty Level	percent	15.4	8	9.2	13.4	2015-2019	Black (20.7) White (11.9) Asian (3.8) AIAN (0) NHIPI (0) Mult (31.1) Other (40.3) Hisp (30)	1
2.15	Workers Commuting by Public Transportation	percent	0.7	5.3	8.4	5	2015-2019	Black (2.3) White (0.2) Asian (0) AIAN (0) NHIPI (0) Mult (0) Other (0.3) Hisp (0.6)	1
2.10	Domestic Violence Offense Rate	offenses/ 100,000 population	708.3		537.1		2017		10
2.08	People 25+ with a High School Degree or Higher	percent	87.2		90.2	88	2015-2019		1
2.03	Households without a Vehicle	percent	8.5		9	8.6	2015-2019		1
1.98	Children Living Below Poverty Level	percent	19.6		12.1	18.5	2015-2019	Black (26.1) White (8.9) Asian (2.1) AIAN (0) Mult (40) Other (70.5) Hisp (45.1)	1
1.98	Per Capita Income	dollars	28080		42122	34103	2015-2019	Black (20762) White (32635) Asian (27998) AIAN (13415) NHIPI (117757) Mult (14601) Other (17198) Hisp (16352)	1
1.93	Child Abuse Rate	cases/ 1,000 children	6.3		5.7		2018		12

# SECTION 13 APPENDICES

1.93	People 25+ with a Bachelor's Degree or Higher	percent	27.2	40.2	32.1	2015-2019	1
1.93	Workers who Walk to Work	percent	2.1	2.3	2.7	2015-2019	1
1.83	Voter Registration	percent	74.7	83.6		2016	14
1.78	Social Associations	membership associations/ 10,000 population	9.1	9	9.3	2018	6
1.73	Persons with an Internet Subscription	percent	82.4	89.4	86.2	2015-2019	1
1.65	Households with an Internet Subscription	percent	80.9	86.7	83	2015-2019	1
1.65	Households with One or More Types of Computing Devices	percent	89.5	92.4	90.3	2015-2019	1
1.63	Pedestrian Injuries	injuries/ 100,000 population	40.8	53.5		2017	10
1.63	Persons with Health Insurance	percent	92.1	92.1	93.1	2018	22
1.58	Age-Adjusted Death Rate due to Homicide	deaths/ 100,000 population	7.1	5.5	8.4	2008-2010	10
1.58	Median Household Income	dollars	56956	84805	62843	2015-2019	1
1.58	Workers who Drive Alone to Work	percent	82.5	73.9	76.3	2015-2019	1
1.53	People 65+ Living Alone	percent	26.8	26	26.1	2015-2019	1
1.50	Alcohol-Impaired Driving Deaths	percent of driving deaths with alcohol involvement	27.9	28.3	28.8	2015-2019	6
1.50	Households with No Car and Low Access to a Grocery Store	percent	2.4			2015	23
0.88	Mean Travel Time to Work	minutes	21.9	33.2	26.9	2015-2019	1
0.88	Solo Drivers with a Long Commute	percent	25.8	50.2	37	2015-2019	6
0.78	Youth not in School or Working	percent	1.4	1.9	1.9	2015-2019	1

SCORE	DIABETES	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.48	Age-Adjusted ER Rate due to Diabetes	ER Visits/ 100,000 population	530.9		243.7		2017		10
1.98	Diabetes: Medicare Population	percent	31		29.6	27	2018		5
1.95	Age-Adjusted Death Rate due to Diabetes	deaths/ 100,000 population	21.7		20.1	21.5	2017-2019		10
1.85	Adults with Diabetes	percent	10.9		10	10.7	2019		9

SCORE	ECONOMY	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.63	Homeownership	percent	51.4		60.2	56.2	2015-2019		1
2.28	Severe Housing Problems	percent	20		16.2	18	2013-2017		6
2.23	Renters Spending 30% or More of Household Income on Rent	percent	54.3		49.7	49.6	2015-2019		1
2.20	People Living Below Poverty Level	percent	15.4	8	9.2	13.4	2015-2019	Black (20.7) White (11.9) Asian (3.8) AIAN (0) NHPi (0) Mult (31.1) Other (40.3) Hisp (30)	1
2.10	Child Food Insecurity Rate	percent	20.4		16.1	15.2	2018		7
2.10	Food Insecurity Rate	percent	13.3		11	11.5	2018		7
2.08	Overcrowded Households	percent of households	2.9		2.3		2015-2019		1
1.98	Children Living Below Poverty Level	percent	19.6		12.1	18.5	2015-2019	Black (26.1) White (8.9) Asian (2.1) AIAN (0) Mult (40) Other (70.5) Hisp (45.1)	1
1.98	Per Capita Income	dollars	28080		42122	34103	2015-2019	Black (20762) White (32635) Asian (27998) AIAN (13415) NHPi (117757) Mult (14601) Other (17198) Hisp (16352)	1
1.95	Low-Income and Low Access to a Grocery Store	percent	8.9				2015		23
1.95	WIC Certified Stores	stores/ 1,000 population	0.1				2016		23
1.83	Households that are Below the Federal Poverty Level	percent	13.4		9		2018		25
1.83	Households with Cash Public Assistance Income	percent	2.5		2.2	2.4	2015-2019		1
1.83	People Living 200% Above Poverty Level	percent	65.2		78.4	69.1	2015-2019		1
1.80	Projected Food Insecurity Rate	percent	18.8				2020		7
1.80	Students Eligible for the Free Lunch Program	percent	49.7				2019-2020		18
1.78	Households that are Above the Asset Limited, Income Constrained, Employed (ALICE) Threshold	percent	56.5		61		2018		25
1.78	Households that are Asset Limited, Income Constrained, Employed (ALICE)	percent	30		30		2018		25
1.73	Unemployed Workers in Civilian Labor Force	percent	6.2		5.9	5.7	Apr-21		20
1.65	Projected Child Food Insecurity Rate	percent	30.4				2020		7
1.63	Persons with Disability Living in Poverty (5-year)	percent	23.1		20.9	26.1	2015-2019		1
1.58	Median Household Income	dollars	56956		84805	62843	2015-2019		1
1.48	People 65+ Living Below Poverty Level	percent	7.8		7.7	9.3	2015-2019	Black (15) White (6.1) Asian (0) AIAN (0) Mult (10.1) Other (20.9) Hisp (20.2)	1
1.28	Families Living Below Poverty Level	percent	8.6		6.1	9.5	2015-2019	Black (15.8) White (5.1) Asian (3.4) AIAN (0) NHPi (0) Mult (8.2) Other (57.8) Hisp (25.8)	1
1.23	SNAP Certified Stores	stores/ 1,000 population	0.9				2017		23
0.78	Affordable Housing	percent	88.4		48.1		2016		10
0.78	Youth not in School or Working	percent	1.4		1.9	1.9	2015-2019		1
0.75	Food Insecure Children Likely Ineligible for Assistance	percent	9		32	25	2018		7
0.63	Homeowner Vacancy Rate	percent	1.2		1.7	1.6	2015-2019		1
0.48	Mortgaged Owners Spending 30% or More of Household Income on Housing	percent	19.7		26	26.5	2019		1

SCORE	EDUCATION	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.08	People 25+ with a High School Degree or Higher	percent	87.2		90.2	88	2015-2019		1

## SECTION 13 APPENDICES

2.08	School Readiness at Kindergarten Entry	percent	41	47		2019-2020	15
1.93	3rd Grade Students Proficient in Math	percent	38.2	42.5		2019	2
1.93	8th Grade Students Proficient in Math	percent	10.9	12.5		2019	2
1.93	High School Graduation	percent	83.9	90.7	86.8	2020	15
1.93	People 25+ with a Bachelor's Degree or Higher	percent	27.2	40.2	32.1	2015-2019	1
1.83	8th Grade Students Proficient in Reading	percent	34.9	45.1		2019	2
1.68	3rd Grade Students Proficient in Reading	percent	33	41.2		2019	2
1.08	Student-to-Teacher Ratio	students/ teacher	13.3			2019-2020	18

SCORE	ENVIRONMENTAL HEALTH	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.28	Severe Housing Problems	percent	20		16.2	18	2013-2017		6
		ER visits/ 10,000 population							
2.23	Age-Adjusted ER Rate due to Asthma		102.9		68.4		2017		10
2.18	Daily Dose of UV Irradiance	Joule per square meter	2653		2499		2015		19
2.08	Overcrowded Households	percent of households	2.9		2.3		2015-2019		1
1.98	Food Environment Index		7.4		8.7	7.8	2021		6
1.95	Grocery Store Density	stores/ 1,000 population	0.1				2016		23
	Low-Income and Low Access to a Grocery Store	percent	8.9				2015		23
1.95	WIC Certified Stores	stores/ 1,000 population	0.1				2016		23
1.88	Adults with Current Asthma	percent	10.4			9.2	2018		3
1.85	Adults with Asthma	percent	15.2		14.9	14.9	2019		9
1.80	Access to Exercise Opportunities	percent	77.2		92.6	84	2020		6
	Children with Low Access to a Grocery Store	percent	6.4				2015		23
1.80	People 65+ with Low Access to a Grocery Store	percent	4				2015		23
1.80	People with Low Access to a Grocery Store	percent	26.7				2015		23
1.78	Blood Lead Levels in Children	percent	0.3		0.2		2019		11
		restaurants/ 1,000 population							
1.68	Fast Food Restaurant Density		0.8				2016		23
1.65	Farmers Market Density	markets/ 1,000 population	0				2018		23
1.63	Months of Mild Drought or Worse	months per year	5				2016		19
1.63	Number of Extreme Precipitation Days	days	43				2016		19
1.53	Asthma: Medicare Population	percent	5.2		5.4	5	2018		5
	Blood Lead Levels in Children (>=5 micrograms per deciliter)	percent	1.4		1.7		2014		19
1.50	Households with No Car and Low Access to a Grocery Store	percent	2.4				2015		23
	Recreation and Fitness Facilities	facilities/ 1,000 population	0.1				2016		23
1.38	Number of Extreme Heat Days	days	20				2016		19
1.38	Number of Extreme Heat Events	events	4				2016		19
1.38	PBT Released	pounds	0				2018		24
1.23	SNAP Certified Stores	stores/ 1,000 population	0.9				2017		23
0.48	Liquor Store Density	stores/ 100,000 population	5.8		20.5	10.5	2019		21

SCORE	HEALTH CARE ACCESS & QUALITY	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.30	Adults who Visited a Dentist	percent	56.3		66.3	67.6	2018		9
2.23	Adults Unable to Afford to See a Doctor	percent	16.1		11.4		2019		9
1.78	Children who Visited a Dentist	percent	60		63.7		2017		10
		providers/ 100,000 population							
1.70	Primary Care Provider Rate		62		88.6		2018		6
	Adults who have had a Routine Checkup	percent	87		90		2019		9
1.63	Persons with Health Insurance	percent	92.1	92.1	93.1		2018		22
1.60	Adults with Health Insurance: 18-64	percent	90.5		91.7		2018		22
	Adolescents who have had a Routine Checkup: Medicaid Population	percent	56.2		54.6		2017		10
1.38	Uninsured Emergency Department Visits	percent	8.3		8.6		2017		10
1.30	Children with Health Insurance	percent	96.2		96.8		2018		22
	People with a Usual Primary Care Provider	percent	85.1	84	84.8		2016		10
1.68	Adults who have had a Routine Checkup	percent	87		90		2019		9
		dentists/ 100,000 population							
0.85	Dentist Rate		83		79.4		2019		6
		providers/ 100,000 population							
0.45	Mental Health Provider Rate		345.5		274.9		2020		6
		providers/ 100,000 population							
0.45	Non-Physician Primary Care Provider Rate		217.2		115.1		2020		6

SCORE	HEART DISEASE & STROKE	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
	Age-Adjusted Death Rate due to Cerebrovascular Disease (Stroke)	deaths/ 100,000 population	64.6	33.4	40.7	37.2	2017-2019		10
2.63	Hyperlipidemia: Medicare Population	percent	59.2		51.9	47.7	2018		5
2.38	Hypertension: Medicare Population	percent	66.9		61.2	57.2	2018		5
2.28	Stroke: Medicare Population	percent	5		4.5	3.8	2018		5
		ER Visits/ 100,000 population							
2.23	Age-Adjusted ER Rate due to Hypertension		743.3		351.2		2017		10
2.23	Atrial Fibrillation: Medicare Population	percent	9.2		8.2	8.4	2018		5
2.13	High Blood Pressure Prevalence	percent	38.2	27.7	32.2	32.3	2019		9
	Age-Adjusted Hospitalization Rate due to Heart Attack	hospitalizations/ 10,000 population 35+ years	29.4		23.9		2014		19
	Age-Adjusted Death Rate due to Heart Disease	deaths/ 100,000 population	232.2		161.9	723.5	2017-2019		10
1.58	Adults who Experienced a Stroke	percent	3.7			3.4	2018		3
	Adults who Have Taken Medications for High Blood Pressure	percent	77.6			75.8	2017		3
1.58	High Cholesterol Prevalence: Adults 18+	percent	35.7			34.1	2017		3

## SECTION 13 APPENDICES

1.43	Adults who Experienced Coronary Heart Disease	percent	7		6.8	2018	3
1.43	Cholesterol Test History	percent	82.6		81.5	2017	3
1.38	Heart Failure: Medicare Population	percent	13.2	12.6	14	2018	5
1.38	Ischemic Heart Disease: Medicare Population	percent	26.7	26.4	26.8	2018	5
0.93	Age-Adjusted Death Rate due to Heart Attack	deaths/ 100,000 population 35+ years	33.1	43.9		2018	19
0.90	High Cholesterol Prevalence	percent	30	31.3	33.1	2019	9

SCORE	IMMUNIZATIONS & INFECTIOUS DISEASES	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.55	Gonorrhea Incidence Rate	cases/ 100,000 population	377		170.3	179.1	2018		10
2.45	Chlamydia Incidence Rate	cases/ 100,000 population	811.3		586.3	539.9	2018		10
2.30	Salmonella Infection Incidence Rate	cases/ 100,000 population	39.4	11.1	16.5		2019		10
2.23	Adults with Influenza Vaccination	percent	34.3		41.7		2014		10
2.08	Overcrowded Households	percent of households	2.9		2.3		2015-2019		1
1.78	COVID-19 Daily Average Incidence Rate	cases per 100,000 population	1.6		1.2	6.1	9-Jul-21		8
1.78	HIV Diagnosis Rate	cases/ 100,000 population	18.5		20.4		2017		10
1.73	Adults Fully Vaccinated Against COVID-19	percent	47.6				10-Jun-21		4
1.70	Adults 65+ with Pneumonia Vaccination	percent	74.8		76.6	73.3	2019		9
1.43	Adults 65+ with Influenza Vaccination	percent	67.7		68.7	64	2019		9
1.13	Syphilis Incidence Rate	cases/ 100,000 population	4.9		12.2	10.8	2018		10
1.08	Tuberculosis Incidence Rate	cases/ 100,000 population	1.9	1.4	3.5	2.8	2018		10
0.70	Age-Adjusted Death Rate due to Influenza and Pneumonia	deaths/ 100,000 population	8.3		16	15.2	2012-2014		10
0.48	COVID-19 Daily Average Case-Fatality Rate	deaths per 100 cases	0		7.3	2.8	9-Jul-21		8

SCORE	MATERNAL, FETAL & INFANT HEALTH	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.40	Infant Mortality Rate	deaths/ 1,000 live births per 1,000 live births plus fetal deaths of 28 or more weeks gestation	8.8	5	6.4	5.8	2014-2018		10
1.83	Perinatal Deaths	weeks gestation	7.9		6.3		2019	Black (0) White (8.1) Hisp (0)	10
1.70	Babies with Low Birth Weight	percent	9		8.7	8.3	2019		10
1.45	Teen Birth Rate: 15-19	live births/ 1,000 females aged 15-19	15.9		13.9	16.7	2019	Black (33.4) White (8) Hisp (33.8)	10
0.98	Preterm Births	percent	9.2	9.4	10.3	10	2019		10
0.45	Sudden Unexpected Infant Death Rate	deaths/ 1,000 live births	0.8		1	0.9	2011-2015		10

SCORE	MENTAL HEALTH & MENTAL DISORDERS	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.25	Poor Mental Health: Average Number of Days	days	4.8		3.7	4.1	2018		6
2.03	Depression: Medicare Population	percent	18.5		18	18.4	2018		5
2.00	Self-Reported General Health Assessment: Good or Better	percent	78.8		85.8	82	2019		9
1.98	Age-Adjusted Death Rate due to Suicide	deaths/ 100,000 population	12.2	12.8	9.2	12.7	2012-2014		10
1.95	Frequent Mental Distress	percent	14.6		11.4	13	2018		6
1.80	Age-Adjusted Hospitalization Rate Related to Alzheimer's and Other Dementias	hospitalizations/ 100,000 population	543.9		515.5		2017		10
1.80	Poor Mental Health: 14+ Days	percent	11.1		9.7		2016		9
1.80	Self-Reported Good Mental Health	percent	63.6		70.2		2019		9
1.78	Alzheimer's Disease or Dementia: Medicare Population	percent	11		11.3	10.8	2018		5
1.15	Age-Adjusted ER Rate due to Mental Health	ER Visits/ 100,000 population	2863.5		3796.7		2016		10
0.45	Mental Health Provider Rate	providers/ 100,000 population	345.5		274.9		2020		6

SCORE	OLDER ADULTS	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.78	Chronic Kidney Disease: Medicare Population	percent	31.1		25.1	24.5	2018		5
2.53	Hyperlipidemia: Medicare Population	percent	59.2		51.9	47.7	2018		5
2.38	Hypertension: Medicare Population	percent	66.9		61.2	57.2	2018		5
2.28	Stroke: Medicare Population	percent	5		4.5	3.8	2018		5
2.23	Atrial Fibrillation: Medicare Population	percent	9.2		8.2	8.4	2018		5
2.23	COPD: Medicare Population	percent	12.7		10.2	11.5	2018		5
2.03	Depression: Medicare Population	percent	18.5		18	18.4	2018		5
2.00	Age-Adjusted Death Rate due to Falls	deaths/ 100,000 population	8.6		8.5	8.5	2012-2014		10
1.98	Diabetes: Medicare Population	percent	31		29.6	27	2018		5
1.88	Osteoporosis: Medicare Population	percent	6.4		6.4	6.6	2018		5
1.88	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	33.8		34.6	33.5	2018		5
1.80	Age-Adjusted Hospitalization Rate Related to Alzheimer's and Other Dementias	hospitalizations/ 100,000 population	543.9		515.5		2017		10
1.80	People 65+ with Low Access to a Grocery Store	percent	4				2015		23
1.78	Alzheimer's Disease or Dementia: Medicare Population	percent	11		11.3	10.8	2018		5
1.70	Adults 65+ with Pneumonia Vaccination	percent	74.8		76.6	73.3	2019		9
1.63	Cancer: Medicare Population	percent	8.7		9.2	8.4	2018		5
1.58	Adults 65+ with Total Tooth Loss	percent	14.8		13.5		2018		3
1.58	Adults with Arthritis	percent	28.6		25.8		2018		3
1.53	Asthma: Medicare Population	percent	5.2		5.4	5	2018		5
1.53	People 65+ Living Alone	percent	26.8		26	26.1	2015-2019		1



# SECTION 13 APPENDICES

								Black (15) White (6.1) Asian (0) AIAN (0) Mult (10.1) Other (20.9) Hisp (20.2)	
1.48	People 65+ Living Below Poverty Level	percent	7.8	7.7	9.3	2015-2019			1
1.43	Adults 65+ who Received Recommended Preventive Services: Males	percent	32.6		32.4	2018			3
1.43	Adults 65+ with Influenza Vaccination	percent	67.7	68.7	64	2019			9
1.38	Heart Failure: Medicare Population	percent	13.2	12.6	14	2018			5
1.38	Ischemic Heart Disease: Medicare Population	percent	26.7	26.4	26.8	2018			5
1.13	Adults 65+ who Received Recommended Preventive Services: Females	percent	32.7		28.4	2018			3
SCORE	ORAL HEALTH	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.53	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	15.3		11.1	11.8	2013-2017		17
2.30	Adults who Visited a Dentist	percent	56.3		66.3	67.6	2018		9
1.98	Age-Adjusted ER Visit Rate due to Dental Problems	ER Visits/ 100,000 population	1346.1		362.7		2017		10
1.78	Children who Visited a Dentist	percent	60		63.7		2017		10
1.60	Adults with No Tooth Extractions	percent	54.9		60.3	58.9	2018		9
1.58	Adults 65+ with Total Tooth Loss	percent	14.8		13.5		2018		3
0.85	Dentist Rate	dentists/ 100,000 population	83		79.4		2019		6
SCORE	OTHER CONDITIONS	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.78	Chronic Kidney Disease: Medicare Population	percent	31.1		25.1	24.5	2018		5
1.88	Osteoporosis: Medicare Population	percent	6.4		6.4	6.6	2018		5
1.88	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	33.8		34.6	33.5	2018		5
1.58	Adults with Arthritis	percent	28.6		25.8		2018		3
1.13	Adults with Kidney Disease	Percent of adults	3		3.1		2018		3
SCORE	PHYSICAL ACTIVITY	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.15	Adults Who Are Obese	percent	37.5		32.1	32.1	2019		9
2.05	Adults with a Healthy Weight	percent	31.3		35.1	35.2	2014		10
1.98	Food Environment Index		7.4		8.7	7.8	2021		6
1.95	Adolescents who are Obese	percent	16.1		12.6		2016		10
1.95	Grocery Store Density	stores/ 1,000 population	0.1				2016		23
1.95	Low-Income and Low Access to a Grocery Store	percent	8.9				2015		23
1.95	WIC Certified Stores	stores/ 1,000 population	0.1				2016		23
1.93	Workers who Walk to Work	percent	2.1		2.3	2.7	2015-2019	Black (1.3) White (2.3) Asian (1.2) AIAN (0) NHPI (0) Mult (3.2) Other (12) Hisp (4.4)	1
1.80	Access to Exercise Opportunities	percent	77.2		92.6	84	2020		6
1.80	Children with Low Access to a Grocery Store	percent	6.4				2015		23
1.80	People 65+ with Low Access to a Grocery Store	percent	4				2015		23
1.80	People with Low Access to a Grocery Store	percent	26.7				2015		23
1.68	Fast Food Restaurant Density	restaurants/ 1,000 population	0.8				2016		23
1.65	Farmers Market Density	markets/ 1,000 population	0				2018		23
1.50	Households with No Car and Low Access to a Grocery Store	percent	2.4				2015		23
1.50	Recreation and Fitness Facilities	facilities/ 1,000 population	0.1				2016		23
1.45	Adults Engaging in Regular Physical Activity	percent	50.5	28.4	51.8		2019		9
1.23	SNAP Certified Stores	stores/ 1,000 population	0.9				2017		23
1.05	Adults who are Overweight or Obese	percent	66.7		66.1	66.7	2019		9
SCORE	PREVENTION & SAFETY	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.28	Severe Housing Problems	percent	20		16.2	18	2013-2017		6
2.00	Age-Adjusted Death Rate due to Falls	deaths/ 100,000 population	8.6		8.5	8.5	2012-2014		10
1.78	Death Rate due to Drug Poisoning	deaths/ 100,000 population	32.3		38.3	21	2017-2019		6
1.63	Pedestrian Injuries	injuries/ 100,000 population	40.8		53.5		2017		10
1.55	Age-Adjusted Death Rate due to Unintentional Injuries	deaths/ 100,000 population	40.2	43.2	36.4	48.9	2017-2019		10
SCORE	RESPIRATORY DISEASES	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.78	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	79.3		56.4	58.3	2013-2017		17
2.53	Adults who Smoke	percent	21.1	5	13.1	16	2019		9
2.23	Adults with Influenza Vaccination	percent	34.3		41.7		2014		10
2.23	Age-Adjusted ER Rate due to Asthma	ER visits/ 10,000 population	102.9		68.4		2017		10
2.23	COPD: Medicare Population	percent	12.7		10.2	11.5	2018		5
1.95	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	52.6	25.1	37.2	38.5	2013-2017		17
1.88	Adults with Current Asthma	percent	10.4		9.2		2018		3
1.85	Adults with Asthma	percent	15.2		14.9	14.9	2019		9
1.78	COVID-19 Daily Average Incidence Rate	cases per 100,000 population	1.6		1.2	6.1	9-Jul-21		8
1.73	Adults with COPD	Percent of adults	7.8		6.9		2018		3
1.70	Adults 65+ with Pneumonia Vaccination	percent	74.8		76.6	73.3	2019		9
1.53	Asthma: Medicare Population	percent	5.2		5.4	5	2018		5
1.43	Adults 65+ with Influenza Vaccination	percent	67.7		68.7	64	2019		9

## SECTION 13 APPENDICES

1.43	Teens who Smoke Cigarettes: High School Students	percent	6.9	5	2018	16			
1.08	Tuberculosis Incidence Rate	cases/ 100,000 population	1.9	1.4	3.5	2.8	2018	10	
0.78	Adolescents who Use Tobacco	percent	16.1	23	2016	10			
0.70	Age-Adjusted Death Rate due to Influenza and Pneumonia	deaths/ 100,000 population	8.3	16	15.2	2012-2014	10		
0.48	COVID-19 Daily Average Case-Fatality Rate	deaths per 100 cases	0	7.3	2.8	9-Jul-21	8		
SCORE	SEXUALLY TRANSMITTED INFECTIONS	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.55	Gonorrhea Incidence Rate	cases/ 100,000 population	377		170.3	179.1	2018		10
2.45	Chlamydia Incidence Rate	cases/ 100,000 population	811.3		586.3	539.9	2018		10
1.78	HIV Diagnosis Rate	cases/ 100,000 population	18.5		20.4		2017		10
1.13	Syphilis Incidence Rate	cases/ 100,000 population	4.9		12.2	10.8	2018		10
SCORE	TOBACCO USE	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.53	Adults who Smoke	percent	21.1	5	13.1	16	2019		9
1.43	Teens who Smoke Cigarettes: High School Students	percent	6.9		5		2018		16
0.78	Adolescents who Use Tobacco	percent	16.1		23		2016		10
SCORE	WEIGHT STATUS	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.15	Adults Who Are Obese	percent	37.5		32.1	32.1	2019		9
2.05	Adults with a Healthy Weight	percent	31.3		35.1	35.2	2014		10
1.95	Adolescents who are Obese	percent	16.1		12.6		2016		10
1.05	Adults who are Overweight or Obese	percent	66.7		66.1	66.7	2019		9
SCORE	WELLNESS & LIFESTYLE	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.03	Insufficient Sleep	percent	39.4	31.4	37.7	35	2018		6
2.00	Self-Reported General Health Assessment: Good or Better	percent	78.8		85.8	82	2019		9
1.98	Average Life Expectancy	years	76.6		79.2		2017-2019		10
1.95	Frequent Physical Distress	percent	12.2		10.1	11	2018		6
1.95	Life Expectancy	years	76.7		79.2	79.2	2017-2019		6
1.80	Poor Physical Health: 14+ Days	percent	11.3		9		2016		9
1.65	Self-Reported Good Physical Health	percent	73.8		76.4		2019		9
SCORE	WOMEN'S HEALTH	UNITS	WICOMICO COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.38	Breast Cancer Incidence Rate	cases/ 100,000 females	142.6		132.9	125.9	2013-2017		17
2.23	Cervical Cancer Incidence Rate	cases/ 100,000 females	8.7		6.6	7.6	2013-2017		17
1.73	Cervical Cancer Screening: 21-65	Percent	84			84.7	2018		3
1.70	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	21.4	15.3	21.7	20.1	2013-2017		17
1.20	Pap Test in Past 3 Years	percent	75.6		70.3		2018		9
1.08	Mammogram in Past 2 Years: 50+	percent	89		82		2018		9
0.95	Mammogram in Past 2 Years: 50-74	percent	78.2	77.1		74.8	2018		3

## WORCESTER DATA SCORING

### WORCESTER SOURCES

Key	Source
1	American Community Survey
2	American Lung Association
3	Annie E. Casey Foundation
4	CDC - PLACES
5	Centers for Disease Control and Prevention
6	Centers for Medicare & Medicaid Services
7	County Health Rankings
8	Feeding America
9	Healthy Communities Institute
10	Maryland Behavioral Risk Factor Surveillance System
11	Maryland Department of Health
12	Maryland Department of the Environment
13	Maryland Governor's Office for Children
14	Maryland Governor's Office of Crime Control & Prevention
15	Maryland State Board of Elections
16	Maryland State Department of Education
17	Maryland Youth Risk Behavior Survey/Youth Tobacco Survey
18	National Cancer Institute
19	National Center for Education Statistics
20	National Environmental Public Health Tracking Network
21	U.S. Bureau of Labor Statistics
22	U.S. Census - County Business Patterns
23	U.S. Census Bureau - Small Area Health Insurance Estimates
24	U.S. Department of Agriculture - Food Environment Atlas
25	United For ALICE

**WORCESTER TOPICS**

<b>Health and Quality of Life Topics</b>	<b>Score</b>
Alcohol & Drug Use	<b>1.93</b>
Other Conditions	<b>1.91</b>
Oral Health	<b>1.68</b>
Children's Health	<b>1.66</b>
Heart Disease & Stroke	<b>1.65</b>
Women's Health	<b>1.64</b>
Cancer	<b>1.63</b>
Prevention & Safety	<b>1.62</b>
Environmental Health	<b>1.53</b>
Economy	<b>1.49</b>
Community	<b>1.47</b>
Older Adults	<b>1.47</b>
Diabetes	<b>1.43</b>
Maternal, Fetal & Infant Health	<b>1.42</b>
Physical Activity	<b>1.42</b>
Adolescent Health	<b>1.40</b>
Health Care Access & Quality	<b>1.36</b>
Tobacco Use	<b>1.31</b>
Respiratory Diseases	<b>1.30</b>
Mental Health & Mental Disorders	<b>1.29</b>
Immunizations & Infectious Diseases	<b>1.28</b>
Weight Status	<b>1.23</b>
Wellness & Lifestyle	<b>1.22</b>
Education	<b>1.13</b>
Sexually Transmitted Infections	<b>1.00</b>

## WORCESTER COUNTY INDICATORS

SCORE	ADOLESCENT HEALTH	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.78	Adolescents who are Obese	percent	13.6		12.6		2016		11
1.68	Adolescents who have had a Routine Checkup: Medicaid Population	percent	53		54.6		2017		11
1.43	Teens who Smoke Cigarettes: High School Students	percent	7.7		5		2018		17
1.15	Teen Birth Rate: 15-19	births/ 1,000 females aged 15-19	14		13.9	16.7	2019	Black (4.2) White (6.9)	11
0.98	Adolescents who Use Tobacco	percent	18.4		23		2016		11
SCORE	ALCOHOL & DRUG USE	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.45	Age-Adjusted Death Rate due to Drug Use	deaths/ 100,000 population	48.7		30.9	20.3	2015-2017		11
2.35	Alcohol-Impaired Driving Deaths	driving deaths with alcohol in driver's blood	44.2	28.3	28.8	27	2015-2019		7
2.13	Liquor Store Density	stores/ 100,000 population	24.9		20.5	10.5	2019		22
1.80	Age-Adjusted ER Rate due to Alcohol/Substance Abuse	ER visits/ 100,000 population	1977.1		2017		2017		11
1.73	Age-Adjusted Drug and Opioid-Involved Overdose Death Rate	deaths per 100,000 population	40.3		38.2	22.8	2017-2019		5
1.53	Death Rate due to Drug Poisoning	deaths/ 100,000 population	32.7		38.3	21	2017-2019		7
1.50	Adults who Binge Drink	percent	17.2		14.8	16.8	2019		10
SCORE	CANCER	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.55	Age-Adjusted Death Rate due to Colorectal Cancer	deaths/ 100,000 population	15.2	8.9	13.7	13.7	2013-2017		18
2.40	Cervical Cancer Incidence Rate	cases/ 100,000 females	12.1		6.6	7.6	2013-2017		18
2.23	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	13.2		11.1	11.8	2013-2017		18
2.18	Adults with Cancer	percent	9.6		6.9		2018		4
2.08	Breast Cancer Incidence Rate	cases/ 100,000 females	135.8		132.9	125.9	2013-2017		18
1.83	Prostate Cancer Incidence Rate	cases/ 100,000 males	121.3		124.7	104.5	2013-2017		18
1.65	Cancer: Medicare Population	percent	9		9.2	8.4	2018		6
1.65	Mammogram in Past 2 Years: 50+	percent	77.1		82		2018		10
1.60	Age-Adjusted Death Rate due to Prostate Cancer	deaths/ 100,000 males	19.7	16.9	20	19	2013-2017		18
1.60	Mammogram in Past 2 Years: 50-74	percent	73.7	77.1		74.8	2018		4
1.48	Pap Test in Past 3 Years	percent	71.6		70.3		2018		10
1.40	Age-Adjusted Death Rate due to Cancer	deaths/ 100,000 population	164.5	122.7	155.1	155.5	2013-2017		18
1.35	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	41.9	25.1	37.2	38.5	2013-2017		18
1.35	Colorectal Cancer Incidence Rate	cases/ 100,000 population	37.5		36.4	38.4	2013-2017		18
1.20	Colon Cancer Screening: Sigmoidoscopy or Colonoscopy	percent	79.9		75.7		2018		10
1.15	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	19.9	15.3	21.7	20.1	2013-2017		18
1.13	Cervical Cancer Screening: 21-65	Percent	85.7		84.7		2018		4
1.13	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	62		56.4	58.3	2013-2017		18
1.00	Colon Cancer Screening	percent	70.2	74.4		66.4	2018		4
SCORE	CHILDREN'S HEALTH	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.25	Child Food Insecurity Rate	percent	22.3		16.1	15.2	2018		8
1.95	Child Abuse Rate	cases/ 1,000 children	13.5		5.7		2018		13
1.95	Projected Child Food Insecurity Rate	percent	34.8				2020		8
1.63	Blood Lead Levels in Children	percent	0.2		0.2		2019		12
1.48	Children who Visited a Dentist	percent	62.7		63.7		2017		11
1.35	Children with Low Access to a Grocery Store	percent	3.4				2015		24
1.35	Food Insecure Children Likely Ineligible for Assistance	percent	25		32	25	2018		8
1.30	Children with Health Insurance	percent	96.2		96.8		2018		23
SCORE	COMMUNITY	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.35	Alcohol-Impaired Driving Deaths	driving deaths with alcohol in driver's blood	44.2	28.3	28.8	27	2015-2019		7
2.28	Homeownership	percent	29.4		60.2	56.2	2015-2019		1
2.13	Single-Parent Households	percent	29.2		26.4	25.5	2015-2019		1
2.03	Workers who Walk to Work	percent	2.2		2.3	2.7	2015-2019	Black (0.3) White (2.5) Asian (0) AIAN (0) NHIPI (0) Mult (5.3) Other (0) Hisp (0.1)	1
1.98	Pedestrian Injuries	injuries/ 100,000 population	81.3		53.5		2017		11
1.98	Youth not in School or Working	percent	2.1		1.9	1.9	2015-2019		1
1.95	Child Abuse Rate	cases/ 1,000 children	13.5		5.7		2018		13
1.78	Workers who Drive Alone to Work	percent	80.8		73.9	76.3	2015-2019		1
1.68	Domestic Violence Offense Rate	offenses/ 100,000 population	543.6		537.1		2017		11
1.65	Households with One or More Types of Computing Devices	percent	88.5		92.4	90.3	2015-2019		1
1.65	People 25+ with a Bachelor's Degree or Higher	percent	29		40.2	32.1	2015-2019		1
1.60	Workers Commuting by Public Transportation	percent	2.5	5.3	8.4	5	2015-2019	Black (8.8) White (1.2) Asian (9.5) AIAN (0) NHIPI (0) Mult (3.6) Other (0) Hisp (6.5)	1
1.58	Persons with an Internet Subscription	percent	87.8		89.4	86.2	2015-2019		1
1.50	Households with No Car and Low Access to a Grocery Store	percent	2.1				2015		24
1.48	People 65+ Living Alone	percent	26		26	26.1	2015-2019		1
1.35	Households with an Internet Subscription	percent	83.1		86.7	83	2015-2019		1
1.35	Violent Crime Rate	crimes/ 100,000 population	344.3		394		2017		14
1.33	Persons with Health Insurance	percent	93	92.1	93.1		2018		23
1.18	Mean Travel Time to Work	minutes	24.8		33.2	26.9	2015-2019		1
1.13	Median Household Income	dollars	63499		84805	62843	2015-2019		1
1.08	Children Living Below Poverty Level	percent	13.1		12.1	18.5	2015-2019		1
1.08	Households without a Vehicle	percent	6.7		9	8.6	2015-2019		1
1.08	Voter Registration	percent	89.6		83.6		2016		15
1.00	People Living Below Poverty Level	percent	9	8	9.2	13.4	2015-2019		1

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0.83	People 25+ with a High School Degree or Higher	percent	91.3	90.2	88	2015-2019	1		
0.83	Per Capita Income	dollars	38080	42122	34103	2015-2019	1		
0.73	Social Associations	ship associations/ 10,000 pop	17.4	9	9.3	2018	7		
0.63	Solo Drivers with a Long Commute	percent	30	50.2	37	2015-2019	7		
SCORE	DIABETES	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.18	Adults with Diabetes	percent	11.8		10	10.7	2019		10
2.03	Age-Adjusted ER Rate due to Diabetes	ER Visits/ 100,000 population	310.5		243.7		2017		11
0.90	Diabetes: Medicare Population	percent	26.3		29.6	27	2018		6
0.60	Age-Adjusted Death Rate due to Diabetes	deaths/ 100,000 population	14.5		19.2	21.1	2012-2014		11
SCORE	ECONOMY	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.53	Homeowner Vacancy Rate	percent	3.4		1.7	1.6	2015-2019		1
2.28	Homeownership	percent	29.4		60.2	56.2	2015-2019		1
2.25	Child Food Insecurity Rate	percent	22.3		16.1	15.2	2018		8
2.10	Food Insecurity Rate	percent	13.3		11	11.5	2018		8
2.08	Renters Spending 30% or More of Household Income on Rent	percent	50.1		49.7	49.6	2015-2019		1
2.03	Unemployed Workers in Civilian Labor Force	percent	8.1		5.9	5.7	Apr-21		21
1.98	Youth not in School or Working	percent	2.1		1.9	1.9	2015-2019		1
1.95	Projected Child Food Insecurity Rate	percent	34.8				2020		8
1.93	Severe Housing Problems	percent	17		16.2	18	2013-2017		7
1.80	Projected Food Insecurity Rate	percent	20.1				2020		8
1.78	Households that are Above the Asset Limited, Income Constrained, Employed (ALICE) Threshold	percent	60.5		61		2018		25
1.78	Households that are Below the Federal Poverty Level	percent	9.7		9		2018		25
1.50	WIC Certified Stores	stores/ 1,000 population	0.2				2016		24
1.48	Households that are Asset Limited, Income Constrained, Employed (ALICE)	percent	29.8		30		2018		25
1.35	Food Insecure Children Likely Ineligible for Assistance	percent	25		32	25	2018		8
1.35	Low-Income and Low Access to a Grocery Store	percent	4.3				2015		24
1.33	Overcrowded Households	percent of households	1.2		2.3		2015-2019		1
1.33	SNAP Certified Stores	stores/ 1,000 population	1				2017		24
1.23	People Living 200% Above Poverty Level	percent	74.8		78.4	69.1	2015-2019		1
1.13	Median Household Income	dollars	63499		84805	62843	2015-2019		1
1.08	Children Living Below Poverty Level	percent	13.1		12.1	18.5	2015-2019		1
1.08	Families Living Below Poverty Level	percent	6.3		6.1	9.5	2015-2019	Black (14.9) White (5) Asian (2.5) AIAN (0) NHPI (0) Mult (18.1) Other (0) Hisp (9.1)	1
1.08	Households with Cash Public Assistance Income	percent	2		2.2	2.4	2015-2019		1
1.00	People Living Below Poverty Level	percent	9	8	9.2	13.4	2015-2019		1
0.98	Students Eligible for the Free Lunch Program	percent	36.2				2019-2020		19
0.93	Persons with Disability Living in Poverty (5-year)	percent	19.9		20.9	26.1	2015-2019		1
0.83	Per Capita Income	dollars	38080		42122	34103	2015-2019		1
0.68	Affordable Housing	percent	62.5		48.1		2016		11
0.48	People 65+ Living Below Poverty Level	percent	5.6		7.7	9.3	2015-2019		1
SCORE	EDUCATION	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.65	People 25+ with a Bachelor's Degree or Higher	percent	29		40.2	32.1	2015-2019		1
1.43	Student-to-Teacher Ratio	students/ teacher	11.9				2019-2020		19
1.18	3rd Grade Students Proficient in Reading	percent	60.8		41.2		2019		3
1.18	8th Grade Students Proficient in Math	percent	31.8		12.5		2019		3
1.08	School Readiness at Kindergarten Entry	percent	66		47		2019-2020		16
1.05	8th Grade Students Proficient in Reading	percent	63.1		45.1		2019		3
0.93	3rd Grade Students Proficient in Math	percent	69.3		42.5		2019		3
0.83	People 25+ with a High School Degree or Higher	percent	91.3		90.2	88	2015-2019		1
0.80	High School Graduation	percent	94.6	90.7	86.8		2020		16
SCORE	ENVIRONMENTAL HEALTH	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.18	Daily Dose of UV Irradiance	Joule per square meter	2675		2499		2015		20
2.13	Liquor Store Density	stores/ 100,000 population	24.9		20.5	10.5	2019		22
2.08	Age-Adjusted ER Rate due to Asthma	ER visits/ 10,000 population	79.1		68.4		2017		11
1.95	People 65+ with Low Access to a Grocery Store	percent	5.8				2015		24
1.93	Severe Housing Problems	percent	17		16.2	18	2013-2017		7
1.83	Fast Food Restaurant Density	restaurants/ 1,000 populatio	1.6				2016		24
1.78	Food Environment Index		7.8		8.7	7.8	2021		7
1.63	Blood Lead Levels in Children	percent	0.2		0.2		2019		12
1.63	Months of Mild Drought or Worse	months per year	5				2016		20
1.63	Number of Extreme Precipitation Days	days	40				2016		20
1.50	Households with No Car and Low Access to a Grocery Store	percent	2.1				2015		24
1.50	People with Low Access to a Grocery Store	percent	20.7				2015		24
1.50	WIC Certified Stores	stores/ 1,000 population	0.2				2016		24
1.45	Adults with Asthma	percent	15.3		15.2	14.7	2018		10
1.43	Adults with Current Asthma	percent	9.5			9.2	2018		4
1.38	Number of Extreme Heat Days	days	24				2016		20
1.35	Annual Ozone Air Quality		4				2008-2010		2
1.35	Children with Low Access to a Grocery Store	percent	3.4				2015		24

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	Low-Income and Low Access to a Grocery Store	percent	4.3			2015	24
1.33	Grocery Store Density	stores/ 1,000 population	0.2			2016	24
1.33	Overcrowded Households	percent of households	1.2	2.3		2015-2019	1
1.33	SNAP Certified Stores	stores/ 1,000 population	1			2017	24
1.20	Access to Exercise Opportunities	percent	89.6	92.6	84	2020	7
1.20	Farmers Market Density	markets/ 1,000 population	0.1			2018	24
1.05	Recreation and Fitness Facilities	facilities/ 1,000 population	0.2			2016	24
0.63	Asthma: Medicare Population	percent	3.9	5.4	5	2018	6

SCORE	HEALTH CARE ACCESS & QUALITY	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.20	Adults Unable to Afford to See a Doctor	percent	14.1		9.9	12	2016		10
2.00	People with a Usual Primary Care Provider	percent	78.3	84	84.8		2016		11
1.73	Dentist Rate	dentists/ 100,000 population	57.4		79.4		2019		7
	Adolescents who have had a Routine Checkup: Medicaid Population	percent	53		54.6		2017		11
1.48	Children who Visited a Dentist	percent	62.7		63.7		2017		11
1.33	Persons with Health Insurance	percent	93	92.1	93.1		2018		23
1.30	Children with Health Insurance	percent	96.2		96.8		2018		23
1.15	Adults who Visited a Dentist	percent	69.2		66.3	67.6	2018		10
1.15	Adults with Health Insurance: 18-64	percent	91.9		91.7		2018		23
1.15	Primary Care Provider Rate	providers/ 100,000 population	84.9		88.6		2018		7
1.13	Adults who have had a Routine Checkup	percent	89.7		90		2019		10
1.08	Uninsured Emergency Department Visits	percent	6.4		8.6		2017		11
1.05	Non-Physician Primary Care Provider Rate	providers/ 100,000 population	105.2		115.1		2020		7
1.13	Adults who have had a Routine Checkup	percent	89.7		90		2019		10
0.90	Mental Health Provider Rate	providers/ 100,000 population	248.7		274.9		2020		7

SCORE	HEART DISEASE & STROKE	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.53	Atrial Fibrillation: Medicare Population	percent	10.4		8.2	8.4	2018		6
2.40	Hyperlipidemia: Medicare Population	percent	59.4		51.9	47.7	2018		6
2.23	Hypertension: Medicare Population	percent	66.3		61.2	57.2	2018		6
2.18	High Cholesterol Prevalence: Adults 18+	percent	41.1			34.1	2017		4
	Age-Adjusted Death Rate due to Cerebrovascular Disease (Stroke)	deaths/ 100,000 population	44.3	33.4	40.7	37.2	2017-2019		11
2.08	Age-Adjusted ER Rate due to Hypertension	ER Visits/ 100,000 population	417.2		351.2		2017		11
	Adults who Experienced Coronary Heart Disease	percent	8.8			6.8	2018		4
1.88	Adults who Experienced a Stroke	percent	4.2			3.4	2018		4
1.83	Stroke: Medicare Population	percent	4.4		4.5	3.8	2018		6
	Age-Adjusted Hospitalization Rate due to Heart Attack	admissions/ 10,000 population	28.5		23.9		2014		20
	Age-Adjusted Death Rate due to Heart Disease	deaths/ 100,000 population	185.9		161.9	723.5	2017-2019		11
1.60	High Cholesterol Prevalence	percent	33.1		31.3	33.1	2019		10
1.08	High Blood Pressure Prevalence	percent	30.9	27.7	32.2	32.3	2019		10
	Adults who Have Taken Medications for High Blood Pressure	percent	82.5			75.8	2017		4
0.98	Cholesterol Test History	percent	87.4			81.5	2017		4
	Age-Adjusted Death Rate due to Heart Attack	deaths/ 100,000 population 35+ y	32.5		43.9		2018		20
0.78	Heart Failure: Medicare Population	percent	11.9		12.6	14	2018		6
0.68	Ischemic Heart Disease: Medicare Population	percent	24.4		26.4	26.8	2018		6

SCORE	IMMUNIZATIONS & INFECTIOUS DISEASES	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.30	Salmonella Infection Incidence Rate	cases/ 100,000 population	57.2	11.1	16.5		2019		11
2.00	Adults 65+ with Pneumonia Vaccination	percent	72		76.6	73.3	2019		10
1.58	Adults 65+ with Influenza Vaccination	percent	67		68.7	64	2019		10
1.53	COVID-19 Daily Average Incidence Rate	cases per 100,000 population	3		1.2	6.1	9-Jul-21		9
1.43	Adults Fully Vaccinated Against COVID-19	percent	61.2				Jun-21		5
1.38	Adults with Influenza Vaccination	percent	42.6		41.7		2014		11
1.33	Overcrowded Households	percent of households	1.2		2.3		2015-2019		1
	Age-Adjusted Death Rate due to Influenza and Pneumonia	deaths/ 100,000 population	13.3		16	15.2	2012-2014		11
1.10	Chlamydia Incidence Rate	cases/ 100,000 population	381.1		586.3	539.9	2018		11
1.05	HIV Diagnosis Rate	cases/ 100,000 population	4.4		20.4		2017		11
1.00	Gonorrhea Incidence Rate	cases/ 100,000 population	118		170.3	179.1	2018		11
0.85	Syphilis Incidence Rate	cases/ 100,000 population	3.9		12.2	10.8	2018		11
0.63	Tuberculosis Incidence Rate	cases/ 100,000 population	0	1.4	3.5	2.8	2018		11
0.60	COVID-19 Daily Average Case-Fatality Rate	deaths per 100 cases	0		7.3	2.8	9-Jul-21		9

SCORE	MATERNAL, FETAL & INFANT HEALTH	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.53	Infant Mortality Rate	deaths/ 1,000 live births	9.9	5	6.4	5.8	2014-2018		11
2.18	Sudden Unexpected Infant Death Rate	deaths/ 1,000 live births	2		1	0.9	2011-2015		11
1.35	Babies with Low Birth Weight	percent	7.9		8.7	8.3	2019		11
1.15	Teen Birth Rate: 15-19	births/ 1,000 females aged 15-19	14		13.9	16.7	2019	Black (4.2) White (6.9)	11
0.93	Perinatal Deaths	plus fetal deaths of 28 or more weeks gestation	0		6.2		2018		11
0.38	Preterm Births	percent	5.6	9.4	10.3	10	2019		11

SCORE	MENTAL HEALTH & MENTAL DISORDERS	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.08	Self-Reported Good Mental Health	percent	60.3		70.2		2019		10
1.73	Age-Adjusted Death Rate due to Suicide	deaths/ 100,000 population	12	12.8	9	12.5	2011-2013		11
1.65	Age-Adjusted ER Rate due to Mental Health	ER Visits/ 100,000 population	3657		3796.7		2016		11

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1.50	Frequent Mental Distress	percent	13	11.4	13	2018	7
1.33	Age-Adjusted Hospitalization Rate Related to Alzheimer's and Other Dementias	hospitalizations/ 100,000 population	407.7	515.5		2017	11
1.20	Poor Mental Health: Average Number of Days	days	4	3.7	4.1	2018	7
1.13	Alzheimer's Disease or Dementia: Medicare Population	percent	9.2	11.3	10.8	2018	6
1.05	Poor Mental Health: 14+ Days	percent	6.9	9.7		2016	10
0.98	Depression: Medicare Population	percent	14.5	18	18.4	2018	6
0.90	Mental Health Provider Rate	providers/ 100,000 population	248.7	274.9		2020	7
0.60	Self-Reported General Health Assessment: Good or Better	percent	90.4	85.8	82	2019	10

SCORE	OLDER ADULTS	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.53	Atrial Fibrillation: Medicare Population	percent	10.4		8.2	8.4	2018		6
2.40	Hyperlipidemia: Medicare Population	percent	59.4		51.9	47.7	2018		6
2.23	Hypertension: Medicare Population	percent	66.3		61.2	57.2	2018		6
2.18	Adults with Arthritis	percent	39.4			25.8	2018		4
2.18	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	35.1		34.6	33.5	2018		6
2.00	Adults 65+ with Pneumonia Vaccination	percent	72		76.6	73.3	2019		10
1.95	People 65+ with Low Access to a Grocery Store	percent	5.8				2015		24
1.83	Stroke: Medicare Population	percent	4.4		4.5	3.8	2018		6
1.73	Chronic Kidney Disease: Medicare Population	percent	23.5		25.1	24.5	2018		6
1.65	Cancer: Medicare Population	percent	9		9.2	8.4	2018		6
1.58	Adults 65+ who Received Recommended Preventive Services: Males	percent	31.3			32.4	2018		4
1.58	Adults 65+ with Influenza Vaccination	percent	67		68.7	64	2019		10
1.48	People 65+ Living Alone	percent	26		26	26.1	2015-2019		1
1.43	Osteoporosis: Medicare Population	percent	5.6		6.4	6.6	2018		6
1.33	Age-Adjusted Hospitalization Rate Related to Alzheimer's and Other Dementias	hospitalizations/ 100,000 population	407.7		515.5		2017		11
1.13	Adults 65+ who Received Recommended Preventive Services: Females	percent	33.1			28.4	2018		4
1.13	Adults 65+ with Total Tooth Loss	percent	11.2			13.5	2018		4
1.13	Alzheimer's Disease or Dementia: Medicare Population	percent	9.2		11.3	10.8	2018		6
0.98	Depression: Medicare Population	percent	14.5		18	18.4	2018		6
0.90	Diabetes: Medicare Population	percent	26.3		29.6	27	2018		6
0.88	COPD: Medicare Population	percent	9.7		10.2	11.5	2018		6
0.78	Heart Failure: Medicare Population	percent	11.9		12.6	14	2018		6
0.68	Ischemic Heart Disease: Medicare Population	percent	24.4		26.4	26.8	2018		6
0.63	Asthma: Medicare Population	percent	3.9		5.4	5	2018		6
0.48	People 65+ Living Below Poverty Level	percent	5.6		7.7	9.3	2015-2019		1

SCORE	ORAL HEALTH	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.23	Oral Cavity and Pharynx Cancer Incidence Rate	cases/ 100,000 population	13.2		11.1	11.8	2013-2017		18
2.05	Adults with No Tooth Extractions	percent	52.1		60.3	58.9	2018		10
1.98	Age-Adjusted ER Visit Rate due to Dental Problems	ER Visits/ 100,000 population	1051.9		362.7		2017		11
1.73	Dentist Rate	dentists/ 100,000 population	57.4		79.4		2019		7
1.48	Children who Visited a Dentist	percent	62.7		63.7		2017		11
1.15	Adults who Visited a Dentist	percent	69.2		66.3	67.6	2018		10
1.13	Adults 65+ with Total Tooth Loss	percent	11.2			13.5	2018		4

SCORE	OTHER CONDITIONS	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.18	Adults with Arthritis	percent	39.4			25.8	2018		4
2.18	Rheumatoid Arthritis or Osteoarthritis: Medicare Population	percent	35.1		34.6	33.5	2018		6
2.03	Adults with Kidney Disease	Percent of adults	3.6			3.1	2018		4
1.73	Chronic Kidney Disease: Medicare Population	percent	23.5		25.1	24.5	2018		6
1.43	Osteoporosis: Medicare Population	percent	5.6		6.4	6.6	2018		6

SCORE	PHYSICAL ACTIVITY	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.03	Workers who Walk to Work	percent	2.2		2.3	2.7	2015-2019	Black (0.3) White (2.5) Asian (0) AIAN (0) NHPI (0) Mult (5.3) Other (0) Hisp (0.1)	1
1.95	People 65+ with Low Access to a Grocery Store	percent	5.8				2015		24
1.83	Fast Food Restaurant Density	restaurants/ 1,000 population	1.6				2016		24
1.78	Adolescents who are Obese	percent	13.6		12.6		2016		11
1.78	Food Environment Index		7.8		8.7	7.8	2021		7
1.50	Households with No Car and Low Access to a Grocery Store	percent	2.1				2015		24
1.50	People with Low Access to a Grocery Store	percent	20.7				2015		24
1.50	WIC Certified Stores	stores/ 1,000 population	0.2				2016		24
1.35	Children with Low Access to a Grocery Store	percent	3.4				2015		24
1.35	Low-Income and Low Access to a Grocery Store	percent	4.3				2015		24
1.33	Grocery Store Density	stores/ 1,000 population	0.2				2016		24
1.33	SNAP Certified Stores	stores/ 1,000 population	1				2017		24
1.30	Adults with a Healthy Weight	percent	36.2		35.1	35.2	2014		11
1.20	Access to Exercise Opportunities	percent	89.6		92.6	84	2020		7
1.20	Farmers Market Density	markets/ 1,000 population	0.1				2018		24
1.15	Adults Engaging in Regular Physical Activity	percent	54.7	28.4	51.8		2019		10



## SECTION 13 APPENDICES

1.15	Adults Who Are Obese	percent	31.3	32.1	32.1	2019	10		
1.05	Recreation and Fitness Facilities	facilities/ 1,000 population	0.2			2016	24		
0.70	Adults who are Overweight or Obese	percent	54.2	66.1	66.7	2019	10		
SCORE	PREVENTION & SAFETY	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.98	Pedestrian Injuries	injuries/ 100,000 population	81.3		53.5		2017		11
1.93	Severe Housing Problems	percent	17		16.2	18	2013-2017		7
1.53	Death Rate due to Drug Poisoning	deaths/ 100,000 population	32.7		38.3	21	2017-2019		7
	Age-Adjusted Death Rate due to Unintentional Injuries	deaths/ 100,000 population	36.1	43.2	36.4	48.9	2017-2019		11
SCORE	RESPIRATORY DISEASES	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.08	Age-Adjusted ER Rate due to Asthma	ER visits/ 10,000 population	79.1		68.4		2017		11
2.00	Adults 65+ with Pneumonia Vaccination	percent	72		76.6	73.3	2019		10
1.73	Adults with COPD	Percent of adults	8.5			6.9	2018		4
1.58	Adults 65+ with Influenza Vaccination	percent	67		68.7	64	2019		10
1.53	Adults who Smoke	percent	15.5	5	13.1	16	2019		10
1.53	COVID-19 Daily Average Incidence Rate	cases per 100,000 population	3		1.2	6.1	9-Jul-21		9
1.45	Adults with Asthma	percent	15.3		15.2	14.7	2018		10
1.43	Adults with Current Asthma	percent	9.5			9.2	2018		4
	Teens who Smoke Cigarettes: High School Students	percent	7.7		5		2018		17
1.43	Students	percent	42.6		41.7		2014		11
1.38	Adults with Influenza Vaccination	percent							
	Age-Adjusted Death Rate due to Lung Cancer	deaths/ 100,000 population	41.9	25.1	37.2	38.5	2013-2017		18
1.13	Lung and Bronchus Cancer Incidence Rate	cases/ 100,000 population	62		56.4	58.3	2013-2017		18
	Age-Adjusted Death Rate due to Influenza and Pneumonia	deaths/ 100,000 population	13.3		16	15.2	2012-2014		11
1.10	Adolescents who Use Tobacco	percent	18.4		23		2016		11
0.98	COPD: Medicare Population	percent	9.7		10.2	11.5	2018		6
0.88	Asthma: Medicare Population	percent	3.9		5.4	5	2018		6
0.63	Tuberculosis Incidence Rate	cases/ 100,000 population	0	1.4	3.5	2.8	2018		11
0.60	COVID-19 Daily Average Case-Fatality Rate	deaths per 100 cases	0		7.3	2.8	9-Jul-21		9
SCORE	SEXUALLY TRANSMITTED INFECTIONS	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.10	Chlamydia Incidence Rate	cases/ 100,000 population	381.1		586.3	539.9	2018		11
1.05	HIV Diagnosis Rate	cases/ 100,000 population	4.4		20.4		2017		11
1.00	Gonorrhea Incidence Rate	cases/ 100,000 population	118		170.3	179.1	2018		11
0.85	Syphilis Incidence Rate	cases/ 100,000 population	3.9		12.2	10.8	2018		11
SCORE	TOBACCO USE	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.53	Adults who Smoke	percent	15.5	5	13.1	16	2019		10
	Teens who Smoke Cigarettes: High School Students	percent	7.7		5		2018		17
1.43	Students	percent	18.4		23		2016		11
0.98	Adolescents who Use Tobacco	percent							
SCORE	WEIGHT STATUS	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.78	Adolescents who are Obese	percent	13.6		12.6		2016		11
1.30	Adults with a Healthy Weight	percent	36.2		35.1	35.2	2014		11
1.15	Adults Who Are Obese	percent	31.3		32.1	32.1	2019		10
0.70	Adults who are Overweight or Obese	percent	54.2		66.1	66.7	2019		10
SCORE	WELLNESS & LIFESTYLE	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
1.95	Self-Reported Good Physical Health	percent	66.7		76.4		2019		10
1.65	Frequent Physical Distress	percent	11.3		10.1	11	2018		7
1.35	Poor Physical Health: 14+ Days	percent	8.6		9		2016		10
1.13	Average Life Expectancy	years	79.6		79.2		2017-2019		11
0.93	Insufficient Sleep	percent	33.7	31.4	37.7	35	2018		7
0.90	Life Expectancy	years	79.7		79.2	79.2	2017-2019		7
	Self-Reported General Health Assessment: Good or Better	percent	90.4		85.8	82	2019		10
SCORE	WOMEN'S HEALTH	UNITS	WORCESTER COUNTY	HP2030	MD	U.S.	MEASUREMENT PERIOD	HIGH DISPARITY*	Source
2.40	Cervical Cancer Incidence Rate	cases/ 100,000 females	12.1		6.6	7.6	2013-2017		18
2.08	Breast Cancer Incidence Rate	cases/ 100,000 females	135.8		132.9	125.9	2013-2017		18
1.65	Mammogram in Past 2 Years: 50+	percent	77.1		82		2018		10
1.60	Mammogram in Past 2 Years: 50-74	percent	73.7	77.1		74.8	2018		4
1.48	Pap Test in Past 3 Years	percent	71.6		70.3		2018		10
	Age-Adjusted Death Rate due to Breast Cancer	deaths/ 100,000 females	19.9	15.3	21.7	20.1	2013-2017		18
1.15	Cancer	Percent	85.7			84.7	2018		4
1.13	Cervical Cancer Screening: 21-65								

## APPENDIX B

# PRIMARY DATA ASSESSMENT TOOLS (COMMUNITY INPUT)

## KEY INFORMANT INTERVIEW QUESTIONS

1. To begin, could you please tell us a little about the organization you work for and the geographic location it serves?
2. COVID-19 has significantly impacted everyone's lives. Through that lens, what have you seen as the biggest challenges in *[Somerset, Wicomico, Worcester, Sussex] County* during the pandemic?
3. Now, we would appreciate your perspective on the current health needs or issues faced by people living in *[Somerset, Wicomico, Worcester, Sussex] County*. In your opinion, what are the top health issues affecting residents of your community?
4. What do you think are the leading factors that contribute to these health issues?
5. Which groups (or populations) in your community seem to struggle the most with the health issues that you've identified?
  - a. *Are there specific challenges that impact low-income, under-served/uninsured, racial or ethnic groups, age or gender groups in the community?*
  - b. *How does it impact their lives?*
6. What geographic parts of the county/community have greater health or social need?
  - a. *Which neighborhoods in your community need additional support services or outreach?*
7. What do you think needs to be done to better address these health needs you've identified?
8. What barriers or challenges might prevent someone in the community from accessing health care or social services?
9. Could you tell us about some of the strengths and resources in your community that address these issues, such as groups, partnerships/initiatives, services, or programs?
  - a. *What services or programs could potentially have an impact on the needs that you've identified, if not yet in place?*
10. Is there anything additional that should be considered for assessing the needs of the community?

## COMMUNITY SURVEY TOOLS

### TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

Welcome to this collaborative effort for the TidalHealth and Somerset & Wicomico Health Departments community health survey. The information collected in this survey will allow community organizations across the counties of Somerset, Wicomico, and Worcester, MD and Sussex, DE to better understand the health needs in your community. The knowledge gained will be used to implement programs that will benefit everyone in the community. We can better understand community needs by gathering the voices of community members like you to tell us about the issues that you feel are most important.

**REMINDER:** You must be 18 years old or older to complete this survey. We estimate that it will take 10 minutes to complete. Survey results will be available and shared broadly in the community within the next year. The responses that you provide will remain anonymous and not attributed to you personally in any way. Your participation in this survey is completely voluntary. If you have any questions, please contact Kat Rodgers by email at [katherine.rodgers@tidalhealth.org](mailto:katherine.rodgers@tidalhealth.org). Thank you very much for your input and your time!

### TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

#### Demographic Information

Please answer a few questions about yourself so that we can see how different types of people feel about local health issues.

\* 1. In what zip code do you live? Please write in your five-digit zip code in the box below.

2. Are you of Hispanic or Latino origin or descent? Select one.

- ☐ Hispanic/Latino/Latinx
- ☐ Non-Hispanic/Latino/Latinx
- ☐ Prefer not to answer

3. Which of the following best describes you? Select one.

- |  |   |
|--|---|
| <input type="radio"/> American Indian or Alaskan Native  | <input type="radio"/> Native Hawaiian or other Pacific Islander |
| <input type="radio"/> Asian or Asian American  | <input type="radio"/> White or Caucasian                        |
| <input type="radio"/> Black or African American  | <input type="radio"/> Two or more races                         |
| <input type="radio"/> Haitian  | <input type="radio"/> Prefer not to answer                      |
| <input type="radio"/> Other Race (optional): If you feel comfortable doing so, please indicate what other race you most identify with: |   |

4. What is your age? Select one.

- ☐ Under 18    ☐ 18-20    ☐ 21-24    ☐ 25-34    ☐ 35-44    ☐ 45-54    ☐ 55-64    ☐ 65-74  
☐ 75-84    ☐ 85 or older    ☐ Prefer not to answer

5. To which gender identity do you most identify? Select one.

- ☐ Female    ☐ Transgender Male  
☐ Male    ☐ Gender Non-conforming  
☐ Transgender Female    ☐ Prefer not to answer  
☐ Other identification (optional): If you feel comfortable doing so, please indicate what other gender identity you most identify with:

6. What is the highest level of education you have completed? Select one.

- ☐ Did not attend school    ☐ High School Graduate, Diploma or the equivalent (GED)    ☐ Master's Degree  
☐ Less than 9th Grade    ☐ Associate Degree    ☐ Professional Degree  
☐ Some High School, No Diploma    ☐ Bachelor's Degree    ☐ Doctorate Degree

7. How much total combined money did all members of your household earn in the previous year? Select one.

- ☐ Less than \$15,000    ☐ \$75,000 to \$99,999    ☐ \$250,000 to \$499,999  
☐ \$15,000 to \$24,999    ☐ \$100,000 to \$124,999    ☐ \$500,000 or more  
☐ \$25,000 to \$34,999    ☐ \$125,000 to \$149,999    ☐ Prefer not to answer  
☐ \$35,000 to \$49,999    ☐ \$150,000 to \$199,999  
☐ \$50,000 to \$74,999    ☐ \$200,000 to \$249,999

8. What language do you mainly speak at home? Select one.

- ☐ Arabic    ☐ French    ☐ Vietnamese  
☐ Creole    ☐ Korean  
☐ English    ☐ Spanish  
☐ Some other language (please specify)

9. Do you identify with any of the following statements? Select all that apply.

- ☐ I have a disability
- ☐ I am active duty Military
- ☐ I am retired Military
- ☐ I am a Veteran
- ☐ I am an immigrant or refugee
- ☐ Prefer not to answer
- ☐ I do not identify with any of these

10. Including yourself, how many people currently live in your household?

- ☐ 1
- ☐ 2
- ☐ 3
- ☐ 4
- ☐ More than 4

### TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

#### Community Health

**In this survey, “community” refers to the major areas where you live, shop, play, work, and get services.**

\* 11. How would you rate your community as a healthy place to live? Select one.

- ☐ Very Unhealthy
- ☐ Unhealthy
- ☐ Somewhat Healthy
- ☐ Healthy
- ☐ Very Healthy

\* 12. In the following list, what do you think are the three most important “health problems” in your community? (Those problems that have the greatest impact on overall community health.) Select up to 3.

- |   |   |
|---|---|
| <input type="checkbox"/> Access to Affordable Health Care Services (doctors available nearby, wait times, services available nearby, takes insurance) | <input type="checkbox"/> Mental Health and Mental Disorders (anxiety, depression, suicide)        |
| <input type="checkbox"/> Adolescent Health  | <input type="checkbox"/> Nutrition and Healthy Eating   |
| <input type="checkbox"/> Alcohol and Drug Use   | <input type="checkbox"/> Older Adults (hearing/vision loss, arthritis, etc.)                      |
| <input type="checkbox"/> Auto Immune Diseases (multiple sclerosis, Crohn's disease, etc.)   | <input type="checkbox"/> Oral Health and Access to Dentistry Services (dentists available nearby) |
| <input type="checkbox"/> Cancer   | <input type="checkbox"/> Physical Activity  |
| <input type="checkbox"/> Children's Health  | <input type="checkbox"/> Quality of Health Care Services Available                                |
| <input type="checkbox"/> Chronic Pain   | <input type="checkbox"/> Respiratory/Lung Diseases (asthma, COPD, etc.)                           |
| <input type="checkbox"/> Diabetes   | <input type="checkbox"/> Sexually transmitted diseases/infections (STDs/STIs)                     |
| <input type="checkbox"/> Family planning services (birth control)   | <input type="checkbox"/> Tobacco Use (including e-cigarettes, chewing tobacco, etc.)              |
| <input type="checkbox"/> Heart Disease and Stroke   | <input type="checkbox"/> Weight Status (Individuals who are Overweight or Obese)                  |
| <input type="checkbox"/> Injury and Violence  | <input type="checkbox"/> Women's Health (ex: mammogram, pap exam)                                 |
| <input type="checkbox"/> Maternal and Infant Health   |   |
| <input type="checkbox"/> Other (please specify)   |   |

\* 13. In your opinion, which of the following would you most like to see addressed in your community? Select up to 3.

- |  |  |
|--|--|
| <input type="checkbox"/> Access to higher education (2-year or 4-year degrees)                   | <input type="checkbox"/> Inequity in jobs, health, housing, etc. for underserved populations               |
| <input type="checkbox"/> Air and water quality   | <input type="checkbox"/> Food insecurity or hunger   |
| <input type="checkbox"/> Bike lanes  | <input type="checkbox"/> Homelessness and unstable housing   |
| <input type="checkbox"/> Crime and Crime Prevention (robberies, shootings, other violent crimes) | <input type="checkbox"/> Injury Prevention (traffic safety, drownings, bicycling and pedestrian accidents) |
| <input type="checkbox"/> Disability accessible sidewalks and other structures                    | <input type="checkbox"/> Nutrition and Healthy Eating (restaurants, stores, or markets)                    |
| <input type="checkbox"/> Discrimination or inequity based on race/ethnicity, gender, age, sex.   | <input type="checkbox"/> Parks and walking paths   |
| <input type="checkbox"/> Domestic Violence and Abuse (intimate partner, family, or child abuse)  | <input type="checkbox"/> Senior services (over 65)   |
| <input type="checkbox"/> Economy and job availability  | <input type="checkbox"/> Social isolation/feeling lonely   |
| <input type="checkbox"/> Education and schools (Pre-K to 12th grade)                             | <input type="checkbox"/> Support for families with children (childcare, parenting support)                 |
| <input type="checkbox"/> Emergency Preparedness  | <input type="checkbox"/> Transportation  |
| <input type="checkbox"/> Other (please specify)  |  |

14. Below are some statements about health care services in your community. Please rate how much you agree or disagree with each statement. Select an option for your response in each row below.

	Strongly Agree	Agree	Feel Neutral	Disagree	Strongly Disagree
I am connected to a primary care doctor or health clinic that I am happy with.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I can access the health care services that I need within a reasonable time frame and distance from my home or work.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I know where to find the health care resources or information I need when I need them.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There are good quality health care services in my community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There are affordable health care services in my community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Individuals in my community can access healthcare services regardless of race, gender, sexual orientation, immigration status, etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

\* 15. How would you rate your own personal health in the past 12 months? Select one.

- ☐ Very Unhealthy
 ☐ Healthy
- ☐ Unhealthy
 ☐ Very Healthy
- ☐ Somewhat Healthy

16. Do you currently have a health insurance plan/health coverage? Select one.

- ☐ Yes
- ☐ No
- ☐ I don't know

## TidalHealth and Somerset &amp; Wicomico Health Depts. Community Health Survey 2021

## Community Health

\* 17. Which type(s) of health plan(s) do you use to pay for your health care services? Select all that apply.

- ☐ Medicaid
- ☐ Medicare
- ☐ Insurance through an employer (HMO/PPO) - either my own or partner/spouse/parent
- ☐ Insurance through the Health Insurance Marketplace/Obama Care/Affordable Care Act (ACA)
- ☐ Private Insurance I pay for myself (HMO/PPO)
- ☐ Indian Health Services
- ☐ Veteran's Administration
- ☐ COBRA
- ☐ I pay out of pocket/cash
- ☐ Other (please specify)

18. In the past 12 months, was there a time that you needed health care services but did not get the care that you needed? Select one.

- ☐ Yes
- ☐ No, I got the services I needed
- ☐ Does not apply, I did not need health care services in the past year

## TidalHealth and Somerset &amp; Wicomico Health Depts. Community Health Survey 2021

## Community Health

\* 19. Select the top reason(s) that you did not receive the health care services that you needed in the past 12 months. Select all that apply.

- |   |   |
|---|---|
| <input type="checkbox"/> Cost - too expensive/can't pay             | <input type="checkbox"/> Wait is too long   |
| <input type="checkbox"/> No insurance                               | <input type="checkbox"/> No doctor is nearby  |
| <input type="checkbox"/> Lack of transportation                     | <input type="checkbox"/> Office/service/program has limited access or is closed due to COVID-19 |
| <input type="checkbox"/> Language barrier                           | <input type="checkbox"/> Insurance not accepted   |
| <input type="checkbox"/> Hours of operation did not fit my schedule | <input type="checkbox"/> Cultural/religious reasons   |
| <input type="checkbox"/> Other (please specify)                     |   |



20. In the past 12 months, was there a time that you needed dental or oral health services but did not get the care that you needed? Select one.

- ☐ Yes
- ☐ No, I got the services I needed
- ☐ Does not apply, I did not need dental/oral health services in the past year

### TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

#### Community Health

\* 21. Select the top reason(s) that you did not receive the dental or oral health services that you needed in the past 12 months. Select all that apply.

- |   |   |
|---|---|
| <input type="checkbox"/> Cost - too expensive/can't pay             | <input type="checkbox"/> Wait is too long   |
| <input type="checkbox"/> No insurance                               | <input type="checkbox"/> No doctor is nearby  |
| <input type="checkbox"/> Lack of transportation                     | <input type="checkbox"/> Office/service/program has limited access or is closed due to COVID-19 |
| <input type="checkbox"/> Language barrier                           | <input type="checkbox"/> Insurance not accepted   |
| <input type="checkbox"/> Hours of operation did not fit my schedule | <input type="checkbox"/> Cultural/religious reasons   |
| <input type="checkbox"/> Other (please specify)                     |   |

22. In the past 12 months, was there a time that you needed or considered seeking mental health services or alcohol/substance abuse treatment but did not get services? Select one.

- ☐ Yes
- ☐ No, I got the services I needed
- ☐ Does not apply, I did not need services in the past year

### TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

#### Community Health

\* 23. Select the top reason(s) that you did not receive mental health services or alcohol/substance use treatment. Select all that apply.

- |   |   |
|---|---|
| <input type="checkbox"/> Cost - too expensive/can't pay             | <input type="checkbox"/> No doctor is nearby  |
| <input type="checkbox"/> No insurance                               | <input type="checkbox"/> Office/service/program has limited access or is closed due to COVID-19 |
| <input type="checkbox"/> Lack of transportation                     | <input type="checkbox"/> I did not know how treatment would work                                |
| <input type="checkbox"/> Hours of operation did not fit my schedule | <input type="checkbox"/> I worried that others would judge me                                   |
| <input type="checkbox"/> Language barrier                           | <input type="checkbox"/> Cultural/religious reasons   |
| <input type="checkbox"/> Wait is too long                           |   |
| <input type="checkbox"/> Other (please specify)                     |   |

24. In the past 12 months, did you go to a hospital Emergency Department (ED)? Select one.

- ☐ Yes
- ☐ No, I have not gone to a hospital ED in the past 12 months

## TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

### Community Health

25. Please select the number of times you have gone to the ED in the past 12 months. Select one.

- |                         |                                 |
|-------------------------|---------------------------------|
| <input type="radio"/> 1 | <input type="radio"/> 4         |
| <input type="radio"/> 2 | <input type="radio"/> 5         |
| <input type="radio"/> 3 | <input type="radio"/> 6 or more |

\* 26. What were the main reasons that you went to the Emergency Department (ED) instead of a doctor's office or clinic? Select all that apply.

- |  |  |
|--|--|
| <input type="checkbox"/> After clinic hours/weekend            | <input type="checkbox"/> Emergency/Life-threatening situation                |
| <input type="checkbox"/> I do not have a regular doctor/clinic | <input type="checkbox"/> Long wait for an appointment with my regular doctor |
| <input type="checkbox"/> I do not have health insurance        | <input type="checkbox"/> Needed food, shelter, or other resources            |
| <input type="checkbox"/> Concerns about cost or co-pays        |  |
| <input type="checkbox"/> Other (please specify)                |  |

## TidalHealth and Somerset &amp; Wicomico Health Depts. Community Health Survey 2021

## Employment and Education

\* 27. Below are some statements about employment and education in your community. Please rate how much you agree or disagree with each statement. Select an option for your response in each row below.

	Strongly Agree	Agree	Feel Neutral	Disagree	Strongly Disagree
There are plenty of jobs available for those who are over 18 years old.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There are plenty of jobs available for those who are 14 to 18 years old.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There are job trainings or employment resources for those who need them.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There are resources for individuals in my community to start a business (financing, training, real estate, etc.).	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Childcare (daycare/pre-school) resources are affordable and available for those who need them.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The K-12 schools in my community are well funded and provide good quality education.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Our local University/Community College provides quality education at an affordable cost.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

28. Which is your current employment status? Select one.

- |   |   |
|---|---|
| <input type="radio"/> Employed, working full-time   | <input type="radio"/> Out of work, but NOT currently looking for work |
| <input type="radio"/> Employed, working part-time   | <input type="radio"/> Unable to work                                  |
| <input type="radio"/> Home-maker                    | <input type="radio"/> A student                                       |
| <input type="radio"/> Out of work, looking for work | <input type="radio"/> Retired   |

## TidalHealth and Somerset &amp; Wicomico Health Depts. Community Health Survey 2021

## Employment and Education

29. What is the main reason(s) you are not working? Select any that apply.

☐ Sick or disabled, not able to work

☐ Cannot find work

☐ Care giver for a family member

☐ Need more training

☐ Furloughed or temporarily unemployed

☐ Other (please specify)

## TidalHealth and Somerset &amp; Wicomico Health Depts. Community Health Survey 2021

## Housing and Transportation

30. Below are some statements about housing, transportation, and safety in your community. Please rate how much you agree or disagree with each statement. Select an option for your response in each row below.

	Strongly Agree	Agree	Feel Neutral	Disagree	Strongly Disagree
There are affordable places to live in my community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Streets in my community are typically clean and buildings are well maintained.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I feel safe in my own neighborhood.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Crime is not a major issue in my neighborhood.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There is a feeling of trust in Law Enforcement in my community.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Transportation is easy to get to if I need it.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

31. What transportation do you use most often to go places? Select one.

- |  |  |
|--|--|
| <input type="radio"/> Drive my own car             | <input type="radio"/> Use medical transportation/specialty van transport |
| <input type="radio"/> Walk                         | <input type="radio"/> Take a taxi or ride share service (Uber/Lyft)      |
| <input type="radio"/> Ride a motorcycle or scooter | <input type="radio"/> Take a bus   |
| <input type="radio"/> Ride a bicycle               | <input type="radio"/> Hitchhike  |
| <input type="radio"/> Someone drives me            |  |
| <input type="radio"/> Other (please specify)       |  |

\* 32. Which of the following categories best reflects your current living situation? Select one.

- |  |   |
|--|---|
| <input type="radio"/> Live alone in a home (house, apartment, condo, trailer, etc.)                                  | <input type="radio"/> Live in an assisted living facility or adult foster care (such as nursing home) |
| <input type="radio"/> Live in a home with another person such as a partner, sibling(s), or roommate(s)               | <input type="radio"/> Temporarily staying with a relative or friend                                   |
| <input type="radio"/> Live in single-family home that includes a spouse or partner AND a child/children under age 25 | <input type="radio"/> Staying in a shelter or are homeless (living on the street)                     |
| <input type="radio"/> Live in a multi-generational home (home includes grandparents or adult children age 25+)       | <input type="radio"/> Living in a tent, recreational vehicle (RV), or couch-surfing                   |
| <input type="radio"/> Multi-family home (more than one family lives in the home)                                     |   |
| <input type="radio"/> Other (please specify)   |   |

33. Does your current housing situation meet your needs? Select one.

- ☐ Yes
- ☐ No

TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

Housing and Transportation

34. What issues do you have with your current housing situation? Select all that apply.

- |   |   |
|---|---|
| <input type="checkbox"/> Too small /crowded, problems with other people         | <input type="checkbox"/> Too far from town/services                           |
| <input type="checkbox"/> Unsafe, high crime                                     | <input type="checkbox"/> Current housing is temporary, need permanent housing |
| <input type="checkbox"/> Too run down or unhealthy environment (ex. mold, lead) | <input type="checkbox"/> Need supportive and/or assisted living               |
| <input type="checkbox"/> Rent/facility is too expensive                         | <input type="checkbox"/> None of the above                                    |
| <input type="checkbox"/> Mortgage is too expensive                              |   |
| <input type="checkbox"/> Other (please specify)                                 |   |

35. In the past 2 years, was there a time when you (and your family) were living on the street, in a car, or in a temporary shelter? Select one.

- ☐ Yes, 1 or 2 times in the past 2 years
- ☐ Yes, 3 or more times in the past 2 years
- ☐ No

36. In the past 12 months, has the utility company shut off your service for not paying your bills? Select one.

- ☐ Yes
- ☐ No
- ☐ Does not apply - I do not pay utility bills

37. Are you worried or concerned that in the next 2 months you (and your family) may not have stable housing that you own, rent, or stay in as part of a household? Select one.

- ☐ Yes
- ☐ No

TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

Access to Healthy Food and Community Resources

38. Below are some statements about access to food and resources in your community. Please rate how much you agree or disagree with each statement. Select an option for your response in each row below.

	Strongly Agree	Agree	Feel Neutral	Disagree	Strongly Disagree
We have good parks and recreational facilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
There are good sidewalks or trails for walking safely	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It is easy for people to get around regardless of abilities	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
The air and water quality are good in my community	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Affordable healthy food options are easy to purchase at nearby grocery stores or farmer's markets	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local restaurants serve healthy food options	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
In my neighborhood it is easy to grow/harvest and eat fresh food from a home garden	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

39. In the past 12 months, did you worry about whether your food would run out before you got money to buy more? Select one.

- ☐ Often
- ☐ Sometimes
- ☐ Never

40. In the past 12 months, was there a time when the food that you bought just did not last, and you did not have money to get more? Select one.

- ☐ Often
- ☐ Sometimes
- ☐ Never

41. In the past 12 months, did you or someone living in your home receive emergency food from a church, a food pantry, or a food bank, or eat in a soup kitchen? Select one.

- ☐ Often
- ☐ Sometimes
- ☐ Never

### TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

#### COVID-19

During this time, we understand that COVID-19 has impacted everyone's lives, directly and indirectly. We would like to know how these events have impacted you and your household to better understand how our community has been affected overall.

**REMINDER:** This is an anonymous survey. If you or anyone in your household has questions or concerns related to COVID-19, information is available at [www.wicomicohealth.org](http://www.wicomicohealth.org).

\* 42. We know the COVID-19 pandemic is challenging in many ways. Please select from the following list the issues that are the biggest challenge for your household right now. Select all that apply.

- |   |  |
|---|--|
| <input type="checkbox"/> Access to basic medical care   | <input type="checkbox"/> Household members not getting along   |
| <input type="checkbox"/> Access to emergency medical services   | <input type="checkbox"/> Household member(s) have or have had COVID-19 or COVID-like symptoms (fever, shortness of breath, dry cough)  |
| <input type="checkbox"/> Access to prescription medications   | <input type="checkbox"/> Lack of technology to communicate with people outside of my household, access virtual school, or work remotely from home (e.g. internet access, computer, tablet, etc.) |
| <input type="checkbox"/> A shortage of food   | <input type="checkbox"/> Lack of skills to use technology to communicate, access virtual school, or work remotely from home  |
| <input type="checkbox"/> A shortage of healthy food   | <input type="checkbox"/> Not being able to exercise  |
| <input type="checkbox"/> A shortage of sanitation and cleaning supplies (e.g., toilet paper, disinfectants, etc.) | <input type="checkbox"/> Not knowing when the pandemic will end/not feeling in control   |
| <input type="checkbox"/> Challenges for my children attending school (in person or virtually)                     | <input type="checkbox"/> Options for childcare services/lack of childcare support  |
| <input type="checkbox"/> Experience housing challenges or homelessness  | <input type="checkbox"/> Unable to find work   |
| <input type="checkbox"/> Feeling alone/isolated, not being able to socialize with other people                    | <input type="checkbox"/> None of the following apply   |
| <input type="checkbox"/> Feeling nervous, anxious, or on edge   |  |
| <input type="checkbox"/> Other (please specify)   |  |



43. What is your COVID-19 Vaccine status?

- ☐ I am vaccinated
- ☐ I plan to get vaccinated
- ☐ I do not plan to get vaccinated

## TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

### COVID-19

44. If you are planning to get vaccinated, have any of the following contributed to the delay? Select all that apply.

- |  |  |
|--|--|
| <input type="checkbox"/> I have just not scheduled my appointment                  | <input type="checkbox"/> Lack of transportation    |
| <input type="checkbox"/> Uncertain about the safety or side-effects of the vaccine | <input type="checkbox"/> Language barrier          |
| <input type="checkbox"/> Challenges getting a vaccine appointment                  | <input type="checkbox"/> No vaccine site is nearby |
| <input type="checkbox"/> Not able to take off work for an appointment              | <input type="checkbox"/> Wait is too long          |
| <input type="checkbox"/> Other (please specify)                                    |  |

45. If you do not plan to get vaccinated, help us understand why:

- ☐ I do not believe the vaccine is safe for me
- ☐ I have a pre-existing condition that makes me ineligible
- ☐ Cultural or religious reasons
- ☐ Other (please specify)

## TidalHealth and Somerset & Wicomico Health Depts. Community Health Survey 2021

### Thank You

**Thank you for taking the time to participate in this community survey. Your feedback and insight are vital as we work to improve and address issues impacting our community's health.**

**APPENDIX C**

# **COMMUNITY RESOURCES AND POTENTIAL COMMUNITY PARTNERS**

Christian Shelter – Salisbury, MD

Diakonia - Ocean City, MD

La Red Health Center – Sussex, DE

Lower Shore Vulnerable Populations Task Force – Salisbury, MD

Salisbury Urban Ministries – Salisbury, MD

Chesapeake Healthcare

Deer's Head Hospital Center

HOPE, Inc.

MAC, Inc.

Rebirth, Inc.

Recovery Resource Center

Salisbury University

Somerset County Schools

Sussex County Coalition

University of Maryland Eastern Shore (UMES)

Wicomico County Council

APPENDIX D

# 2019-2020 IMPLEMENTATION STRATEGY PLAN/CHIP

## 2019 – 2022 Implementation Strategy Plan for TidalHealth Peninsula Regional

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## Community Health Improvement Plan for Somerset County Health Department and Wicomico County Health Department

Fiscal Year 2022 Plan Update



**2019 – 2022 Implementation Strategy Plan**  
for TidalHealth Peninsula Regional  
and  
**Community Health Improvement Plan**  
for Somerset County Health Department and  
Wicomico County Health Department

### **Fiscal Year 2022 Plan Update**

The 2019 – 2022 plan has been updated for Fiscal Year 2022 (July 1, 2021 – June 30, 2022).

- Several program activities and evaluation measures have been updated.
- A summary of FY20 and FY21 progress is provided in Appendices A and B.
- The document reflects the name change of Peninsula Regional Medical Center (PRMC) to TidalHealth Peninsula Regional. In January 2020, PRMC was re-branded to reflect the merge with McCready Health in Crisfield and Nanticoke Memorial in Seaford.
- The internal team staff members identified for TidalHealth Peninsula Regional, Somerset County Health Department, and Wicomico County Health Department has been updated to reflect staff changes.

### **Introduction**

TidalHealth Peninsula Regional, in partnership with Somerset County Health Department (SCHD), and Wicomico County Health Department (WiCHD) is pleased to share their Implementation Strategy Plan, which follows the development of the 2019 Community Health Needs Assessment (CHNA). In accordance with requirements in the Affordable Care Act and IRS 990 Schedule H requirements, this plan was approved by the TidalHealth Peninsula Regional Board of Directors on November 7, 2019. This document also serves as the Community Health Improvement Plan for the health departments and was approved by the Somerset Local Health Improvement Coalition (LHIC) on November 12, 2019, and approved by the Wicomico LHIC on December 6, 2019.

After a thorough review of the health status in our community through the Community Health Needs Assessment (CHNA), we identified areas that we could address using our resources, expertise, and community partners.

The following are the prioritized health needs that will be addressed:

- Behavioral Health (Mental Health and Mental Disorders as well as Substance Abuse)
- Diabetes
- Cancer (Focus Areas: Breast, Colorectal, Cervical, Lung, Skin)

Each priority area selected, will also address access to care when possible and appropriate.

This Implementation Strategy summarizes the plans for TidalHealth Peninsula Regional, SCHD, and WiCHD to develop and/or collaborate on community benefit programs that address the prioritized health needs identified in the 2019 CHNA.

TidalHealth Peninsula Regional provides additional support for community benefit activities in the community that lay outside the scope of the programs and activities outlined in this Implementation Strategy. However, those additional activities will not be explored in detail in this document.

Additionally, this document includes the significant health needs that the partnership will not be addressing and why.

### **TidalHealth Peninsula Regional, SCHD, and WiCHD**

TidalHealth Peninsula Regional is the 8th largest hospital in Maryland with 288 acute care beds, and the region's largest, most advanced tertiary care facility, which has been meeting the healthcare needs of

Delmarva Peninsula residents since 1897. Its 3,300 physicians, staff, and volunteers provide safe, compassionate, and affordable care designed to exceed the expectations of the nearly 500,000 patients who rely on the Medical Center team each year for inpatient, outpatient, diagnostic, sub-acute and emergency/trauma services. It is the region's oldest healthcare institution with the most experienced team of healthcare professionals. It also infuses over \$500 million annually into its regional economy, and is the recipient of over 125 national awards, recognitions, and certifications in the past half-decade for the care it offers patients and the outcomes they experience.

Somerset County Health Department's (SCHD) mission is "Dedicated to serving the Public by preventing illness, promoting wellness and protecting the health of our community." The Health Department continues to evolve with the changes in the healthcare system and is currently in the planning stage of the Public Health Accreditation process.

Wicomico County Health Department's (WiCHD) mission is "To maximize the health and wellness of all members of the community through collaborative efforts." The public health department, accredited by the Public Health Accreditation Board on March 8, 2016, has expanded over the years to meet changing needs of the community and continually works toward protecting the health and environment of the people of Wicomico County.

TidalHealth Peninsula Regional, SCHD, and WiCHD service areas are jointly defined by Somerset, Wicomico, and Worcester counties in the state of Maryland. These three counties are referred to as the Tri-County Service Area. Additionally, the service area includes the 43 zip codes and associated census places and census tracts within those three counties.

## Community Health Needs Assessment

In December 2018, TidalHealth Peninsula Regional, SCHD, and WiCHD published their 2019 Community Health Needs Assessment (CHNA). The CHNA Report provides an overview of significant health needs in the Tri-County Service Area. This CHNA report was developed to provide an overview of the health needs in the Tri-County Service Area, including Somerset, Wicomico, and Worcester counties in Maryland. TidalHealth Peninsula Regional, SCHD, and WiCHD partnered with Conduent Healthy Communities Institute (HCI) to conduct the CHNA. The goal of this report is to offer a meaningful understanding of the greatest health needs across the Tri-County Service Area, as well as to guide planning efforts to address those needs. Special attention has been given to identify health disparities, needs of vulnerable populations, unmet health needs or gaps in services, and input from the community.

The CHNA findings are drawn from an analysis of an extensive set of secondary data (over 100 indicators from national and state data sources) and in-depth primary data from community health leaders and organizations that serve the community at large, as well as non-health professionals and community members. The main source for the secondary data, or data that has been previously collected, is the TidalHealth Creating Healthy Communities platform, a publicly available data platform that is embedded on the main TidalHealth Peninsula Regional website. That platform can be found here: <https://www.tidalhealth.org/community-outreach-partners/community-health-research-data/creating-healthy-communities>.

## Priorities

On October 24, 2018, TidalHealth Peninsula Regional, SCHD and WiCHD came together to prioritize the significant health needs in a session facilitated by Conduent HCI consultants. Using a prioritization matrix, participants voted on the most critical needs while considering the following criteria:

- Importance of problem to the community
- Alignment with Maryland SHIP 2017 objectives
- Opportunity for partnership
- Addresses disparities of subgroups
- Existing resources/programs to address the problem

The following three topics were selected as the top priorities:

- Behavioral Health (Mental Health and Mental Disorders as well as Substance Abuse)
- Diabetes
- Cancer (Focus Areas: Breast, Colorectal, Cervical, Skin)

Each priority area selected, will also address access to care when possible and appropriate.

No one organization can address all the health needs identified in its community. TidalHealth Peninsula Regional, SCHD, and WiCHD are committed to serving the community by adhering to their mission, and using their skills, expertise, and resources to provide a range of community

benefit programs. This Implementation Strategy does not include specific plans to address other significant health needs including: Older Adults & Aging, and Oral Health.

These needs were not selected because they did not meet the prioritization criteria as strongly as the selected topics. TidalHealth Peninsula Regional, SCHD, and WiCHD have other programs in these areas, but they are not the focus of this report.

### Implementation Strategy Design Process

In April 2018, TidalHealth Peninsula Regional contracted with Conduent HCI to facilitate the Implementation Strategy process. TidalHealth Peninsula Regional, SCHD, and WiCHD assembled an internal team and created an inventory of existing programs in the chosen priority areas. Conduent HCI reviewed the inventory for those with an evidence base and those most applicable for community benefit. Conduent HCI also conducted research into additional evidence-based programs for consideration by the internal team. As a result, TidalHealth Peninsula Regional, SCHD, and WiCHD are committed to a portfolio of new and existing programs to create positive change for the prioritized health needs of their community.

### TidalHealth Peninsula Regional, SCHD, and WiCHD Internal Team

Stakeholder	Organization/Title
Chris Hall	TidalHealth, Vice President, Strategy & Business Development
Kathryn Fiddler	TidalHealth, Vice President, Population Health Management
Henry Nyce	TidalHealth, Manager, Planning and Business Development
Logan Becker	TidalHealth, Planning Analyst
Allie O’Leary	TidalHealth, Population Health Data Analyst
Kat Rodgers	TidalHealth, Director, Community Health Initiatives
Lori Brewster	WiCHD Health Officer
Lisa Renegar	WiCHD, Health Planner, Office of Planning
Danielle Weber	SCHD Health Officer
Sharon Lynch	SCHD, Preventive Services & Communications Supervisor

## Priority Areas

### Behavioral Health

**Goal 1:** Address behavioral issues in the Tri-County Service Area by reducing the instances of opioid-related deaths.

**Strategies:**

- Collaboratively address the opioid crisis in the Tri-County Service Area with an emphasis on prevention, treatment, resources, and enforcement.
- Provide peer support for people who have overdosed or sought help for opioid addiction issues.

**Goal 2:** Address behavioral health issues in the Tri-County Service Area by prioritizing programs and services for seniors suffering with minor to major depression.

**Strategies:**

- Address depression in adults 50 years or older through skill building, problem solving, and socialization activities.

**Objectives and Anticipated Impact for Goal 1:**

- Work collaboratively to address policy, develop education, and raise community awareness in the fight against opioid use and continue to reduce instances of heroin overdose each year.
  - **Evaluation Measures for Somerset County Opioid United Team**
    - # of individuals exposed to opioid related messaging through an advertising “campaign.” Target - 7,000
    - # of individuals attending community events held in schools. Target - 600
    - # of individuals attending educational/training events held in the community. Target - 1500
    - # of additional officer hours dedicated to opioid related calls and initiative. Target - 480
    - % of overdose cases shared by Law Enforcement with the Health Department. Target - 100%
    - # of individuals referred to Peer Recovery Support Specialists (PRSS) from Law Enforcement. Target – 30
    - # of resource cards given to Law Enforcement Officers to disseminate to overdose patients, families, friends, and the community. 2000
    - # of individuals referred to PRSS from Emergency Department. Target – 20
    - # of individuals referred to PRSS from Law Enforcement. Target – 30.



- # of individuals referred to treatment by PRSS. Target -25.
- # of Individuals referred to treatment by PRSS who were admitted to treatment. Target - 15
- **Evaluation Measures for Wicomico County Opioid Intervention Team**
  - # of OIT meetings held. Target- 25
  - # of community events where Opioid Coordinator was present and providing education to the community. Target- 10
  - # of Local Overdose Fatality Review Team (LOFRT) meetings attended- Target-10
  - # of individuals who attend CE (continuing education) trainings planned by OIT Coordinator- Target- 100
  - # of individuals exposed to messaging via tv, radio, or social media – Target- 60,000
  - # of times the OIT Educational Trailer is deployed in FY21 Target-10
  - # of Medication Disposal Bags provided to community members. Target- 150
  - #of individuals provided education via OIT trailer- Target- 500
  - # of first responders who attended dinner and received education- Target-75
- Utilizing the Community Outreach Addictions Team (C.O.A.T.), contact and provide linkage to treatment and other support services to community members dealing with substance abuse issues.
  - **Evaluation Measures**
    - # of contact attempts
    - # of opioid users contacted
    - # linked to treatment
    - % of those who receive treatment and remain in recovery for 6 months and beyond
- # supported through navigation services (increase access to insurance, primary care physicians, and social service benefits)Reduce avoidable or preventable Emergency Department (ED) Utilization
  - **Evaluation Measures for SWIFT**
    - # of patients served
    - Pre/Post analysis of hospital utilization for recipients of SWIFT

### Objectives and Anticipated Impact for Goal 2:

- Reduce the instances of depression in older adults through outreach and access to an evidence-based intervention program. Increase percent of program participants with a significant reduction of depression above the 2018 baseline of 50%
  - **Evaluation Measures**
    - # of community members enrolled
    - % of enrollees with reduction in level of depression maintained over 12 months

- % of enrollees achieving remission of depression symptoms for at least 6 months
- 
- Increase Access to Care for Smith Island.
  - **Evaluation Measures for Smith Island:**
    - # patients served
    - # Medication refills
    - # of telehealth visits
    - # Office visits
    - # labs
    - # community BP
    - Pre/Post analysis of ED utilization for residents of Smith Island.

#### **Recommended Policy Change:**

- Align and integrate prevention and treatment efforts among public and private agencies.
- Design communications that help people understand detection, management, and decreased stigma of mental illness and their associated risk factors.

#### **TidalHealth Peninsula Regional Resource Contributions:**

- TidalHealth Peninsula Regional staff
- Data Collection
- Vehicles/Transportation
- Phone Service
- Staff training and materials as needed

#### **Alignment Opportunities:**

- TidalHealth Peninsula Regional as part of a regional partnership with Atlantic General Hospital in Worcester County, Worcester County Health Department, and SCHD and WiCHD are collaborating with the Maryland Health Service Cost Review Commission to develop a regional approach to behavioral health. The planning for the crisis stabilization center began in fiscal 2021. A 23-hour center will be located in Salisbury and an additional site will be located in Berlin with limited hours.
- The health departments and hospitals are also collaborating on a “Hub and Spoke” grant focusing on primary care offices that assist patients in initiating medication assisted treatment. This grant award continues through September 2024. WiCHD Strategic Plan 2017-2022, Priority #1: Improve community health and wellness by focusing on priority areas identified in collaboration with the Local Health Improvement Coalition: chronic disease and behavioral health. Increasing access to care will be addressed in the priority areas.

### **Programs to Address Behavioral Health**

#### **1. Community Outreach Addictions Team (C.O.A.T.)**

*TidalHealth Peninsula Regional and WiCHD will build off the successful efforts that were included for this program in their 2016 Implementation Strategy Plan*

**Activities:**

- Train peer support specialists
- Provide phone and in-person support for people who have overdosed or who struggle with opioid addiction, as well as other substance abuse issues
- Provide connections to resources including treatment options
- Provide peer outreach to high risk areas of the community
- Maintain ongoing communications about metrics between TidalHealth Peninsula Regional and C.O.A.T. team
- Evaluate expansion to Somerset County
- Collaborate with TidalHealth Peninsula Regional to meet with any patient, 24/7, who has overdosed; C.O.A.T. will address barriers to treatment, such as insurance, transportation, etc.

**Program Owner:**

- Wicomico County Health Department

**Program Collaborators:**

- TidalHealth Peninsula Regional
- Somerset County Health Department
- Hudson Health Services, Inc.
- Lower Shore Clinic, Inc.
- Wicomico County Sheriff's Department
- Tri-County community Primary Care Physicians
- Law Enforcement
- EMS
- Office of the State's Attorney General
- Numerous other community providers assist with resources and access to program services

**2. Wicomico County Opioid Intervention Team and Somerset County Opioid United Team**

**Activities:**

- Bring awareness, education, and resources to the community to work toward reducing the stigma associated with addiction and substance use disorders.
- Provide OIT partners and stakeholders with continuing education opportunities, which include Harm Reduction focused trainings, with the ability to obtain continuing education credits.
- Target awareness activities and campaigns for the community, which will include a community event.

- Participation in drug awareness coalitions and other community meetings that seek to address the opioid epidemic.
- Provide education to the general community via the OIT educational trailer. This is a mock teenage bedroom set up to show possible red flags for unhealthy behavior and/or substance use.
- Coordinate and host first responder dinner to help address compassion fatigue among the first responder population.
- Work with community partners to coordinate the Go Purple Substance Misuse Awareness Campaign

**Program Owners:**

- Wicomico County Health Department
- Somerset County Health Department

**Program Collaborators:**

- TidalHealth Peninsula Regional
- Wicomico County Health Department
- Somerset County Health Department
- Wicomico County Executive's Office
- Wicomico County Department of Emergency Services
- Wicomico County State's Attorney
- Wicomico County Sheriff's Office
- Maryland State Police Barrack E
- Fruitland Police Department
- Salisbury Police Department
- Natural Resource Police
- Pittsville Police Department
- Delmar Police Department
- Hudson Health Services, Inc.
- Maryland Coalition of Families
- Clarion Call Restoration Ministries
- MAC, Inc.
- Peninsula Addictions and Mental Health
- J. David Collins and Associates
- Second Wind, Inc.
- Focus Point Behavioral Health
- United Way of the Lower Eastern Shore
- SonRise Church 8
- Recovery Resource Center
- City of Salisbury Fire Department
- High Intensity Drug Trafficking Area (HIDTA) Program
- Eastern Shore Psychological Center
- Wor-Wic Community College
- Salisbury University

- Wicomico County Public Schools/Board of Education
- BNJ Health Services
- St. James AME Methodist Church
- Department of Social Services
- Department of Parole and Probation
- Sante Group/Mobile Crisis
- Life Crisis Center
- Community Behavioral Health
- Deer's Head Hospital Center
- Comcast Spotlight
- Lower Shore Clinic, Inc.
- DKH Recovery House
- Somerset County Emergency Services
- Crisfield Police Department
- Somerset County Sheriff's Office
- McCready Health
- Somerset County Department of Social Services
- Princess Anne Police Department
- Department Parole & Probation
- Crisfield Drug Free Community
- University of Maryland Eastern Shore
- Somerset Circuit Court
- Somerset Recovery Court
- Somerset County Public Schools

### **3. Program to Encourage Active and Rewarding Lives (PEARLS)**

#### **Activities:**

- Raise awareness of this free program through targeted outreach to clinicians caring for older adults, as well as senior centers and other local organizations serving older community members
- Provide engaging and impactful curriculum in an easy-to-learn approach through flexible one-on-one visits at locations convenient for the community member being served

#### **Program Owner:**

- TidalHealth Peninsula Regional

#### **Program Collaborators:**

- MAC, Inc.

### **4. SWIFT**

#### **Activities:**

- SWIFT—a mobile integrated health team makes home-based visits to individuals utilizing 911 at least five times over a six-month period for non-life-threatening medical reasons. The team provides physical, mental, and safety assessments, and screens for social determinants of health. Based on their assessment, patients are referred for appropriate care interventions such as primary care providers, medical specialists, in-home providers, financial and social resources, as well as other community resources as necessary.
- Update for FY2022 – The SWIFT program is expanding to a wider radius in Wicomico County outside of Salisbury. Additionally, an expanded model for SWIFT launched August 2021 in which a TidalHealth nurse practitioner and fire department paramedic respond in real time to low acuity 911 calls.
- TidalHealth is partnering with Salisbury University to distribute Narcan and provide Narcan training through the Community Wellness and SWIFT programs.

**Program Owner:**

- TidalHealth Peninsula Regional Program

**Collaborators:**

- City of Salisbury
- Wicomico County Health Department

**5. Smith Island Primary Care and Telemedicine Access****Activities:**

- TidalHealth provides primary care in person and via telemedicine to residents of Smith Island. A nurse practitioner and/or physician, pharmacist and other health care providers and educators travel to the island by boat throughout the year. A medical assistant is a resident of the island and provides health outreach and education as well as coordinates in person and telemedicine visits with the providers.

**Diabetes**

**Goal:** Improve health of people with diabetes or pre-diabetes in the Tri-County Service Area.

**Strategies:**

- Offer Evidence-Based Chronic Disease Self-Management Classes (CDSM) throughout the Tri-County Service Area.
- Expand access to diabetes screening, education, and resources throughout the TriCounty Service Area through the TidalHealth mobile Community Wellness program.
- Provide a free evidenced-based weight loss, nutrition, and physical activity program for women and children in Wicomico and Somerset counties.

**Objectives and Anticipated Impact:**

- By December 2020, increase the number of 6-week educational classes with identified diabetes patients and their supporting caregivers from 26 to 52 per year.
  - **Evaluation Measures:**
    - # of 6-week classes
    - # of people reached
    - Class completion rate
    - % knowledge change
- By partnering with other community stakeholders, the Community Wellness Program will increase access to diabetes screening, education, and connection to community resources. This program, which includes the Wagner Wellness Van outreach, provides health outreach events that are both large-scale and small-scale, and can be aimed toward the general public or a targeted population or geographic area.
  - **Evaluation Measures:**
    - # of screenings provided
    - Number of A1C's checked
    - # of community members referred for diabetes education
    - # of community members referred to their PCP
- Starting in September 2019 and ending in December 2021 SCALE's expected outcomes include: 80% of adult participants will report weight loss of at least 5% of their total body weight from baseline; demonstrated behavior change and improved health status
  - **Evaluation Measures:**
    - % of adults with weight loss of at least 5% of their baseline body weight
    - % knowledge change
    - % reporting improved health status
    - # of adults enrolled in SCALE program
    - # of adults diagnosed as overweight or obese
    - # of adults diagnosed as overweight or obese with improved BMI or weight loss
    - # of adults with an increase in healthy lifestyle choices.

**Recommended Policy Changes:**

- Increase access to fresh fruits and vegetables through community-based initiatives.
- Increase active time in early childcare care sites and schools including physical education.

**TidalHealth Peninsula Regional System Resource Contributions:**

- Staff
- Data
- Marketing materials
- Training materials
- Mobile van

- Phone service
- Staff training and materials as needed

**Alignment Opportunities:**

- WiCHD Strategic Plan 2017-2022, Priority #1: Improve community health and wellness by focusing on priority areas identified in collaboration with the Local Health Improvement Coalition: chronic disease and behavioral health.

**Programs to Address Diabetes****1. Chronic Disease Self-Management (CDSM) Classes**

*TidalHealth Peninsula Regional will build off the successful efforts that were included for this program in its 2016 Implementation Strategy Plan*

**Activities:**

- Target and identify patients who have diabetes and their caregivers through self-referral or provider referral
- Train Community Peer Trainers and TidalHealth Peninsula Regional Community Health Workers to conduct classes
- Offer classes in English, Spanish and American Sign Language
- Explore the possibility to offer classes in Haitian-Creole, Korean and Mandarin languages, based on availability of peer trainers in these languages
- Offer 6-week classes at least weekly
- Educate participants on diabetes self-management and have them set and track personal goals weekly and share goals with their providers
- Partner with MAC, Inc. to collect data on pre and post A1C values
- Connect with the statewide Health Information Exchange to make referrals between providers office and Mac, Inc for all CDSM classes

**Program Owners:**

- MAC, Inc.

**Program Collaborators:**

- TidalHealth Peninsula Regional

**2. TidalHealth Community Wellness Program expansion**

*TidalHealth Peninsula Regional and WiCHD will build off the successful efforts that were included for this program in its 2016 Implementation Strategy Plan*

**Activities:**

- Outreach to communities utilizing a Nurse Practitioner (NP) to provide primary care services.
- Provide screenings for diabetes (other screenings provided as well).



- Identify need for and make referrals to community resources for health education programs.
- Ensure those people identified as diabetic or pre-diabetic are referred for primary care follow up.
- Track rate of successful PCP follow up for all referrals.
- Identify barriers to accessing PCP follow up and work towards future solutions.
- Connect individuals with additional social and economic needs to a community health worker to address SDOH and self-management education.

**Program Owners:**

- TidalHealth Peninsula Regional

**Program Collaborators:**

- Wicomico, Somerset and Worcester County Health Departments
- HOPE
- HALO
- Salisbury Urban Ministries
- St. James AME
- St. Peter's Lutheran
- Resource and Recovery Center
- Atlantic Club
- Marion Pharmacy
- MAC, Inc
- National Kidney Foundation
- Wicomico County Schools
- Maryland Food Bank
- Various other community and faith-based organizations

**3. Sustainable Change and Lifestyle Enhancement (SCALE)****Activities:**

- Target outreach to overweight women of child bearing age (up to age 55) and overweight children ages 7 – 17
- Offer education and activities to encourage healthier eating and physical activity
- Provide support through cooking demonstrations, grocery store tours, walks and better access to fresh, healthy food

**Program Owners:**

- Wicomico County Health Department
- Somerset County Health Department

**Program Collaborators:**

- TidalHealth Peninsula Regional
- YMCA

- University of Maryland Eastern Shore
- Wicomico County Detention Center
- HOPE
- Community Health Providers

## **Cancer**

**Goal:** Improve cancer prevention, and early detection and intervention/treatment of cancer to provide the best possible outcomes in the Tri-County Area for colorectal, breast, cervical, lung and skin cancer in the Tri-County Area.

### **Strategies:**

- Partner with WiCHD and SCHD to expand cancer screening
- Utilize cancer rate data to identify neighborhoods with high cancer incidence rates for targeted education and screening activities
- Collaborate with local school district(s) and colleges/universities to integrate skin cancer prevention education within student health curricula

### **Objectives and Anticipated Impact:**

- Working in partnership with the WiCHD and SCHD offer additional cancer prevention programs and screening options for underserved community members, and connect those that need it to treatment
- Increase knowledge of at-risk activities for cancer, importance of healthy behaviors in prevention of cancer and importance of screening activities
  - **Evaluation Measures:**
    - # of individuals reached with cancer screening
    - # of individuals reached with prevention education
    - # of screenings conducted
    - % follow up post positive screening
    - # of patients connected to treatment
    - # events participated in

### **Recommended Policy Changes:**

- Design culturally competent communications that help people understand the importance of screening for early detection
- Engage communities with health disparities to modify risky behaviors and to access resources for prevention

### **TidalHealth Peninsula Regional System Resource Contributions:**

Providers for screening

### **Programs in Support of the Strategies**

## **1. TidalHealth Community Wellness Program and Cancer Institute**

### **Activities**

- Increase knowledge in terms of cancer prevention and healthy lifestyle (American Cancer Society handout, etc.)
- Skin cancer screening
- Education
- Referral for cancer screenings

### **Program Owner:**

- TidalHealth Peninsula Regional

### **Program Collaborators:**

- Wicomico County Health Department
- Somerset County Health Department

### **Alignment Opportunities**

- WiCHD Strategic Plan 2017-2022, Priority #1: Improve community health and wellness by focusing on priority areas identified in collaboration with the Local Health Improvement Coalition: chronic disease and behavioral health

## APPENDIX A

## FY 2020 Progress in Addressing Priority Areas

## BEHAVIORAL HEALTH PRIORITY AREA

**Goal:** Address behavioral issues in the Tri-County Service Area by reducing the instances of opioid related deaths

**Goal:** Address behavioral issues in the Tri-County Service Area by targeting seniors suffering with minor to major depression

**Strategies:**

- Collaboratively address the opioid crisis in the Tri-County Service Area with an emphasis on prevention, treatment, resources, and enforcement
- Provide peer support for people who have overdosed or sought help for opioid addiction issues
- Address depression in adults 50 years or older through skill building, problem solving, and socialization activities

Program Owner	Program	Activities	Objectives • Evaluation Measures	FY 2020 Evaluation Data
WiCHD	C.O.A.T.	<ul style="list-style-type: none"> <li>• Train peer support specialists</li> <li>• Provide phone and in-person support for people who have overdosed or who struggle with opioid addiction, as well as other substance abuse issues</li> <li>• Provide connections to resources including treatment options</li> <li>• Provide peer outreach to high risk areas of the community</li> <li>• Maintain ongoing communications about metrics between PRMC and C.O.A.T. team</li> <li>• Evaluate expansion to Somerset County</li> </ul>	<p><b>Contact and provide linkage to treatment and other support services to community members dealing with substance abuse issues</b></p> <ul style="list-style-type: none"> <li>• of contact attempts</li> <li>• # of opioid users contacted</li> <li>• # linked to treatment</li> <li>• % of those who receive treatment and remain in recovery for 6 months and beyond</li> <li>• # supported through navigation services (increase access to insurance, primary care physicians, and social service benefits)</li> </ul>	<ul style="list-style-type: none"> <li>• 1,413 Contact Attempts</li> <li>• 240 served*</li> <li>• 119 linked to treatment*</li> <li>• 6 month follow-up data to be reported in FY21**</li> <li>• 260 Navigation Services *</li> </ul> <p>* Data for the categories marked, do not include data from July 1, 2019 - December 31, 2019 due to a change in data collection and data operationalization.</p> <p>**This measure assesses progress of individuals served the prior fiscal year. Data collection began January 2020. Six months of data will be reported in the FY21 report.</p>

SCHD WiCHD	Opioid Teams	<ul style="list-style-type: none"> <li>• Bring awareness, education, and resources to the community to work toward eliminating opioid abuse</li> <li>• Target awareness activities and campaigns to the community and schools</li> <li>• Participation in drug awareness coalitions</li> <li>• Narcan training for community members</li> <li>• Develop and implement an OIT educational trailer for parents, guardians, and adults</li> </ul> <p>This is a mock teenage bedroom set up to show possible red flags for unhealthy behavior and/or substance use</p> <ul style="list-style-type: none"> <li>• Coordinate and host first responder dinner to help address compassion fatigue</li> <li>• Work with community partners to coordinate the Go Purple Awareness Campaign</li> </ul>	<p><b>Work collaboratively to address policy, develop education, and raise community awareness in the fight against opioid use and continue to reduce instances of heroin overdose each year</b></p> <ul style="list-style-type: none"> <li>• Monthly data from ED visits on opioid overdoses collected and reported to the count</li> <li>• # of individuals Narcan trained</li> <li>• # of individuals exposed to educational messaging</li> <li>• # of prescription drug deactivation bags distributed in the community</li> <li>• # of educational/training events</li> <li>• # of OIT meetings held</li> <li>• # of informational campaigns</li> <li>• # of schools with Go Purple Clubs</li> <li>• # of school based educational Go Purple events</li> </ul>	<p>Data is for Somerset and Wicomico Counties</p> <ul style="list-style-type: none"> <li>• 131 ED visits</li> <li>• 140 Salisbury Fire Dept. Overdose Calls</li> <li>• 319 Narcan Trained</li> <li>• 333,930 exposed to educational messaging</li> <li>• 350 deactivation bags distributed</li> <li>• 66 educational/training events</li> <li>• 37 meetings held</li> <li>• 14 informational campaigns</li> <li>• 8 Go Purple School Clubs</li> <li>• 26 School Go Purple Events</li> </ul>
Tidal Health (contracts with MAC)	PEARLS	<ul style="list-style-type: none"> <li>• Raise awareness of this free program through targeted outreach to clinicians caring for older adults, as well as senior centers and other local organizations serving older community members</li> <li>• Provide engaging and impactful curriculum in an easy-to-learn approach through flexible one-on-one</li> </ul>	<p><b>Reduce the instances of depression in older adults through outreach and access to an evidence-based intervention program. Increase percent of program participants with a significant reduction of depression above the 2018 baseline of 50%</b></p> <ul style="list-style-type: none"> <li>• # of community members enrolled</li> <li>• % of enrollees with reduction in level of depression maintained over 12 months</li> </ul>	<ul style="list-style-type: none"> <li>• 128 participants enrolled <ul style="list-style-type: none"> <li>• 38 Active (in-person)</li> <li>• 17 Active (completed and follow-up)</li> <li>• 1 Active (screened out)</li> <li>• 34 Inactive (completed)</li> <li>• 39 Disenrolled or dropped out</li> </ul> </li> <li>• 79% enrollees achieved reduction in level of depression</li> <li>• 65% of enrollees achieved remission of depressive symptoms for at least 6 months</li> </ul>

		visits at locations convenient for the community member being served	<ul style="list-style-type: none"> <li>• % of enrollees achieving remission of depression symptoms for at least 6 months</li> </ul>	
Tidal Health	ER Utilization Reduction & Access Improvement Wagner Wellness Van; SWIFT; and Smith Island Telemedicine	<ul style="list-style-type: none"> <li>• Mobile unit conducts home-based visits to individuals utilizing 911 at least five times over a six-month period for non-life-threatening medical reasons.</li> <li>• The team provides physical, mental, and safety assessments, and screens for social determinants of health.</li> <li>• Based on their assessment, patients are referred for appropriate care interventions such as primary care providers, medical specialists, in-home providers, financial and social resources, as well as other community resources as necessary.</li> </ul>	<p><b>Reduce emergency department utilization of high end users as well as increase access for Smith Island</b></p> <ul style="list-style-type: none"> <li>• # of patients</li> <li>• # refills</li> <li>• # telehealth visits (office, lab and community)</li> <li>• # SWIFT patients served</li> </ul>	<p><u>Smith Island Telemedicine:</u></p> <ul style="list-style-type: none"> <li>• Total patients: 184</li> <li>• Medication refills: 18</li> <li>• Telehealth visits: 46</li> <li>• Office: 32</li> <li>• Lab: 14</li> <li>• Community BP: 27</li> </ul> <p><u>SWIFT:</u></p> <ul style="list-style-type: none"> <li>• 112 SWIFT Patients served</li> </ul>
<p><b>DIABETES PRIORITY AREA</b></p> <p><b>Goal:</b> Improve health of people with diabetes or pre-diabetes in the Tri-County Service Area</p> <p><b>Strategies:</b></p> <ul style="list-style-type: none"> <li>• Offer Evidence-Based Chronic Disease Self-Management Classes (CDSM) throughout the Tri-County Service Area</li> <li>• Expand access to diabetes screening, education, and resources throughout the Tri-County Service Area with the Wagner Wellness Van mobile clinic services</li> <li>• Provide a free evidenced-based weight loss, nutrition, and physical activity program for women and children in Wicomico and Somerset Counties</li> </ul>				
<b>Program Owner</b>	<b>Program</b>	<b>Activities</b>	<p><b>Objectives</b></p> <ul style="list-style-type: none"> <li>• Evaluation Measures</li> </ul>	<b>FY 2020 Evaluation Data</b>

Tidal Health (contracts with MAC)	CDSM Classes	<ul style="list-style-type: none"> <li>• Target and identify patients who have diabetes and their caregivers through self-referral or provider referral</li> <li>• Train Community Peer Trainers and PRMC Community Health Workers to conduct classes</li> <li>• Offer classes in English, Spanish and American Sign Language</li> <li>• Explore the possibility to offer classes in Haitian-Creole, Korean and Mandarin languages, based on availability of peer trainers in these languages.</li> <li>• Offer 6-week classes at least weekly</li> <li>• Educate participants on diabetes self-management and have them set and track personal goals weekly and share goals with their providers</li> <li>• Partner with MAC, Inc. to collect data on pre and post A1C values</li> <li>• Connect with the Statewide Health Information Exchange to make referrals between providers and MAC, Inc. for all CDSM classes</li> </ul>	<p><b>By December 2020, increase the number of 6-week educational classes with identified diabetes patients and their supporting caregivers from 26 to 52 per year</b></p> <ul style="list-style-type: none"> <li>• # of 6-week classes</li> <li>• # of people reached</li> <li>• Class completion rate</li> <li>• % knowledge change</li> </ul>	<ul style="list-style-type: none"> <li>• 14 workshops completed</li> <li>• 105 people reached</li> <li>• 71% completion rate</li> </ul>
Tidal Health	Wagner Wellness Van Expansion	<ul style="list-style-type: none"> <li>• Outreach to communities utilizing a Nurse Practitioner (NP) to provide primary care</li> <li>• Provide screenings for</li> </ul>	<p><b>By partnering with other community stakeholders, the Community Wellness Program will increase access to diabetes screening, education, and connection to community resources. This program,</b></p>	<ul style="list-style-type: none"> <li>• 690 screenings</li> <li>• 138 outings</li> <li>• Screening events: 37</li> <li>• 1,097 patients reached</li> <li>• 150 Diabetes Screenings</li> </ul>

		<p>diabetes (other screenings provided as well)</p> <ul style="list-style-type: none"> <li>• Identify need for and make referrals to community resources for health education programs</li> <li>• Ensure those people identified as diabetic or pre-diabetic are referred for primary care follow up</li> <li>• Track rate of successful PCP follow up for all referrals</li> <li>• Identify barriers to accessing PCP follow up and work towards future solutions</li> </ul>	<p><b>which includes the Wagner Wellness Van outreach, provides health outreach events that are both large-scale and small-scale, and can be aimed toward the general public or a targeted population or geographic area.</b></p> <ul style="list-style-type: none"> <li>• # of screenings provided</li> <li>• Number of A1C's checked</li> <li>• # of community members referred for diabetes education</li> <li>• # of community members referred to their PCP</li> </ul>	<ul style="list-style-type: none"> <li>• 9 A1cs</li> <li>• 7 referred to PCP</li> </ul> <p><i>*Please note that every patient seen in outreach is offered the pre-diabetes risk assessment. If their score is 5 or above, they are given education by the nurses. If the score is very high (8 or above), they are given education, referred to PCP, and/or finger stick glucose or A1c is performed.</i></p>
SCHD WiCHD	SCALE	<ul style="list-style-type: none"> <li>• Target outreach to overweight women of child bearing age (up to age 55) and overweight children ages 7 – 17</li> <li>• Offer education and activities to encourage healthier eating and physical activity</li> <li>• Provide support through cooking demonstrations, grocery store tours, walks and better access to fresh, healthy food</li> </ul>	<p><b>Starting in September 2019 and ending in June 2021 SCALE's expected outcomes include: 80% of adult participants will report weight loss of at least 5% of their total body weight from baseline; 20% of adults participants will report a drop-in hemoglobin A1C by 0.2 point or more; 20% of adult participants will report a decrease in blood pressure (diastolic and systolic) by 5 points or more; demonstrated behavior change and improved health status</b></p> <ul style="list-style-type: none"> <li>• % of adults with weight loss of at least 5% of their baseline body weight</li> <li>• % of adults with a drop in A1C levels by 0.2 point or more.</li> <li>• % of adults reporting decrease in blood pressure by 5 points or more</li> <li>• % knowledge change</li> <li>• % reporting improved health status</li> </ul>	<p>Data is for Somerset and Wicomico Counties</p> <ul style="list-style-type: none"> <li>• 50 adults enrolled <ul style="list-style-type: none"> <li>• 22 Somerset</li> <li>• 28 Wicomico</li> </ul> </li> <li>• 18 adults completed program <ul style="list-style-type: none"> <li>• 11 Somerset</li> <li>• 7 Wicomico</li> </ul> </li> <li>• 10 children enrolled <ul style="list-style-type: none"> <li>• 1 Somerset</li> <li>• 9 Wicomico</li> </ul> </li> <li>• 1 child completed program (Somerset)</li> <li>• 26% reported weight loss of at least 5% of body weight <ul style="list-style-type: none"> <li>• 26% Somerset</li> <li>• 0% Wicomico</li> </ul> </li> <li>• % unknown for drop in A1C levels</li> <li>• % unknown for decrease in blood pressure</li> <li>• % adults demonstrated behavior change <ul style="list-style-type: none"> <li>• 100% Somerset</li> <li>• unknown Wicomico</li> </ul> </li> <li>• % unknown for improved health status</li> </ul>



**CANCER PRIORITY AREA**

**Goal:** Improve cancer prevention, and early detection and intervention/treatment of cancer to provide the best possible outcomes in the Tri-County Area for colorectal, breast, cervical, lung and skin cancer in the Tri-County Area.

**Strategies:**

- Partner with WiCHD and SCHD to expand cancer screening
- Utilize cancer rate data to identify neighborhoods with high cancer incidence rates for targeted education and screening activities
- Collaborate with local school district(s) and colleges/universities to integrate skin cancer prevention education within student health curricula

Program Owner	Program	Activities	Objectives • Evaluation Measures	FY 2020 Evaluation Data
Tidal Health	Wagner Wellness Van Expansion	<ul style="list-style-type: none"> <li>• Clinical breast exams</li> <li>• Skin cancer screening</li> <li>• Education</li> <li>• Referral for cancer screenings</li> </ul>	<p><b>Working in partnership with the WiCHD and SCHD offer additional cancer prevention programs and screening options for low income community members, and connect those that need it to treatment</b></p> <p><b>Increase knowledge of at-risk activities for cancer, importance of healthy behaviors in prevention of cancer and importance of screening activities</b></p> <ul style="list-style-type: none"> <li>• # of screenings conducted</li> <li>• % follow up post positive screening</li> <li>• # of patients connected to treatment</li> <li>• % knowledge increase of cancer prevention</li> </ul>	<p>Two cancer screening events in the tri-county area.</p> <p>1) Westover event to reach Haitian/Creole population. Partnered with Somerset Health Department by having the BCCP booth next to TidalHealth. There were trust issues at first with not wanting to do the breast exam on the van, but we worked through that and were able to connect them that day with BCCP.</p> <p>2) Salisbury – Primarily Hispanic population. We had hoped to do an oral cancer screening event on the van, but have not been able to do this because of COVID. We are focusing/prioritizing communities/populations in Somerset County with our cancer screening efforts because of the disproportionately high prevalence of cancer. We have resumed lung cancer screenings at the hospital and would like to outreach to the community about this service. We typically have skin cancer screening events four times a year, but these have been on hold because of COVID. As we start to get the van back out into the communities, we are hoping to resume these screenings.</p>

## APPENDIX B

## FY 2021 Progress in Addressing Priority Areas

## BEHAVIORAL HEALTH PRIORITY AREA

**Goal:** Address behavioral issues in the Tri-County Service Area by reducing the instances of opioid related deaths

**Goal:** Address behavioral issues in the Tri-County Service Area by targeting seniors suffering with minor to major depression

**Strategies:**

- Collaboratively address the opioid crisis in the Tri-County Service Area with an emphasis on prevention, treatment, resources, and enforcement
- Provide peer support for people who have overdosed or sought help for opioid addiction issues
- Address depression in adults 50 years or older through skill building, problem solving, and socialization activities

Program Owner	Program	Activities	Objectives • Evaluation Measures	FY 2021 Evaluation Data
WiCHD	C.O.A.T.	<ul style="list-style-type: none"> <li>• Train peer support specialists</li> <li>• Provide phone and in-person support for people who have overdosed or who struggle with opioid addiction, as well as other substance abuse issues</li> <li>• Provide connections to resources including treatment options</li> <li>• Provide peer outreach to high risk areas of the community</li> <li>• Maintain ongoing communications about metrics between PRMC and C.O.A.T. team</li> <li>• Evaluate expansion to Somerset County</li> </ul>	<p><b>Contact and provide linkage to treatment and other support services to community members dealing with substance abuse issues</b></p> <ul style="list-style-type: none"> <li>• of contact attempts</li> <li>• # of opioid users contacted</li> <li>• # linked to treatment</li> <li>• % of those who receive treatment and remain in recovery for 6 months and beyond</li> <li>• # supported through navigation services (increase access to insurance, primary care physicians, and social service benefits)</li> </ul>	<ul style="list-style-type: none"> <li>• 421 served</li> <li>• 176 served with history of Opioid Disorder</li> <li>• 236 Wicomico Residents linked to treatment</li> <li>• 42 non-residents linked to treatment</li> <li>• Attempted contact with 234 for 6 month follow-up. Made contact with 56. Of those contacted, 45 or 80.3% remained in recovery.</li> <li>• 261 Navigation Services provided to 171 individuals</li> </ul>

SCHD WiCHD	Opioid Teams	<ul style="list-style-type: none"> <li>• Bring awareness, education, and resources to the community to work toward eliminating opioid abuse</li> <li>• Target awareness activities and campaigns to the community and schools</li> <li>• Participation in drug awareness coalitions</li> <li>• Narcan training for community members</li> <li>• Develop and implement an OIT educational trailer for parents, guardians, and adults</li> </ul> <p>This is a mock teenage bedroom set up to show possible red flags for unhealthy behavior and/or substance use</p> <ul style="list-style-type: none"> <li>• Coordinate and host first responder dinner to help address compassion fatigue</li> <li>• Work with community partners to coordinate the Go Purple Awareness Campaign</li> </ul>	<p><b>Work collaboratively to address policy, develop education, and raise community awareness in the fight against opioid use and continue to reduce instances of heroin overdose each year.</b></p> <p><u>Evaluation Measures for Somerset County Opioid United Team (SCOUT):</u></p> <ul style="list-style-type: none"> <li>• # of individuals exposed to opioid related messaging through an advertising “campaign.” Target - 7,000</li> <li>• # of individuals attending community events held in schools. Target - 600</li> <li>• # of individuals attending educational/training events held in the community. Target - 1500</li> <li>• # of additional officer hours dedicated to opioid related calls and initiative. Target - 480</li> <li>• % of overdose cases shared by Law Enforcement with the Health Department. Target - 100%</li> </ul> <p><u>Evaluation Measures for Wicomico County Opioid Intervention Team (OIT):</u></p> <ul style="list-style-type: none"> <li>• # of OIT meetings held. Target- 25</li> <li>• # of community events where Opioid Coordinator was present and providing education to the community. Target- 10</li> <li>• # of Local Overdose Fatality Review Team (LOFRT) meetings attended- Target- 10</li> <li>• # of individuals who attend CE (continuing education) trainings planned by OIT Coordinator- Target- 100</li> <li>• # of individuals exposed to messaging via tv, radio, or social media – Target- 60,000</li> </ul>	<p><b><u>Somerset County Opioid United Team (SCOUT):</u></b></p> <ul style="list-style-type: none"> <li>• 306,389 individuals exposed to opioid related messaging (Shore Birds stadium 50,000 fans, Clear Channel Billboard 106,389 impressions, The Voice radio station 150,000 listeners.)</li> <li>• Due to COVID-19 no community events at schools were held in FY21</li> <li>• Due to COVID-19 no education/training events were held in the community in FY21. However, bags were provided that advertised Somerset OIT grant with educational information to the increasing food pantries that popped up due to COVID-19.</li> <li>• 368.75 additional officer hours dedicated to opioid related calls and initiatives were funded by this grant.</li> <li>• 100 overdose cases shared by Law Enforcement with the Health Department.</li> </ul> <p><b><u>Wicomico County Opioid Intervention Team (OIT):</u></b></p> <ul style="list-style-type: none"> <li>• 15 OIT Meetings held. COVID-19 impacted the # of meetings held.</li> <li>• 16 community events were held. 14 of these were Narcan trainings.</li> <li>• 11 Local Overdose Fatality Review Team meetings held.</li> <li>• 70 individuals attended CE trainings.</li> <li>• 76,103 post reaches were made via Facebook, 15,000 resource mailers were sent to residences in Wicomico County which included SUD resources, and 76.11k impressions were made by utilizing digital advertising.</li> <li>• OIT trailer was only deployed at 1 event in FY21 due to COVID restrictions.</li> <li>• 60 Medication bags provided.</li> <li>• 100 provided education via OIT trailer. Efforts impacted by COVID-19.</li> </ul>
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			<ul style="list-style-type: none"> <li>• # of times the OIT Educational Trailer is deployed in FY21 Target-10</li> <li>• # of Medication Disposal Bags provided to community members. Target- 150</li> <li>• #of individuals provided education via OIT trailer- Target- 500</li> <li>• # of first responders who attended dinner and received education- Target-75</li> </ul>	<ul style="list-style-type: none"> <li>• Appreciation dinner not held due to COVID-19. 24 appreciation baskets sent to each local agency in lieu of dinner.</li> </ul>
Tidal Health (contracts with MAC)	PEARLS	<ul style="list-style-type: none"> <li>• Raise awareness of this free program through targeted outreach to clinicians caring for older adults, as well as senior centers and other local organizations serving older community members</li> <li>• Provide engaging and impactful curriculum in an easy-to-learn approach through flexible one-on-one visits at locations convenient for the community member being served</li> </ul>	<p><b>Reduce the instances of depression in older adults through outreach and access to an evidence-based intervention program. Increase percent of program participants with a significant reduction of depression above the 2018 baseline of 50%</b></p> <ul style="list-style-type: none"> <li>• # of community members enrolled</li> <li>• % of enrollees with reduction in level of depression maintained over 12 months</li> <li>• % of enrollees achieving remission of depression symptoms for at least 6 months</li> </ul>	<ul style="list-style-type: none"> <li>• 143 enrolled</li> <li>• 141 screened</li> <li>• 71 with 6 or more sessions</li> <li>• 51% total remission of depressive symptoms</li> <li>• 59% achieved a response</li> </ul>
Tidal Health	ER Utilization Reduction & Access Improvement Wagner Wellness Van; SWIFT; and Smith Island Telemedicine	<ul style="list-style-type: none"> <li>• Mobile unit conducts home-based visits to individuals utilizing 911 at least five times over a six-month period for non-life-threatening medical reasons.</li> <li>• The team provides physical, mental, and safety assessments, and screens for social determinants of health.</li> </ul>	<p><b>Reduce emergency department utilization of high end users as well as increase access for Smith Island</b></p> <p><u>Evaluation Measures for Smith Island Telemedicine:</u></p> <ul style="list-style-type: none"> <li>• # patients served</li> <li>• # Medication refills</li> <li>• # of telehealth visits</li> <li>• # Office visits</li> <li>• # labs</li> <li>• # community BP</li> </ul> <p><u>Evaluation Measures for SWIFT</u></p>	<ul style="list-style-type: none"> <li>• Labs 126</li> <li>• Telehealth 32</li> <li>• Office 68</li> <li>• Med refill 42</li> <li>• Bp 48</li> <li>• COVID-19 test 55 (most were health department issued)</li> <li>• Flu shots 58</li> <li>• Pneumonia 3</li> </ul>

		<ul style="list-style-type: none"> <li>Based on their assessment, patients are referred for appropriate care interventions such as primary care providers, medical specialists, in-home providers, financial and social resources, as well as other community resources as necessary.</li> </ul>	<ul style="list-style-type: none"> <li># patients served</li> </ul>	
<b>DIABETES PRIORITY AREA</b> <b>Goal:</b> Improve health of people with diabetes or pre-diabetes in the Tri-County Service Area <b>Strategies:</b> <ul style="list-style-type: none"> <li>Offer Evidence-Based Chronic Disease Self-Management Classes (CDSM) throughout the Tri-County Service Area</li> <li>Expand access to diabetes screening, education, and resources throughout the Tri-County Service Area with the Wagner Wellness Van mobile clinic services</li> <li>Provide a free evidenced-based weight loss, nutrition, and physical activity program for women and children in Wicomico and Somerset Counties</li> </ul>				
Program Owner	Program	Activities	Objectives • Evaluation Measures	FY 2021 Evaluation Data
Tidal Health (contracts with MAC)	CDSM Classes	<ul style="list-style-type: none"> <li>Target and identify patients who have diabetes and their caregivers through self-referral or provider referral</li> <li>Train Community Peer Trainers and PRMC Community Health Workers to conduct classes</li> <li>Offer classes in English, Spanish and American Sign Language</li> <li>Explore the possibility to offer classes in Haitian-Creole, Korean and Mandarin</li> </ul>	<b>By December 2020, increase the number of 6-week educational classes with identified diabetes patients and their supporting caregivers from 26 to 52 per year</b> <ul style="list-style-type: none"> <li># of 6-week classes</li> <li># of people reached</li> <li>Class completion rate</li> <li>% knowledge change</li> </ul>	<ul style="list-style-type: none"> <li>13 Workshops</li> <li>94 enrolled</li> <li>79 completed</li> <li>92% completed</li> </ul>

		<p>languages, based on availability of peer trainers in these languages</p> <ul style="list-style-type: none"> <li>• Offer 6-week classes at least weekly</li> <li>• Educate participants on diabetes self-management and have them set and track personal goals weekly and share goals with their providers</li> <li>• Partner with MAC, Inc. to collect data on pre and post A1C values</li> <li>• Connect with the statewide Health Information Exchange to make referrals between providers office and Mac, Inc for all CDSM classes</li> </ul>		
Tidal Health	Wagner Wellness Van Expansion	<ul style="list-style-type: none"> <li>• Outreach to communities utilizing a Nurse Practitioner (NP) to provide primary care ser Provide screenings for diabetes (other screenings provided as well)</li> <li>• Identify need for and make referrals to community resources for health education programs</li> <li>• Ensure those people identified as diabetic or pre-diabetic are referred for primary care follow up</li> <li>• Track rate of successful PCP follow up for all referrals</li> </ul>	<p><b>By partnering with other community stakeholders, the Community Wellness Program will increase access to diabetes screening, education, and connection to community resources. This program, which includes the Wagner Wellness Van outreach, provides health outreach events that are both large-scale and small-scale, and can be aimed toward the general public or a targeted population or geographic area.</b></p> <ul style="list-style-type: none"> <li>• # of screenings provided</li> <li>• Number of A1C's checked</li> <li>• # of community members referred for diabetes education</li> </ul>	<ul style="list-style-type: none"> <li>• No A1cs were done due to licensing constraints during the pandemic emergency. We did refer 11 people to their PCP for elevated blood pressures during this time.</li> </ul>

		<ul style="list-style-type: none"> <li>Identify barriers to accessing PCP follow up and work towards future solutions</li> </ul>	<ul style="list-style-type: none"> <li># of community members referred to their PCP</li> </ul>	
SCHD WiCHD	SCALE	<ul style="list-style-type: none"> <li>Target outreach to overweight women of child bearing age (up to age 55) and overweight children ages 7 – 17</li> <li>Offer education and activities to encourage healthier eating and physical activity</li> <li>Provide support through cooking demonstrations, grocery store tours, walks and better access to fresh, healthy food</li> </ul>	<p><b>Starting in September 2019 and ending in June 2021 SCALE's expected outcomes include: 80% of adult participants will report weight loss of at least 5% of their total body weight from baseline; 20% of adults participants will report a drop-in hemoglobin A1C by 0.2 point or more; 20% of adult participants will report a decrease in blood pressure (diastolic and systolic) by 5 points or more; demonstrated behavior change and improved health status</b></p> <ul style="list-style-type: none"> <li>% of adults with weight loss of at least 5% of their baseline body weight</li> <li>% knowledge change</li> <li>% reporting improved health status</li> <li># of adults enrolled in SCALE program</li> <li># of adults diagnosed as overweight or obese</li> <li># of adults diagnosed as overweight or obese with improved BMI or weight loss</li> <li># of adults with an increase in healthy lifestyle choices.</li> </ul>	<p>*Due to COVID-19, the grant has been extended to December 2021. Both counties held classes virtually due to COVID-19.</p> <p><b><u>Somerset County Classes:</u></b></p> <ul style="list-style-type: none"> <li>14 Adults enrolled</li> <li>57% reported at least 5% weight loss from baseline</li> <li>100% demonstrated knowledge change</li> <li>85% reported improved health status</li> <li>10 individuals diagnosed as overweight or obese; 2 had improved BMI after class</li> <li>9 individuals had increase in healthy lifestyle choices</li> </ul> <p><b><u>Wicomico County Classes:</u></b></p> <ul style="list-style-type: none"> <li>8 Adults enrolled</li> <li>95% reported at least 5% weight loss from baseline</li> <li>100% demonstrated knowledge change</li> <li>50% reported improved health status</li> <li>7 individuals diagnosed as overweight or obese; 7 had improved BMI after class</li> </ul>

### CANCER PRIORITY AREA

**Goal:** Improve cancer prevention, and early detection and intervention/treatment of cancer to provide the best possible outcomes in the Tri-County Area for colorectal, breast, cervical, lung and skin cancer in the Tri-County Area.

**Strategies:**

- Partner with WiCHD and SCHD to expand cancer screening
- Utilize cancer rate data to identify neighborhoods with high cancer incidence rates for targeted education and screening activities
- Collaborate with local school district(s) and colleges/universities to integrate skin cancer prevention education within student health curricula

Program Owner	Program	Activities	Objectives • Evaluation Measures	FY 2021 Evaluation Data
Tidal Health	Wagner Wellness Van Expansion	<ul style="list-style-type: none"> <li>• Clinical breast exams</li> <li>• Skin cancer screening</li> <li>• Education</li> <li>• Referral for cancer screenings</li> </ul>	<p><b>Working in partnership with the WiCHD and SCHD offer additional cancer prevention programs and screening options for low income community members, and connect those that need it to treatment</b></p> <p><b>Increase knowledge of at-risk activities for cancer, importance of healthy behaviors in prevention of cancer and importance of screening activities</b></p> <ul style="list-style-type: none"> <li>• # of screenings conducted</li> <li>• % follow up post positive screening</li> <li>• # of patients connected to treatment</li> <li>• % knowledge increase of cancer prevention</li> </ul>	We did not do any screening events with the cancer program during this time period because of the pandemic; however, we did provide the American Cancer Society screening handout to thousands of individuals who came to the COVID vaccination clinics.