



2024

Goochland County Community Health Assessment

Adopted: February 10, 2025



Letter from the Health Director

Dear Reader,

I am pleased to present the 2024 Goochland County Community Health Assessment (CHA) on behalf of Goochland Community Partners and the Chickahominy Health District. We thank you for your interest in this report, which presents an overview of the community's health and includes input from those who call Goochland County home. The purpose of CHA is to share progress since the previous CHA report that was published in 2019, and to identify the current health-related priorities within the County. Ultimately, our goal is to strategically work together to address the most important issues for improving the health of everyone who lives, works, and plays here.



This assessment was made possible due to the support from Goochland County leadership, community volunteers, dedicated partner organizations, and the Goochland Community Partners members. I would especially like to acknowledge the dedicated work of Emily Hines, Population Health Planning and Improvement Coordinator at the Chickahominy Health District, who served as the lead facilitator for the CHA process, and Bryanda Amillano, Community Health Epidemiologist at the Chickahominy Health District, who was the chief composer of this report. Our hope is that this report promotes continued dialogue, helps inform decisions, and inspires even more coordinated action to promote health and wellness for all. After reading this report, please consider joining us in addressing the identified health priorities as we start the Community Health Improvement Plan in 2025.

Sincerely,

Thomas G. Franck, MD, MPH
Director, Chickahominy Health District



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Acknowledgements

We would like to extend our gratitude to the following individuals and organizations for their support and contributions to the Community Health Assessment.

Goochland Community Partners

- Adina Keys, GoochlandCares
- Amal Ali, Chickahominy Health District
- Amelia Swafford, Chickahominy Health District
- Bryanda Amillano, Chickahominy Health District
- Caitlin Hodge, Chickahominy Health District
- Eddie Ferguson, Goochland County Dept. of Fire-Rescue & Emergency Services
- Emily Hines, Chickahominy Health District
- Jen Waggener, Goochland County Public Schools
- Ken Lantz, PlanRVA
- Lisa Melton, Goochland County National Association for the Advancement of Colored People (NAACP)
- Marissa Gernon, Chickahominy Health District
- Mills Jones, Goochland County
- Paul Drumwright, Goochland County
- Robin Hillman, Goochland County Dept of Fire-Rescue & Emergency Services
- Robin Pentecost, Goochland and Powhatan Community Services Board
- Dr. Tom Franck, Chickahominy Health District
- Tony Williams, The Span Center

Goochland County CHA Core Team

Thank you to the Goochland CHA Core Team who have met monthly since June 2024 to provided essential guidance and input on the process.

- Adina Keys, GoochlandCares
- Amelia Swafford, Chickahominy Health District
- Bryanda Amillano, Chickahominy Health District
- Caitlin Hodge, Chickahominy Health District
- Emily Hines, Chickahominy Health District
- Ken Lantz, PlanRVA
- Mills Jones, Goochland County
- Paul Drumwright, Goochland County
- Robin Hillman, Goochland County Dept of Fire-Rescue & Emergency Services
- Dr. Tom Franck, Chickahominy Health District

Summary

This Community Health Assessment (CHA) provides a comprehensive overview of the health status, needs, strengths, and challenges within Goochland County. Conducted in 2024, this assessment is a tool that community members and organizations can use to determine gaps in resources and consider strategies to address health needs. Goochland County is faring better than the average county in Virginia in terms of health outcomes and health factors, according to the 2024 County Health Rankings.

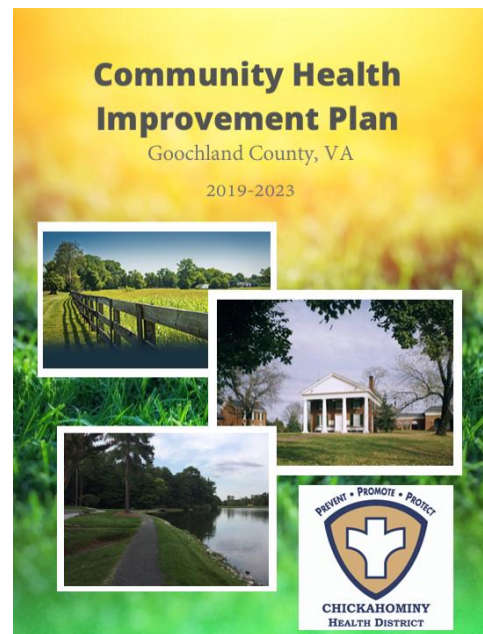
This assessment can serve as a foundation for future public health planning and will guide efforts to improve the overall health and well-being of the community. By addressing the identified issues, stakeholders can work together to create a healthier, community for all residents.

Background

Reflection on Goochland’s 2019-2023 Community Health Improvement Plan

In 2019, the Goochland County Community Health Improvement Plan (CHIP) was developed to address health priorities, including mental health and dental care access, broadband internet and housing stability, and transportation. Through a series of collaborative meetings, the community identified these issues as fundamental to improving the overall well-being of its population. The Goochland CHIP Steering Committee worked together to outline specific goals, strategies, and resources needed to tackle each of these priorities, ensuring the plan was both comprehensive and tailored to local needs. The goal was to create a supportive County where residents could have timely access to essential services, understand housing needs, and overcome transportation barriers.

The onset of the COVID-19 pandemic in early 2020 disrupted the implementation process. As the pandemic unfolded, resources and attention were redirected towards immediate health and safety concerns, including responding to the public health crisis, and ensuring the continuity of essential services. Reflecting on the past few years, it appears that COVID-19 challenges have exasperated the issues the plan sought to address, such as mental health challenges, access to healthcare, and housing instability and costs. In June 2024, the Chickahominy Health District announced that they would update the community health assessment to evaluate whether these issues have improved and to identify which health concerns are now most important to residents, given the significant changes in recent years.



2019-2023 Goochland County CHIP

Summary of 2019-2023 Health Priorities

Three infographics were created to visualize the previous health priorities within the [2019-2023 Goochland County Community Health Improvement Plan](#). The infographics in Figures 1, 2, and 3 show current indicator data focusing on mental and dental health, internet and housing access, and transportation.

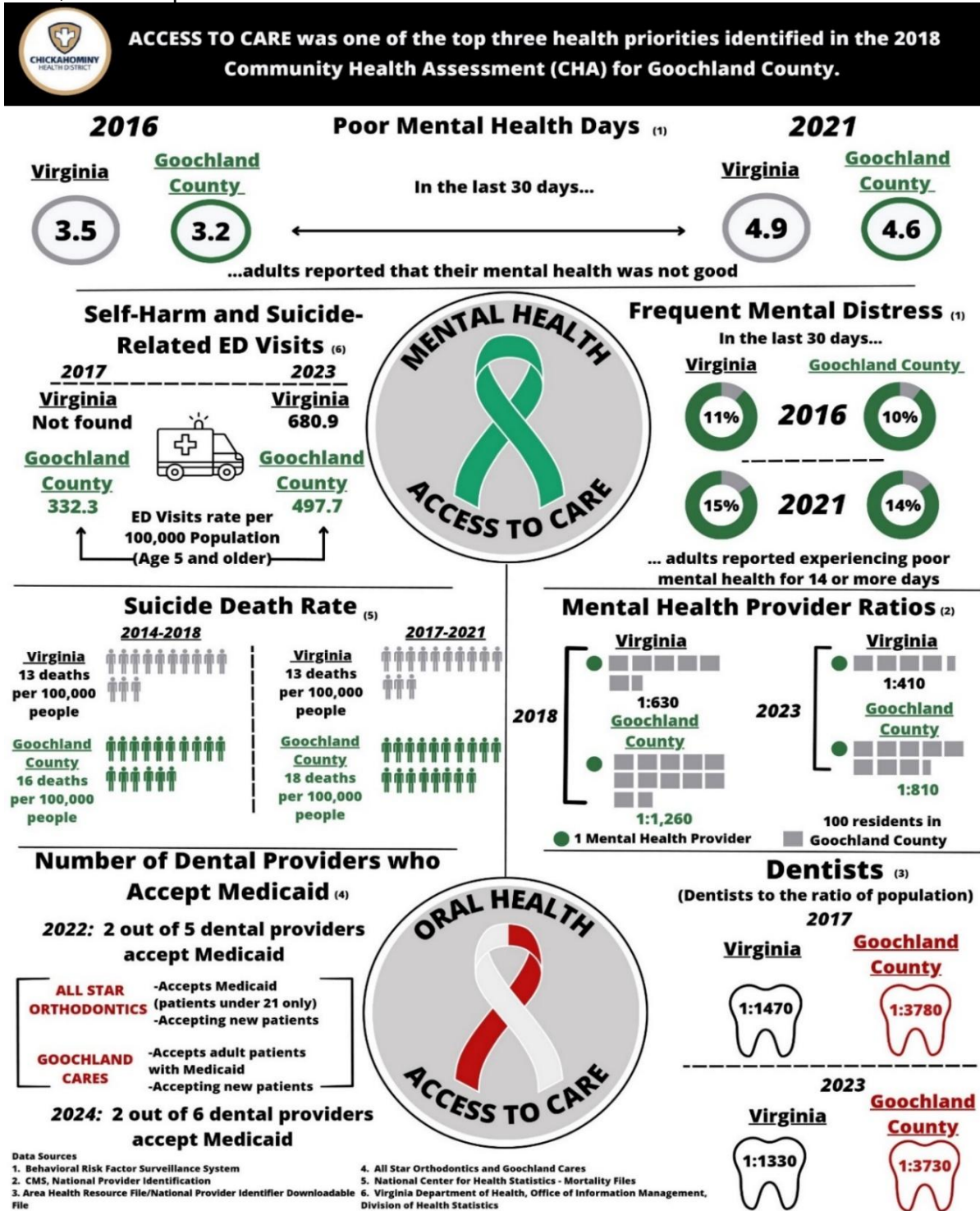
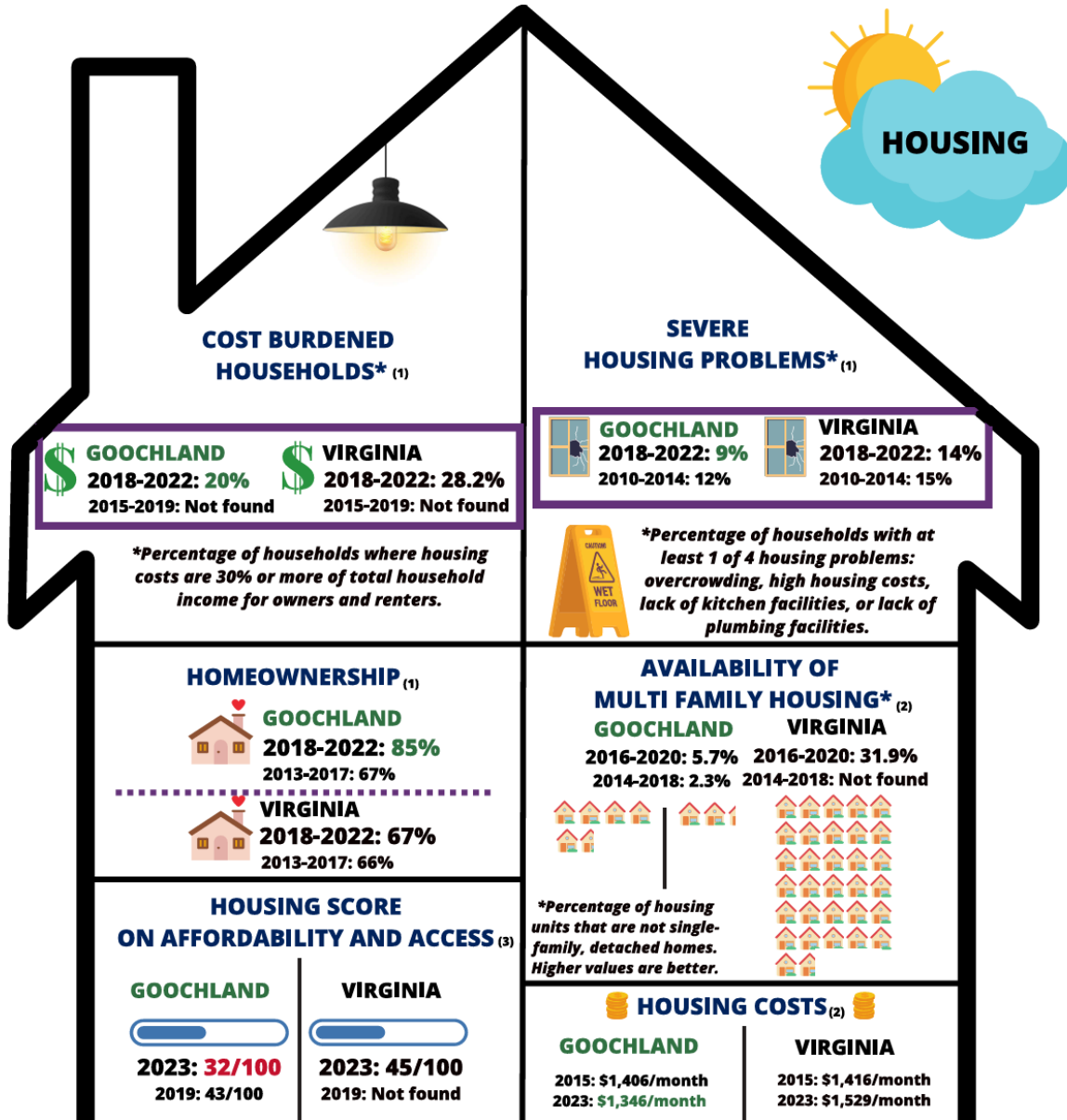


FIGURE 1: INFOGRAPHIC OF MENTAL AND DENTAL HEALTH.



ECONOMIC STABILITY was one of the top three health priorities identified in the 2018 Community Health Assessment (CHA) for Goochland County.

INTERNET ACCESS ⁽¹⁾



Data Sources
 1. American Community Survey (ACS), 5 year estimates 2018-2022
 2. U.S. Census Bureau, 2016–2020 American Community Survey 5-Year Estimates
 3. AARP Livability Index

FIGURE 2. INFOGRAPHIC OF ECONOMIC STABILITY (INCLUDING INTERNET ACCESS AND HOUSING).



TRANSPORTATION was one of the top three health priorities identified in the 2018 Community Health Assessment (CHA) for Goochland County.

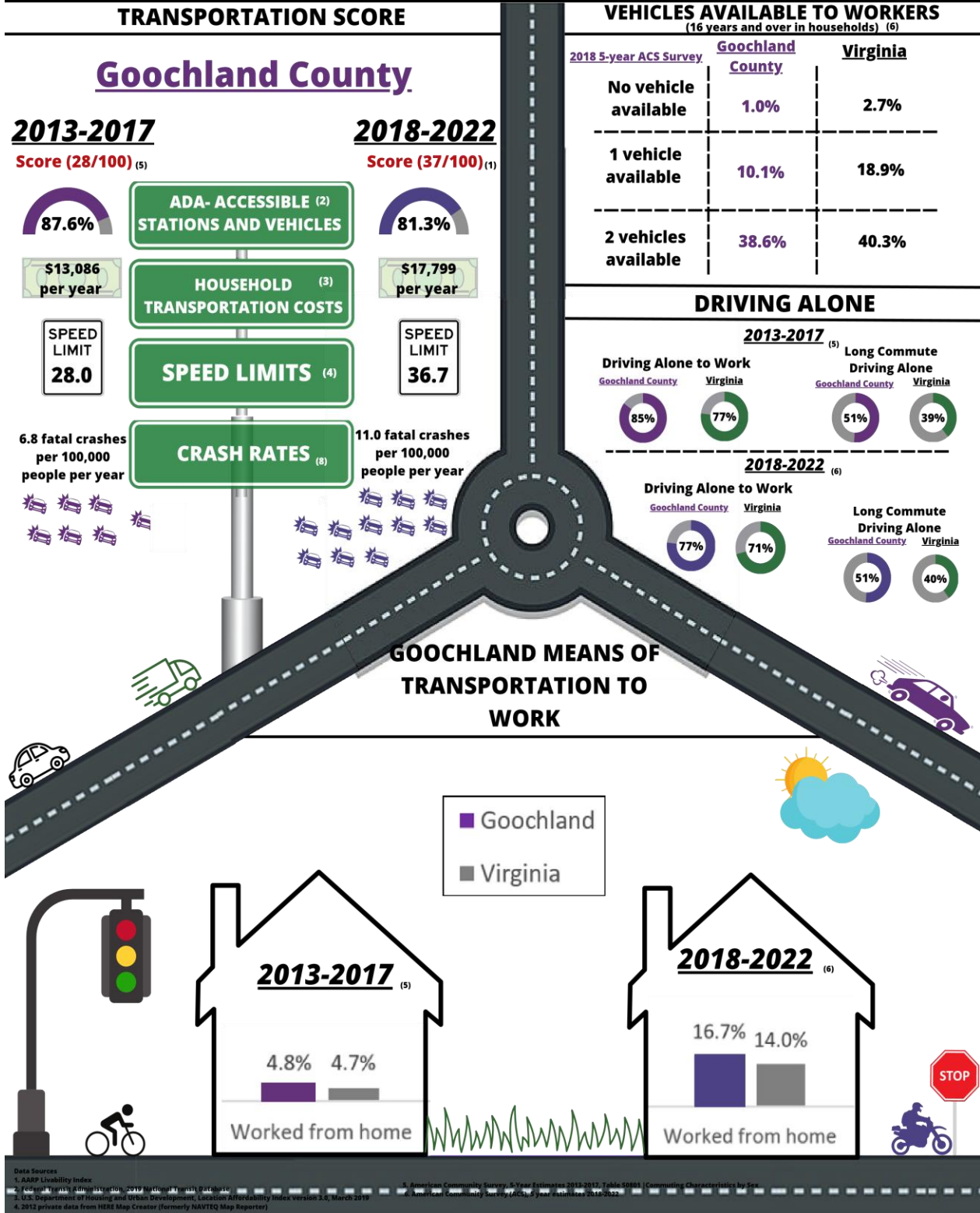


FIGURE 3: INFOGRAPHIC OF TRANSPORTATION.

About Goochland County

Demographics

Total Population

As of July 1, 2023, Goochland County's population was 27,197. According to the United States (U.S.) Decennial Census, between 2010 and 2020, the population in Goochland County increased by 13.9%. Additionally, between 2020 and 2023, the population in Goochland County increased by 10%. See Figure 4 for a comparison between the population in 2010, 2020 and 2023.

(1) The population growth between 2020 and 2023 is notable, as it increased by approximately 3,000 people—nearly matching the growth seen over the entire decade from 2010 to 2020.

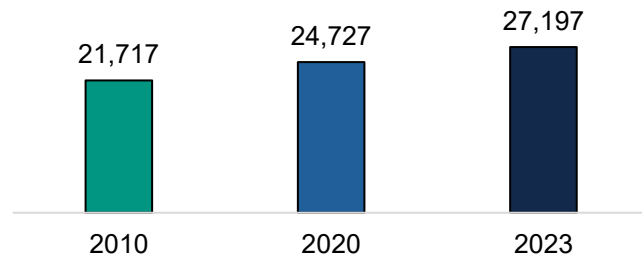


FIGURE 4: POPULATION CENSUS, 2010, 2020 AND 2023 FOR GOOCHLAND COUNTY, VIRGINIA

Race and Ethnicity

The Decennial Census showed that those who identified as White, Non-Hispanic represented 78.1% of the county, Black, Non-Hispanic represented 13.2% of the county, followed by 2.0% Asian, 1.5% as other Race, 0.3% as American Indian and Alaska Native, and .01% as Native Hawaiian/Other Pacific Islander (Figure 5).(2)

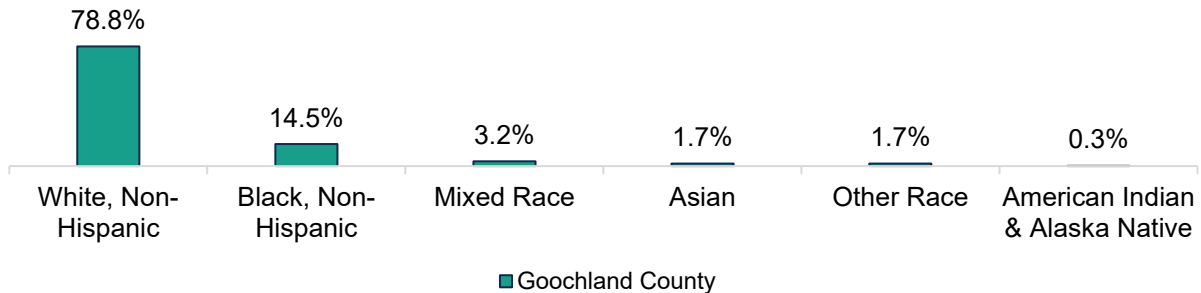


FIGURE 5: POPULATION BY RACE, PERCENT

Age

The 2022 American Community Survey (ACS) 5-year estimates show that Goochland County had a median age of 49 years. Children under 5 years old made up 3.6% of the population, while those aged 5-17 accounted for 13.3%, and young adults aged 18-24 represented 7.4%. Adults aged 25-34 comprised 10.1% of the population, and those aged 35-44 make up 10.6%. Compared to Virginia's statewide figures, Goochland County has a higher percentage of older adults: 14.3% are between 45-54 years (compared to 12.8% statewide), 17.6% are 55-64 years (compared to 13.0%), and 23.0% are aged 65 and older (compared to 16.0%) as shown in Figure 6. (3)

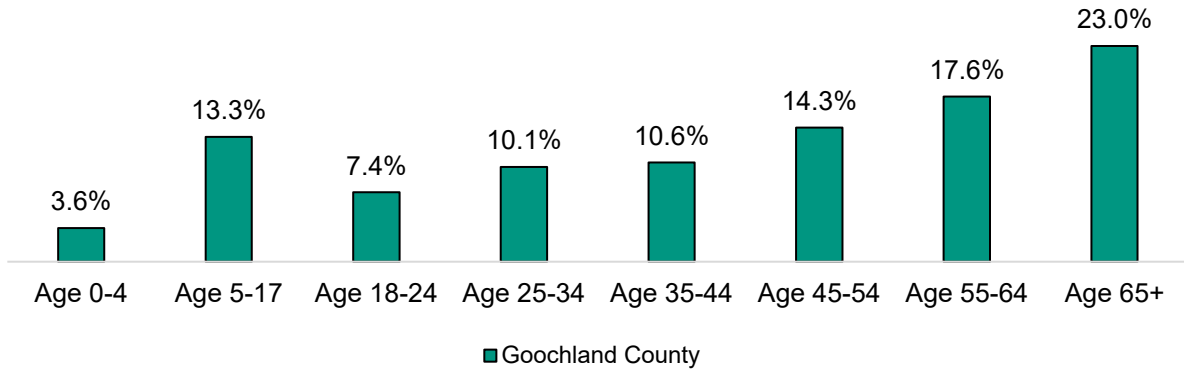


FIGURE 6: POPULATION BY AGE, PERCENT

Gender

The 2018- 2022 ACS Survey reported that 50.2% of the population identified as female and 49.8% as male. Among younger age groups, including young adults and children, males were slightly more represented, whereas in the adult and older age groups, females made up a slightly higher percentage of the community.(4)

Population with Any Disability

This indicator reports the percentage of the total civilian non-institutionalized population with a disability. As of 2018-2022, 12.6% of the population in Goochland County had a disability as shown in Figure 7 in comparison to state and national percentages. Among children under the age 18, 4.2% were identified as having a disability, while 8.1% of individuals aged 18-64, and 30.1% of those aged 65 and older, had a disability.(5)

Disability status for children is determined by hearing, vision, cognitive, ambulatory, and self-care difficulties, while for individuals aged 18 years and older, disability status includes any of the following six difficulties: 1) hearing; 2) vision; 3) cognition (serious difficulty concentrating, remembering, or making decisions); 4) mobility (serious difficulty walking or climbing stairs); 5) self-care (difficulty dressing or bathing); and 6) independent living (difficulty doing errands alone). Within the report area, 5.0% of individuals experience hearing difficulty, 2.1% have vision difficulty, 3.8% experience cognitive difficulty, 5.8% have ambulatory difficulty, 1.8% have self-care difficulty, and 3.7% of those aged 18 and older experience independent living difficulty.(5) This indicator can help inform the need for targeted services and additional provider outreach, which may be required by individuals with disabilities.

Population with a Disability, Percent

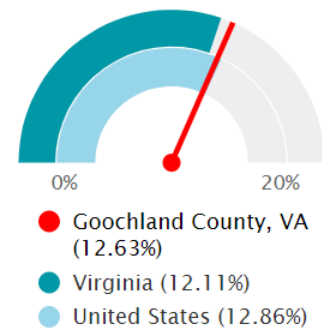


FIGURE 7: POPULATION WITH ANY DISABILITY, PERCENT

Foreign-Born Population

The foreign-born population consists of individuals who were not U.S. citizens at birth. This includes those who identified as naturalized U.S. citizens as well as those who are not U.S. citizens. The 2022 ACS 5-year estimates show that 3.6% of the Goochland County population are foreign-born. This percentage is less than the state average of 13.6% (6) and the national average of 13.9%. (7) Table 1 shows the top ten countries of origin for the foreign-born population in Goochland County. (8)

TABLE 1: NATIONAL ORIGIN FOR THE FOREIGN-BORN POPULATION IN GOOCHLAND COUNTY

Report Area	Rank	Country	Percentage
Goochland County, Virginia	1	Other Northern Europe	16.3%
Goochland County, Virginia	2	Mexico	11.7%
Goochland County, Virginia	3	Cambodia	5.8%
Goochland County, Virginia	4	United Kingdom, excluding England and Scotland	5.2%
Goochland County, Virginia	5	Vietnam	5.0%
Goochland County, Virginia	6	India	4.0%
Goochland County, Virginia	7	Jamaica	3.6%
Goochland County, Virginia	8	Brazil	3.0%
Goochland County, Virginia	9	Russia	2.9%
Goochland County, Virginia	10	Malaysia	2.8%

Limited English Proficiency (LEP) by Language Spoken at Home

In Goochland County, 1.2% of the population aged 5 years and older speak a language other than English at home and speak English less than “very well”.⁽⁹⁾ Among those who speak Spanish, 0.5% (or approximately 1 individual out of 197) report speaking English less than 'very well.' For those speaking other Indo-European languages, 0.2% of a total of 725 individuals fall into this category. Among speakers of Asian and Pacific Islander languages, 0.6% of 308 individuals report limited English proficiency, while for other languages, no individuals among the 71 speakers report speaking English less than 'very well'.⁽¹⁰⁾ Figure 8 shows the population in Goochland with limited proficiency by census tract. Although the percentage of residents with limited English proficiency, it still highlights the need for culturally and linguistically sensitive services to ensure equitable access to resources and opportunities for all residents.

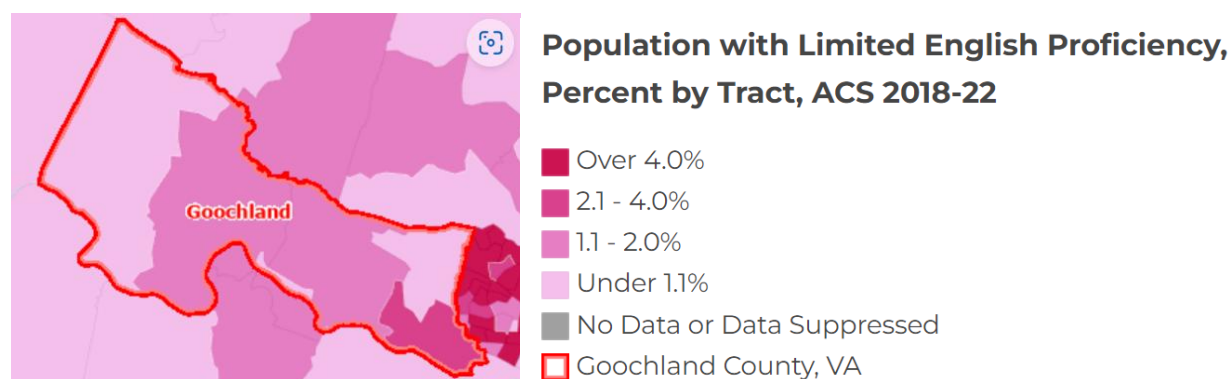


FIGURE 8: MAP OF POPULATION WITH ENGLISH PROFICIENCY BY CENSUS TRACT

Veteran Status

According to the U.S. Census Bureau, the ACS 2022 5-year estimates showed that 1,697 or 8.2% of the population in Goochland County are veterans. In Virginia and in the U.S., 9.9% and 6.6% of the population are veterans, respectively.⁽¹¹⁾ Veterans are people who have served (even for a short time), but are not currently serving or on active duty in the U.S. Army, Navy, Air Force, Marine Corps, or the Coast Guard, or who served in the U.S. Merchant Marine during World War II.⁽¹²⁾ Knowing veteran status allows public health officials to tailor services and interventions to address the unique health needs and challenges faced by veterans, such as mental health conditions, physical injuries, and exposure to hazardous materials during military service.

Length of Life Premature Death

Years of Potential Life Lost (YPLL) measures the years of life lost when individuals die before reaching age 75. It is a summation of years lost prior to 75, per 100,000 population. YPLL is a widely used measure of premature mortality, rather than overall mortality, because it focuses on deaths that might have been prevented. ⁽¹³⁾ In Goochland County, between 2019 to 2021, there were 330 premature deaths resulting in 6,539 years of life were lost for individuals under age 75, per 100,000 people as shown in Figure 9. ⁽¹³⁾ This rate is lower than both the state-level (7,297) and the national level (7,986).

⁽¹⁴⁾

Years of Potential Life Lost Rate Per 100,000 Population

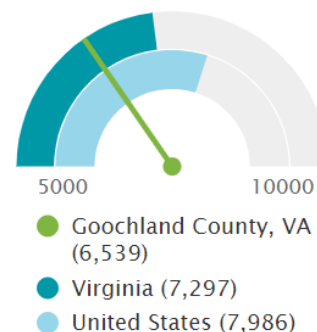


FIGURE 9: YEARS OF POTENTIAL LIFE LOST, RATE PER 100,000 POPULATION

All-Cause Mortality - Crude Death Rate

This indicator reports the 2018-2021 four-year average rate of death per 100,000 population. In Goochland County, the crude death rate was 995.7 per 100,000 people, which is higher than Virginia (893.1) and the U.S. (952.5) rates. According to Virginia's Plan for Well-Being, diseases of the heart was the top cause of death in Goochland County between 2018-2021, followed by malignant neoplasms, also known as cancer, cerebrovascular diseases, accidents, and COVID-19. ⁽¹⁵⁾ See Table 2 for the crude mortality rates for the top five causes of death for the four-year.

TABLE 2: LEADING CAUSE OF DEATH IN GOOCHLAND, 2018-2021

Cause of Death	Mortality Rate (Per 100,000 Population)
1 - Deases of heart	224.9
2 - Malignant neoplasms	216.7
3 - Cerebrovascular diseases	59.9
4 - Accidents	52.6
5 - COVID-19	49.5

Life Expectancy

Life expectancy represents the average number of years a person can expect to live from birth, based on the current age-specific mortality rates of the population. Between 2019 and 2021, Goochland County's life expectancy was 80.1 years, which is higher than both Virginia's average of 78.1 years and the U.S. average of 77.6 years. When broken down by race in Goochland County, individuals identifying as Non-Hispanic Black have a life expectancy of 74.7 years, compared to 80.9 years for those identifying as Non-Hispanic White (see Figure 10). Life expectancy data for other racial groups was not available. ⁽¹⁶⁾

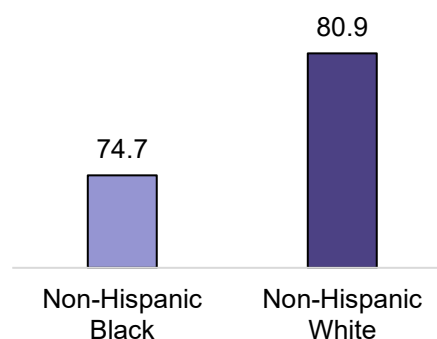


FIGURE 10: AVERAGE LIFE EXPECTANCY BY RACE, YEARS

Cancer Mortality Rate

This indicator reports the 2018-2022 five-year average rate of death due to malignant neoplasm, also known as cancer, per 100,000 population. The figure shows crude rates, and this indicator is relevant because cancer is a leading cause of death in the United States. Within Goochland County, there were a total of 268 deaths due to cancer. This represents a crude death rate of 217.8 per every 100,000 total population. This rate is higher than Virginia (179.8) and the U.S. (182.7).⁽¹⁷⁾ When the data for Goochland was broken down by race, those who identify as Black had a cancer death rate of 336.8, compared to those who identify as White (204.2) as shown in Figure 11. Cancer mortality data for other racial groups were not available in Goochland County.

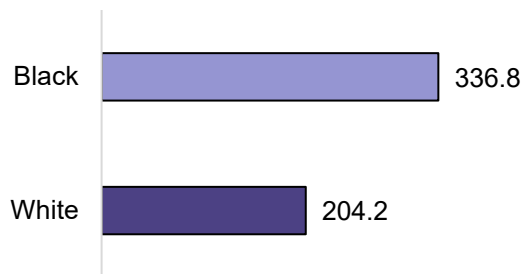


FIGURE 11: CANCER MORTALITY, RATE PER 100,000 POPULATION

Quality of Life

Poor or Fair Health

Self-reported health status serves as a broad indicator of health-related quality of life (HRQoL) within a population. In 2021, 12.0% of Goochland County residents reported being in fair or poor health, a percentage lower than the rates for Virginia and the United States, which both stand at 14.0%. This measure is widely recognized for evaluating people's overall quality of life.⁽¹⁸⁾

Poor Physical Health Days

In 2021, adults in Goochland County reported that their physical health was “not good” an average of 3.0 days of the previous 30 days. This average was lower than Virginia (3.2 days), and the U.S. (3.3 days).⁽¹⁶⁾

Poor Mental Health Days

In 2021, adults in Goochland County reported experiencing poor mental health on an average of 4.6 days in the past 30 days. Refer to Figure 12 for a comparison of this indicator with county, state, and national values.⁽¹⁶⁾

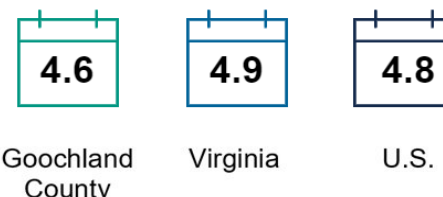


FIGURE 12: AVERAGE NUMBER OF POOR MENTAL HEALTH DAYS, IN PAST 30 DAYS

Frequent Mental Distress

In 2021, 14% of adults in Goochland County reported experiencing poor mental health for 14 or more of the last 30 days. Frequent Mental Distress is a related measure to Poor Mental Health Days, offering a slightly different perspective by highlighting individuals facing more chronic and potentially severe mental health challenges.⁽¹⁶⁾

Low Birthweight

Low birthweight, defined as less than 5 pounds 8 ounces, is often caused by preterm births (before 37 weeks gestation) or intrauterine growth restrictions, both of which are linked to higher risks of infant morbidity and mortality. Between 2016 and 2022, 7.0% of all babies in Goochland County were born with low birthweight, slightly below the 8% rate for both Virginia and the U.S. When disaggregated by race, 14.0% of Non-Hispanic Black babies were low birthweight, compared to 6.0% of Non-Hispanic White babies (see Figure 13). Low birthweight serves as a

key public health indicator, reflecting various factors such as maternal health, nutrition, access to healthcare, and socioeconomic status.⁽¹⁶⁾

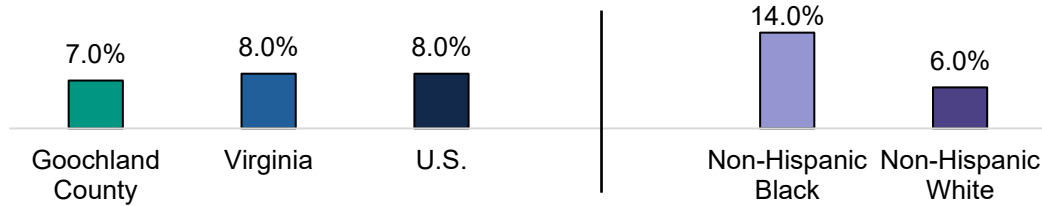


FIGURE 13: PERCENT OF BABIES BORN WITH LOW BIRTHWEIGHT

Diabetes Prevalence

In 2021, 8.0% of adults in Goochland County had a diabetes diagnosis, compared to 10.0% in both Virginia and the U.S. as shown in Figure 14. Diabetes is a chronic condition with widespread effects on physical, social, and mental well-being, contributing significantly to morbidity and mortality as the eighth leading cause of death in the United States.⁽¹⁶⁾

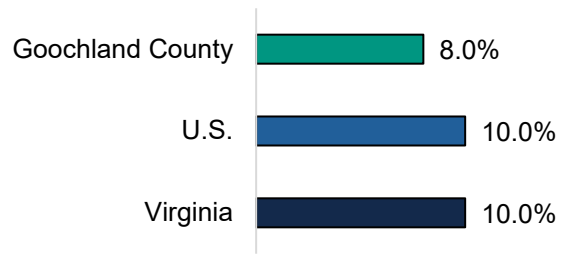


FIGURE 14: DIABETES PREVALENCE, PERCENT

Human Immunodeficiency Virus (HIV) Prevalence

In Goochland County, 240.8 out of every 100,000 residents aged 13 and older are living with an HIV diagnosis, which is lower than the rates in Virginia (337.8) and the U.S. (386.6). This measure, based on 2022 data, was included in the 2024 Virginia’s Plan for Well-Being.⁽¹⁹⁾ HIV prevalence can serve as an indicator of environments associated with unsafe intravenous drug use, unprotected sex, limited access to HIV treatment (antiretroviral therapy), or insufficient use of preventive measures like pre-exposure prophylaxis (PrEP) and post-exposure prophylaxis (PEP).⁽¹⁶⁾

Health Behaviors

Adult Smoking

Cigarette smoking is a significant health risk, contributing to approximately 480,000 premature deaths annually at the national level. It’s linked to various cancers, cardiovascular diseases, respiratory conditions, and adverse birth outcomes. In 2021, Goochland County’s adult smoking rate was 12.0%, lower than Virginia’s 13.0% and the national rate of 15.0% (see Figure 15). Tracking tobacco use prevalence is crucial for evaluating the need for cessation programs and assessing the effectiveness of existing tobacco control initiatives.⁽¹⁶⁾

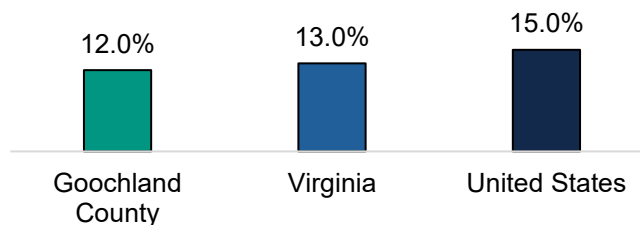


FIGURE 15: CIGARETTE SMOKING IN 2021, PERCENT

Heavy Alcohol Consumption

In 2021, Goochland County reported a 16.0% adult rate of binge or heavy drinking, lower than Virginia and the U.S. rates of 18.0%.⁽¹⁶⁾ Tracking heavy alcohol consumption is crucial for understanding a community's health. Excessive alcohol use is linked to a range of health problems, including liver disease, heart disease, certain cancers, accidents, and mental health issues. By monitoring these trends, communities can identify areas of concern, target interventions, and effectively allocate resources to address alcohol-related problems.⁽²⁰⁾

Alcohol-Impaired Driving Deaths

Between 2017 and 2021, alcohol was a factor in 20.0% of motor vehicle crash deaths in Goochland County. While this is lower than the state average of 30.0% and the national average of 26.0% (see Figure 16), it highlights the ongoing danger of driving under the influence. Alcohol impairs critical cognitive functions such as thinking, reasoning, and muscle coordination, making it extremely dangerous to operate a vehicle. The annual cost of alcohol-related crashes in the U.S. exceeds \$58 billion, highlighting the significant societal impact of this preventable problem.^(21, 22)

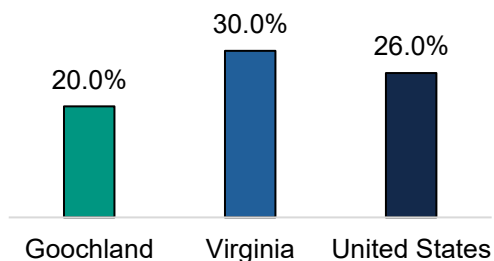


FIGURE 16: ALCOHOL-IMPAIRED DRIVING DEATHS, PERCENT, 2017-2021

Access to Exercise Opportunities

Regular physical activity is linked to reduced risk of type 2 diabetes, cancer, stroke, hypertension, cardiovascular disease, and premature death, regardless of a person's weight. The built environment plays a crucial role in encouraging physical activity, as individuals who live closer to amenities like sidewalks, parks, and gyms are more likely to exercise. In Goochland County, 63% of residents live near a park or recreational facility, a figure lower than the state and national average of 84%. According to County Health Rankings, the data used for these calculations spans the years 2023, 2022, and 2020.⁽¹⁶⁾

Physical Inactivity

Physical activity is associated with improved sleep, cognitive ability, bone and musculoskeletal health, and reduced risk of dementia. This indicator measures the percentage of adults aged 18 and over reporting no leisure-time physical activity (age-adjusted). In 2021, 18% of adults in Goochland County reported participating in no physical activity outside of work. This is lower than the rate for Virginia (20%) and the U.S. (23%).⁽¹⁶⁾

Food Environment Index

The Food Environment Index measures factors contributing to a healthy food environment on a scale from 0 (worst) to 10 (best). This index considers proximity to healthy food options, such as grocery stores and supermarkets, as well as income-related barriers that may prevent access to these foods. In 2019 and 2021, Goochland County scored 9.6 out of 10 on the food environment index, reflecting strong access to healthy foods and low levels of food insecurity. In comparison, the statewide average was 9.0, while the national average was 7.7 (see Figure 17).⁽¹⁶⁾

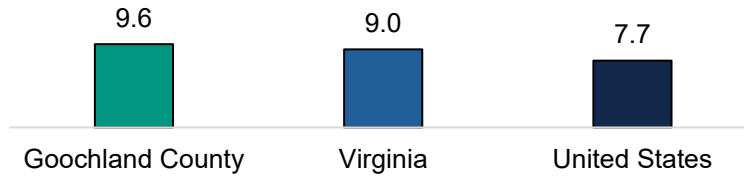


FIGURE 17: FOOD ENVIRONMENT INDEX, SCALE (0-10), 2019 & 2021

Food Insecurity

In 2021, 5% of Goochland residents did not have a reliable source of food. This is lower than the rate for Virginia (8.0%) and the U.S. (10.0%). Lacking consistent access to food is related to negative health outcomes such as weight-gain and premature mortality. This measure addresses the ability of individuals and families to provide balanced meals, including fruits and vegetables, which further address barriers to healthy eating. ⁽¹⁶⁾

Limited Access to Healthy Foods

This indicator highlights the number of neighborhoods in Goochland County classified as food deserts. According to the USDA Food Access Research Atlas, a food desert is defined as a neighborhood lacking healthy food sources due to factors such as income level, distance to supermarkets, or lack of vehicle access. In 2019, Goochland County had no residents living in food deserts and no census tracts designated as food deserts by the USDA.⁽²³⁾ However, County Health Rankings reported that 2% of Goochland residents had a low income and lived far from a grocery store, creating barriers to accessing healthy foods. This rate is lower than both the Virginia average of 4% and the national average of 6% (Figure 18).⁽¹⁶⁾

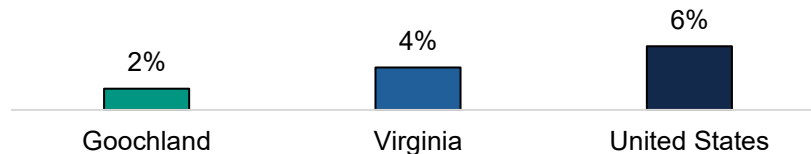


FIGURE 18: FOOD DESERTS, PERCENT

Adult Obesity

Adult obesity, defined as a BMI of 30 or higher, is a condition that increases the risk of various health issues, including heart disease and diabetes. In Goochland County, 34.0% of adults had a BMI of 30 or greater, matching the rates for both Virginia and the United States. Environmental factors like limited access to healthy foods, fast-food marketing, and under-resourced areas for physical activity. Additionally, individuals with obesity frequently face stigma and discrimination, including biased treatment from healthcare providers, which exacerbates health risks and can lead to poor care outcomes. ⁽¹⁶⁾

Drug Overdose Deaths

Drug overdose deaths, a leading cause of premature death in the U.S, have risen significantly, with six times more fatalities in 2021 than in 1999. Opioids, both prescribed (e.g., methadone, oxycodone, and hydrocodone) and illicit (e.g., fentanyl and heroin), were involved in 75.0% of overdose deaths in 2021. ⁽¹⁶⁾ In Goochland County, from 2018 to 2022, there were 20 drug overdose deaths, resulting in a crude death rate of 16.3 per 100,000 population, which is lower than state and national rates. ⁽²⁴⁾

Teen Births

In Goochland County, there were 5 teen births per 1,000 females ages 15–19, which is lower than the rates in Virginia (13 per 1,000) and the U.S. (17 per 1,000).⁽¹⁶⁾ Teen pregnancy poses unique medical risks, including an increased risk for lack of prenatal care, high blood pressure, premature birth, low birth weight, sexually transmitted infections, and postpartum depression. Beyond health concerns, teen pregnancies often lead to significant social and economic challenges, negatively affecting outcomes for both teenage mothers and their children.⁽²⁵⁾

Insufficient Sleep

This indicator measures the percentage of adults aged 18 and older who report routinely getting insufficient sleep, defined as less than 7 hours on average within a 24-hour period. In Goochland County, 34.9% of adults report sleeping less than 7 hours on average in 2022 (see Figure 19).⁽²⁶⁾

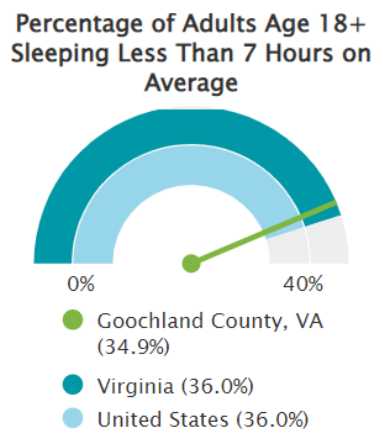


FIGURE 19: ADULTS AGE 18+ SLEEPING LESS THAN 7 HOURS ON AVERAGE, PERCENT, 2022

Clinical Care

Adults Uninsured

Lacking health insurance is considered a key driver of health status. This indicator reports the percentage of adults aged 18 to 64 without health insurance coverage. In Goochland County, only 4.2% of adults aged 18 to 64 were uninsured in 2022. This is lower than the state rate of 8.7% and the national rate of 11.2%. The lack of health insurance can severely hinder access to essential healthcare services, including primary care, specialist consultations, and preventive screenings. This, in turn, can negatively impact health outcomes and contribute to poorer overall health.⁽²⁷⁾

Children Uninsured

This indicator reports the percentage of children under age 19 without health insurance coverage. In Goochland County, 3.2% of children under age 19 were uninsured in 2022. This is lower than the state rate of 4.3% and the national rate of 5.1%.⁽²⁷⁾

Primary Care Physicians

This indicator reports the number of primary care physicians per 100,000 population. Doctors classified as “primary care physicians” by the American Medical Association include General

Family Medicine MDs and DOs, General Practice MDs and DOs, General Internal Medicine MDs and General Pediatrics MDs. Physicians aged 75 and over and physicians practicing sub-specialties within the listed specialties are excluded. In 2022, Goochland County had 18 primary care physicians (70.62 providers per 100,000).⁽²⁸⁾ County Health Rankings show a ratio of 1 primary care physician per 1,420 people in Goochland. Figure 20 also shows the state and national ratios. This indicator is relevant because a shortage of health professionals contributes to access and health status issues.⁽¹⁶⁾

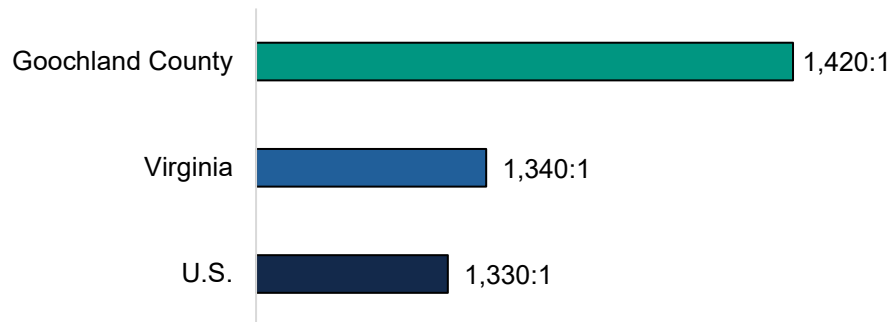


FIGURE 20: RATIO OF POPULATION PER ONE PRIMARY CARE PHYSICIANS, 2021

Prevention - Annual Checkup

This indicator reports the percentage of adults aged 18 and older who report having been to a doctor for a routine checkup (e.g., a general physical exam or well visit, not an exam for a specific injury, illness, or condition) in the previous year. In Goochland County, a large portion of adults aged 18 and older—81.4%—had a routine checkup within the past year measured by zip code tabulation areas (ZCTA) (Figure 21). While this rate experienced a temporary decline during the COVID-19 pandemic, it has since rebounded to pre-pandemic levels. This rate is higher than Virginia’s rate of 79.0% and the national rate of 76.1%.⁽²⁹⁾

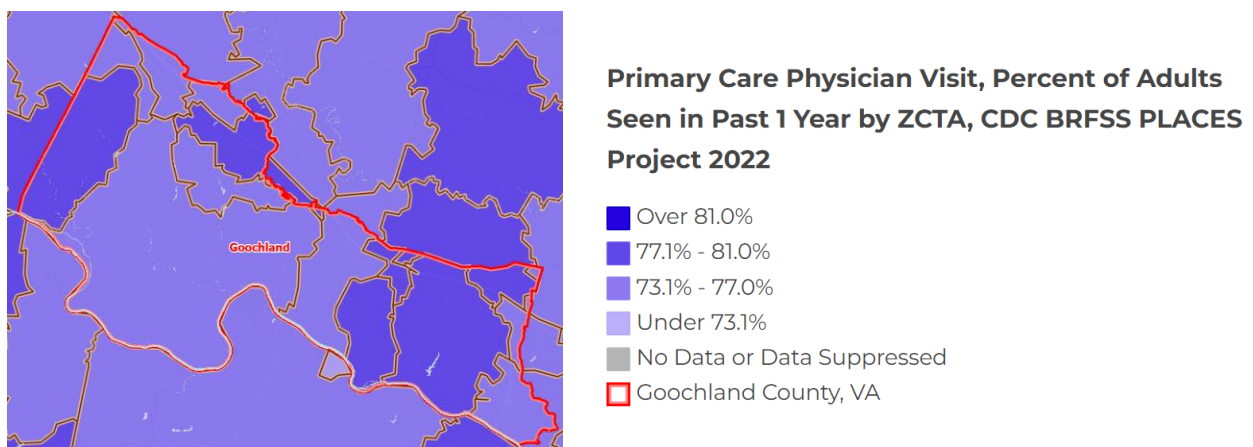


FIGURE 21: MAP OF PRIMARY CARE PHYSICIAN VISITS IN THE PAST YEAR, 2022

Mental Health Providers

Mental health providers are defined as psychiatrists, psychologists, licenses clinical social workers, counselors, and marriage and family therapists, mental health providers that treat alcohol and other drug use, and advanced practice nurses specializing in mental health care. In 2023, there was one mental health provider registered per 820 people in Goochland County.

This ratio is higher than Virginia’s ratio of people per provider at 410:1 and the U.S. ratio at 320:1 as shown in Figure 22. While the Affordable Care Act has expanded insurance coverage for mental health services, access to care remains a significant challenge. Many individuals, particularly those residing in Mental Health Professional Shortage Areas, face difficulties with finding in-network mental health providers. Additionally, disparities in cost-sharing between primary care and mental health services can further hinder access to care. As a result, millions of Americans continue to struggle to obtain the mental health services they need.⁽¹⁶⁾

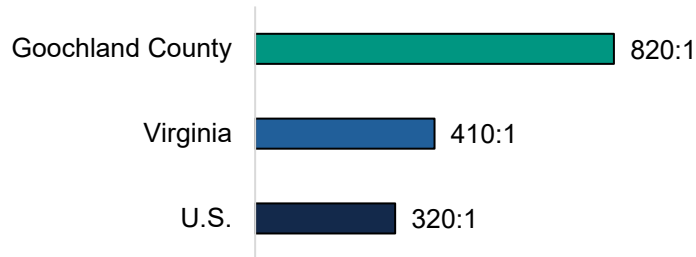


FIGURE 22: RATIO OF POPULATION PER ONE MENTAL HEALTH PROVIDER, 2023

Dentists

In 2022, there was one dentist registered per 3,730 people in Goochland County. This ratio is higher than Virginia’s ratio at 1,330:1 and the U.S. ratio at 1,360:1 (Figure 23).⁽¹⁶⁾ Goochland's high ratio of dentists to residents could be attributed to rural character and proximity to Henrico County.

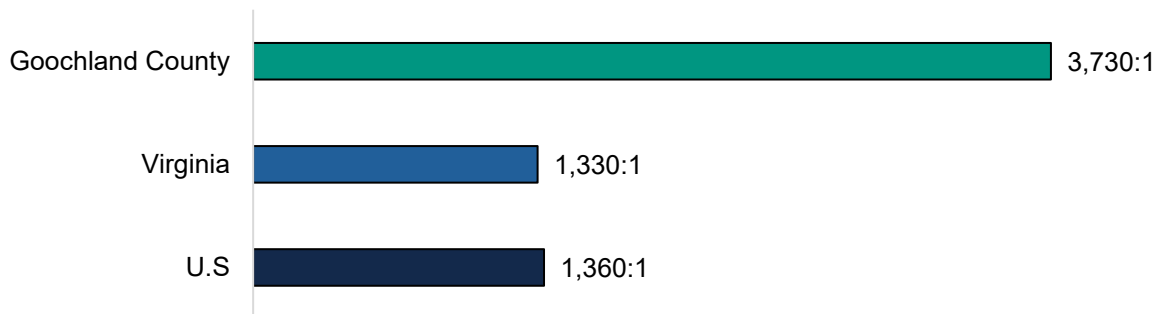


FIGURE 23: RATIO OF POPULATION PER ONE DENTIST, 2022

Prevention - Dental Visit

This indicator reports the percentage of adults aged 18 and older who report having been to the dentist or dental clinic in the previous year. In 2022, Goochland County, 74.1% of adults age 18+ who went to the dentist in the past year. This rate is higher than Virginia’s rate of 68.0% and the national rate of 63.9%.⁽³⁰⁾ Information on those under age 18 was not available.

Preventable Hospital Stays

This indicator measures the number of hospitalizations per 100,000 adults aged 18 and older that could potentially have been prevented through effective outpatient care. These avoidable hospitalizations, often due to acute illnesses or worsening chronic conditions, place a significant financial burden on patients, insurers, and healthcare systems. While not all hospitalizations can be avoided, disparities in access to primary care, care-seeking behaviors, and the quality of care can influence these rates. Goochland County had a lower rate of avoidable hospitalizations (709.6 per 100,000) compared to Virginia (820.0 per 100,000).⁽³¹⁾

Flu Vaccinations

Influenza, commonly known as the flu, is a potentially severe illness that can result in hospitalization and even death. Annually, millions of people contract the flu, leading to thousands of hospitalizations and fatalities. The most effective defense against influenza is the annual flu vaccine, which can significantly reduce the risk of illness, hospitalization, and death. It is recommended that everyone aged six months and older receive a flu vaccine each year, with particular emphasis on individuals over 65 who are at heightened risk of serious flu-related complications. ⁽¹⁶⁾

This indicator looks at percentage of fee-for-service (FFS) Medicare enrollees who had an annual flu vaccination. In Goochland County, 55.0% of Medicare enrollees received an annual flu vaccine in 2021, compared to 49.0% of Medicare enrollees in Virginia and 46.0% in the U.S. As shown in Figure 24, 40.0% of enrollees who were Black received a flu vaccine, compared to 58.0% of enrollees who were White.

Additional race data was not available. ⁽¹⁶⁾

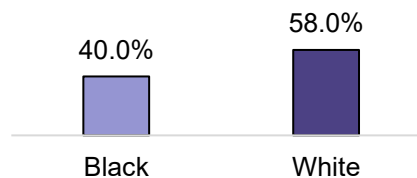
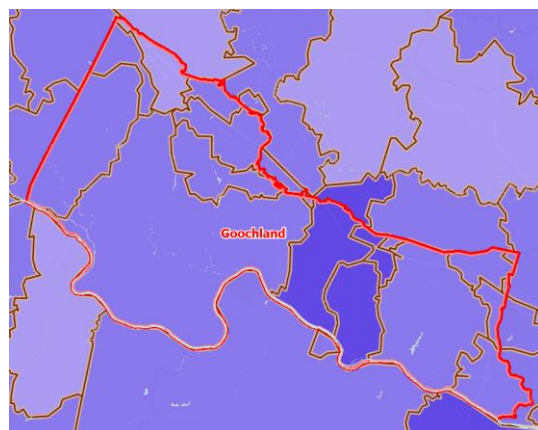


FIGURE 24: ANNUAL FLU VACCINATIONS, PERCENT

Mammography Screenings

Mammography screenings are crucial for the detection of early breast cancer and can significantly reduce breast cancer mortality, particularly among older women. The American Cancer Society recommends annual mammograms for women aged 45-54 and biennial screenings for women aged 55 and older. ⁽¹⁶⁾ This indicator examines the percentage of women aged 50-74 who have had a mammogram within the past two years (2020-2022). In Goochland County, 80.9% of women in this age group have had a recent mammogram. This rate is higher than Virginia's at 78.6% and the United States at 76.5%. Figure 25 shows the rate of mammogram screenings in the past two years by zip code tabulation areas (ZCTA) in Goochland among women aged 50-74. ⁽³²⁾



Mammogram (Past 2 Years), Prevalence Among Women Age 50-74 by ZCTA, CDC BRFSS PLACES Project 2022

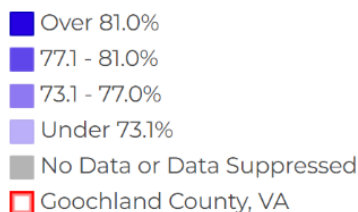


FIGURE 25: THE PERCENTAGE OF MAMMOGRAMS FROM 2020-2022

Hospitalizations - Diabetes

This indicator tracks the rate of hospital admissions for diabetes-related complications per 100,000 individuals. Diabetes is a chronic condition that impairs the body's ability to regulate blood sugar levels. Over time, uncontrolled diabetes can damage vital organs like the heart, blood vessels, eyes, kidneys, and nerves. In the United States, diabetes is a prevalent chronic disease and ranks as the seventh leading cause of death, a position it also holds in Virginia. While diabetes has no cure, it can be managed effectively through lifestyle adjustments, self-

management techniques, and medication, thereby reducing the risk of serious complications and the need for hospitalization. In 2022, there were 1,862.4 hospitalizations due to diabetes per 100,000 population, equating to a total of 455 hospitalizations. This is lower than Virginia's rate (2,114.2 per 100,000).⁽³³⁾

Social and Economic Factors

High School Completion

This indicator is the percentage of Goochland County adults (age 25 or older) who had a high school degree or equivalent. Between 2018-2022, 94.0% of adults in Goochland had a high school degree or equivalent, which is higher than Virginia's (91.0%), and the U.S. (89.0%) percentages as shown in Figure 26. ⁽¹⁶⁾

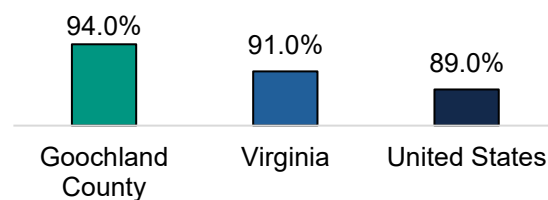


FIGURE 26: HIGH SCHOOL COMPLETION, PERCENT

Some College Completion

The term “some college” is the percentage of the population ages 25-44, with some post-secondary education, like enrollment in vocational/technical education, community college, or 4-year university. It includes individuals who pursued education following high school but did not receive a degree as well as those who did attain degrees. Between 2018-2022, 70.0% of adults in Goochland had completed some college, which is lower than Virginia's (72.0%), but higher than the U.S.'s (68.0%) percentages as shown in Figure 27. ⁽¹⁶⁾

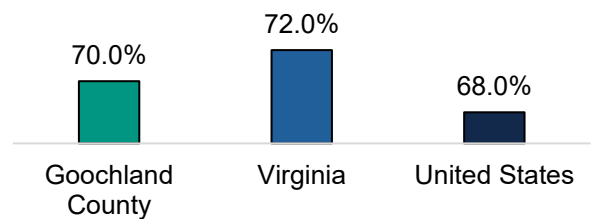


FIGURE 27: SOME COLLEGE COMPLETION, PERCENT

Median Household Income

For 2018-2022 the American Community Survey reported the median household income in Goochland County was \$113,600. That is more than Virginia (\$85,800) and the U.S (\$74,800). Additionally, the differences in median household income between racial groups are shown in Figure 28. Households who identify as Asian report the highest median household income (\$140,500), followed by Hispanic households (\$116,700), White households (\$110,600), and Black households (\$68,900).⁽¹⁶⁾ In Figure 28, the data includes a wide range of incomes. Please note a few very high earners can push the number up. This indicator may not fully reflect the reality of lower-income households and small sample sizes can distort the results.

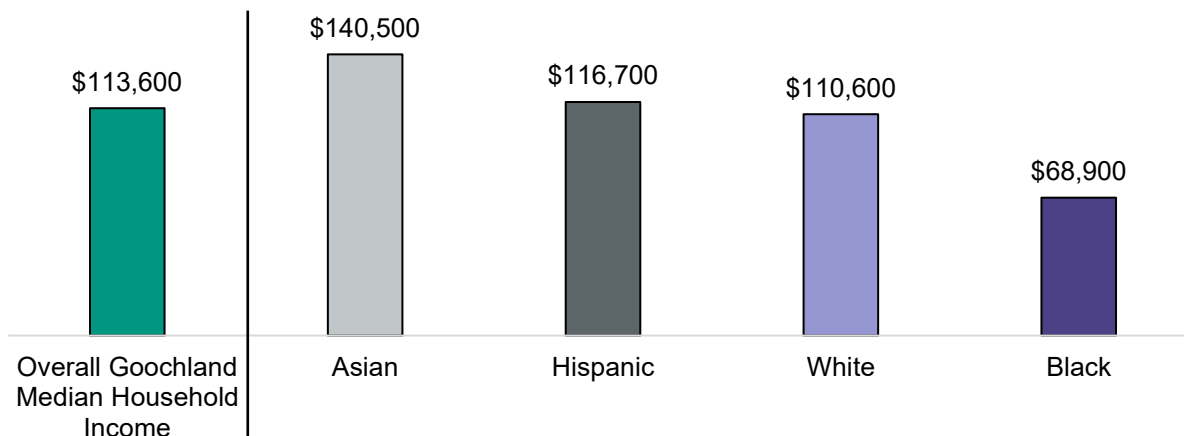


FIGURE 28: MEDIAN HOUSEHOLD INCOME DISAGGREGATED BY RACE, 2018-2022

Living Wage

This indicator reports the hourly wage needed to cover basic household expenses plus all relevant taxes of one adult and two children. The costs of many elements of the basic needs budget are based on market-derived data which vary according to geographic region. In Goochland County, workers would need an hourly wage of \$50.85 to cover basic household expenses for a household of one adult and two children. In Virginia, the hourly living wage increases to \$51.81 as of 2023 (Figure 29).⁽¹⁶⁾

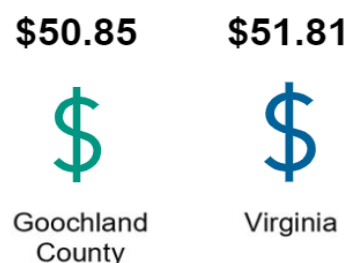


FIGURE 29: LIVING WAGES (HOURLY), 2023

Unemployment

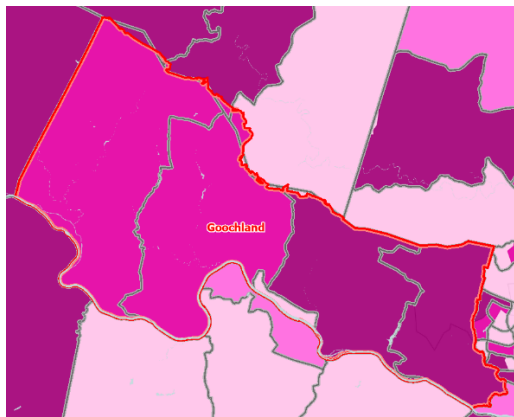
In 2022, the Bureau of Labor Statistics reported 2.7% of people in Goochland County aged 16 and older were unemployed but seeking work. This is lower than Virginia (2.9%) and the U.S. (3.7%). This indicator is relevant because unemployment creates financial instability and barriers to accessing insurance coverage, health services, and healthy food. An overall decrease in unemployment was observed across Goochland, Virginia, and the United States from 2020 to 2022.⁽¹⁶⁾

Poverty – Population Below 100% of the Federal Poverty Level (FPL)

In 2018-2022, Goochland County had 1,009 individuals, or 4.2% of the population lived in households with an income below the Federal Poverty Level (FPL). This rate is lower than Virginia (10.0%) and the U.S. (12.5%). This indicator is relevant because poverty creates barriers to accessing health services, healthy food, and other necessities that contribute to poor health status.⁽³⁴⁾

Income Inequality (GINI Index)

This indicator reports income inequality using the GINI index which is a statistical tool that measures the inequality of wealth among populations. GINI index values range from 0 to 1. A value of 1 indicates perfect inequality where only one household has any income. A value of 0 indicates perfect equality where all households have equal income. In 2018-2022, Goochland County reported a GINI index value of 0.4929 which is slightly higher than Virginia (0.4724) and the U.S. (0.4829).⁽³⁴⁾ Figure 30 shows the differences between GINI index values in the census tract in Goochland.



Income Inequality (GINI), Index Value by Tract, ACS 2018-22

- Over 0.460
- 0.431 - 0.460
- 0.401 - 0.430
- Under 0.401
- No Data or Data Suppressed
- Goochland County, VA

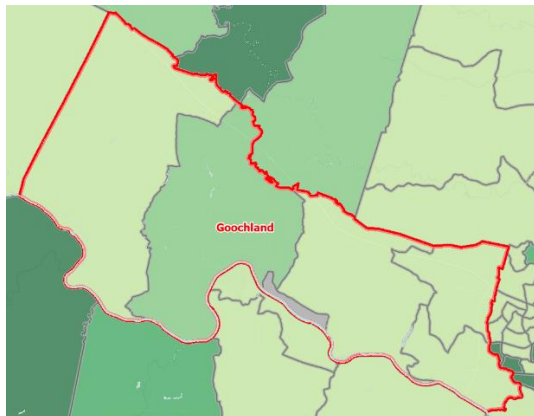
FIGURE 30: INCOME INEQUALITY BY CENSUS TRACT, 2018-2022

Children in Poverty

In 2022, 8.0% of children under the age of 18 were living in poverty in Goochland County, according to the U.S. Census Bureau, Small Area Income and Poverty Estimates (SAIPE). This is lower than Virginia (13.0%) and the U.S. (16.0%). This indicator is relevant because children in poverty may experience lasting effects on academic achievement, health, and income into adulthood. (16)

Children in Single-Parent Households

This is a self-reported indicator that shows the percentage of children (0-17 years) living in households that are headed by a single parent. In Goochland County, 16.1% of children under 18 were living in single-parent households between 2018-2022. This indicator is lower than Virginia (23.64%) and the U.S. (24.93%). Figure 31 shows single parent households with children under 18 by census tract during that same period. (34) Knowing the percentage of children living in single-parent households helps identify areas of vulnerability to address social and economic challenges faced by families.



Single Parent Households with Children (Age 0-17), Percent by Tract, ACS 2018-22

- Over 38.0%
- 32.1 - 38.0%
- 26.1 - 32.0%
- Under 26.1%
- No Households with Children Reported
- No Data or Data Suppressed
- Goochland County, VA

FIGURE 31: SINGLE PARENT HOUSEHOLDS BY CENSUS TRACT, 2018-2022

Reading Scores

This indicator shows the average grade level performance for 3rd graders on English Language Arts standardized tests. In Goochland County, the average grade level performance for 3rd graders on the standardized tests was 3.3, which is higher than Virginia (3.2) and the U.S. (3.1) averages. When disaggregated by race, the standardized test performance of Black students

was 2.6, while the performance of White students was 3.5. A score of 3.0 indicates students performed at grade-level. ⁽¹⁶⁾

Social Associations

In 2021, there were 13.7 membership organizations per 10,000 people in Goochland County, which is higher than Virginia (11.0) and the U.S. (9.1). This indicator reports the number of social associations per 10,000 population. Associations include membership organizations such as civic organizations, bowling centers, golf clubs, fitness centers, sports organizations, political organizations, labor organizations, business organizations, and professional organizations. ⁽¹⁶⁾

Injury Deaths

In 2023, Goochland County had 84.6 deaths per 100,000 residents due to accidents or injuries. The data reported by county is where the person lived at the time of death. It is not based on where the death occurred. All injury deaths include drug poisonings (overdoses). This indicator reports higher rates than Virginia (80.3).^(34,35)

Motor Vehicle Crash Deaths

This indicator reports the 2018-2022 five-year average rate of death by motor vehicle crash per 100,000 population, which includes collisions with another motor vehicle, a non-motorist, a fixed object, and a non-fixed object, an overturn, and any other non-collision. In Goochland County, there were 13.0 deaths from motor vehicle crashes per 100,000 people, which is higher than Virginia (11.0) and the U.S. (12.5) death rates (Figure 32). This indicator is relevant because motor vehicle crash deaths are preventable, and they are a cause of premature death. ⁽³⁴⁾

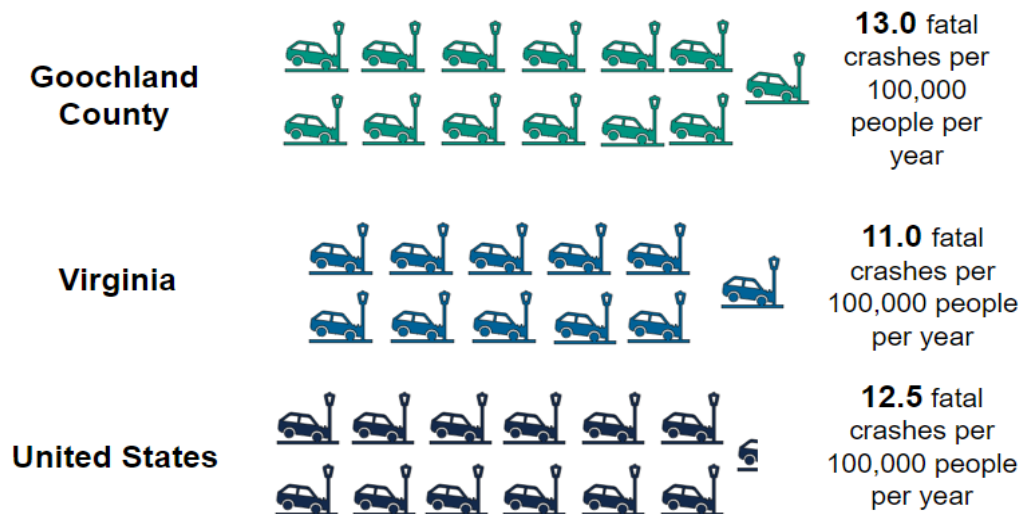


FIGURE 32: MOTOR VEHICLE CRASH DEATH RATES, 2018-2022

Suicides

This indicator reports the 2018-2022 five-year average of death due to suicide per 100,000 population. Within Goochland County, there were a total of 26 deaths due to suicide which represents a death rate of 21.2 per every 100,000 total population compared to Virginia (13.9) and the U.S. (14.5) (Figure 33).⁽³⁴⁾ Suicide risk is influenced by various factors, some increasing the risk and others offering protection. It's closely linked to violence, with individuals who have experienced trauma such as child abuse, bullying, or sexual violence facing a heightened risk.

Conversely, strong family and community support, along with readily accessible healthcare, can significantly reduce suicidal thoughts and behaviors.⁽³⁵⁾

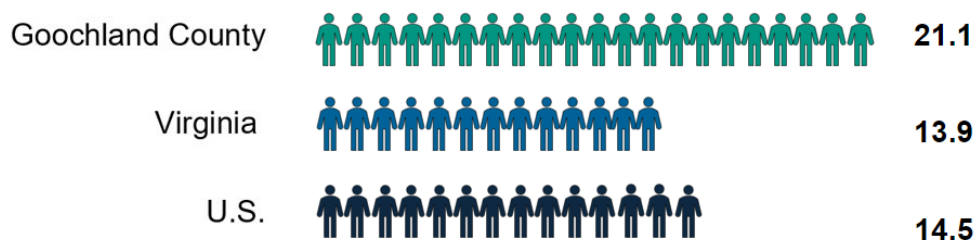


FIGURE 33: SUICIDE RATE PER 100,000 POPULATION, 2018-2022

Firearm Fatalities

In Goochland County, there were 11.0 firearm-related deaths per 100,000 in 2023. This is lower than Virginia at 14.2 deaths per 100,000 population in the same year. Gun violence constitutes a major cause of premature death in the United States. Firearm-related fatalities, a significant public health concern, are largely preventable. Suicides (54%) and homicides (43%) account for most of these deaths. Research indicates a strong correlation between the availability of firearms in homes and fatal suicide attempts. Moreover, state-level gun ownership rates have been shown to significantly impact both firearm-related and overall homicide rates.^(16,35)

Physical Environment

Homeownership

In Goochland County, between 2018-2022, 85.0% of housing units were owner-occupied, which is higher than Virginia (67.0%), and the U.S. (65.0%) as shown in Figure 34. Housing is crucial to living long and well. Stable and affordable housing is a fundamental element of healthy communities. Homeownership is associated with better health, fewer illnesses, and lower rates of depression and anxiety.⁽¹⁶⁾

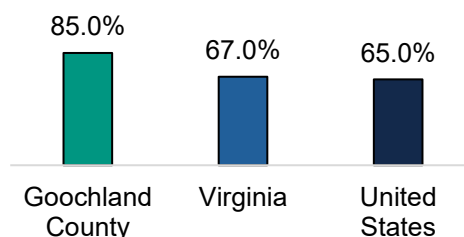


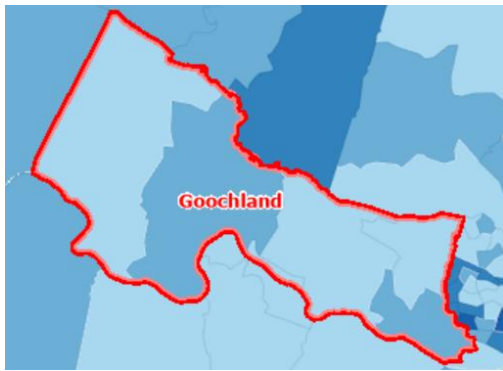
FIGURE 34: HOMEOWNERSHIP, PERCENT, 2018-2022

Housing Quality – Severe Housing Problems

Between 2016-2020, 9% of households in Goochland County experienced at least one of these four severe housing problems: 1) overcrowding (with one or more occupants per room); 2) lack of plumbing facilities; 3) lack of kitchen facilities; and 4) severe housing cost burden (monthly owner costs as a percentage of household income greater than 50%). Goochland County has less severe housing problems than Virginia (14%) and the U.S. (17%).⁽¹⁶⁾

Cost Burdened Households

The U.S. Census Bureau, American Community Survey 2018-2022, reports this indicator as the percentage of the households where housing costs are 30% or more of total household income. Of the 9,788 total households in Goochland County, 1,959 or 20.0% of the population live in cost-burdened households. This is lower than Virginia (28.2%) and the U.S. (30.5%).⁽³⁶⁾ Figure 35 shows a map of cost-burdened households by census tract.⁽³⁶⁾



Cost Burdened Households (Housing Costs Exceed 30% of Household Income), Percent by Tract, ACS 2018-22

- Over 35.1%
- 28.1 - 35.0%
- 21.1 - 28.0%
- Under 21.1%
- No Data or Data Suppressed
- Goochland County, VA

FIGURE 35: MAP OF COST BURDENED HOUSEHOLD BY CENSUS TRACT

Severe housing cost burden is the percentage of households that spend 50.0% or more of their household income on housing. In Goochland County, 8.0% of households spent half or more of their income on housing. This is lower than Virginia (13.0%) and the U.S. (14.0%) as shown in Figure 36.⁽¹⁶⁾

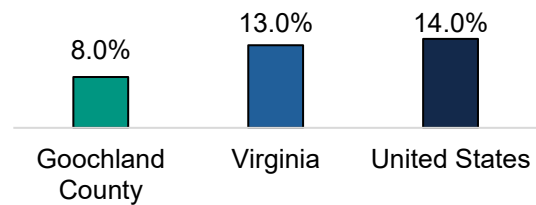


FIGURE 36: SEVERE COSTING HOUSE BURDEN, PERCENT

Broadband Access

This indicator reports the percentage of households with broadband internet connection between 2018-2022. In Goochland County, 89.0% of households had a broadband internet connection, which is the same as Virginia (89.0%) and slightly higher than the U.S. (88.0%) (see Figure 37). Although broadband access has increased in the county, there is still room for improvement.⁽¹⁶⁾ Broadband internet access is important because it facilitates telehealth appointments, access to health information, remote learning, and social connections.

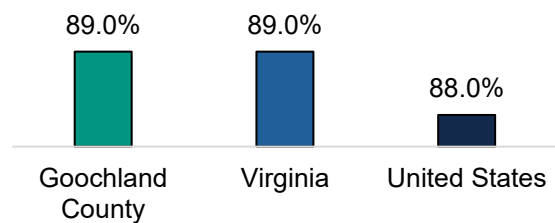


FIGURE 37: BROADBAND ACCESS, PERCENT

Driving Alone to Work

This indicator shows the method of transportation workers used to travel to work for Goochland County from 2018-2022. Of the 11,326 workers aged 16 and older, 77.3% drove to work alone while 4.9% carpooled. No workers reported that they used some form of public transportation, while others used some optional means including 0.8% walking or riding bicycles, and 0.4% used taxicabs to travel to work. ⁽³⁶⁾ Figure 38 shows a map of worker who drive to work along by census tract.

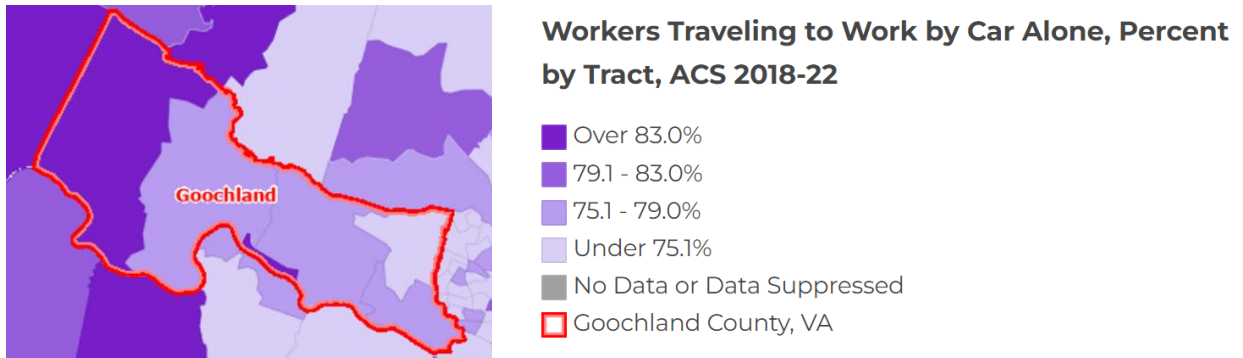


FIGURE 38: MAP OF WORKERS TRAVELING TO WORK (BY CAR) BY CENSUS TRACT, 2018-2022

Additionally, the differences in the method of transportation between racial groups are shown in Figure 39. Of the workers who identify as Asian, 95.0% report driving to work alone, followed by White workers (79.0%), and Black workers (77.0%).⁽¹⁶⁾

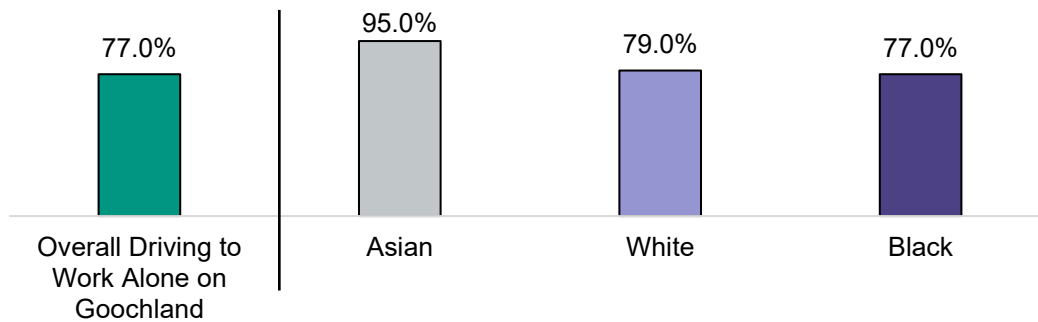


FIGURE 39: TRAVELING TO WORK BY CAR (DISAGGREGATED BY RACE), 2018-2022

Long Commute- Driving Alone

This indicator reports the percentage of the population that commutes alone to work for over 30 minutes. Between 2018-2022, 51% of Goochland County workers commute more than 30 minutes. This is higher than Virginia (40%), and the U.S. (36%).⁽¹⁶⁾ Since the county is mostly rural with limited public transportation options, many people spend more time driving alone to work.

Air Pollution – Particulate Matter

This indicator is a measure of the fine particulate matter in the air, and it is reported as the average daily density of fine particulate matter in micrograms per cubic meter. Fine particulate matter is defined as particles of air pollutants with an aerodynamic diameter less than 2.5 micrometers (PM_{2.5}). In Goochland County, an annual average of 8.0 micrograms per cubic meter of fine particulate matter was measured in the air in 2019, which is lower than Virginia (7.3) and the U.S. (7.4). The Environmental Protection Agency (EPA) has primary annual average standards of 12.0 micrograms per cubic meter. Goochland County’s annual average has improved over the last two decades according to the Environmental Public Health Tracking Network as shown in Figure 40.⁽¹⁶⁾

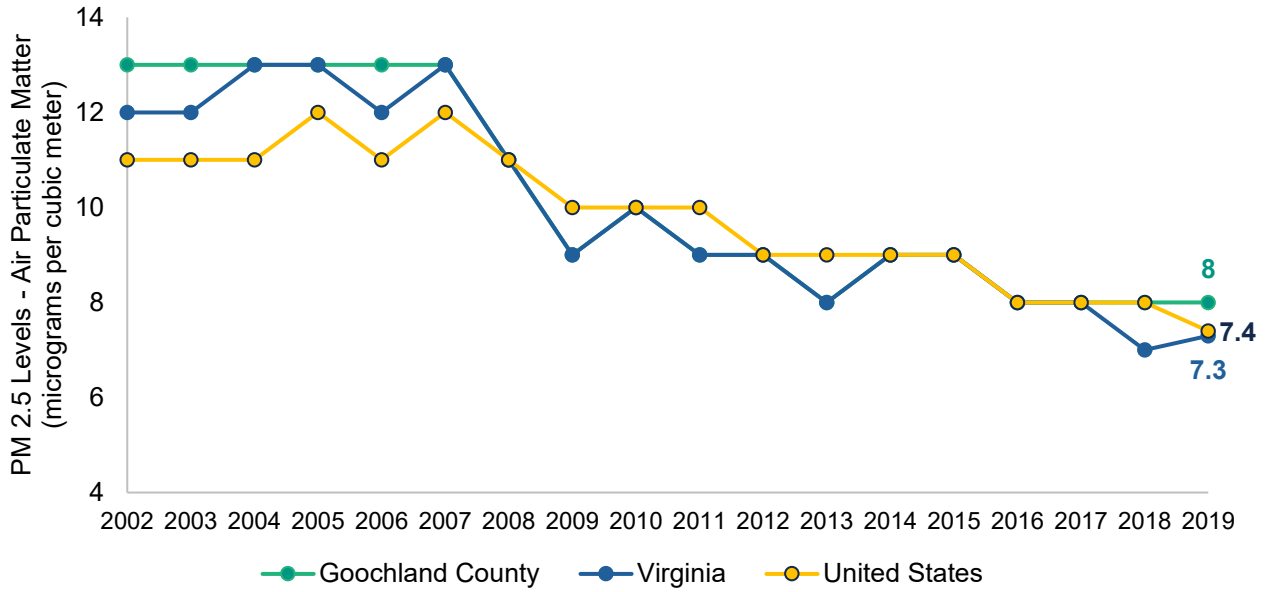


FIGURE 40: AIR POLLUTION – PARTICULATE MATTER, AVERAGE DAILY DENSITY OF FINE PARTICULATE MATTER IN MICROGRAMS PER CUBIC METER



Photo Courtesy of Goochland County

Qualitative Data

Key Informant Interviews

Overview

Key Informant Interviews (KIIs) were conducted to better understand the challenges and opportunities facing the community. These interviews provided valuable insights into current issues and priorities from the perspectives of community members and stakeholders.

Methodology

Three KIIs were conducted using a set of questions, which can be found in Appendix A. Following the interviews, notes were reviewed and analyzed. The data was then analyzed using NVivo, a qualitative analysis software, to identify key themes and patterns. A summary report was generated from the findings and the overarching health topics were highlighted.

Results

The main themes that came from the analysis of the KIIs were:

1. The impact of rising costs on essential workers and community stability
2. Healthcare access and the role of local initiatives
3. Affordable housing shortage and its effect on family and community dynamics
4. Mental health
5. Transportation limitations affecting access to services and community life



Photo Courtesy of Goochland County

Community Conversations

Overview

During July and August 2024, the Chickahominy Health District facilitated four community conversations to explore community health topics. These sessions provided an opportunity to gather insights into the community's strengths, resources, and areas for improvement related to health and well-being.

Methodology

The community conversations were held at four locations: the Friendship Café at YMCA, Goochland Rotary Club, Goochland Recreation Center, and the Goochland Health Department. The notes from these sessions were carefully reviewed and analyzed using NVivo, a qualitative analysis software, to identify recurring themes and health-related topics. The questions used during the community conversations are provided in Appendix B. While not all questions were asked in every session, they served as a framework to guide and facilitate meaningful conversations within the groups.

Results

Approximately 40 individuals participated in the community conversation at the Friendship Café, 12 at the Rotary Club, 15 at the recreation center, and 2 at the Goochland County Health Department. The analysis revealed the following key themes and health topics from all of the community conversations:

1. Community unity and community care
2. Barriers to healthcare access: primary, mental, and dental care
3. Impact of internet limitations on healthcare and education
4. Challenges of affordable housing and multigenerational living
5. Transportation gaps and their impact on access to services
6. Gaps in awareness and communication of available resources



Photo Courtesy of Goochland County

Community Health Input Session

Overview

On September 24, 2024, from 5:00 p.m. to 7:00 p.m., the Chickahominy Health District hosted a Community Health Input Session to gather feedback and insights from Goochland County residents. This event aimed to share recently collected health data and facilitate discussions on health topics that impact the quality of life in the community. Participants engaged in identifying and prioritizing health issues to address over the next five years.

Session Structure

The session included three interactive stations focusing on the following topics:

1. Where We Live (Environment)
2. How Well We Live (Quality of Life)
3. How Long We Live (Length of Life)

Each station shared health indicator data alongside quotes from Key Informant Interviews (KIIs) and community conversations that aligned with the indicators. Participants were encouraged to discuss the information, provide feedback via a Data Handout (Appendix D), and annotate their questions and comments. The Community Health Epi compiled the results from the feedback and data questions as shown in Appendix E.

Before the session concluded, attendees completed a Ranking Health Topics Worksheet to prioritize 16 key health issues (see Appendix C). Door prizes and light snacks were provided, and participants had the option to attend an additional focus group after the Community Health Input Session.

Results

After the session, the Community Health Epidemiologist analyzed the rankings, calculating scores for the 16 health topics. Since rankings were scored from 1 (highest priority) to 16 (lowest priority), the issues with the lowest scores were identified as the most important. The top eight health priorities identified were:

1. Healthcare Access and Quality
2. Mental Health
3. Aging Population Support and Services
4. Affordable, Safe, and Available Housing
5. Family and Social Support
6. Chronic Diseases (cancer, diabetes, heart disease)
7. Physical Activity and Healthy Eating
8. Oral Health

Choosing Health Priorities

Overview

On December 11, 2024, the Goochland Community Partners meeting was held virtually via Teams. The purpose of this meeting was to identify the top three priorities for the Goochland County Community Health Improvement Plan (CHIP) for 2025–2029.

Meeting Structure

The meeting included a review of key findings from the Focus Groups, Key Informant Interviews, and the top eight health issues identified during the Community Health Input Session. Health indicators and quotes from the Focus Groups, KIIs, and Community Input Session were presented to provide context for each topic. Participants engaged in a prioritization activity to finalize the top priorities. Each attendee was given \$1,000 in virtual currency to allocate to the health issues they deemed most important. This exercise facilitated a collaborative decision-making process to identify the top three health priorities.

Results

The top three priorities for the 2025–2029 Goochland CHIP were:

Health Priority 1: Aging Population Support and Services



Health Priority 2: Mental Health



Health Priority 3: Affordable, Safe, and Available Housing



Conclusion

The CHA informs the next phase of this cyclical process – the Community Health Improvement Plan (CHIP). The CHIP will be action-oriented with measurable goals, objectives, and strategies. It will involve planning and implementing programs, policies, and/or activities over the next five years (2025-2029) to provide or connect resources and tools that can positively impact the community's well-being and Goochland County's top three priorities: **1) Aging Population Support and Services; 2) Mental Health; and 3) Affordable, Safe, and Available Housing.**

To learn more about this report or to inquire about being part of the Goochland County CHIP process, please email the Chickahominy Health District: CHDWellness@vdh.virginia.gov.

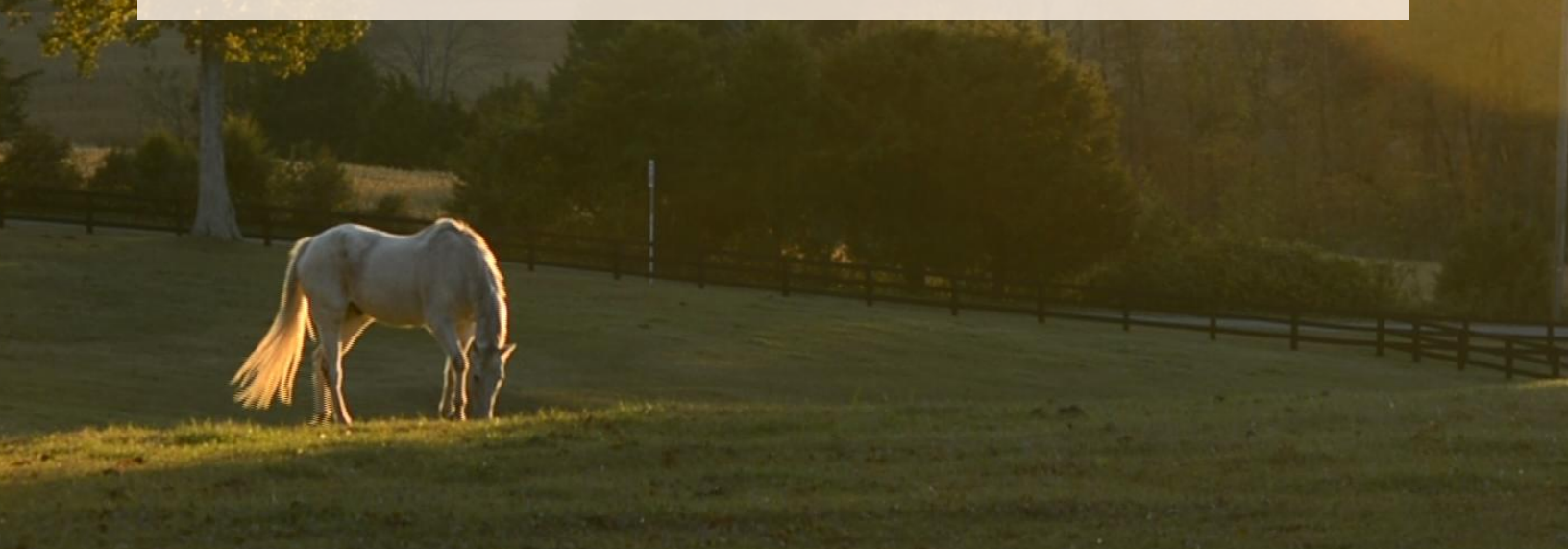


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Glossary

Assessment

The regular collection, analysis, and sharing of information about health conditions, risks, and resources in a community.

CDC

The Centers for Disease Control and Prevention (CDC) is part of the U.S. Department of Health and Human Services. It provides federal leadership and funding in the prevention and control of diseases.

Community conversation

A group discussion where people come together to discuss issues of local or broader concern.

Community Health Assessment (CHA)

Community health assessment calls for regularly and systematically collecting, analyzing, and making available information on the health of a community, including statistics on health status, community health needs, epidemiologic, and other studies of health problems.

Community Health Improvement Plan (CHIP)

Focuses on the combined effects of individual and community, physical and social environments, and the policies and interventions used to promote health, prevent disease, and ensure access to quality health care. A CHIP is used to guide partners and help move them towards accomplishing the goals, objectives, and strategies listed in the action plan.

Decennial Census

A census conducted by the U.S. Census Bureau every 10 years to count the number of people living in the United States.

Disability

Having a physical or mental impairment that substantially limits one or more major life activities.

Disaggregated data

To separate data into separate parts.

Disease

A state of dysfunction of organs or organ systems that can result in diminished quality of life.

Ethics

Moral principles that govern a person's behavior or the conducting of an activity.

Food insecurity

The household-level economic and social condition of limited or uncertain access to adequate food.

Health

The state of complete physical, mental, and social well-being, and not merely the absence of disease or infirmity.

Health disparities

Population-specific differences in the presence of disease, health outcomes, or access to health care.

Health equity

All members within the population have the opportunity to attain their highest level of health.

Health indicator

A health indicator is a measure that reflects, or indicates, the state of health in a defined population, such as the infant mortality rate.

Health outcomes

Health outcomes are changes in health that result from measures or specific health care investments or interventions.

Health-related quality of life (HRQoL)

Health-related quality of life is an individual's or a group's perceived physical and mental health over time.

Health status

The current state of a given population using a variety of indices, including morbidity, mortality, and available health resources.

Incidence

The number of new cases of an event in a defined population, occurring within a specified period of time.

Injury

Injuries can be classified based upon the intent or purposefulness of occurrence into two categories: 1) intentional; and 2) unintentional injuries. Intentional injuries are ones that are purposely inflicted and often associated with violence. These include child abuse, domestic violence, sexual assault, aggravated assault, homicide, and suicide. Unintentional injuries include only those injuries that occur without intent of harm and are not purposely inflicted.

Intervention

Used in public health to describe a program or policy designed to have an effect on a health problem.

Key informant interview

A qualitative, in-depth interview with a community expert who has first-hand knowledge about a specific topic.

Life expectancy

Average expected length of life for a group of people, of a particular age, chosen at a particular time.

Medicaid

A government assistance program that provides health insurance coverage. The program is administered by states, according to federal requirements. The program is funded jointly by states and the federal government.

Medicare

Medicare is federal health insurance for people 65 or older, some younger people with disabilities, people with End-Stage Renal Disease.

Methodology

A body of methods, rules, and postulates employed by a discipline; a particular procedure or set of procedures.

Morbidity

A measure of disease incidence or prevalence in a given population, location or other grouping of interest.

Mortality

A measure of deaths in a given population, location, or other grouping of interest.

NVivo

NVivo is software that supports qualitative and mixed methods analysis of textual and audiovisual data source.

Premature death

Death that occurs before the average age of death in a certain population.

Prevalence

The number of cases of a disease, infected people or people with some other attribute present during a particular interval of time.

Population density

the number of people living in each unit of area (such as a square mile)

Population health

Approach to health that aims to improve the health of an entire population.

Qualitative data

Data collected often by open-ended inquiry methods that includes insights into perceptions, values, opinions, and community norms.

Quantitative data

Data that can be measured numerically. Risk factors social, economic, biological status, behaviors, or environments associated with increased susceptibility to disease.

Uninsured

A person is uninsured if they are currently not covered by insurance through a current/former employer or union, purchased from an insurance company, Medicare, Medicaid, Medical Assistance, any kind of government-assistance plan for those with low incomes or disability, TRICARE or other military health care, Indian Health Services, VA, or any other health insurance or health coverage plan.

Social determinants of health

Direct causes and risk factors which, based on scientific evidence or theory, are thought to directly influence the level of a specific health problem.

Stakeholders

Stakeholders are individuals and organizations that have an interest in or are affected by evaluation and/or its results.

Appendices

Appendix A: Key Informant Interview Questions

Key Informant Interview Questions

1. When considering the health and well-being of Goochland County, what do you consider to be strengths/assets and challenges/barriers?
2. Does your organization address any of the following five topics: mental health access, dental care access, internet access, housing, or transportation?
3. If the answer is yes, please state which topics and explain how your organization addresses them.
4. Are you aware of any new health priorities or topics impacting the health of the Goochland community?
5. What is the readiness of the Goochland community to support mental health for its various populations?
6. Are there any gaps in services that need expansion or improvement so the Goochland community can better support access to mental health care?
7. Are you aware of any initiatives that are happening now or in the near future to improve the health and well-being of the Goochland community?
8. Are you aware of any initiatives to improve access to mental health care in Goochland County and/or the surrounding area? If yes, what are the strengths of these existing initiatives?
9. What additional resources does your organization need to fulfill your goals when addressing mental health?
10. How do you perceive the level of internet access that the Goochland community currently has?
11. Does Goochland Schools have a dental clinic?
12. Has broadband access increased over the last 5 years?
13. What are some factors that might prevent members of the Goochland community from having access to internet?
14. In your understanding, are there any areas within Goochland County that lack quality access to internet more than others?
15. Have you observed an overall improvement or decline in the quality of life for Goochland community members in the past five years? Please elaborate on your answer.
16. In your understanding, does the cost of living operate as barrier to quality housing for any Goochland community members?
17. Are there any populations within Goochland County that struggle more with access to quality, affordable housing? If so, which populations?
18. In your understanding, do most Goochland County residents require a personal mode of transportation for basic necessities, such as doctor's visits and grocery shopping?
19. Are there any areas or populations within Goochland County that require more support with transportation? Where and who?
20. Do you consider any parts of Goochland County to be walkable? If yes, where?
21. Is there anything else you would like to share with us?

Appendix B: Community Conversations Questions

Focus Group Questions

Transportation

1. How would you describe transportation in Goochland County?
2. What public transportation options are there?
3. From your experience, what public transportation options are or aren't ADA compliant?
4. What parts of Goochland could be better served by public transportation?
5. What major routes or roads would be accessible by public transportation?
6. How else could Goochland improve transportation options?
7. What impact does Goochland's transportation options have on the county and its residents?
 - a. What are the **economic** impacts?
 - b. What are the **social** impacts?
 - c. What are the **health** impacts?

Question from Key Informant Interview:

8. Do you consider any parts of Goochland County to be walkable? If yes, where?

Internet Access

1. What options do Goochland County residents have for internet access?
2. What experiences have you had with limited Internet access?
3. Are there parts of Goochland with limited Internet access?
4. How could private internet access be improved? What about public access (e.g. at the library, other public spaces) to the internet?
5. What would be the **minimum** acceptable level of internet access that you would consider an improvement (e.g. what percentage of Goochland residents should have private internet? What about access to public internet?)?
6. What impact does limited internet access have on Goochland and its residents?
 - a. What are the **economic** impacts?
 - b. What are the **social** impacts?
 - c. What are the **health** impacts?

Question from Key Informant Interview:

7. Are there any populations that particularly struggle with access to internet? If so, which populations?

Housing Affordability

1. What does housing affordability look like for people who own their homes?
2. What does housing affordability look like for people who rent their homes?
3. What kinds of people are landlords in Goochland? Are they individuals? Corporations? What kinds of relationships do renters typically have with their landlords?
4. What are some options for improving access to affordable housing in Goochland?
5. Would Goochland residents be open to rent-capped properties?
6. What impact does a lack of affordable housing have on Goochland and its residents?
 - a. What are the **economic** impacts?
 - b. What are the **social** impacts?
 - c. What are the **health** impacts?

Question from Key Informant Interview:

7. Are there any areas within Goochland County that feature more housing with substandard conditions than others? If so, which areas?

Mental Healthcare Access

1. What does mental healthcare look like in Goochland? What in-person services are there? What telehealth services are available?
2. How could mental healthcare access be improved? Are there policy or other changes that could be made?
3. Why do you think there is limited mental healthcare access?
4. What impact does limited mental healthcare access have on Goochland and its residents? What does that look like for children? Families? Seniors?
5. Who do you think is **most** impacted by mental healthcare access in Goochland?
6. What mental healthcare services could most easily be added to Goochland? How?
7. What other factors might improve mental healthcare services?
8. What could incentivize more mental healthcare providers to service Goochland?

Question from Key Informant Interview:

9. Have you observed an overall improvement or decline in the mental health of the Goochland community in the past five years? Please elaborate on your answer.

Oral Healthcare Access

1. What does oral healthcare look like in Goochland? What in-person services are there? Are there dental telehealth options?
2. How could oral healthcare access be improved? Are there policy or other changes that could be made?
3. Why do you think there is limited oral healthcare access?
4. What impact does limited oral healthcare access have on Goochland and its residents? What does that look like for children? Families? Seniors?
5. Who do you think is **most** impacted by oral healthcare access in Goochland?
6. What oral healthcare services could most easily be added to Goochland? How?
7. What other factors might improve oral healthcare services?
8. What would attract more oral healthcare providers to the area?

Question from Key Informant Interview:

9. Have you observed that insurance coverage operates as a barrier to accessing dental care for Goochland County community members?

Appendix C: Ranking Worksheet from Community Input Session

Ranking Health Topics Worksheet

Goochland County Community Input Session | Sept. 24, 2024

Review the detailed list of the health issues below. Each health issue is described on page 2. After reviewing each health issue carefully, please rank the issues discussed today **individually** (1-16, with **1** being the **most important** to address in Goochland County and **16** being the **least important**). Once finished, please return to one of the facilitators. If you're not able to complete this in-person, send it via email to CHDwellness@vdh.virginia.gov by Sept. 27, 2024.

Health Issues	Ranking (1-16)
Affordable, Safe and Available Housing	_____
Aging Population Support and Services	_____
Broadband Access	_____
Chronic Diseases (Cancer, Diabetes, Heart Disease)	_____
Early Childhood Development	_____
Economic Stability and Workforce Development	_____
Environment and Safe Neighborhoods	_____
Family and Social Support	_____
Healthcare Access and Quality	_____
Infectious Diseases	_____
Maternal, Infant and Child Health	_____
Mental Health	_____
Oral Health	_____
Physical Activity and Healthy Eating	_____
Substance Use	_____
Transportation Options	_____

Use this space to add any other health topics you'd like to bring up or other comments:

Description of Health Issues

1. **Affordable, Safe, and Available Housing:** (including but not limited to: percent of people with severe housing problems, percent of population owning a home, people spending 30-50% or more of their income on housing (housing cost burden), limited housing inventory, homelessness, shortage of rental homes/apartments, cost of home modifications/repairs)
2. **Aging Population Support and Services:** (including, but not limited to: social association, isolation, Alzheimer's/Dementia, overall cognitive decline, hearing and vision impairment, caregiving, screenings and vaccinations, hospitalizations, crime targeting older adults, elder abuse, lack of nursing homes and home care services, resources to age in your home)
3. **Broadband Access** (including, but not limited to: high quality and affordable internet services, ability to complete telehealth, ability to do homework and job tasks, and find updated information/resources easily)
4. **Chronic Diseases (Cancer, Diabetes, Heart Disease):** (including, but not limited to: cancer rates, cancer screening rates, heart disease, stroke, high blood pressure, overweight and obesity, diabetes, leading causes of death, obesity/overweight)
5. **Early Childhood Development:** (including, but not limited to: children in poverty, childhood literacy rates, childhood lead exposures, cost and quality of childcare, childcare availability, early childhood interventions, preschool, childhood asthma rates, school funding adequacy)
6. **Economic Stability and Workforce Development:** (including, but not limited to: cost of living, population living in poverty, median income, employment status, major employers in the area, housing (owners, renters, costs, substandard, age-restricted communities, mixed income neighborhoods, Gini Index -income inequality, transportation options/cost of a personal vehicle, internet access)
7. **Environment and Safe Neighborhoods:** (including, but not limited to: air quality/pollution, water quality, septic systems and wells (private and public), lead exposure, chemical runoff/groundwater pollution, infrastructure/buildings, parks/green space, rural/farm land, Area Deprivation Index)
8. **Family and Social Support:** (including, but not limited to: knowledge of resources and services available for all (veterans, older adults, low-income, etc.), caregiver support, intergenerational programs, parent engagement and involvement, social groups/associations/opportunities for all ages, social needs navigation)
9. **Healthcare Access and Quality:** (including but not limited to: health insurance coverage, Medicaid, home health agencies, nursing homes, access to affordable preventive services, hospital utilization and number of hospitals, preventable hospital events, access to resources for disabilities, asthma related hospitalizations, readmissions)
10. **Infectious Diseases:** (including, but not limited to: COVID-19 and COVID-19 recovery, STDs, AIDS/HIV, Hep C, immunizations, emergency preparedness and response to communicable diseases)
11. **Maternal and Infant Health:** (including, but not limited to: uninsured children, Mothers with No or Late Prenatal Care, Infant Mortality Rate, Teen Births)
12. **Mental Health:** (including, but not limited to: access to care, number of MH providers, social isolation, depression, resources for all ages (children and adults), suicide rates/suicide prevention, disabilities (mental/developmental), frequent mental distress)

- 13. Oral Health:** (including, but not limited to: lack of dental providers, limited access to dental screenings and cleanings, school-based dental programs, fluoride treatment access, improve affordability of dental care)
- 14. Physical Activity and Healthy Eating:** (including, but not limited to: recreation opportunities, exercise opportunities, fruit and vegetable consumption, food deserts, food insecurity, self-reported physical inactivity, access to food assistance programs, obesity/overweight, Frequent physical distress)
- 15. Substance Use:** (including, but not limited to: lack of recovery services and support, alcohol consumption/abuse, prescription drug abuse, use of nicotine products, opioid and drug overdoses, marijuana, fentanyl, Substance Use Disorder Hospitalizations, Alcohol - Impaired Driving Deaths, Drug Overdose Hospitalizations)
- 16. Transportation Options:** (including, but not limited to: traffic/roads, infrastructure, walkability/cycling, transportation options, commuting patterns, motor vehicle mortality, vehicle-pedestrian accidents, motor vehicle crashes, access to care and resources)

Appendix D: Community Health Input Session Data Handout

Station 1 – WHERE WE LIVE

- 1. What surprises you about the information? Anything?**
- 2. What data point do you want to know more about, or have VDH research more deeply?**
- 3. How does the data align with your own experiences or knowledge of the issue?**

Station 2 – HOW WELL WE LIVE

- 1. What surprises you about the information? Anything?**
- 2. What data point do you want to know more about, or have VDH research more deeply?**
- 3. How does the data align with your own experiences or knowledge of the issue?**

Station 3 – HOW LONG WE LIVE

- 1. What surprises you about the information? Anything?**
- 2. What data point do you want to know more about, or have VDH research more deeply?**
- 3. How does the data align with your own experiences or knowledge of the issue?**

Appendix E: Data Handout Response Results from the Community Health Input Session

Category 1: Parks and Recreation

1. Contact Goochland P&R to ask for their "data" - number of parks, recreation programs/opportunities, their measurable impact on the community.

DATA: # of parks: 8 – [Parks & Facilities | Goochland County, VA - Official Website](#)

1. **Goochland Sports Complex (GSC)** – offers various sports facilities and a library.
2. **Leakes Mill Park (LMP)** - Leakes Mill Park is a 176-acre facility located approximately three miles west of the Goochland Courthouse area. The park features three fully irrigated multi-use Bermuda athletic fields, a concession/restroom facility, two picnic shelters, and a large playground.
3. **Hidden Rock Park (HRP)** - Hidden Rock Park is a 60-acre facility that serves as home to Goochland Youth Athletic Association's baseball and softball programs. The park is also home to Parks and Recreation adult sponsored athletic leagues.
4. **Central High School Complex (CHS)** - The Central High Complex consists of both indoor and outdoor public recreational amenities.
5. **Tucker Park (MP)** - Tucker Park at Maidens Crossing is a 36-acre facility located along 1,200 feet of the James River. The park is home to many amenities that provide a quality experience along the river.
6. **Matthews Park** – A recreational area that features picnic areas and shelters, playground, and trails.
7. **Reynolds Complex (RRC)** - A 5-acre facility located on the Reynolds Community College- Goochland Campus maintained and operated by Parks, Recreation and Facilities. The facility includes a partially-lit baseball/softball field and 3 fully-lit tennis courts. Tennis court lights are operational through the use of a coin operated lighting system. Access to a fishing pond and picnic areas are available.
8. **Boat Launches** - Open River James River Public Boat Launches - Goochland and Powhatan Sides

Category 2: Air Quality, Obesity, and Food Access

2. Look up: Why are particulates so high (air pollution) in Goochland?

DATA: Particulates in Goochland are still lower than the EPA's standard of 12 micrograms per cubic meter [Air Pollution - Particulate Matter | County Health Rankings & Roadmaps](#). Although it was reported that it is slightly higher than the state of Virginia, that could be attributed to the agricultural business.

3. Look up: more data on obesity and access to healthy foods.

DATA: In Goochland County, Virginia, 34% of adults had a BMI of 30 or greater. The rate was the same in Virginia and the United States. Goochland County, Virginia scored 9.6 out of a possible 10 on the food environment index, which includes access to healthy foods and food insecurity. The average value across the country was 7.7.

Definition: Index of factors that contribute to a healthy food environment, from 0 (worst) to 10 (best). [Food Environment Index | County Health Rankings & Roadmaps](#)

Category 3: Community Behavioral Health and Mental Health Resources

1. Look up: Have any CCBHC in Goochland?

DATA:

Clinic Name	State	State-Certified or Demonstration CCBHCs	CCBHC Grants
Richmond Behavioral Health Authority	VA	n/a	1
Totals:		Total: n/a	Total # of grants: 1

This seems to be the only one in Virginia.

2. Ask CSB about MH resources in the county.

DATA: [Resources - Goochland Powhatan Community Services](#)

3. Look up: nearby providers for MH, PCP, and dental (radius/drive to within 1 hr).

DATA:

Mental Health Providers

Goochland Powhatan Community Services:

- Offers a range of mental health services, including counseling and therapy.
- Website: <https://gpcsb.org/>

Cari Cook Child and Family Counseling, LLC:

- Provides counseling services for children and families.
- Website: <http://caricooklpc.com/>

Ellie Mental Health:

- Offers mental health services, including therapy and psychiatry.
- Website: <https://elliementalhealth.com/locations/glen-allen-short-pump-va/>

Primary Care Providers:

Powhatan County:

- [Midlothian Family Practice](#) at 3510-A Anderson Hwy, Powhatan, VA 23139, USA. It is 13.3 miles away from Goochland, Virginia. It takes 19 minutes to get there by car.
- [Jeffrey Dodd, MD, PC](#) at 2891 Anderson Hwy, Powhatan, VA 23139, USA. It is 15.8 miles away from Goochland, Virginia. It takes 21 minutes to get there by car.
- [Alicia Cress, MD](#) at 3452 Anderson Hwy Ste A, Powhatan, VA 23139, USA. It is 13.5 miles away from Goochland, Virginia. It takes 19 minutes to get there by car.
- [Bon Secours Powhatan Medical Associates](#) at 3452 Anderson Hwy Ste D, Powhatan, VA 23139, USA. It is 13.5 miles away from Goochland, Virginia. It takes 19 minutes to get there by car.

- [Dr. Shelley C. Short, MD](#) at 3510 Anderson Hwy A, Powhatan, VA 23139, USA. It is 13.3 miles away from Goochland, Virginia. It takes 19 minutes to get there by car.

Chesterfield County:

- [VitalCare Family Practice](#) at 7300 Ashlake Pkwy #200, Chesterfield, VA 23832, USA. It is 31.6 miles away from Goochland, Virginia. It takes 37 minutes to get there by car.
- [Commonwealth Family Practice](#) at 10201 Krause Rd, Chesterfield, VA 23832, USA. It is 37.1 miles away from Goochland, Virginia. It takes 39 minutes to get there by car.
- [Primary Health Group - Ironbridge](#) at 12254 Branders Creek Dr, Chester, VA 23831, USA. It is 39.1 miles away from Goochland, Virginia. It takes 43 minutes to get there by car.

Henrico County:

- [Primary Health Group - Johnston Willis](#) at 1471 Johnston Willis Dr, Richmond, VA 23235, USA. It is 24.6 miles away from Goochland, Virginia. It takes 33 minutes to get there by car.
- [Robert Mayfield, MD](#) at 1471 Johnston Willis Dr, Richmond, VA 23235, USA. It is 24.6 miles away from Goochland, Virginia. It takes 33 minutes to get there by car.
- [Primary Health Group - Short Pump](#) at 4200 Greybull Dr Suite 300, Richmond, VA 23233, USA. It is 15.2 miles away from Goochland, Virginia. It takes 24 minutes to get there by car.
- [VitalCare Family Practice](#) at 8006 Discovery Dr Suite 400, Henrico, VA 23229, USA. It is 21.9 miles away from Goochland, Virginia. It takes 31 minutes to get there by car.
- [Advantage Primary Care](#) at 7605 Forest Ave STE 412, Richmond, VA 23229, USA. It is 22.1 miles away from Goochland, Virginia. It takes 30 minutes to get there by car.
- [Commonwealth Primary Care - Glen Forest](#) at 1800 Glenside Dr Suite #110, Richmond, VA 23226, USA. It is 23.6 miles away from Goochland, Virginia. It takes 28 minutes to get there by car.
- [Inspire Primary Care](#) at 4823 S Laburnum Ave Suite B, Henrico, VA 23231, USA. It is 36.5 miles away from Goochland, Virginia. It takes 44 minutes to get there by car.

Hanover County:

- [Hanover Family Physicians](#) at 9376 Atlee Station Rd, Mechanicsville, VA 23116, USA. It is 31.4 miles away from Goochland, Virginia. It takes 37 minutes to get there by car.
- [Cold Harbor Family Medicine](#) at 7255 Hanover Green Dr, Mechanicsville, VA 23111, USA. It is 34.2 miles away from Goochland, Virginia. It takes 37 minutes to get there by car.
- [Ashcake Family Physicians](#) at 7493 Right Flank Rd # 400, Mechanicsville, VA 23116, USA. It is 33.5 miles away from Goochland, Virginia. It takes 38 minutes to get there by car.

- [Dr. Ruth C. Latham, MD](#) at MOB IV, 8200 Meadowbridge Rd Suite 306, Mechanicsville, VA 23116, USA.

4. Look up: ways to incentivize providers to work in the county.

DATA: This is out of my jurisdiction. We could possibly speak to someone from the Medical Schools and see what they are advertising for career opportunities.

5. Look up: ways to attract providers to rural community.

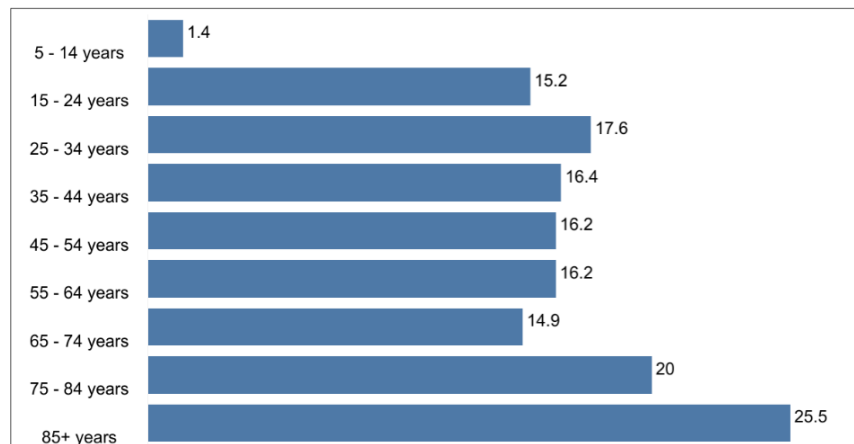
DATA: Same with this one.

Category 4: Suicide, Mortality, and Substance Abuse

1. Look up: who is dying by suicide (age groups).

DATA: These are the age distributions for this indicator for the state of Virginia. [Injury and Violence Deaths - Data](#)

Injury Death Rates by Age Group, 2022 (Suicide)



2. Look up: What % of overdoses in Goochland were due to opioids?

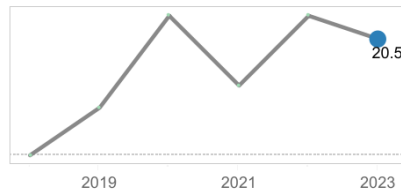
DATA: [Overdose Deaths - Drug Overdose Data](#)

Goochland County

Chickahominy Health District

Drug or drug class: **Any Opioids**

In 2023^a, there were 5 deaths, for a death rate of 20.5 per 100,000 residents.



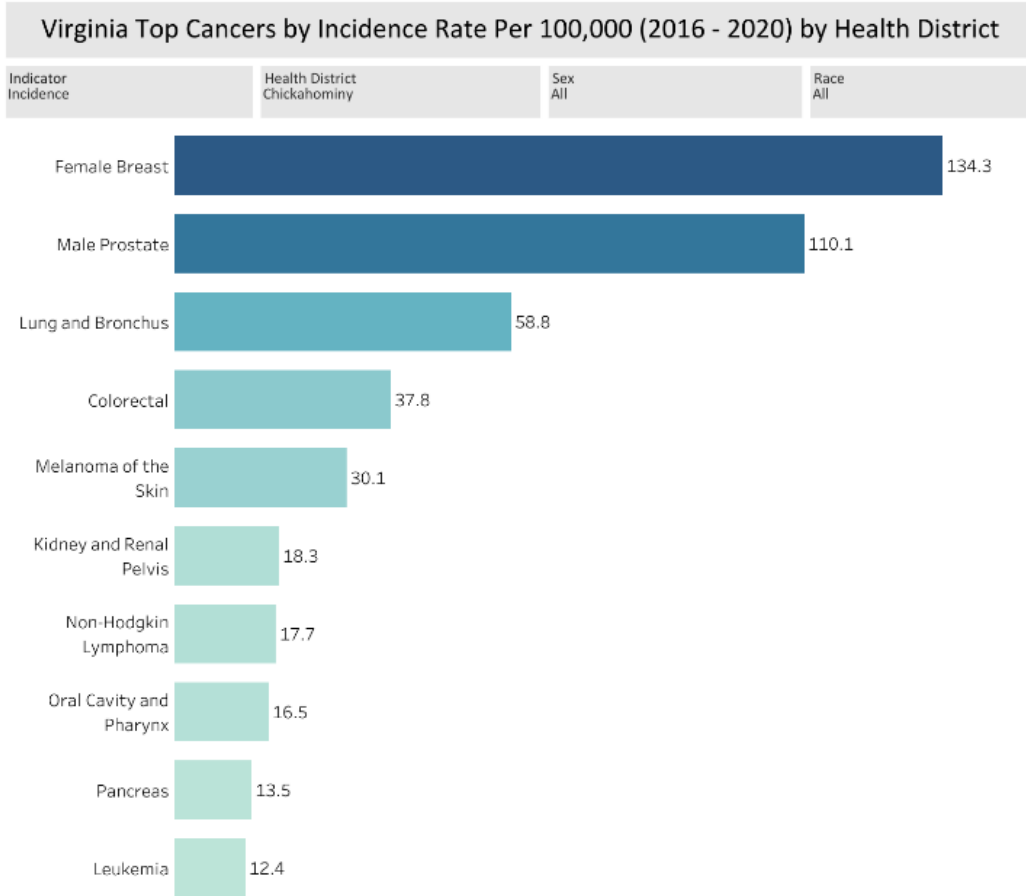
3. Look up more details on data related to mortality (breakdown by age, gender, race and over more time).

DATA: CHR: [Life Expectancy* | County Health Rankings & Roadmaps](#)

Disaggregation by racialized group: Life Expectancy 80.1, Non-Hispanic Black: 74.7, Non-Hispanic White: 80.9. We also have a period life table from Virginia’s Plan for well-being, but this data is from 2010-2015. [VDH Assessment – Virginia’s Plan For Well-Being](#)

4. Look up: top 5 types of cancers in Goochland.

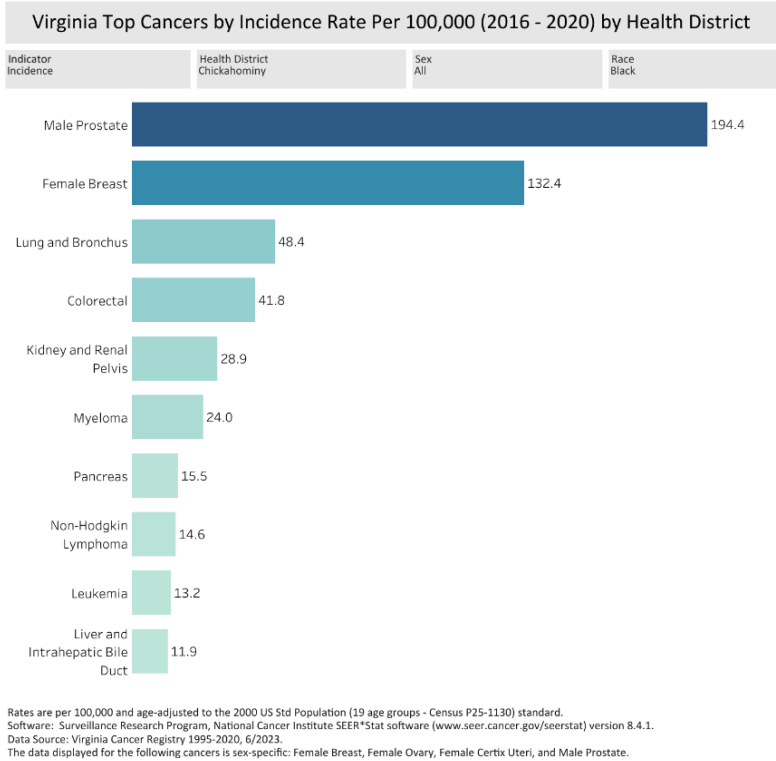
DATA: The incidence of the top 5 cancers in the Chickahominy Health District are:



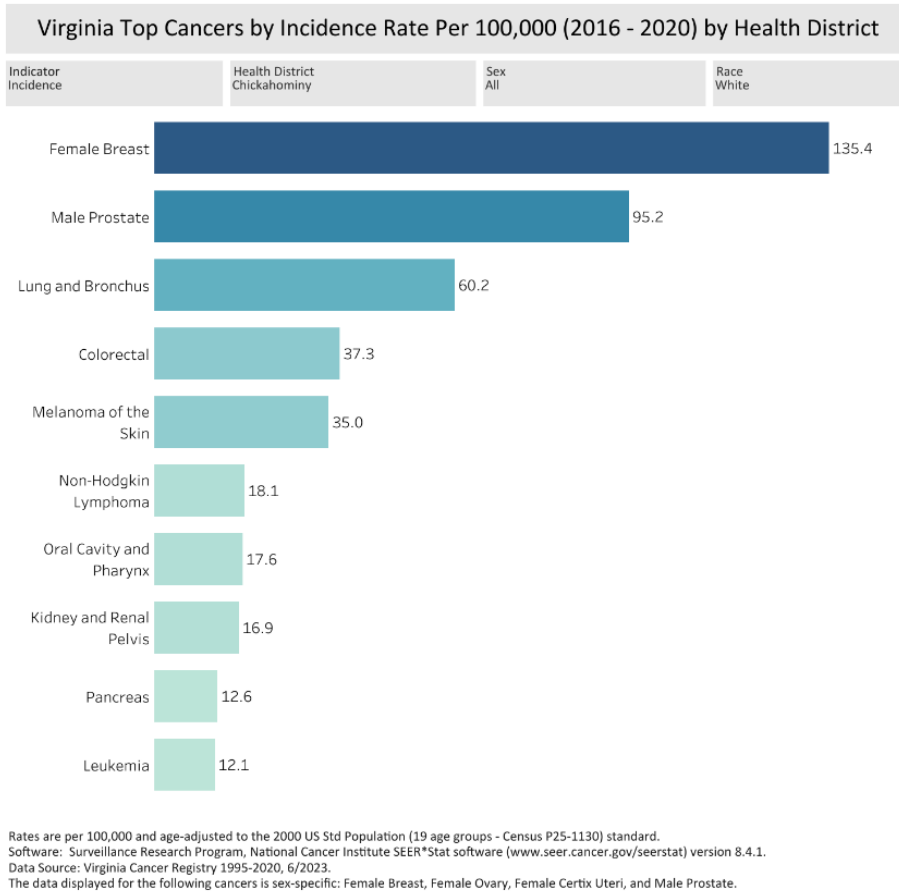
Rates are per 100,000 and age-adjusted to the 2000 US Std Population (19 age groups - Census P25-1130) standard.
 Software: Surveillance Research Program, National Cancer Institute SEER*Stat software (www.seer.cancer.gov/seerstat) version 8.4.1.
 Data Source: Virginia Cancer Registry 1995-2020, 6/2023.
 The data displayed for the following cancers is sex-specific: Female Breast, Female Ovary, Female Cervix Uteri, and Male Prostate.

5. Look up: breakdown by age, race, gender.

DATA: Black:



White:



6. Does air pollution contribute to lung cancer rates?

DATA: Waiting on lungcancer.org email for released article.

7. Potential reasons for higher cancer, life expectancy disparities by race, injury deaths higher?

DATA: Could not find data for this question.

Category 5: Population and Housing Issues

1. Look up: low income % and how that is distributed (map). Population density compared to services.
2. See if we can break down housing programs by each category (i.e. overcrowding)?
3. Look up: Count of households that are cost burdened.

DATA: This information is found under the **Physical Environment** section of this report.

4. Look up: What is the 'trend' for cost burdened households in Goochland?

Category 6: Major Employers and Living Wages

1. Who are the major employers of residents in the county, and do they provide living wages?

Category 7: Childcare, HOI, and Internet Access

1. Look up: # of residents without internet AND can't afford it.
2. Look up: Where can Goochland most improve for HOI score?

DATA: According to the HOI map available, the western side of Goochland can most improve for HOI score.

3. Look up: Childcare access and costs for families in Goochland.

Category 8: Traffic and Accidents

1. Look up: Where are the crashes happening (Goochland Sheriff)?

Category 9: Environmental Concerns

1. Look up: Where particulate matter readings are the highest?
2. Look up: Why are particulates higher in rural county?

DATA: This could be due to location of the placement of monitors and direction of wind on the day air particulates were measured. This doesn't necessarily mean that air quality is bad in rural counties.