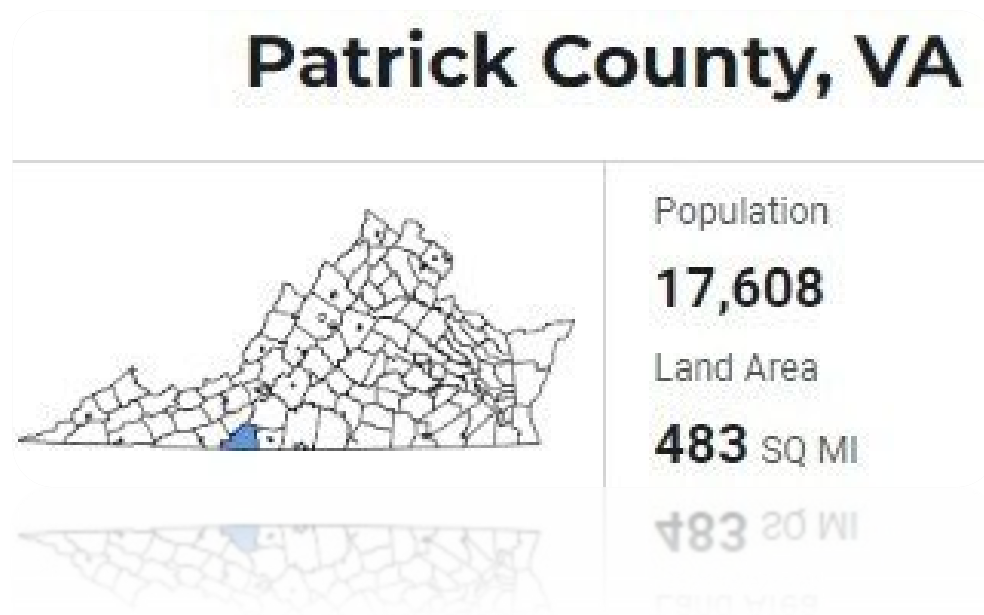


Patrick County, Virginia

Community Health Assessment & Improvement Plan

Provided by HEALTHY PATRICK COUNTY – August 2024



Introduction

This document is the culmination of approximately 18 month's research and planning conducted by teams of Patrick County citizens, medical professionals, nonprofit partners, economic development leaders, emergency managers, various experts, members of the faith community, and interested others. The process was led by the Virginia Department of Health, West Piedmont District.

Many dedicated individuals worked together to ensure that the voices of citizens were heard throughout the assessment process. Instead of paper surveys, we deployed community health workers and Virginia Tech graduate students to visit various areas of the County. They spoke with people from all walks of life as they worked, shopped, and played. The goal -- match survey responses with population demographics of Patrick County.

In doing so, we heard from young and old, wealthy, and poor, and from all ethnicities represented in the community. We listened to residents' concerns. The responses were added to secondary data provided by the Virginia Department of

Health's community health data dashboard and other data made available to us by the US Census Bureau, County Health Rankings, and data provided by our partners.

Only by learning the health challenges of the people themselves were we able to form a true picture of what Patrick County citizens need to obtain optimum wellness.

Many challenges exist, particularly in the areas of

- 1. Maternal/infant mortality,**
- 2. Mental health and substance abuse, and**
- 3. Access to care**

The goal of this document is to outline how we intend to address the challenges together in a manner that produces the best benefits for the most people.

The following entities are major contributors to this report

Brightview Health

Caring Hearts Clinic

Connect Health

County of Patrick Administration

Disability Rights & Resources

Patrick County Chamber of Commerce

Patrick & Henry Community College

Patrick County Emergency Services

Patrick County Public Schools

Piedmont Community Services

STEP, Inc.

Southern Area Agency for Aging

Sovita Health

Tri Area Community Health

United Way of Henry County/Martinsville

Virginia Cooperative Extension

Virginia Department of Social Services

Virginia Department of Health

Virginia Harm Reduction Coalition

Virginia Tech – Center for Public Health Practice and Research

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At-a-Glance Findings

Issue	Objective	How	Outcome
Lack of access to health care	Increase health care capacity and engage citizens in use of new health care options	<ul style="list-style-type: none"> • Recruit new medical practice or FQHC to locate in PC • Create Mobile Health Village • Expansion of service hours, locations 	<ul style="list-style-type: none"> • Increase access to health care • Increase # of wellness visits • Decrease late-staged illnesses • Increase services that minimize patient time away from work
Maternal Mortality	Deploy an educational campaign regarding resources available to expectant moms and those with young children	<ul style="list-style-type: none"> • Create a guide for teens and first-time expectant mothers • Rally partners who provide pregnancy-related services • Market health department services for women • Create a Maternal Health resource directory. • Address SUD during pregnancy. 	<ul style="list-style-type: none"> • Decrease teen pregnancies • Decrease infant mortality rates • Decrease # of low-birth weight infants • Decrease maternal mortality rates
Behavioral Health & Substance Use Disorder	Increase public knowledge and acceptance of mental health and SUD and remove stigma	<ul style="list-style-type: none"> • Pair behavioral health with efforts to address SUD through community education, expert guidance and increased services. • Continue outreach services through the Virginia Harm Reduction Coalition (VHRC) 	<ul style="list-style-type: none"> • Improve understanding of available resources • Improve community acceptance of mental health disorders and SUD • Decrease suicide and overdose rates

Lifespan Decreases?

The average lifespan for Virginians is 78 years. In Patrick County, the number is 73.5 (University of Wisconsin Population Health Institute. County Health Rankings & Roadmaps 2021. www.countyhealthrankings.org.) This report aims to determine why and what measures can be taken to improve lifespans for Patrick Countians.

What makes one’s zip code determine one’s health outcomes? Lack of access to care is the major driver, but social and economic obstacles also contribute to the overall health of a community.

-Social Determinants of Health: According to the Centers for Disease Control & Prevention (CDC), conditions in the places we live, learn, work, play, and worship affect a wide range of health risks and outcomes. Factors like educational level, access to care, ability to seek medical care during the workday, lack of transportation, and lack of money all greatly influence one’s health. In recent years, *complications of COVID have contributed to the decline in age at death in Patrick County.*

-Access to Care: Like many of its neighbors in SW Virginia, Patrick County lacks adequate access to medical services of all kinds. If residents are unwilling or unable to travel to more urban areas for

care, regular medical/dental appointments are difficult to come by – especially for emerging health issues that require early intervention. Data supporting “access to care” barriers is located elsewhere in this document.

Health Equity: Everyone has fair and just opportunities to attain their highest level of health in an environment of health equity. In rural counties like Patrick County, scarcity ensures that not all residents have opportunities to be healthy. Those with transportation issues or who land on long waiting lists for care are not as healthy as their peers. Additionally, employer policies mean that sometimes people cannot leave work for medical care. Income is a major driver of health inequities. It is well documented that low-income community members are much more likely to have chronic health conditions that require medical intervention, but also low-income persons have less access to care.

Accidents: According to the Office of the Chief Medical Examiner for Virginia, of the 32 Patrick Countians who died in 2022, 67% died due to accidents and 16% by suicide! Only 18% died of natural causes. The accidental death rate is substantially higher than state and regional levels, as illustrated in the following chart.

Locality of Residence	Accident Total	Accident Rate	Homicide Total	Homicide Rate	Natural Total	Natural Rate	Suicide Total	Suicide Rate	Undet. Total	Undet. Rate	Total	Total Rate
Orange County	32	84.9	2	5.3	7	18.6	7	18.6	0	0.0	48	127.3
Page County	16	66.9	4	16.7	3	12.5	6	25.1	1	4.2	30	125.3
Patrick County	21	120.0	0	0.0	6	34.3	5	28.6	0	0.0	32	182.9
Petersburg City	40	131.4	14	46.0	20	65.7	4	13.1	3	9.9	82	269.3
Pittsylvania County	47	78.5	1	1.7	28	46.8	14	23.4	2	3.3	92	153.7
Poquoson City	7	57.1	0	0.0	2	16.3	3	24.5	0	0.0	12	97.9

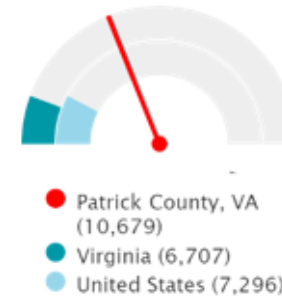
Years of Potential Life Lost

This indicator reports the Years of Potential Life Lost (YPLL) before aged 75 per 100,000 population for all causes of death. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. YPLL measures premature death and is calculated by subtracting the age of death from the 75- year benchmark. Data were obtained from the National Center for Health Statistics - Mortality Files (2018-2020) and are used for the 2023 County Health Rankings. This indicator is relevant because a measure of premature death can provide a unique and comprehensive look at overall health status.

Within the report area, there are a total of 354 premature deaths from 2018 to 2020. This represents an age-adjusted rate of 10,679 years potential life lost before age 75 per every 100,000 total population.

Report Area	Premature Deaths, 2018-2020	Years of Potential Life Lost, 2018-2020	Years of Potential Life Lost, Rate per 100,000 Population
Patrick County, VA	354	4,954	10,679
West Piedmont Health District	2,751	40,474	11,008
Virginia	100,719	1,608,158	6,707
United States	4,125,218	66,925,233	7,296

Years of Potential Life Lost, Rate per 100,000 Population



Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, CDC - National Vital Statistics System. Accessed via County Health Rankings. 2018-2020.

Part II: The Community Health Improvement Plan

To identify and understand key issues related to health and wellness in Patrick County, members of **Healthy Patrick County** devoted nearly a year to understanding the data and putting findings in priority order. From this, they agreed by consensus on the three top issues in the context of:

- Is the data correct,
- Is the issue something we can reasonably address, and
- Will we be able to engage Patrick County municipal and other leaders in the process?

Fortunately, the Patrick County Administrator and her department teams worked alongside Health Patrick County to identify potential solutions.

Potential Opportunities Identified by the Community Health Improvement Team

(1) [Health Care Access](#)

Patrick County lacks a hospital and has an extreme shortage of medical providers.

The table below reports the number of primary care physicians per 100,000 population. Doctors classified as "primary care physicians" by the AMA include: General Family Medicine MDs and DOs, General Practice MDs and DOs, General Internal Medicine MDs and

This *Community Health Improvement Plan* is a guide for implementing community-owned health initiatives to improve identified obstacles to health and wellness. During several months of prioritizing needs identified by the data, **Healthy Patrick County** identified three core issues via consensus: Lack of access to health care, Maternal Mortality, and Behavioral Health & Substance Use Disorder.

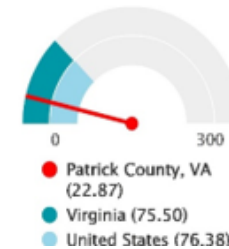
Process: A team was created for each of these focus areas, and these groups began determining steps to address each issue. The teams then prioritized activities that could potentially address some of the issues.

General Pediatrics MDs. Physicians aged 75 and over and physicians practicing sub-specialties within the listed specialties are excluded. This indicator is relevant because a shortage of health professionals contributes to access and health status issues. *Within the report area **there actually is 1 primary care physician.** The data below are an incorrect representation based on physicians who may live in Patrick County but practice elsewhere -- and other factors.*



Report Area	Total Population	Primary Care Physicians	Primary Care Physicians, Rate per 100,000 Population
Patrick County, VA	17,493	1	22.87
Virginia	8,590,560	6,486	75.50
United States	329,484,000	251,647	76.38

Primary Care Providers, Rate per 100,000 Population



Data Source: US Department of Health & Human Services, Health Resources and Services Administration, [HRSA - Area Health Resource File](#). Accessed via [County Health Rankings](#). 2020.

In addition to the one licensed Primary Care Physician who operates in Patrick County, 10 other professionals are licenses through to serve those on Medicaid, and 5 mental health care providers exist.

Other Primary Care Providers* in Patrick, Virginia

	Patrick (PT) County	Virginia	United States
Other Primary Care Providers	1,360:1	800:1	760:1
<p>There was one primary care provider other than a physician per 1,360 people registered in Patrick County, Virginia. This includes nurse practitioners (NPs), physician assistants (PAs), and clinical nurse specialists who can provide routine and preventative care.</p> <p>Definition: Ratio of population to primary care providers other than physicians.</p> <p>Years of data used: 2023</p>			

Report Area	Estimated Population	Number of Mental Health Providers	Ratio of Mental Health Providers to Population (1 Provider per x Persons)	Mental Health Care Provider Rate (Per 100,000 Population)
Patrick County, VA	17,643	9	1,960.3	51
West Piedmont Health District	136,348	147	927.5	107.8
Rural Virginia	808,515	935	864.7	115.6
Urban Virginia	7,828,904	20,186	387.8	257.8
Virginia	8,683,606	21,124	411.1	243.3
United States	333,266,937	1,045,210	318.9	313.6

Note: This indicator is compared to the state average.

Data Source: Centers for Medicare and Medicaid Services, CMS - National Plan and Provider Enumeration System (NPPES). Accessed via County Health Rankings.

2023. → Show more details

Potential Solutions include:

- Recruit new medical practice or FQHC to locate in PC.
- Engage workforce boards, workforce funding and health occupations schools in collaboration with Patrick County to recruit new providers and services.
- Create Mobile Health Village – Monthly rodeo of health care providers, specialists, etc. as healthcare partners visit on a regular basis on a predictable schedule. This would be a designated day when people can have appointments with specialists, receive mammograms, wellness visits, and general medical care, including dental.
- Expansion of service hours, locations – Expand hours of existing healthcare providers to accommodate working families. Consider locations in other parts of the county.

(2) Maternal / Infant Morality

No labor/delivery hospital is available in the entire West Piedmont Health District. Practitioners are scarce because of this. Prenatal care is difficult to find. Pre-term births and related complications are a direct result of lack of access to services. Additionally, the number of infants born with Neonatal Abstinence Syndrome is on the rise.

Maternal Mortality, Rate Per 100,000 Live Births

This indicator reports the three-year averaged rate of maternal deaths per 100,000 live births with Virginia residence from 2018 to 2020. Maternal death is defined as deaths during pregnancy and up to 42 days postpartum that are related to pregnancy. The leading causes for maternal mortality include a health condition getting worse because of pregnancy, a pregnancy complication, or treatment provided during pregnancy. Maternal mortality could be prevented by healthy lifestyles, prenatal care, and early recognition and management of potential complications. *Note: Counts between 1 and 4 are suppressed and all rates with counts <= 12 should be regarded as unstable.*

Report Area	Total Live Births (2018-2020)	Total Maternal Deaths (2018-2020)	Maternal Mortality, Rate (per 100,000 Total Live Births)
Patrick County, VA	Suppressed	Suppressed	821.92
West Piedmont Health District	Suppressed	Suppressed	108.73
Virginia	289,952	139	47.94

Data Source: Virginia Department of Health, [Vital Event Statistics Program, Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2018-20.

Preterm Births, Percent of Total Live Births, 2010 through 2020

This indicator reports the percentage of preterm births of total live births with Virginia residence in 2020. Pre-term birth is defined any birth that occurs before 37 weeks of pregnancy have been completed. Pre-term birth and low - birth-weight account for a high rate of infant deaths and disabilities. Babies who survive may have lots of problems as breathing problems, feeding difficulties, or developmental delay. Spontaneous preterm delivery is the leading cause of neonatal morbidity in the United States and is the most common reason for hospitalization during pregnancy *Note: Counts between 1 and 4 are suppressed and all rates with counts <= 12 should be regarded as unstable.*

Report Area	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Patrick County, VA	9.83%	11.89%	8.33%	13.08%	10.92%	8.06%*	9.82%	9.62%	7.25%*	7.84%*	12.80%
West Piedmont Health District	10.59%	9.60%	10.79%	11.38%	9.31%	9.31%	10.53%	8.90%	9.63%	8.52%	10.03%
Virginia	10.09%	9.47%	9.48%	9.37%	9.13%	9.22%	9.54%	9.53%	9.41%	9.88%	9.60%

Data Source: Virginia Department of Health, Vital Event Statistics Program, Office of Information Management - Virginia Department of Health. Data directly obtained via email from Virginia Vital Statistics 2020.

Maternal Opioid Use Disorder (OUD), Rate per 1,000 Delivery Hospitalizations

This indicator reports the number and rate of hospital inpatient stays due to maternal opioid use disorder, per 1,000 delivery hospitalizations. Maternal opioid use disorder refers to maternal drug dependency or non-dependency use of opiates or opioids such as heroin, methadone, and prescription pain medications diagnosed during a delivery hospitalization. Maternal opioid use disorder can cause many negative health outcomes for mothers and their babies, both during pregnancy and after delivery. Infants can be born with breathing and feeding problems, and mothers are at risk of opioid-related overdoses.

1. Interpret with caution where indicator has a numerator < 20.
2. Suppression rules apply where denominator < 250.

Report Area	Delivery Hospitalizations	Delivery Hospitalizations with OUD	Delivery Hospitalizations with OUD, Rate (per 1,000 Delivery Hospitalizations)
Patrick County, VA	Suppressed	Suppressed	40.00
West Piedmont Health District	965	15	15.54
Virginia	83,938	397	4.72

Data Source: Virginia Department of Health, [Virginia Department of Health, Office of Information Management, Division of Health Statistics](#). Data directly obtained via email from Virginia Department of Health 2020.

Neonatal abstinence syndrome Neonatal Abstinence Syndrome (NAS), rate per 1,000 Birth Hospitalizations

This indicator reports the number and rate of hospital inpatient stays due to neonatal abstinence syndrome (NAS), per 1,000 birth hospitalizations. Neonatal Abstinence Syndrome (NAS) is also known as neonatal drug dependency or withdrawal symptoms, and predominantly occurs from maternal use of opiates, such as heroin, or opioids such as methadone, fentanyl, and prescription pain medications during pregnancy. Babies with NAS are at increased risk of low birthweight, jaundice, seizures, and sudden infant death syndrome (SIDS), in addition to withdrawal signs. NAS represents a significant public health concern given the association of opioid exposure and adverse maternal and neonatal outcomes, including preterm labor, stillbirth, neonatal abstinence syndrome, and maternal mortality.

1. Interpret with caution where indicator has a numerator < 20.

2. Suppression rules apply where denominator < 250.

Report Area	Birth Hospitalizations	Birth Hospitalizations with NAS	Birth Hospitalizations with NAS, Rate (per 1,000 Birth Hospitalizations)
Patrick County, VA	Suppressed	Suppressed	21.3
West Piedmont Health District	956	20	20.9
Virginia	83,213	474	5.7

Data Source: Virginia Department of Health, [Virginia Department of Health, Office of Information Management, Division of Health Statistics](#). Data directly obtained via email from Virginia Department of Health 2020.

Potential Opportunities Identified by the Community Health Improvement Team

- Create a guide for teens and first-time expectant mothers that outlines the importance of prenatal care.
- Rally partners who provide pregnancy-related services to create a taskforce.
- Market Patrick County Health Department services for women.
- Create a Maternal Health resource directory.
- Address SUD during pregnancy under the guidance of the Virginia Harm Reduction Coalition.

(3) Behavioral Health & Substance Use Disorder

Drug Overdose Deaths (All Substances), Rate per 100,000 Population

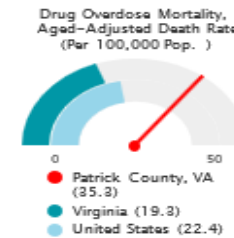
This indicator reports the 2016-2020 five-year average rate of death due to drug overdose of all substances per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are re-summarized for report areas from county level data, only where data is available. This indicator is relevant because drug overdose is the leading cause of injury deaths in the United States, and they have increased dramatically in recent years.

Within the report area, there are a total of 24 deaths due to drug overdose for all substances. This represents an age-adjusted death rate of 35.3 per every 100,000 total population. Note: Data are suppressed for counties with fewer than 20 deaths in the timeframe.

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-2020.

Report Area	Total Population, 2016-2020 Averaged	Five Year Total Deaths, 2016-2020 Total	Crude Death Rate (Per 100,000 Population)	Age-Adjusted Death Rate (Per 100,000 Population)
Patrick County, VA	17,672	24	27.2	35.3
West Piedmont Health District	137,634	213	31.0	35.3
Virginia	8,505,119	8,147	19.2	19.3
United States	326,747,554	363,665	22.3	22.4

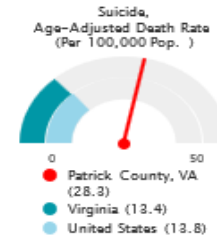


Deaths by Suicide

This indicator reports the 2016-2020 five-year average rate of death due to intentional self-harm (suicide) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are re-summarized for report areas from county level data, only where data is available. This indicator is relevant because suicide is an indicator of poor mental health.

Within the report area, there are a total of 24 deaths due to suicide. This represents an age-adjusted death rate of 28.3 per every 100,000 total population. *Note: Data are suppressed for counties with fewer than 20 deaths in the timeframe.*

Report Area	Total Population, 2016-2020 Averaged	Five Year Total Deaths, 2016-2020 Total	Crude Death Rate (Per 100,000 Population)	Age-Adjusted Death Rate (Per 100,000 Population)
Patrick County, VA	17,672	24	27.2	28.3
West Piedmont Health District	137,634	140	20.3	19.8
Virginia	8,505,119	5,930	13.9	13.4
United States	326,747,554	233,972	14.3	13.8



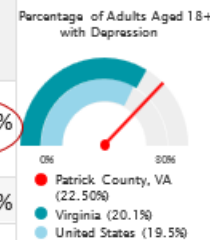
Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#), Accessed via [CDC WONDER](#), 2016-20.

Health Outcomes: Depression

This indicator reports the percentage of adults aged 18 and older who report having been told by a doctor, nurse, or other health professional that they had depressive disorder. Within the report area, there were 22.50% of adults aged 18 and older who reported having depressive disorder of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ with Depression (Crude)	Adults Aged 18+ with Depression (Age-Adjusted)
Patrick County, VA	17,602	22.50%	24.70%
Virginia	8,642,274	20.1%	20.5%
United States	331,893,745	19.5%	19.8%



Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the PLACES Data Portal. 2021.

Potential Opportunities Identified by the Community Health Improvement Team

- Pair behavioral health with efforts to address SUD through community education, expert guidance, and increased services.
- Continue educational services through the Virginia Harm Reduction Coalition.
- Deploy **OD Map** public safety alert system.
- Identify resources for those with behavioral health or substance use disorders, particularly the layered programming of the Piedmont Community Services Board.

Regarding Opioid Funding

Patrick County recently contracted with Omni Institute to determine the best uses of opioid settlement funding. The Institute's findings align well with those of Patrick County citizens who developed this report. Again, stakeholder support was part of the process.

ACCESS TO CARE

- Increase transportation services,
- Expand Medication-assisted treatment, and
- Increase capacity and availability of current service providers.

Additionally, the Omni Institute report noted that a range of additional services are needed to support people who use drugs. Namely, Omni noted a lack of treatment centers in Patrick County and the need for social supports for people who use drugs, people who love people who use drugs, and childcare support. **Interviewees noted that stigma surrounding opioid addiction is a large barrier in Patrick County.**

Referring back to allowable expenses via the opioid's settlement plan, each of the recommendations above are eligible for funding.

Next Steps

Difficult work involving numerous citizens resulted in this report, the purpose of which is to inform a 3-year plan around barriers to health identified by the citizens themselves. We encourage municipal leaders, boards of supervisors and town councils to seriously consider the recommendations herein. We recommend that the County encourage various entities who seek funding through the opioids settlement

Appendix 1

County Health Rankings and Roadmaps

County Health Rankings & Roadmaps provides data, evidence, guidance, and examples to build awareness of the many factors that influence health and support leaders in growing community power to improve health equity.

The annual Rankings measure the health of nearly every county in all 50 states on a range of health-influencing measures that offer important context about the community conditions that fuel good health. The Rankings provide the data, and tools like [What Works for Health](#) provide evidence-informed strategies that communities can use to move to action.

County Health Rankings & Roadmaps is a program of the [University of Wisconsin Population Health Institute](#) with support from the Robert Wood Johnson Foundation.

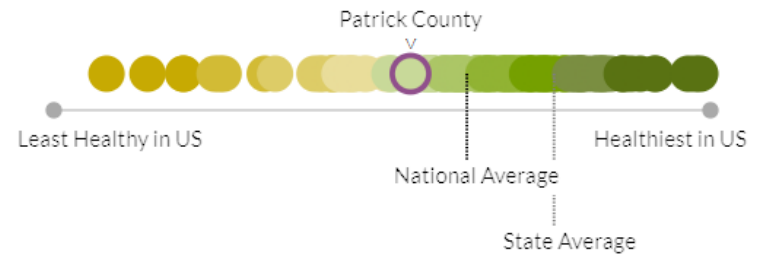
2023 County Health Rankings Links. Clicking the link below will enable you to drill down further into the following data.

[Patrick, Virginia | County Health Rankings & Roadmaps](#)

Patrick County Health Outcomes i

Health Outcomes tell us how long people live on average within a community, and how much physical and mental health people experience in a community while they are alive.

Patrick County is faring worse than the average county in Virginia for Health Outcomes, and worse than the average county in the nation.



↕ Trends Available

Health Outcomes				
	Patrick County	Virginia	United States	
Length of Life				—
Premature Death	12,300	7,300	8,000	↕
Quality of Life				
Poor or Fair Health	17%	14%	14%	↕
Poor Physical Health Days	4.0	3.2	3.3	↕
Poor Mental Health Days	5.5	4.9	4.8	↕
Low Birthweight	9%	8%	8%	↕

This table shows that Patrick County is faring worse in health outcomes than the average county in both Virginia and the nation with 12,300 premature deaths compared to 7,300 in Virginia and 8,000 in the United States. Under Quality of Life, 17% of Patrick Countians experience poor or fair health compared to 14% in both Virginia and the US; 4 poor physical health days compared to 3.2 and 3.3; 5.5 poor mental health days compared to 4.9 and 4.8; and 9% low birth weight compared to 8% for both Virginia and the US.

Additional Health Outcomes (not included in summary)	Patrick County	Virginia	United States	
Life Expectancy	73.5	78.1	77.6	▼
Premature Age-Adjusted Mortality	540	360	390	▼
Child Mortality		50	50	▼
Infant Mortality		6	6	▼
Frequent Physical Distress	12%	10%	10%	▼
Frequent Mental Distress	18%	15%	15%	▼
Diabetes Prevalence	10%	10%	10%	▼
HIV Prevalence	77	334	382	▼

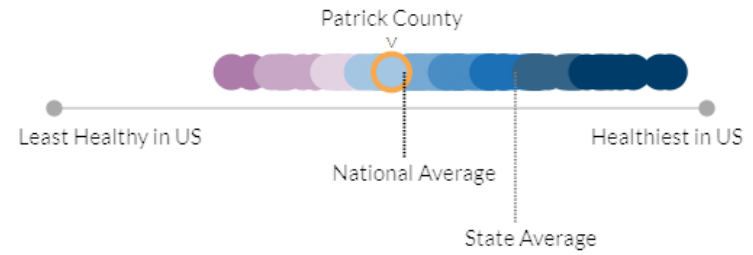
Note: Blank values reflect unreliable or missing data.

This table shows that life expectancy in Patrick County is 73.5 years compared to 78.1 in Virginia and 77.6 in the US. Premature Age-Adjusted Mortality is 540 for PC, 360 for VA and 390 for US. Child Mortality has no number for PC but 50 for both VA and US; Infant Mortality none listed for PC but 6 for both VA and US. 12% of Patrick Countians experience frequent physical distress compared to 10% in VA and US; 18% experience frequent mental distress compared to 15% for both VA and US. There is a 10% prevalence of diabetes in Patrick County compared to 10% in VA and US. HIV prevalence shows 77 in Patrick County compared to 334 in VA and 382 in US. Where there are no numbers above reflects unreliable or missing data.

Patrick County Health Factors 1



Many things influence how well and how long we live. Health Factors represent those things we can improve to live longer and healthier lives. They are indicators of the future health of our communities.

Patrick County is faring worse than the average county in Virginia for Health Factors, and worse than the average county in the nation.









- Show areas to explore
- Show areas of strength
- Trends Available





Health Factors

Health Behaviors	Patrick County	Virginia	United States	
Adult Smoking	19%	13%	15%	▼
Adult Obesity	33%	34%	34%	▼
Food Environment Index	8.3	9.0	7.7	▼
Physical Inactivity	24%	20%	23%	▼
Access to Exercise Opportunities	33%	84%	84%	▼
Excessive Drinking	15%	18%	18%	▼
Alcohol-Impaired Driving Deaths	 44%	30%	26%	▼
Sexually Transmitted Infections	 147.7	467.6	495.5	▼
Teen Births	22	13	17	▼
Additional Health Behaviors (not included in summary)	Patrick County	Virginia	United States	
Food Insecurity	10%	8%	10%	▼
Limited Access to Healthy Foods	3%	4%	6%	▼
Drug Overdose Deaths	49	25	27	▼
Insufficient Sleep	35%	35%	33%	▼


This table shows health factors that influence life expectancy. Patrick County fares worse overall than average counties in Virginia or the US. Significant differences are seen in adult smoking: 19% in Patrick County compared to 13% in Virginia and 15% in US; adult obesity: 33% PC, 34% in both VA and US; alcohol-impaired driving deaths: 44% PC, 30% VA, and 26% US. Other behaviors are food environment index: 8.3 PC, 9 VA; and 7.7 US; physical inactivity: 24% PC, 20% VA, and 23% US; excessive drinking: 15% PC, and 18% both VA and US; sexually transmitted infections: 147.7 PC, 467.6 VA, and 495.5 US; teen births: 22 PC, 13 VA, and 17 US. Additional health behaviors include food insecurity: 10% PC, 8% VA, and 10% US; limited access to healthy foods: 3% PC, 4% VA, and 6% US; drug overdose deaths: 49 PC, 25 VA, and 27 US; and insufficient sleep: 35% PC, 35% VA, and 33% US.

	Patrick County	Virginia	United States	
Additional Health Behaviors (not included in summary)				
Food Insecurity	10%	8%	10%	▼
Limited Access to Healthy Foods	3%	4%	6%	▼
Drug Overdose Deaths	49	25	27	▼
Insufficient Sleep	35%	35%	33%	▼
Clinical Care				
Uninsured	 9%	8%	10%	▼
Primary Care Physicians	 4,400:1	1,340:1	1,330:1	▼
Dentists	 8,820:1	1,330:1	1,360:1	▼
Mental Health Providers	1,960:1	410:1	320:1	▼
Preventable Hospital Stays	 2,446	2,601	2,681	▼
Mammography Screening	 45%	44%	43%	▼
Flu Vaccinations	 32%	49%	46%	▼

This table shows additional health behaviors. Under Clinical Care, 9 percent of the population are uninsured in Patrick County compared to 8% in Virginia and 10% in US. There is 1 primary care physician to 4,400 people in Patrick County; 1 per 1,340 in Virginia, and 1 per 1,330 in the US. There is 1 dentist to 8,820 people in Patrick County; 1 per 1,330 in Virginia, and 1 per 1,360 in the US. There is 1 mental health provider to 1,960 people in Patrick County; 1 per 410 in Virginia, and 1 per 320 in the US. There were 2,446 preventable hospital stays in Patrick County, 2,601 in Virginia, and 2,681 in the US. Mammography Screenings in Patrick County=45%; in Virginia, 44%; in the U.S. 43%. Flu vaccinations in Patrick County=32%, Virginia 49%, and the US 46%.

Additional Clinical Care (not included in summary)		Patrick County	Virginia	United States	—
Uninsured Adults		10%	9%	12%	∨
Uninsured Children		5%	4%	5%	∨
Other Primary Care Providers		1,360:1	800:1	760:1	∨
Social & Economic Factors		Patrick County	Virginia	United States	—
High School Completion		84%	91%	89%	∨
Some College		58%	72%	68%	∨
Unemployment		3.6%	2.9%	3.7%	∨
Children in Poverty		22%	13%	16%	∨
Income Inequality		5.7	4.9	4.9	∨
Children in Single-Parent Households		12%	24%	25%	∨
Social Associations		9.1	11.0	9.1	∨
Injury Deaths		143	72	80	∨

This table shows additional health behaviors not included in summary. In Patrick County 10% of the adult population and 5% of the children are uninsured. In Virginia 9% of the adult population and 4% of the children are uninsured, and in the US 12% of the adult population and 5% of the children are uninsured. In Patrick County there is 1 other primary care provider per 1,360 people compared to 1 to 800 in Virginia and 1 to 760 in the US. Social and Economic Factors include High School Completion: 84 percent in PC compared to 91 and 89 percent in Virginia and the US; Some College 58 percent PC, 72 and 68 in Virginia and the US; Unemployment at 3.6 percent in PC, 2.9 and 3.7 in Virginia and US; Children in Poverty, 22 percent in PC, 13 and 16 in Virginia and the US; Income Inequality at 5.7 in PC, 4.9 in both Virginia and the US; Children in Single Parent Households at 12 percent in PC compared to 24 and 25 in Virginia and the US; Social Associations at 9.1 in PC, 11.0 and 9.1 in Virginia and the US; and Injury Deaths at 143 in PC compared to 72 and 80 in Virginia and the US.

Additional Social & Economic Factors (not included in summary)	Patrick County	Virginia	United States	
High School Graduation	98%	90%	86%	▼
Disconnected Youth		6%	7%	▼
Reading Scores	3.3	3.2	3.1	▼
Math Scores			3.0	▼
School Segregation	0.06	0.20	0.24	▼
School Funding Adequacy	 -\$1,689	-\$806	\$634	▼
Gender Pay Gap	0.80	0.80	0.81	▼
Median Household Income	\$49,300	\$85,800	\$74,800	▼
Living Wage	\$38.25	\$51.81		▼
Children Eligible for Free or Reduced Price Lunch	62%	46%	51%	▼
Residential Segregation - Black/White	24	51	63	▼
Child Care Cost Burden	29%	26%	27%	▼
Child Care Centers	5	7	7	▼
Homicides		5	6	▼
Suicides	31	13	14	▼
Firearm Fatalities	24	13	13	▼
Motor Vehicle Crash Deaths	23	10	12	▼
Juvenile Arrests				▼
Voter Turnout	65.9%	72.0%	67.9%	▼
Census Participation	55.2%		65.2%	▼

The table above shows additional social and economic factors not included in summary. For each factor, data is listed first for Patrick County, then for Virginia, and then for the US. High School graduation: 98%, 90%, 86%. Disconnected youth: blank for PC, 6%, 7%. Reading scores: 3.3, 3.2, 3.1. Math scores: blank for Patrick County and Virginia, 3.0. School segregation: .06, .20, .24. School funding adequacy: \$-1,689, \$-806, \$634. Gender pay gap: .80, .80, .81. Median household income: \$49,300, \$85,800, \$74,800. Living wage: \$38.25, \$51.81, blank for US. Children eligible for free or reduced lunch: 62%, 46%, 51%. Residential segregation-black/white: 24, 51, 63. Childcare cost burden: 29%, 26%, 27%. Childcare centers: 5, 7, 7. Homicides: blank for Patrick County, 5, 6. Suicides: 31, 13, 14. Firearm fatalities: 24, 13, 13. Motor vehicle crash deaths: 23, 10, 12. Juvenile arrests: blank for Patrick County, Virginia, and US. Voter turnout: 65.9%, 72%, 67.9%. Census participation: 55.2%, blank for Virginia, 65.2%.

Helpful information regarding the health rankings.

Rankings are distributed among 133 Virginia localities. The smaller the number, the better the outcome.

Premature Death – Years of potential life lost before age 75 (age adjusted)

Poor-to-Fair Health Days – self reported by adults and calculated as a percentage of the adult population.

Poor Physical Health – Averaged # of physically unhealthy days in past 30 days, as self-reported.

Poor Mental Health – Averaged # of mentally unhealthy days in past 30 days, as self-reported.

Low Birthweight -- % of live births at a weight of 5.12 pounds or below.

Adult Obesity -- % over 20 with a BMI greater than or equal to 30 kg/m².

Food Environment Index – Factors that contribute to a healthy food environment with 0 being “worst” and 10 being “best.”

Physical Inactivity -- % of adults 20+ reporting NO leisure time physical activity.

Access to Exercise -- % of the population with adequate access to locations for physical activity.

Excessive Drinking -- % of self-reported binge or heavy drinking.

Alcohol-Related Driving Facilities -- % of deaths with alcohol involvement.

Sexually-transmitted infections -- # of newly diagnoses cases of chlamydia per 100,000 population.

Teen Pregnancy – aged 15-19 birth rate per 1,000 females.

Income Inequality – Ratio of household income at the 80th percentile to income at the 10th percentile.

Social Connections -- # of membership associations per 10,000 population.

Violent Crime Rate -- # of crimes per 100,000 population

Injury Rate – injuries per 100,000 population

Source: Community Health Dashboard – Virginia Department of Health, 2024

Appendix 2

VDH Community Health Dashboard 2024

Demographic Profile of Patrick County

Total Population

A total of 17,661 people live in the 482.95 square mile report area defined for this assessment according to the U.S. Census Bureau American Community Survey 2017-21 5-year estimates. The population density for this area, estimated at 37 persons per square mile, is less than the national averaged population density of 93 persons per square mile.

Report Area	Total Population	Total Land Area (Square Miles)	Population Density (Per Square Mile)
Patrick County, VA	17,661	482.95	37
West Piedmont Health District	137,043	1,566.87	87
Virginia	8,582,479	39,482.12	217
United States	329,725,481	3,533,041.03	93

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

Total Population by Gender

This indicator reports the total population of the report area by gender. The percentage values could be interpreted as, of all the population within the report area, the male population is 50.20%; the female population is 49.80%.

Report Area	Male	Female	Male, Percent	Female, Percent
Patrick County, VA	8,866	8,795	50.20%	49.80%
West Piedmont Health District	66,629	70,414	48.62%	51.38%
Virginia	4,245,281	4,337,198	49.46%	50.54%
United States	163,206,615	166,518,866	49.50%	50.50%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Total Population by Age Groups, Total

This indicator reports the total population of the report area by age groups.

Report Area	Aged 0-4	Aged 5-17	Aged 18-24	Aged 25-34	Aged 35-44	Aged 45-54	Aged 55-64	Aged 65+
Patrick County, VA	858	2,220	1,008	1,589	1,732	2,650	2,940	4,664
West Piedmont Health District	6,558	20,398	10,251	13,268	13,809	18,840	21,878	32,041
Virginia	501,494	1,391,258	807,206	1,175,445	1,136,245	1,119,597	1,122,634	1,328,600
United States	19,423,121	54,810,954	30,339,089	45,360,942	42,441,883	41,631,458	42,829,413	52,888,621

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Total Population by Age Groups, Percent

This indicator reports the percentage of age groups in the population of the report area.

The percentage values could be interpreted as, for example, "Of the total population in the report area, the percentage of population aged 0-4 is (value)."

Report Area	Aged 0-4	Aged 5-17	Aged 18-24	Aged 25-34	Aged 35-44	Aged 45-54	Aged 55-64	Aged 65+
Patrick County, VA	4.86%	12.57%	5.71%	9.00%	9.81%	15.00%	16.65%	26.41%
West Piedmont Health District	4.79%	14.88%	7.48%	9.68%	10.08%	13.75%	15.96%	23.38%
Virginia	5.84%	16.21%	9.41%	13.70%	13.24%	13.05%	13.08%	15.48%
United States	5.89%	16.62%	9.20%	13.76%	12.87%	12.63%	12.99%	16.04%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Population Age 65+

Of the estimated 17,661 total population in the report area, an estimated 4,664 persons are adults aged 65 and older, representing 26.41% of the population. These data are based on the latest U.S. Census Bureau American Community Survey 5year estimates. The number of older adults in the report area is relevant because this population has unique needs which should be considered separately from other age groups.

Report Area	Total Population	Population Aged 65+	Population Aged 65+, Percent
Patrick County, VA	17,661	4,664	26.41%
West Piedmont Health District	137,043	32,041	23.38%
Virginia	8,582,479	1,328,600	15.48%
United States	329,725,481	52,888,621	16.04%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Median Household Income

2011 - 2021 trend data estimates for Median Annual Household incomes are shown in the report area below. *Note: Median incomes cannot be calculated for Report Location.*

Report Area	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Patrick County, VA	\$34,486	\$33,818	\$34,654	\$34,885	\$37,360	\$38,539	\$40,421	\$42,862	\$43,568	\$46,149	\$46,963
Virginia	\$61,877	\$61,782	\$62,745	\$64,923	\$66,263	\$68,127	\$71,518	\$72,600	\$76,471	\$79,154	\$80,926
United States	\$50,502	\$51,371	\$52,250	\$53,657	\$55,775	\$57,617	\$60,336	\$61,937	\$65,712	\$67,340	\$69,717

Data Source: US Census Bureau, [Small Area Income and Poverty Estimates](#), 2021.

Household Size

This indicator reports the total number and percentage of households by composition (married couple family, nonfamily, etc.). According to the American Community Survey subject definitions, a family household is any housing unit in which the householder is living with one or more individuals related to him or her by birth, marriage, or adoption*. A non-family household is any household occupied by the householder alone, or by the householder and one or more unrelated individuals.

*Family households and married-couple families do not include same-sex married couples even if the marriage was performed in a state issuing marriage certificates for same-sex couples. Same sex couple households are included in the family households category if there is at least one additional person related to the householder by birth or adoption.

Report Area	Total Households	Family Households	Family Households, Percent	Non-Family Households	Non-Family Households, Percent
Patrick County, VA	7,732	4,908	63.48%	2,824	36.52%
West Piedmont Health District	55,937	35,074	62.70%	20,863	37.30%
Virginia	3,248,528	2,134,654	65.71%	1,113,874	34.29%
United States	124,010,992	80,755,759	65.12%	43,255,233	34.88%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Households by Composition and Relationship to Householder

This indicator reports households by composition and relationship to householder.

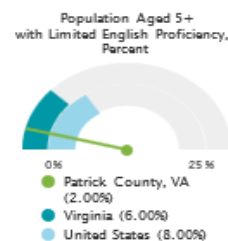
Report Area	Total Households	Married Family Households	Single Male Family Households	Single Female Family Households	Non-Family Households
Patrick County, VA	7,732	3,912	246	750	2,824
West Piedmont Health District	55,937	26,064	2,697	6,313	20,863
Virginia	3,248,528	1,617,381	143,990	373,283	1,113,874
United States	124,010,992	59,331,185	6,151,295	15,273,279	43,255,233

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Population with Limited English Proficiency

This indicator reports the percentage of the population aged 5 and older who speak a language other than English at home and speak English less than "very well". This indicator is relevant because an inability to speak English well creates barriers to healthcare access, provider communications, and health literacy/education. Of the 16,803 total population aged 5 and older in the report area, 261 or 2.00% have limited English proficiency.

Report Area	Population Aged 5+	Population Aged 5+ with Limited English Proficiency	Population Aged 5+ with Limited English Proficiency, Percent
Patrick County, VA	16,803	261	2.00%
Virginia	8,080,985	469,028	6.00%
United States	310,302,360	25,535,259	8.00%



Note: This indicator is compared to the state average.

Population with Limited English Proficiency by Ethnicity Alone

This indicator reports the total and percentage of population aged 5 and older who speak a language other than English at home and speak English less than "very well" by ethnicity alone in the report area. The percentage values could be interpreted as, for example, *"Among the Hispanic population in the report area, the percentage of the population with limited English proficiency is (value)."*

Report Area	Total Hispanic or Latino	Total Not Hispanic or Latino	Percent Hispanic or Latino	Percent Not Hispanic or Latino
Patrick County, VA	150	111	34.80%	0.68%
Virginia	232,582	236,446	30.48%	3.23%
United States	15,698,264	9,836,995	28.13%	3.87%

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

National Origin

This indicator reports the top 10 countries of origin for the foreign-born population in the report area. The foreign-born population includes anyone who was not a U.S. citizen at birth. This includes respondents who indicated they were a U.S. citizen by naturalization or not a U.S. citizen.

Report Area	Rank	Country	Percentage
Patrick County, Virginia	1	Germany	26.72%
Patrick County, Virginia	2	Mexico	13.79%
Patrick County, Virginia	3	Argentina	9.05%
Patrick County, Virginia	4	India	7.33%
Patrick County, Virginia	5	Vietnam	5.60%
Patrick County, Virginia	5	Hong Kong	5.60%
Patrick County, Virginia	5	United Kingdom, excluding England and Scotland	5.60%
Patrick County, Virginia	8	Jamaica	4.31%
Patrick County, Virginia	9	El Salvador	3.45%
Patrick County, Virginia	10	Colombia	3.02%

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

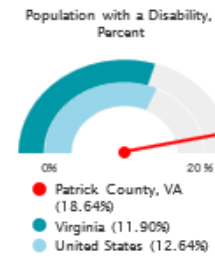
Population with Any Disability

This indicator reports the percentage of the total civilian non-institutionalized population with a disability. The report area has a total population of 17,282 for whom disability status has been determined, of which 3,222 or 18.64% have any disability.

This indicator is relevant because disabled individuals may require targeted services and outreach by providers.

✎

Report Area	Total Population (For Whom Disability Status Is Determined)	Population with a Disability	Population with a Disability, Percent
Patrick County, VA	17,282	3,222	18.64%
West Piedmont Health District	135,156	24,531	18.15%
Virginia	8,357,984	994,331	11.90%
United States	324,818,565	41,055,492	12.64%



Note: This indicator is compared to the state average.

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Population with Any Disability by Age Group, Percent

This indicator reports the percentage of the total civilian non-institutionalized population with a disability by age group. The percentage values could be interpreted as, for example, "Among the population aged 65+ in the report area, the percentage of population with disability is (value)."

Report Area	Under Age 18	Aged 18 - 64	Aged 65 +
Patrick County, VA	5.52%	11.37%	43.49%
West Piedmont Health District	4.27%	15.81%	35.87%
Virginia	4.37%	9.57%	31.98%
United States	4.41%	10.32%	33.36%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

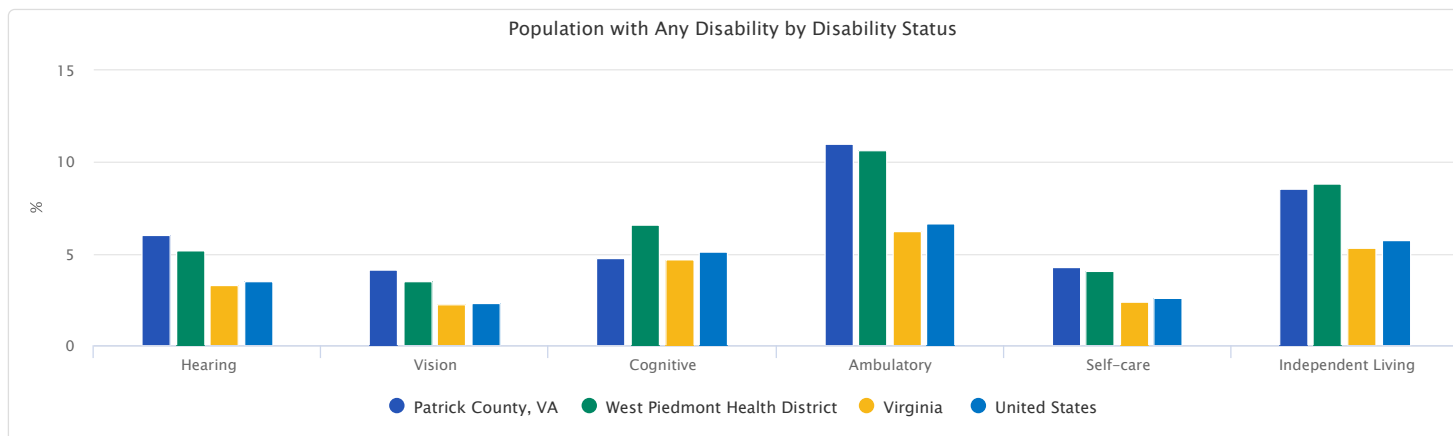
Population with Any Disability, by Disability Status

This indicator reports the percentage of the total civilian non-institutionalized population with a disability, by disability status. Note that ACS measures disability status within different age groups: hearing and vision difficulty for all the people; cognitive, ambulatory, and self-care for people 5 years and older; and independent living for people 15 years and older (reported for people 18 years and older in ACS2017-21 data).

The percentage values could be interpreted as, within the report area, people with hearing difficulty is 6.00% of all the population; people with vision difficulty is 4.11% of all the population; people with cognitive difficulty is 4.74% of all the population aged 5+; people with ambulatory difficulty is 10.99% of all the population aged 5+; people with self-care difficulty is 4.27% of all the population aged 5+; people with independent living difficulty is 8.55% of all the population aged 18+.

Report Area	Hearing	Vision	Cognitive	Ambulatory	Self-care	Independent Living
Patrick County, VA	6.00%	4.11%	4.74%	10.99%	4.27%	8.55%
West Piedmont Health District	5.20%	3.51%	6.59%	10.63%	4.09%	8.83%
Virginia	3.29%	2.23%	4.68%	6.21%	2.40%	5.32%
United States	3.51%	2.34%	5.15%	6.68%	2.56%	5.73%

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).



Health Status

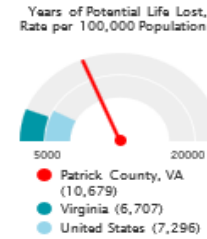
Years Potential Life Lost

This indicator reports the Years of Potential Life Lost (YPLL) before age 75 per 100,000 population for all causes of death. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. YPLL measures premature death and is calculated by subtracting the age of death from the 75-year benchmark. Data were from the National Center for Health Statistics - Mortality Files (2018-2020) and are used for the 2023 County Health Rankings. This indicator is relevant because a measure of premature death can provide a unique and comprehensive look at overall health status.

Within the report area, there are a total of 354 premature deaths from 2018 to 2020. This represents an age-adjusted rate of 10,679 years potential life lost before age 75 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the three-year timeframe.

Report Area	Premature Deaths, 2018-2020	Years of Potential Life Lost, 2018-2020	Years of Potential Life Lost, Rate per 100,000 Population
Patrick County, VA	354	4,954	10,679
West Piedmont Health District	2,751	40,474	11,008
Virginia	100,719	1,608,158	6,707
United States	4,125,218	66,925,233	7,296



Note: This indicator is compared to the state average.

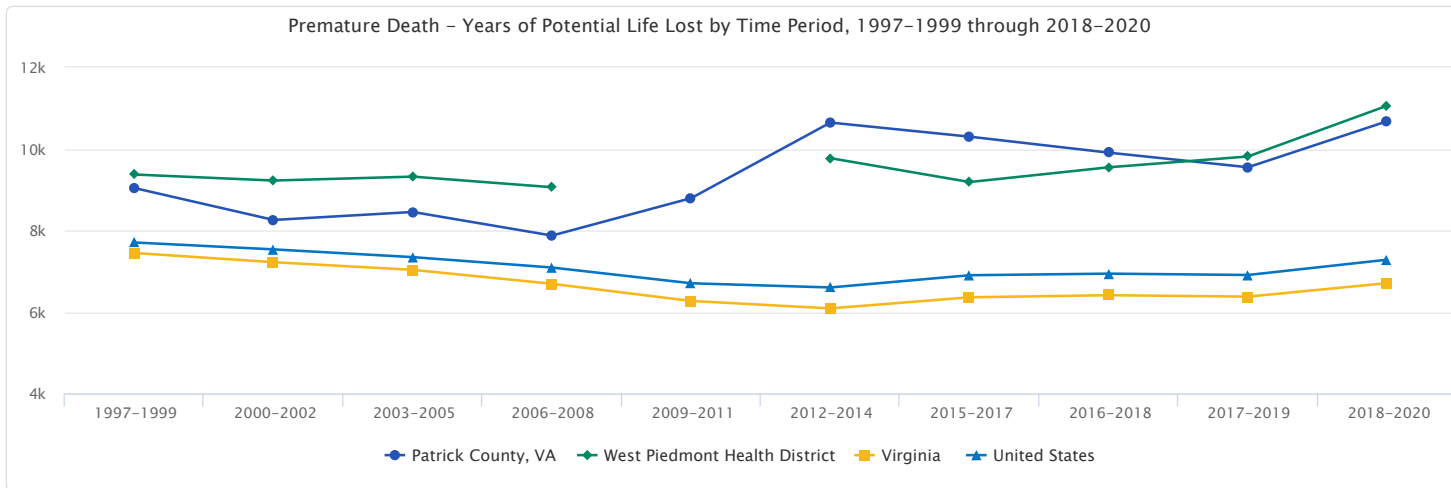
Data Source: Centers for Disease Control and Prevention, CDC - National Vital Statistics System. Accessed via County Health Rankings. 2018-2020.

Premature Death - Years of Potential Life Lost by Time Period, 1997-1999 through 2018-2020

The table below shows the Years of Potential Life Lost (YPLL) before age 75 per 100,000 people over time.

Report Area	1997-1999	2000-2002	2003-2005	2006-2008	2009-2011	2012-2014	2015-2017	2016-2018	2017-2019	2018-2020
Patrick County, VA	9,040	8,257	8,453	7,874	8,793	10,646	10,300	9,908	9,550	10,679
West Piedmont Health District	9,372	9,224	9,320	9,060	No data	9,773	9,187	9,549	9,814	11,060
Virginia	7,447	7,221	7,033	6,691	6,270	6,088	6,360	6,411	6,376	6,707
United States	7,705	7,535	7,345	7,090	6,704	6,601	6,901	6,940	6,907	7,282

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [County Health Rankings](#). 2018-2020.

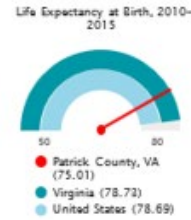


Life Expectancy by Locality

This indicator reports the average life expectancy at birth. Life expectancy measures the average number of years from birth a person can expect to live, according to the current mortality experience (age-specific death rates) of the population. Life expectancy considers the number of deaths in a given time period and the average number of people at risk of dying during that period, allowing us to compare data across census tracts with different population sizes.

Within the report area, the average life expectancy at birth is 75.01 of the total population.

Report Area	Total Population (2010-2015)	Life Expectancy at Birth (2010-2015)
Patrick County, VA	18,264	75.01
West Piedmont Health District	140,783	75.47
Virginia	8,256,630	78.73
United States	320,098,094	78.69



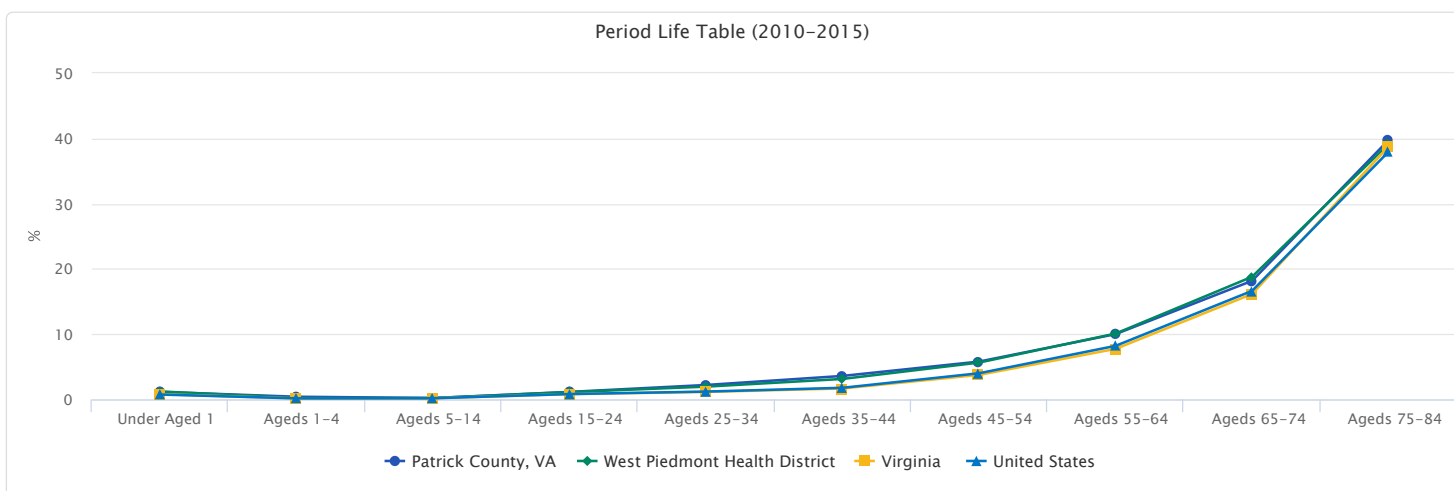
Data Source: Centers for Disease Control and Prevention and the National Center for Health Statistics, [U.S. Small-Area Life Expectancy Estimates Project, 2010-15](#).

Period Life Table (2010-2015)

This indicator reports the probability of dying between the ages referenced in each category (among the population living to the first age in the reference category). For example, the data in column **Ages 1-4** expresses the probability of dying between one and four years of age. Data values are expressed as a percentage.

Report Area	Under Age 1	Ages 1-4	Ages 5-14	Ages 15-24	Ages 25-34	Ages 35-44	Ages 45-54	Ages 55-64	Ages 65-74	Ages 75-84
Patrick County, VA	1.14%	0.40%	0.20%	1.14%	2.20%	3.59%	5.79%	10.00%	18.17%	39.76%
West Piedmont Health District	1.21%	0.22%	0.20%	1.11%	1.95%	3.13%	5.64%	10.08%	18.79%	39.15%
Virginia	0.79%	0.15%	0.17%	0.80%	1.14%	1.67%	3.75%	7.74%	16.15%	38.76%
United States	0.74%	0.15%	0.17%	0.81%	1.19%	1.77%	4.00%	8.20%	16.63%	37.96%

Data Source: Centers for Disease Control and Prevention and the National Center for Health Statistics, [U.S. Small-Area Life Expectancy Estimates Project](#), 2010-15.



All-Cause Mortality

This indicator reports the 2018-2021 four-year averaged rate of death per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard where available. Rates are re-summarized for custom report areas from county level data, only where data is available.

Report Area	Total Population, 2018-2021 Averaged	Four Year Total Deaths, 2018-2021 Total	Crude Death Rate (Per 100,000 Population)	Age Adjusted Death Rate (Per 100,000 Population)
Patrick County, VA	14,075	1,181	1,678.1	No data
Virginia	6,857,208	306,220	893.1	768.1
United States	263,356,965	12,542,003	952.5	788.8

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#), 2018-2021.

All-Cause Mortality, Crude Rate (Per 100,000 Pop.) by Race / Ethnicity

This indicator reports the crude rate of death per 100,000 people for the 4-year period 2018-2021 by race and by Hispanic origin.

Report Area	Non-Hispanic White	Non-Hispanic Black	Asian or Pacific Islander	American Indian or Alaskan Native	Hispanic or Latino
Patrick County, VA	1,755.22	1,587.73	No data	No data	No data
Virginia	1,079.34	959.61	318.91	493.07	221.28
United States	1,192.10	959.90	421.07	899.13	424.91

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#), 2018-2021.

Adults Reporting Poor Physical Health by Year, 2011 through 2020

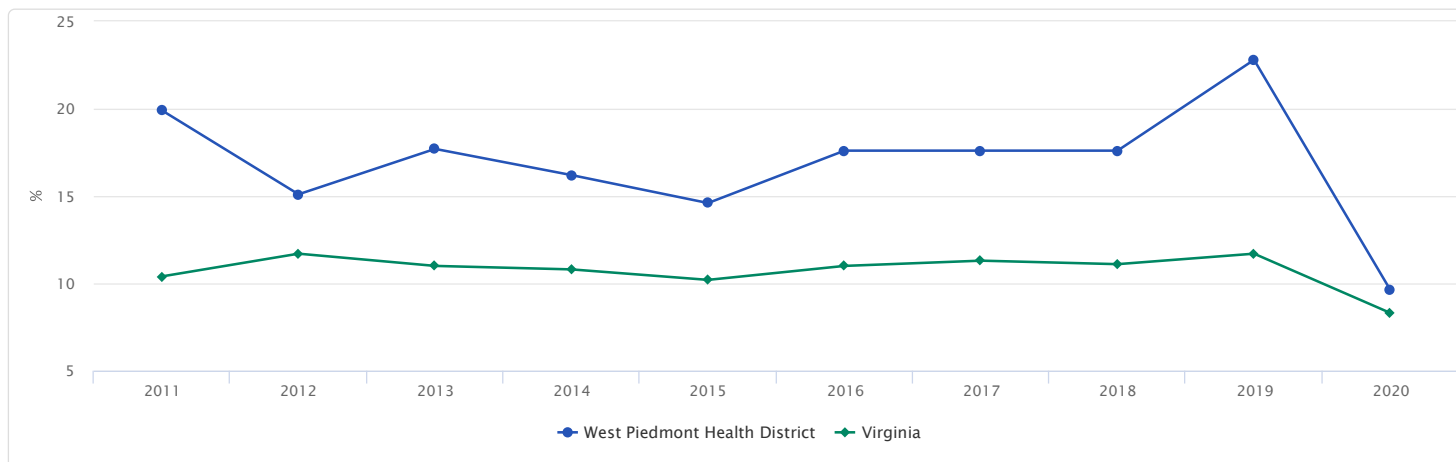
The table and chart below display trends in the percentage of adults reporting 14 or more days of poor physical health during the past 30 days for years 2011 through 2020.

Note: An asterisk on rates denotes that rates were estimated based on a sample with sample size < 50. Use caution in interpreting such cases.

Report Area	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
West Piedmont Health District	19.9%*	15.1%*	17.7%*	16.2%*	14.6%*	17.6%*	17.6%*	17.6%*	22.8%*	9.6%*
Virginia	10.4%	11.7%	11.0%	10.8%	10.2%	11.0%	11.3%	11.1%	11.7%	8.3%

Note: No county data available. See data source and methodology for more details.

Data Source: Virginia Department of Health, [Behavioral Risk Factor Surveillance Survey](#). Data directly obtained via email from Virginia Department of Health. 2020.



Access to Care

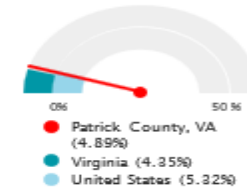
Proportion of Children Under Age 19 Uninsured

The lack of health insurance is considered a *key driver* of health status.

This indicator reports the percentage of children under age 19 without health insurance coverage. This indicator is relevant because lack of insurance is a primary barrier to healthcare access including regular primary care, specialty care, and other health services that contributes to poor health status.

Report Area	Total Population Aged 0-18	Pop. Aged 0-18 w/ Insurance	Pop. Aged 0-18 w/ Insurance, Percent	Pop. Aged 0-18 w/o Insurance	Pop. Aged 0-18 w/o Insurance, Percent
Patrick County, VA	3,170	3,015	95.11%	155	4.89%
West Piedmont Health District	27,244	26,030	95.54%	1,214	4.46%
Virginia	1,950,906	1,865,965	95.65%	84,941	4.35%
United States	75,979,898	71,938,607	94.68%	4,041,291	5.32%

Percent Population Under Age 19 Without Medical Insurance



Note: This indicator is compared to the state average.
 Data Source: US Census Bureau, [Small Area Health Insurance Estimates](#), 2021.

Proportion of Adults Aged 18-64 Uninsured

The lack of 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. This indicator is relevant because lack of insurance is a primary barrier to healthcare access including regular primary care, specialty care, and other health services that contributes to poor health status.

Report Area	Total Population Age 18-64	Pop. Age 18-64 w/ Insurance	Pop. Age 18-64 w/ Insurance, Percent	Pop. Age 18-64 w/o Insurance	Pop. Age 18-64 w/o Insurance, Percent
Patrick County, VA	9,647	8,650	89.67%	997	10.33%
West Piedmont Health District	75,524	67,345	89.17%	8,179	10.83%
Virginia	5,161,656	4,680,595	90.68%	481,061	9.32%
United States	197,133,424	173,254,919	87.89%	23,878,505	12.11%

Note: This indicator is compared to the state average.

Data Source: US Census Bureau, [Small Area Health Insurance Estimates](#), 2021.

Healthcare Providers - Primary Care Providers Rate

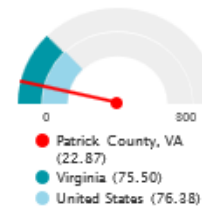
This indicator reports the number of primary care physicians per 100,000 population. Doctors classified as "primary care physicians" by the AMA include: General Family Medicine MDs and DOs, General Practice MDs and DOs, General Internal Medicine MDs and General Pediatrics MDs. Physicians aged 75 and over and physicians practicing sub-specialties within the listed specialties are excluded. This indicator is relevant because a shortage of health professionals contributes to access and health status issues and is used in the 2023 County Health Rankings.

Within the report area there are 4 primary care physicians. This represents 22.87 providers per 100,000 total population. *Note: Data are suppressed for counties with population greater than 2,000 and 0 primary care physicians.*

Report Area	Total Population	Primary Care Physicians	Primary Care Physicians, Rate per 100,000 Population
Patrick County, VA	17,493	1	This # is low because it includes physicians who live but do not work in Patrick County 22.87
Virginia	8,590,560	6,486	75.50
United States	329,484,000	251,647	76.38

Note: This indicator is compared to the state average.

Primary Care Providers, Rate per 100,000 Population



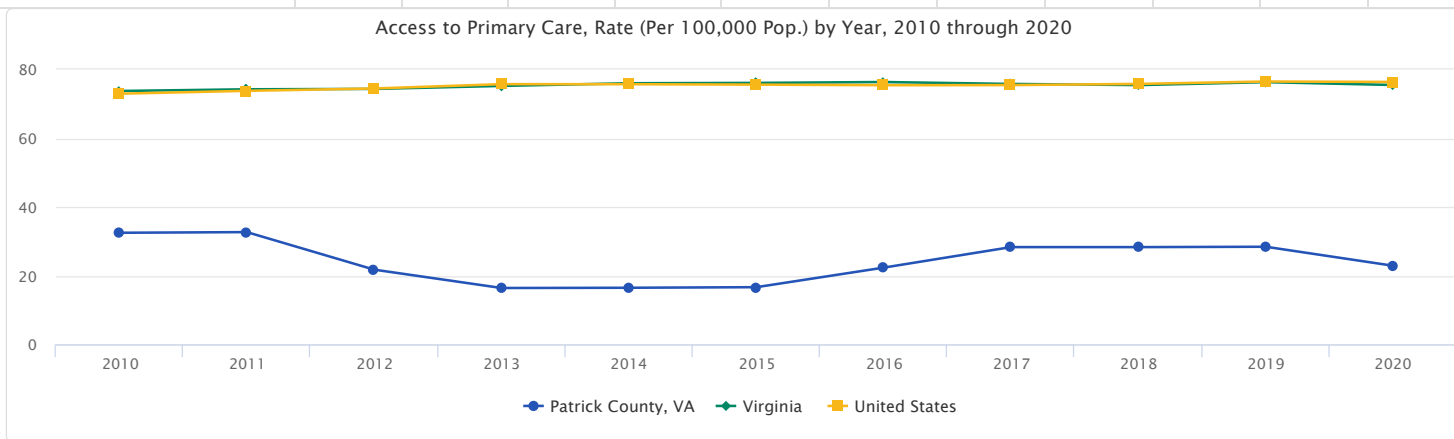
Note: This indicator is compared to the state average.

Data Source: US Department of Health & Human Services, Health Resources and Services Administration, [HRSA - Area Health Resource File](#). Accessed via [County Health Rankings](#), 2020.

Access to Primary Care, Rate (Per 100,000 Pop.) by Year, 2010 through 2020

This indicator reports the rate of primary care physicians per 100,000 population by year.

Report Area	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Patrick County, VA	32.47	32.66	21.73	16.39	16.46	16.63	22.32	28.30	28.29	28.40	22.87
Virginia	73.75	74.24	74.35	75.23	76.00	76.10	76.36	75.80	75.47	76.32	75.50
United States	72.96	73.79	74.48	75.74	75.72	75.60	75.43	75.47	75.81	76.51	76.38



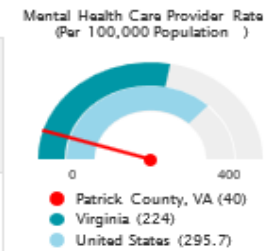
Healthcare Providers - Mental Health Providers Rate

This indicator reports the number of mental health providers in the report area as a rate per 100,000 total area population. Mental health providers are defined as psychiatrists, psychologists, licensed clinical social workers, counselors, marriage and family therapists, and mental health providers that treat alcohol and other drug abuse, as well as advanced practice nurses specializing in mental health care. Data from the 2022 Centers for Medicare and Medicaid Services (CMS) National Provider Identifier (NPI) downloadable file are used in the 2023 County Health Rankings.

Within the report area there are 7 mental health providers with a CMS National Provider Identifier (NPI). This represents 40 providers per 100,000 total population.

Note: Data are suppressed for counties with population greater than 1,000 and 0 mental health providers.

Report Area	Estimated Population	Number of Mental Health Providers	Ratio of Mental Health Providers to Population (1 Provider per x Persons)	Mental Health Care Provider Rate (Per 100,000 Population)
Patrick County, VA	17,500	7	2,500	40
Virginia	8,634,821	19,342	446.4	224
United States	331,855,734	981,414	338.1	295.7



Note: This indicator is compared to the state average.

Data Source: Centers for Medicare and Medicaid Services, [CMS - National Plan and Provider Enumeration System \(NPES\)](#). Accessed via [County Health Rankings](#), 2022.

Health Behaviors

Adults Overweight or Obese by Year, 2011 through 2020

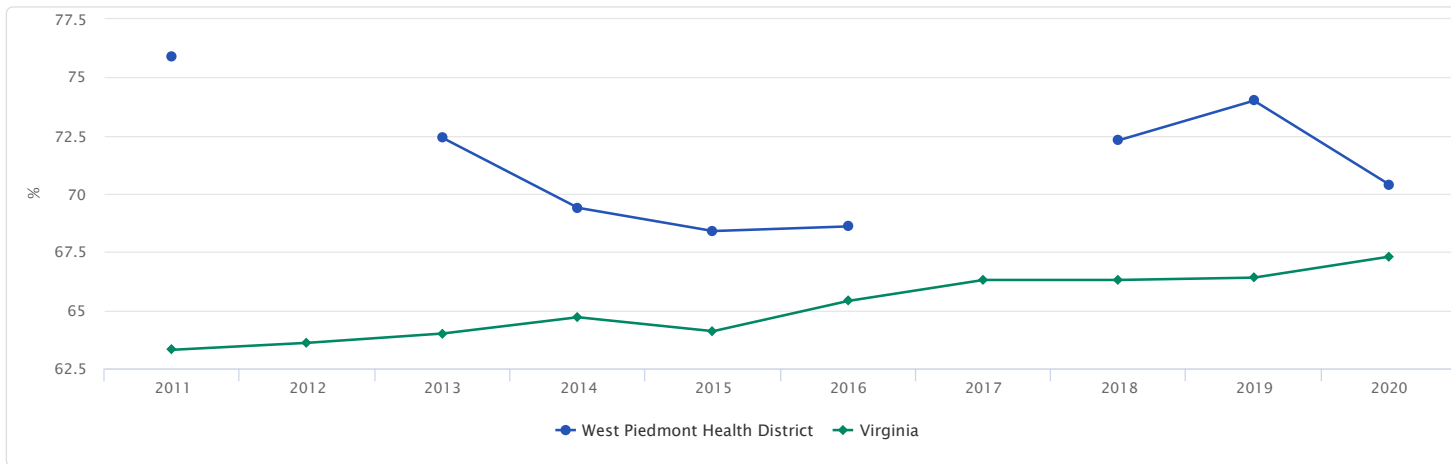
The table and chart below display trends in the percentage of adults who are overweight or obese (body mass index greater than 25.0) for years 2011 through 2020.

Note: An asterisk on rates denotes that rates were estimated based on a sample with sample size < 50. Use caution in interpreting such cases.

Report Area	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
West Piedmont Health District	75.9%	Suppressed	72.4%	69.4%	68.4%	68.6%	Suppressed	72.3%	74.0%	70.4%
Virginia	63.3%	63.6%	64.0%	64.7%	64.1%	65.4%	66.3%	66.3%	66.4%	67.3%

Note: No county data available. See data source and methodology for more details.

Data Source: Virginia Department of Health, Behavioral Risk Factor Surveillance Survey. Data directly obtained via email from Virginia Department of Health. 2021.



VA

Adults Who are Current Smokers by Year, 2011 through 2020

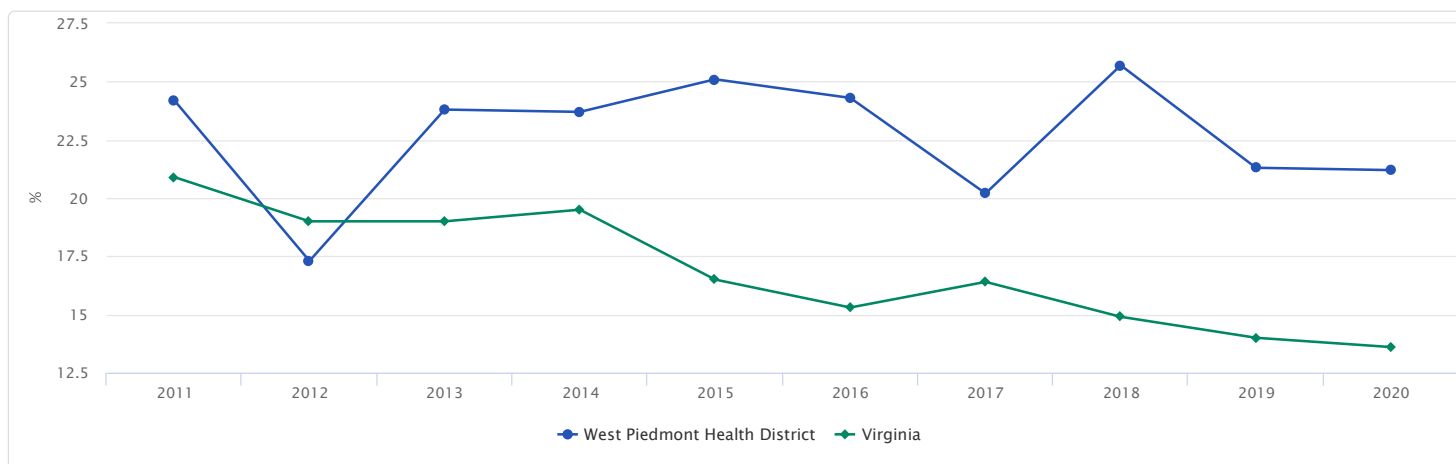
The table and chart below display trends in the percentage of adults who are current smokers (i.e., who have smoked 100 cigarettes in their lifetime and now smoke every day or some days) for years 2011 through 2020.

Note: An asterisk on rates denotes that rates were estimated based on a sample with sample size < 50. Use caution in interpreting such cases.

Report Area	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
West Piedmont Health District	24.2%	17.3%	23.8%	23.7%	25.1%	24.3%	20.2%	25.7%	21.3%	21.2%*
Virginia	20.9%	19.0%	19.0%	19.5%	16.5%	15.3%	16.4%	14.9%	14.0%	13.6%

Note: No county data available. See data source and methodology for more details.

Data Source: Virginia Department of Health, [Behavioral Risk Factor Surveillance Survey](#). Data directly obtained via email from Virginia Department of Health. 2021.



Adults Aerobically Active, Percent

This indicator reports the percentage of adults in Virginia who answered “yes” to the following question: “During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?” Regular exercise has enormous benefits including lowering the likelihood of diabetes, heart disease and stroke. Note that the data as reported in the following table and map use a different indicator than the breakout table (the trend table).

Report Area	Weighted Counts	Weighted Percent	LowerCL	UpperCL
Patrick County, VA	No data	62.2%	58.1%	66.1%
West Piedmont Health District	41,342	41.43%	31.88%	50.98%
Virginia	2,924,919	50%	48.54%	51.47%

Data Source: Virginia Department of Health, [Behavioral Risk Factor Surveillance Survey](#). Data directly obtained via email from Virginia Department of Health. 2020.

Adults Receiving Colorectal Cancer Screening by Year, 2014 through 2020

The table and chart below display trends across the years of 2014, 2016, 2017, 2018, and 2020 in the percentage of adults ages 50-75 years old who have had a sigmoidoscopy or colonoscopy.

Note: An asterisk on rates denotes that rates were estimated based on a sample with sample size < 50. Use caution in interpreting such cases.

Report Area	2014	2016	2017	2018	2020
West Piedmont Health District	Suppressed	Suppressed	Suppressed	Suppressed	Suppressed
Virginia	69.1%	70.4%	74.0%	70.1%	75.7%

Note: No county data available. See data source and methodology for more details.

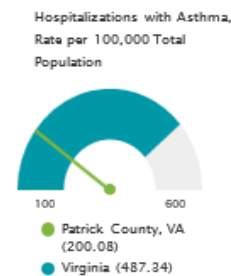
Data Source: Virginia Department of Health, [Behavioral Risk Factor Surveillance Survey](#). Data directly obtained via email from Virginia Department of Health. 2020.

Chronic Conditions

Asthma Hospitalizations, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to asthma, per 100,000 population. Asthma is a lung condition that makes it harder for air to flow out of the airways when breathing. It is a major chronic disease and is one of the most common chronic disorders in childhood. It is a leading cause of school absenteeism and pediatric hospitalizations and leads to significant numbers of lost workdays each year. While there is no cure for asthma, it can be managed and treated so people can live normal, healthy lives. The cost of medication can be an obstacle to optimal asthma care.

Report Area	Total Population	Hospitalizations with Asthma	Hospitalizations with Asthma, Rate (per 100,000 Total Population)
Patrick County, VA	17,493	35	200.08
West Piedmont Health District	136,324	546	400.52
Virginia	8,590,563	41,865	487.34



Note: This indicator is compared to the state average.

Data Source: Virginia Department of Health, [Inpatient Discharge Dataset from Virginia Health Information \(VHI\)](#). Data directly obtained via email from Virginia Department of Health 2020.

Adults with Prediabetes, Percent

This indicator reports the percentage of adults in Virginia with prediabetes or borderline diabetes (not including prediabetes during pregnancy). Prediabetes is a serious health condition where blood sugar levels are higher than normal, but not high enough yet to be diagnosed as type 2 diabetes. Although prediabetes puts people at increased risk to develop type 2 diabetes, heart disease, and stroke, people with prediabetes still have time to prevent or delay type 2 diabetes and other serious health problems by making lifestyle changes.

Report Area	Weighted Counts	Weighted Percent	LowerCL	UpperCL
Patrick County, VA	No data	15.2%	13.9%	16.6%
West Piedmont Health District	Suppressed	Suppressed	Suppressed	Suppressed
Virginia	623,258	9.29%	8.51%	10.06%

Data Source: Virginia Department of Health, [Behavioral Risk Factor Surveillance Survey](#). Data directly obtained via email from Virginia Department of Health. 2020.

Adults with Diabetes by Year, 2011 through 2020

The table and chart below display trends in the percentage of adults with diabetes (not including gestational diabetes) for years 2011 through 2020.

Note: An asterisk on rates denotes that rates were estimated based on a sample with sample size < 50. Use caution in interpreting such cases.

Report Area	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
West Piedmont Health District	15.5%	18.7%	15.0%	14.0%	16.2%	18.2%	14.9%	18.2%	18.7%	18.6%*
Virginia	10.4%	10.6%	9.8%	9.7%	10.3%	10.4%	10.5%	10.5%	10.9%	11.1%

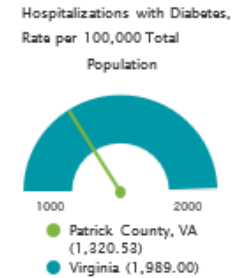
Note: No county data available. See data source and methodology for more details.

Data Source: Virginia Department of Health, [Behavioral Risk Factor Surveillance Survey](#). Data directly obtained via email from Virginia Department of Health. 2021.

Diabetes Hospitalizations, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to diabetes, per 100,000 population. Diabetes is a condition that affects how the body turns food into energy. Over time, diabetes can damage the heart, blood vessels, eyes, kidneys, and nerves. It is one of the most common chronic diseases in the United States and the seventh leading cause of death in both Virginia and the United States. Diabetes can be prevented and controlled by engaging in lifestyle changes, self-management practices, and medication.

Report Area	Total Population	Hospitalizations with Diabetes	Hospitalizations with Diabetes, Rate (per 100,000 Total Population)
Patrick County, VA	17,493	231	1,320.53
West Piedmont Health District	136,324	4,030	2,956.19
Virginia	8,590,563	170,866	1,989.00



Note: This indicator is compared to the state average.

Data Source: Virginia Department of Health, [Inpatient Discharge Dataset from Virginia Health Information \(VHI\)](#). Data directly obtained via email from Virginia Department of Health 2020.

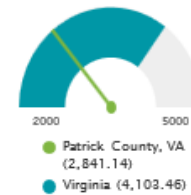
Hypertension Hospitalizations, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to hypertensive disease, per 100,000 population. Hypertension (high blood pressure) is when a person’s blood pressure, the force of their blood pushing against the walls of their blood vessels, is consistently too high. It is an important public health challenge due to its high prevalence and strong association with cardiovascular disease and premature death. Uncontrolled hypertensive disease can lead to complications, including aneurysm, chronic kidney disease, heart attack, heart failure, stroke, vision problems, metabolic syndrome, trouble with memory, and dementia.

|

Report Area	Total Population	Hospitalizations with Hypertension	Hospitalizations with Hypertension, Rate (per 100,000 Total Population)
Patrick County, VA	17,493	497	2,841.14
West Piedmont Health District	136,324	8,082	5,928.52
Virginia	8,590,563	352,510	4,103.46

Hospitalizations with Hypertension, Rate per 100,000 Total Populations



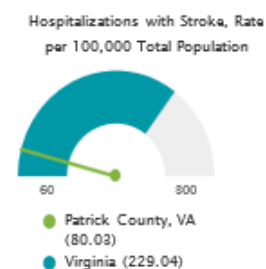
Note: This indicator is compared to the state average.

Data Source: Virginia Department of Health, [Inpatient Discharge Dataset from Virginia Health Information \(VHI\)](#). Data directly obtained via email from Virginia Department of Health 2020.

Stroke Hospitalizations, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to stroke/transient ischemic attack, per 100,000 population. An ischemic stroke occurs when the blood supply to part of the brain is interrupted or reduced, preventing brain tissue from getting oxygen and nutrients. Brain cells begin to die in minutes. A stroke is a medical emergency, and prompt treatment is crucial. Early action can reduce brain damaged and other complications. TIA, or transient ischemic attack, is a "warning stroke" that occurs when a blood clot blocks an artery for a short time. Unlike a stroke, when a TIA is over, there's no permanent injury to the brain. Since it doesn't cause permanent damaged, it's often ignored. But this is a big mistake.

Report Area	Total Population	Hospitalizations with Stroke	Hospitalizations with Stroke, Rate (per 100,000 Total Population)
Patrick County, VA	17,493	14	80.03
West Piedmont Health District	136,324	329	241.34
Virginia	8,590,563	19,676	229.04



Note: This indicator is compared to the state average. Data Source: Virginia Department of Health, Inpatient Discharge Dataset from Virginia Health Information (VHI). Data directly obtained via email from Virginia Department of Health 2020

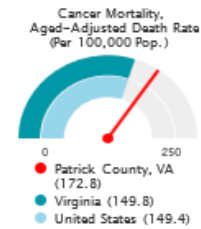
Mortality Rate

This indicator reports the 2016-2020 five-year average rate of death due to malignant neoplasm (cancer) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are summarized for report areas from county level data, only where data is available. This indicator is relevant because cancer is a leading cause of death in the United States.

Within the report area, there are a total of 279 deaths due to cancer. This represents an age-adjusted death rate of 172.8 per every 100,000 total population. *Note: Data are suppressed for counties with fewer than 20 deaths in the timeframe.*



Report Area	Total Population, 2016-2020 Averaged	Five Year Total Deaths, 2016-2020 Total	Crude Death Rate (Per 100,000 Population)	Age-Adjusted Death Rate (Per 100,000 Population)
Patrick County, VA	17,672	279	315.8	172.8
West Piedmont Health District	137,634	1,901	276.2	168.1
Virginia	8,505,119	75,783	178.2	149.8
United States	326,747,554	2,998,371	183.5	149.4



Note: This indicator is compared to the state average.

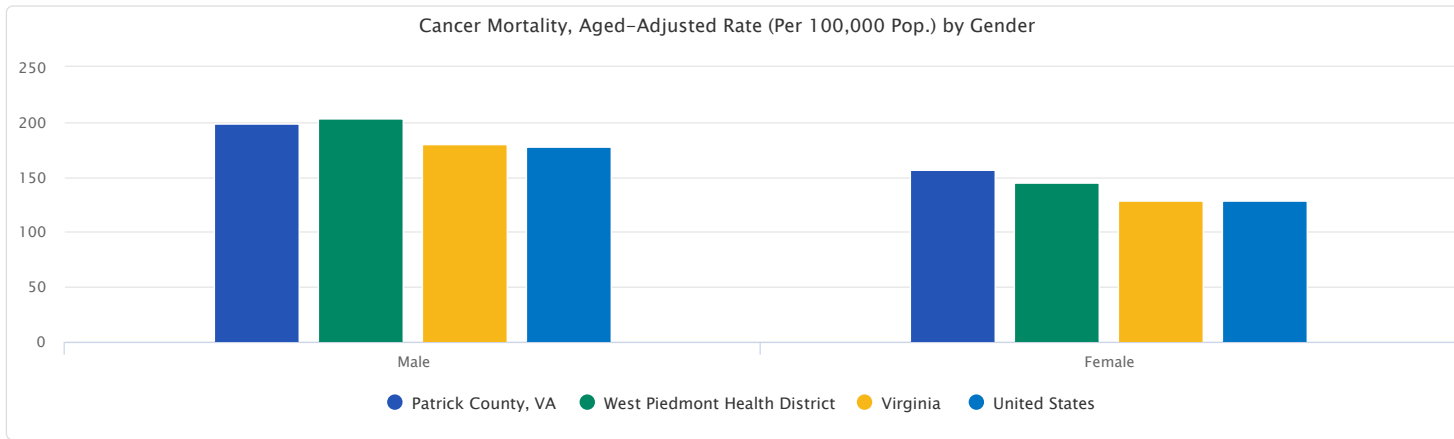
Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-20.

Cancer Mortality, Age-Adjusted Rate (Per 100,000 Pop.) by Gender

This indicator reports the age-adjusted rate of death due to cancer per 100,000 people for the 5-year period 2016-2020 by gender. The percentage values could be interpreted as, for example, "Of all the males within the report area, the age-adjusted rate of death due to cancer is (value) per 100,000 males."

Report Area	Male	Female
Patrick County, VA	198.4	156.0
West Piedmont Health District	203.1	144.3
Virginia	179.5	128.1
United States	177.1	128.9

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-20.



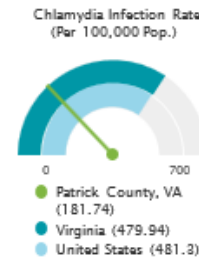
Communicable or Infectious Disease

STDs (Chlamydia) Incidence Trend

This indicator reports the number chlamydia cases occurring in the report area. Rates are presented per 100,000 population.

The number of cases is based on laboratory-confirmed diagnoses that occurred between January 1st and December 31st of the latest reporting year. These data are delivered to and analyzed by the CDC as part of the Nationally notifiable STD surveillance system.

Report Area	Total Population	Chlamydia Infections	Chlamydia Infections, Rate per 100,000 Pop.
Patrick County, VA	17,608	32	181.74
West Piedmont Health District	136,761	459	335.62
Virginia	8,535,519	40,965	479.94
United States	328,239,523	1,579,885	481.3



Note: This indicator is compared to the state average.

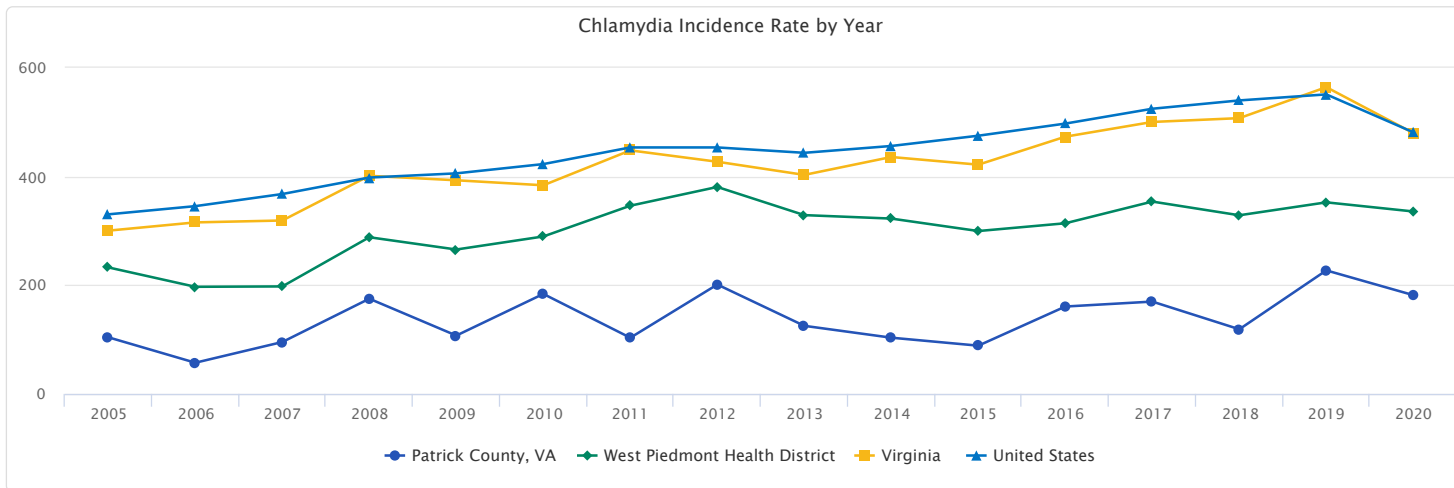
Data Source: Centers for Disease Control and Prevention, [National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention](#). 2020.

Chlamydia Incidence Rate by Year

The table below displays trends in the rate of diagnosed chlamydia cases for years 2005 through 2020. Rates are expressed per 100,000 total population.

Report Area	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Patrick County, VA	104.1	57.3	95.4	175.1	107.3	183.9	103.3	201.2	125.2	103.4	88.7	160.7	169.8	118.9	227.2	181.7
West Piedmont Health District	232.7	197.0	197.7	288.2	265.6	289.6	346.2	380.7	328.9	322.5	299.6	313.9	353.8	328.6	352.4	335.6
Virginia	300.3	315.5	319.0	401.2	393.0	383.8	448.0	427.1	402.9	435.8	421.7	473.2	500.3	507.3	564.3	479.9
United States	330.3	345.4	367.7	398.0	405.7	422.8	453.4	453.4	443.5	456.1	475.0	497.3	524.6	539.9	551.0	481.3

Data Source: Centers for Disease Control and Prevention, [National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention](#). 2020.

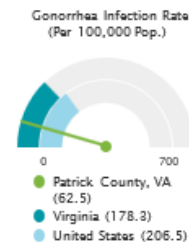


STDs (Gonorrhea) Incidence Trend

This indicator reports the number gonorrhea cases occurring in the report area. Rates are presented per 100,000 population.

The number of cases is based on laboratory-confirmed diagnoses that occurred between January 1st and December 31st of the latest reporting year. These data are delivered to and analyzed by the CDC as part of the Nationally notifiable STD surveillance system.

Report Area	Total Population	Gonorrhea Infections	Gonorrhea Infections, Rate per 100,000 Pop.
Patrick County, VA	17,608	11	62.5
West Piedmont Health District	136,761	175	128.00
Virginia	8,535,519	15,217	178.3
United States	328,239,523	677,769	206.5



Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention](#). 2020.

Gonorrhea Incidence Rate by Year

The table below displays trends in the rate of diagnosed gonorrhea cases for years 2005 through 2018. Rates are expressed per 100,000 total population.

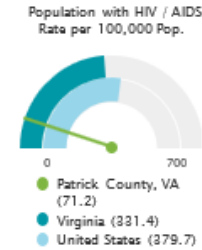
Report Area	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Patrick County, VA	20.8	10.4	0.0	21.2	26.8	10.8	5.4	16.3	10.9	43.6	11.1	5.5	62.3	45.3	51.1	62.5
West Piedmont Health District	78.0	37.5	35.0	69.9	75.7	49.8	31.7	56.3	80.8	131.8	89.4	115.9	142.3	143.0	117.7	128.0
Virginia	110.6	84.8	81.4	132.9	99.1	92.2	80.4	84.1	84.2	99.9	96.6	132.2	148.7	139.0	162.1	178.3
United States	114.9	120.1	118.1	110.7	98.2	100.0	103.3	106.7	105.3	110.7	123.0	145.8	170.6	179.1	187.8	206.5

Data Source: Centers for Disease Control and Prevention, [National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention](#). 2020.

New HIV/AIDS Infections

This indicator reports the prevalence of HIV in the report area as a rate per 100,000 population over age 13. The data reflect persons living with diagnosed HIV infection at the end of the latest reporting year, or persons living with infection ever classified as staged 3 (AIDS) at the end of the latest report year.

Report Area	Population Age 13+	Population with HIV / AIDS	Population with HIV / AIDS, Rate per 100,000 Pop.
Patrick County, VA	15,444	11	71.2
West Piedmont Health District	118,065	166	140.60
Virginia	7,255,595	24,046	331.4
United States	277,596,976	1,054,159	379.7



Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention](#). 2020.

HIV Prevalence Rate by Year

The table below displays trends in the prevalence rate for HIV/AIDS for years 2009 through 2018. Rates are expressed per 100,000 population age 13 and older.

Report Area	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Patrick County, VA	51.1	51.0	No data	68.6	68.9	No data	75.9	64.1	77.2	45.1
West Piedmont Health District	No data	113.1	No data	118.0	118.9	No data	122.2	118.2	125.9	137.3
Virginia	296.7	295.3	292.4	300.5	304.4	302.4	307.7	306.7	315.3	321.7
United States	322.2	329.7	336.8	343.5	353.2	355.8	362.3	361.1	367.0	372.8

Data Source: Centers for Disease Control and Prevention, [National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention](#). 2020.

Maternal and Child Health

Infant Mortality, Rate per 1,000 Live Births

This indicator reports the three-year averaged rate of deaths of infants per 1,000 live births with Virginia residence from 2018 to 2020. Infant mortality is defined as deaths of children under one year of age, some of whom may have been born in the previous year. The leading causes of infant death include birth defects, preterm birth and low birth weight, sudden infant death syndrome, injuries (e.g., suffocation), and maternal pregnancy complications. High rates of infant mortality indicate the existence of broader issues pertaining to access to care and maternal and child health.

Note: Counts between 1 and 4 are suppressed and all rates with counts <= 12 should be regarded as unstable.

Report Area	Total Live Births (2018-2020)	Total Infant Deaths (2018-2020)	Infant Deaths, Rate (per 1,000 Total Live Births)
Patrick County, VA	Suppressed	Suppressed	2.74
West Piedmont Health District	3,679	37	10.06
Virginia	291,926	1,679	5.75

Data Source: Virginia Department of Health, [Vital Event Statistics Program](#), Office of Information Management - Virginia Department of Health. Data directly obtained via email from Virginia Vital Statistics 2018-20.

Infant Mortality Trend over Time, 2012 through 2020

This indicator reports the 2012 to 2020 three-year period trend of the rate of infant deaths per 1,000 live births with Virginia residence.

Note: An asterisk on rates denotes that rates were derived from counts <= 12 and should be regarded as unstable.

Report Area	2012-2014	2015-2017	2018-2020
Patrick County, VA	4.94*	6.77*	2.74*
West Piedmont Health District	5.38	6.84	10.06
Virginia	5.11	5.87	5.75

Data Source: Virginia Department of Health, [Vital Event Statistics Program](#), Office of Information Management - Virginia Department of Health. Data directly obtained via email from Virginia Vital Statistics 2018-20.

Infant Mortality by Race/Ethnicity, Trend Over Time, 2012 through 2020

This indicator reports the 2012 to 2020 three-year period trend of the rate of infant deaths per 1,000 live births with Virginia residence by race and ethnicity. *Note: An asterisk on rates denotes that rates were derived from counts <= 12 and should be regarded as unstable.*

Infant Mortality by Race/Ethnicity - State of Virginia

Time Frame	White	Black	Asian Pacific	American Alaska	Hispanic	Non-Hispanic
2012-2014	4.24	9.65	0.77	0.00*	2.41	5.24
2015-2017	4.62	10.94	3.78	7.02*	5.05	6.00
2018-2020	4.64	10.17	3.41	4.42*	5.46	5.80

Data Source: Virginia Department of Health, Vital Event Statistics Program, Office of Information Management - Virginia Department of Health. Data directly obtained via email from Virginia Vital Statistics 2018-20.

Low Birth Weight, Percent of Total Live Births

This indicator reports the percentage of low birthweight births of total live births with Virginia residence in 2020. A low weight birth is defined as one in which the birth weight is less than 2,500 grams (5 pounds 8 ounces), regardless of gestation. A low weight birth may occur when an infant is born too early (premature). These infants may have an increased risk of serious health problems. Smoking cigarettes, being exposed to secondhand tobacco smoke, drinking alcohol, and taking certain drugs during pregnancy can increase the risk of having an infant with a low birth weight.

Note: Counts between 1 and 4 are suppressed and all rates with counts <= 12 should be regarded as unstable.

Report Area	Total Live Births	Low Birth Weight	Low Birth Weight, Percent
Patrick County, VA	125	10	8.00%
West Piedmont Health District	1,186	114	9.61%
Virginia	94,694	7,852	8.29%

Data Source: Virginia Department of Health, Vital Event Statistics Program, Office of Information Management - Virginia Department of Health. Data directly obtained via email from Virginia Vital Statistics 2020.

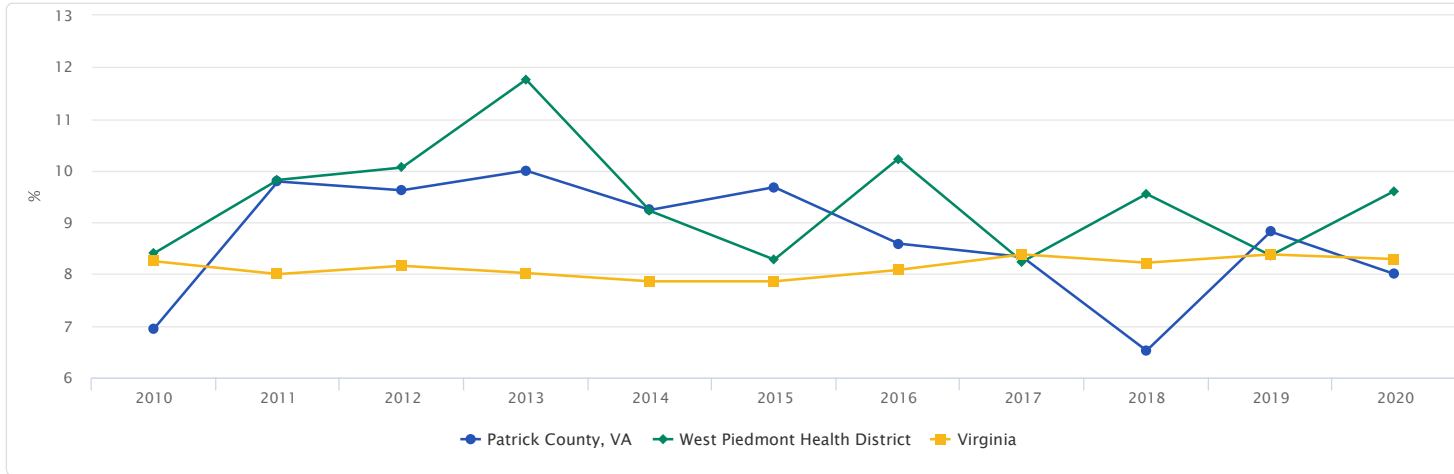
Low Birth Weight by Year, 2010 through 2020

The table and chart below display trends in the percentage of low-birth-weight births of total live births with Virginia residence for years 2010 through 2020.

Note: An asterisk on rates denotes that rates were derived from counts <= 12 and should be regarded as unstable.

Report Area	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Patrick County, VA	6.94%*	9.79%	9.62%	10.00%	9.24%*	9.68%*	8.59%	8.33%	6.52%*	8.82%*	8.00%*
West Piedmont Health District	8.40%	9.82%	10.06%	11.76%	9.22%	8.28%	10.23%	8.24%	9.55%	8.36%	9.61%
Virginia	8.25%	8.00%	8.16%	8.02%	7.86%	7.86%	8.08%	8.38%	8.22%	8.38%	8.29%

Data Source: Virginia Department of Health, [Vital Event Statistics Program, Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2020.



Teen Pregnancy, Rate Per 1,000 Females Aged 15-19

This indicator reports the rate of pregnancies per 1,000 females aged 15 to 19 years old with Virginia residence in 2020. Teen pregnancy has unique medical risks as lack of prenatal care, high blood pressure, premature birth, low birth weight, STDs, and postpartum depression. Apart from health concerns, teen pregnancy also has serious social and economic consequences.

Teen births are more likely to lead to poor outcomes for both teenaged mothers and their children.

Note: Counts between 1 and 4 are suppressed and all rates with counts <= 12 should be regarded as unstable.

Report Area	Female Population Ages 15-19	Pregnancies of Females Ages 15-19	Teen Pregnancies, Rate (per 1,000 Females Ages 15-19)
Patrick County, VA	385	9	23.38
West Piedmont Health District	3,687	106	28.75
Virginia	267,017	4,612	17.27

Data Source: Virginia Department of Health, [Vital Event Statistics Program](#), [Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2020.

Teen Pregnancy by Year, 2010 through 2020

The table and chart below display trends in the rate of pregnancies per 1,000 females aged 15 to 19 years old with Virginia residence for years 2010 through 2020.

Note: An asterisk on rates denotes that rates were derived from counts <= 12 and should be regarded as unstable.

Report Area	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Patrick County, VA	43.31	24.39*	32.00	26.00	31.68	28.81	26.79*	22.83*	16.79*	29.93*	23.38*
West Piedmont Health District	46.79	40.27	39.73	34.41	30.05	29.66	28.04	25.65	24.10	31.41	28.75
Virginia	39.87	35.46	31.85	27.70	24.90	23.25	20.87	19.43	18.86	17.84	17.27

Data Source: Virginia Department of Health, [Vital Event Statistics Program](#), [Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2020.

Preterm Births, Percent of Total Live Births

This indicator reports the percentage of preterm births of total live births with Virginia residence in 2020. Preterm birth is defined as births that occur before 37 weeks of pregnancy have been completed. Preterm birth and low birth weight account for a high rate of infant deaths and disabilities. Babies who survive may have lots of problems as breathing problems, feeding difficulties, or developmental delay. Spontaneous preterm delivery is the leading cause of neonatal morbidity in the United States and is the most common reason for hospitalization during pregnancy.

Note: Counts between 1 and 4 are suppressed and all rates with counts <= 12 should be regarded as unstable.

Report Area	Total Live Births	Preterm Births	Preterm Births, Percent
Patrick County, VA	125	16	12.80%
West Piedmont Health District	1,186	119	10.03%
Virginia	94,694	9,091	9.60%

Data Source: Virginia Department of Health, [Vital Event Statistics Program, Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2020.

Preterm Births by Year, 2010 through 2020

The table and chart below display trends in the percentage of preterm births of total live births with Virginia residence for years 2010 through 2020.

Note: An asterisk on rates denotes that rates were derived from counts <= 12 and should be regarded as unstable.

Report Area	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Patrick County, VA	9.83%	11.89%	8.33%	13.08%	10.92%	8.06%*	9.82%	9.62%	7.25%*	7.84%*	12.80%
West Piedmont Health District	10.59%	9.60%	10.79%	11.38%	9.31%	9.31%	10.53%	8.90%	9.63%	8.52%	10.03%
Virginia	10.09%	9.47%	9.48%	9.37%	9.13%	9.22%	9.54%	9.53%	9.41%	9.88%	9.60%

Data Source: Virginia Department of Health, [Vital Event Statistics Program, Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2020.

Neonatal Abstinence Syndrome (NAS), Rate per 1,000 Birth Hospitalizations

This indicator reports the number and rate of hospital inpatient stays due to neonatal abstinence syndrome (NAS), per 1,000 birth hospitalizations. Neonatal Abstinence Syndrome (NAS) is also known as neonatal drug dependency or withdrawal symptoms, and predominantly occurs from maternal use of opiates, such as heroin, or opioids such as methadone, fentanyl, and prescription pain medications during pregnancy. Babies with NAS are at increased risk of low birthweight, jaundice, seizures, and sudden infant death syndrome (SIDS), in addition to withdrawal signs. NAS represents a significant public health concern given the association of opioid exposure and adverse maternal and neonatal outcomes, including preterm labor, stillbirth, neonatal abstinence syndrome, and maternal mortality.

Note:

3. Interpret with caution where indicator has a numerator < 20.

4. Suppression rules apply where denominator < 250.

Report Area	Birth Hospitalizations	Birth Hospitalizations with NAS	Birth Hospitalizations with NAS, Rate (per 1,000 Birth Hospitalizations)
Patrick County, VA	Suppressed	Suppressed	21.3
West Piedmont Health District	956	20	20.9
Virginia	83,213	474	5.7

Data Source: Virginia Department of Health, [Virginia Department of Health, Office of Information Management, Division of Health Statistics](#). Data directly obtained via email from Virginia Department of Health 2020.

Mothers with Late or No Prenatal Care, Percent of Total Live Births

This indicator reports the percentage of mothers who have not received adequate prenatal care of total live births with Virginia residence in 2020. Late or no prenatal care is defined as pregnancy-related care beginning in the 3rd trimester (7-9 months) or when no pregnancy-related care was received at all. Prenatal care reduces complications during pregnancy and prevents problems during delivery. A lack of adequate prenatal care increases the risk of low birth weight and other poor birth outcomes from medical conditions or behavior risk factors during pregnancy.

Note: Counts between 1 and 4 are suppressed and all rates with counts <= 12 should be regarded as unstable.

Report Area	Total Live Births	Mothers with Late/No Prenatal Care	Mothers with Late/No Prenatal Care, Percent of Total Live Births
Patrick County, VA	Suppressed	Suppressed	1.60%
West Piedmont Health District	1,186	48	4.05%
Virginia	94,694	3,851	4.07%

Data Source: Virginia Department of Health, [Vital Event Statistics Program, Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2020.

Mothers with Late or No Prenatal Care by Year, 2013 through 2020

The table and chart below display trends in the percentage of mothers who have not received adequate prenatal care of total live births with Virginia residence for years 2013 through 2020.

Note: An asterisk on rates denotes that rates were derived from counts <= 12 and should be regarded as unstable.

Report Area	2013	2014	2015	2016	2017	2018	2019	2020
Patrick County, VA	0.77%*	1.68%*	0.81%*	4.29%*	2.56%*	5.07%*	2.94%*	1.60%*
West Piedmont Health District	2.60%	2.53%	2.96%	5.48%	5.88%	5.55%	6.15%	4.05%
Virginia	2.92%	2.80%	3.10%	3.65%	4.21%	4.60%	5.04%	4.07%

Data Source: Virginia Department of Health, [Vital Event Statistics Program, Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2020.

Maternal Opioid Use Disorder (OUD), Rate per 1,000 Delivery Hospitalizations

This indicator reports the number and rate of hospital inpatient stays due to maternal opioid use disorder, per 1,000 delivery hospitalizations. Maternal opioid use disorder refers to maternal drug dependency or non-dependency use of opiates or opioids such as heroin, methadone, and prescription pain medications diagnosed during a delivery hospitalization. Maternal opioid use disorder can cause many negative health outcomes for mothers and their babies, both during pregnancy and after delivery. Infants can be born with breathing and feeding problems, and mothers are at risk of opioid-related overdoses. *Note:*

3. Interpret with caution where indicator has a numerator < 20.

4. Suppression rules apply where denominator < 250.

Report Area	Delivery Hospitalizations	Delivery Hospitalizations with OUD	Delivery Hospitalizations with OUD, Rate (per 1,000 Delivery Hospitalizations)
Patrick County, VA	Suppressed	Suppressed	40.00
West Piedmont Health District	965	15	15.54
Virginia	83,938	397	4.72

Data Source: Virginia Department of Health, [Virginia Department of Health, Office of Information Management, Division of Health Statistics](#). Data directly obtained via email from Virginia Department of Health 2020.

Smoking during Pregnancy, Percent of Total Live Births

This indicator reports the percentage of women who smoke during pregnancy of total live births with Virginia residence in 2020. Smoking during pregnancy harms both mother and baby, increasing the risk of miscarriage, pregnancy complications, preterm delivery, low birth weight, defects in the lung and brain of the unborn baby, and sudden infant death syndrome (SIDS). To be safe, any kind of cigarettes at any amount should be completely quit during pregnancy.

Note: Counts between 1 and 4 are suppressed and all rates with counts <= 12 should be regarded as unstable.

Report Area	Total Live Births	Women Smoking during Pregnancy	Women Smoking during Pregnancy, Percent of Total Live Births
Patrick County, VA	125	22	17.60%
West Piedmont Health District	1,186	172	14.50%
Virginia	94,694	4,709	4.97%

Data Source: Virginia Department of Health, [Vital Event Statistics Program, Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2020.

Smoke during Pregnancy by Year, 2010 through 2020

The table and chart below display trends in the percentage of women who smoke during pregnancy of total live births with Virginia residence for years 2010 through 2020.

Note: An asterisk on rates denotes that rates were derived from counts <= 12 and should be regarded as unstable.

Report Area	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Patrick County, VA	17.92%	7.69%*	9.62%	23.85%	24.37%	19.35%	21.47%	19.87%	18.12%	23.53%	17.60%
West Piedmont Health District	17.08%	9.68%	9.33%	12.30%	11.59%	9.98%	12.79%	10.61%	12.24%	15.38%	14.50%
Virginia	5.83%	4.89%	5.07%	6.31%	5.60%	6.06%	6.09%	5.57%	5.46%	5.24%	4.97%

Data Source: Virginia Department of Health, [Vital Event Statistics Program, Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2020.

Maternal Mortality, Rate Per 100,000 Live Births

This indicator reports the three-year averaged rate of maternal deaths per 100,000 live births with Virginia residence from 2018 to 2020. Maternal death is defined as deaths during pregnancy and up to 42 days postpartum that are related to pregnancy. The leading causes for maternal mortality include a health condition getting worse because of pregnancy, a pregnancy complication, or treatment provided during pregnancy. Maternal mortality could be prevented by healthy lifestyles, prenatal care, and early recognition and management of potential complications.

Note: Counts between 1 and 4 are suppressed and all rates with counts <= 12 should be regarded as unstable.

Report Area	Total Live Births (2018-2020)	Total Maternal Deaths (2018-2020)	Maternal Mortality, Rate (per 100,000 Total Live Births)
Patrick County, VA	Suppressed	Suppressed	821.92
West Piedmont Health District	Suppressed	Suppressed	108.73
Virginia	289,952	139	47.94

Data Source: Virginia Department of Health, [Vital Event Statistics Program, Office of Information Management - Virginia Department of Health](#). Data directly obtained via email from Virginia Vital Statistics 2018-20.

Substance Use Disorder

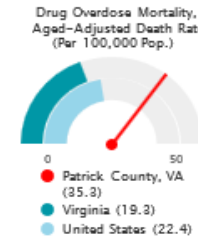
Drug Overdose Deaths (All Substances), Rate per 100,000 Population

This indicator reports the 2016-2020 five-year average rate of death due to drug overdose of all substances per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are re-summarized for report areas from county level data, only where data is available. This indicator is relevant because drug overdose is the leading cause of injury deaths in the United States, and they have increased dramatically in recent years.

Within the report area, there are a total of 24 deaths due to drug overdose for all substances. This represents an age-adjusted death rate of 35.3 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the timeframe.

Report Area	Total Population, 2016-2020 Averaged	Five Year Total Deaths, 2016-2020 Total	Crude Death Rate (Per 100,000 Population)	Age-Adjusted Death Rate (Per 100,000 Population)
Patrick County, VA	17,672	24	27.2	35.3
West Piedmont Health District	137,634	213	31.0	35.3
Virginia	8,505,119	8,147	19.2	19.3
United States	326,747,554	363,665	22.3	22.4



Note: This indicator is compared to the state average.

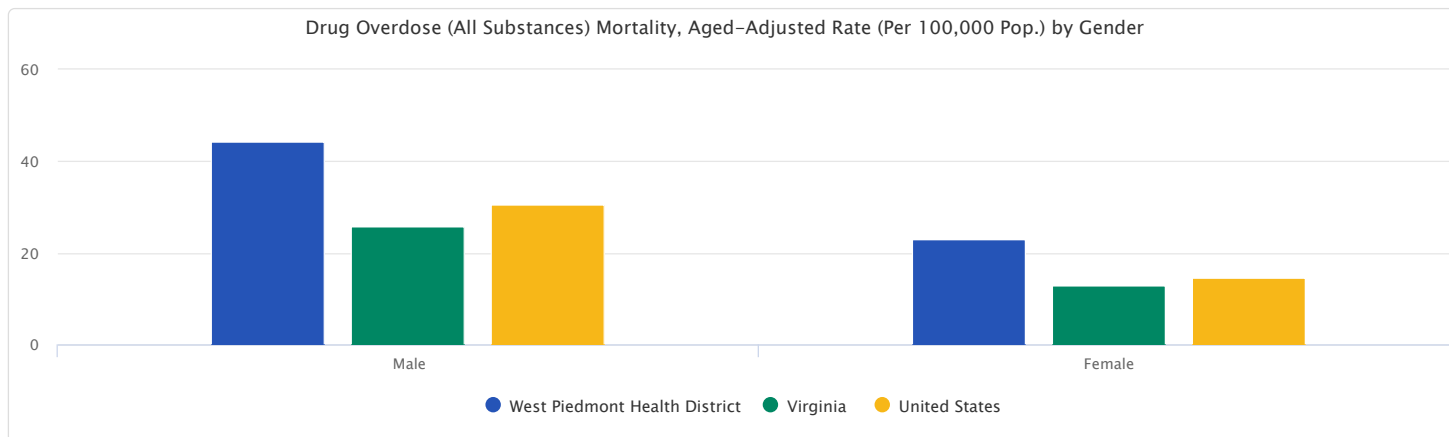
Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-2020.

Drug Overdose (All Substances) Mortality, Age-Adjusted Rate (Per 100,000 Pop.) by Gender

This indicator reports the age-adjusted rate of death due to drug overdose (all substances) per 100,000 people by gender. The percentage values could be interpreted as, for example, "Of all the males within the report area, the age-adjusted rate of death due to drug overdose for all substances is (value) per 100,000 males."

Report Area	Male	Female
Patrick County, VA	No data	No data
West Piedmont Health District	44.2	23.0
Virginia	25.9	12.8
United States	30.5	14.5

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-2020.

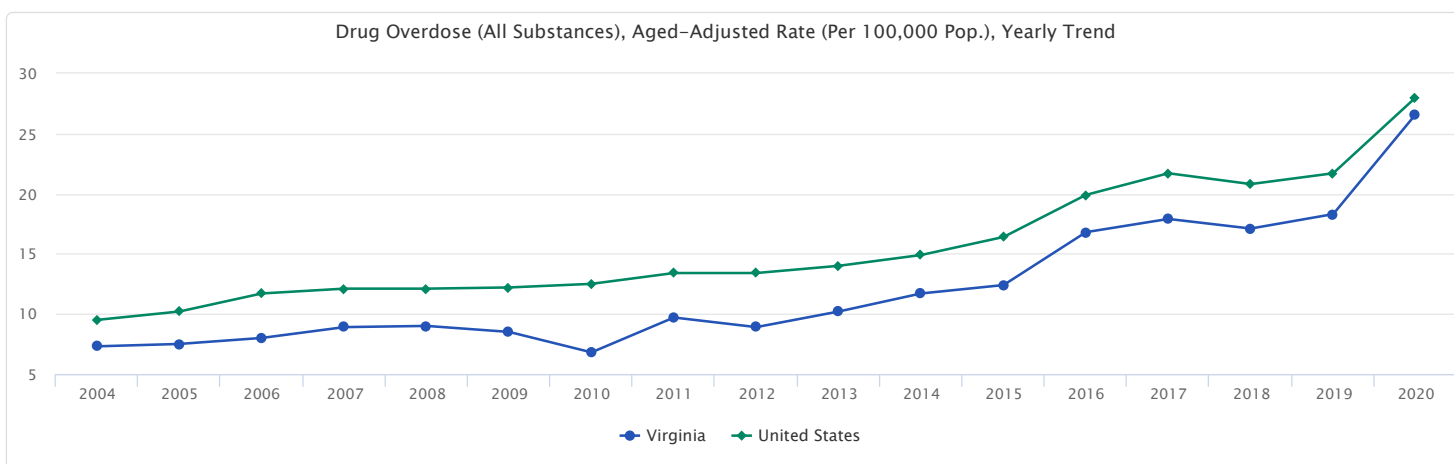


Drug Overdose (All Substances), Age-Adjusted Rate (Per 100,000 Pop.), Yearly Trend

This indicator reports the age-adjusted rate of death due to drug overdose for all substances per 100,000 people over time.

Report Area	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Virginia	7.3	7.5	8.0	8.9	9.0	8.5	6.8	9.7	8.9	10.2	11.7	12.4	16.8	17.9	17.1	18.3	26.6
United States	9.5	10.2	11.7	12.1	12.1	12.2	12.5	13.4	13.4	14.0	14.9	16.4	19.9	21.7	20.8	21.7	28.0

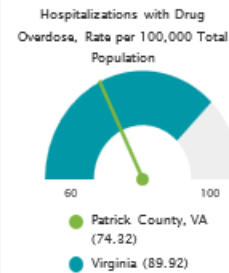
Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#), 2016-2020.



Drug Overdose Hospitalizations, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to drug overdose, per 100,000 population. A drug overdose is accidentally or intentionally taking too much of a substance, whether it's prescription, over-the-counter, legal, or illegal, that is more than the recommended amount of a drug or enough to have a harmful effect on one's body's functions. An overdose can lead to serious medical complications, including death. The overdose epidemic is a widespread public health emergency, contributing to an increase in hospitalizations, deaths, and outbreaks of infectious diseases linked to intravenous drug use. It results in heavy economic costs from death, lost productivity and avoidable expenditures.

Report Area	Total Population	Hospitalizations with Drug Overdose	Hospitalizations with Drug Overdose, Rate (per 100,000 Total Population)
Patrick County, VA	17,493	13	74.32
West Piedmont Health District	136,324	154	112.97
Virginia	8,590,563	7,725	89.92



Note: This indicator is compared to the . Data Source: Virginia Department of Health, [Virginia Department of Health](#). Data directly obtained via email from Virginia Department of Health 2020.

Substance Use Disorder (SUD) Hospitalizations, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to substance use disorder (SUD), per 100,000 population. The term substance as used for this indicator is defined as drugs with potential for abuse and dependence, excluding alcohol, substances that cause adverse effects in therapeutic use, and underdosing. SUD is defined as a chronic, relapsing disorder characterized by compulsive drug seeking, continued use despite harmful consequences, and long-lasting changes in the brain. It is considered both a complex brain disorder and a mental illness. The most severe form of a full spectrum of SUD is also called addiction. SUD is a significant public health issue and leads to human, social, health and economic costs including substance-related violence, criminal acts, health care needs, rehabilitative services, reduced labor productivity and judicial expenditures.

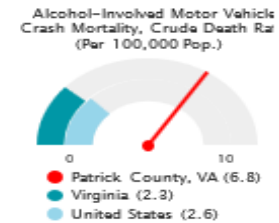
Rate of Alcohol-Impaired Driving Deaths

Motor vehicle crash deaths are preventable and are a leading cause of death among young persons. This indicator reports the crude rate of persons killed in motor vehicle crashes involving alcohol as a rate per 100,000 population. Fatality counts are based on the location of the crash and not the decedent's residence.

Within the report area, there are a total of 6 deaths due to motor vehicle crash involving alcohol. The crude rate per 100,000 total population is 6.8.

Note: Fatality counts are based on the location of the crash and not the decedent's residence.

Report Area	Total Population (2020)	Alcohol-Involved Crash Deaths (2016-2020)	Alcohol-Involved Crash Deaths, Annual Rate per 100,000 Population
Patrick County, VA	17,608	6	6.8
West Piedmont Health District	136,518	41	6.0
Virginia	8,631,393	1,244	2.3
United States	334,735,149	50,278	2.6



Note: This indicator is compared to the state average.

Data Source: US Department of Transportation, National Highway Traffic Safety Administration, [Fatality Analysis Reporting System](#), 2016-2020.

Mental Health

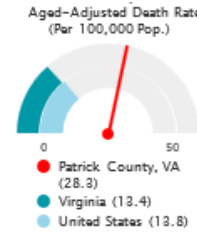
Deaths by Suicide

This indicator reports the 2016-2020 five-year average rate of death due to intentional self-harm (suicide) per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are re-summarized for report areas from county level data, only where data is available. This indicator is relevant because suicide is an indicator of poor mental health.

Within the report area, there are a total of 24 deaths due to suicide. This represents an age-adjusted death rate of 28.3 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the timeframe.

Report Area	Total Population, 2016-2020 Averaged	Five Year Total Deaths, 2016-2020 Total	Crude Death Rate (Per 100,000 Population)	Age-Adjusted Death Rate (Per 100,000 Population)
Patrick County, VA	17,672	24	27.2	28.3
West Piedmont Health District	137,634	140	20.3	19.8
Virginia	8,505,119	5,930	13.9	13.4
United States	326,747,554	233,972	14.3	13.8



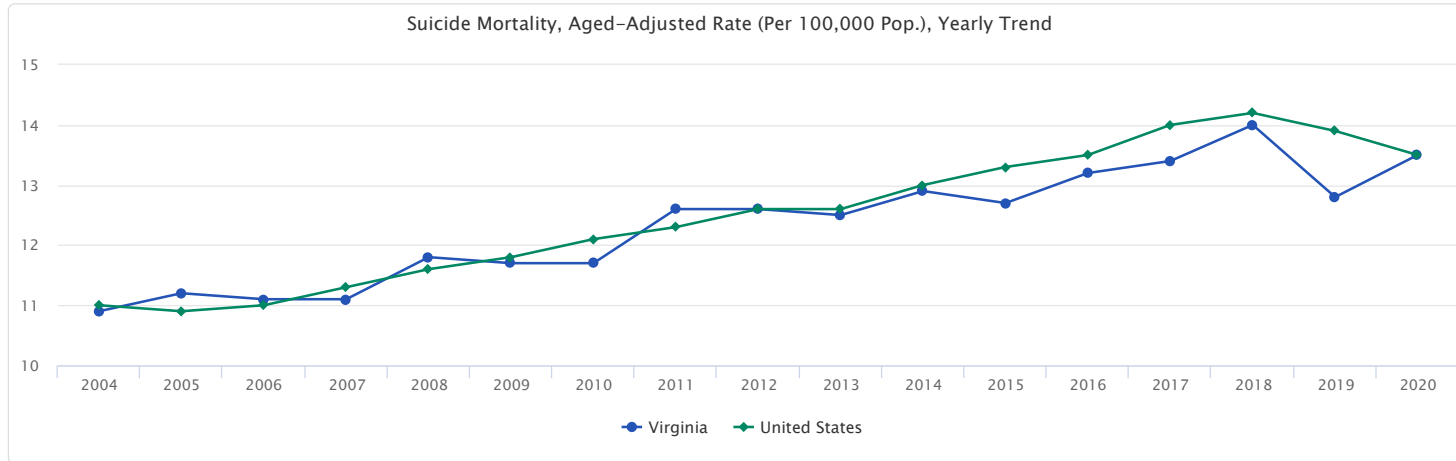
Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#), 2016-20.

This indicator reports the age-adjusted rate of death due to suicide per 100,000 people over time.

Report Area	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Virginia	10.9	11.2	11.1	11.1	11.8	11.7	11.7	12.6	12.6	12.5	12.9	12.7	13.2	13.4	14.0	12.8	13.5
United States	11.0	10.9	11.0	11.3	11.6	11.8	12.1	12.3	12.6	12.6	13.0	13.3	13.5	14.0	14.2	13.9	13.5

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#), 2016-20.



Adults with Depressive Disorder by Year, 2011 through 2020

The table and chart below display trends in the percentage of adults who have ever been told they have a depressive disorder for years 2011 through 2020.

Note: An asterisk on rates denotes that rates were estimated based on a sample with sample size < 50. Use caution in interpreting such cases.

Report Area	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
West Piedmont Health District	17.3%	20.8%	14.8%	21.7%	25.0%	27.4%	23.6%	21.2%	24.5%	25.0%*
Virginia	14.1%	16.6%	16.5%	17.4%	15.7%	15.9%	19.0%	16.6%	17.0%	17.2%

Note: No county data available. See data source and methodology for more details.

Data Source: Virginia Department of Health, [Behavioral Risk Factor Surveillance Survey](#). Data directly obtained via email from Virginia Department of Health. 2021.

Self-Harm and Suicide-Related ED Visits, Rate per 100,000 Population 5+

This indicator reports the number and rate of self-harm and suicide-related emergency department (ED) visits, per 100,000 population among Virginia residents ages 5 years and older, as of 2021. This includes visits with suicidal ideation or thoughts, self-harm, or suicide attempts. Suicide and self-harm (a risk factor for suicide) is a growing public health concern among all age groups, especially the young and the old. Suicide claims tens of thousands of people's lives each year in the United States and has devastating long-term effects on families and communities. *Note:*

1. Some Virginia city and county localities are combined to calculate a self-harm or suicide-related visit count and rate. Therefore, the count and rate displayed for a locality might be the count and rate of the locality combination (as shown in the Note column). Check the Methodology for more details.
2. Counts of 1-4 and rates with a numerator of 1-4 are suppressed.

Self-harm and Suicide-related ED Visits, Ages 5 Years and Over, 2021

Report Area	Self-harm and Suicide-related ED Visit Counts	Self-harm and Suicide-related ED Visit, Rate (per 100,000 Population 5+)	Note
Patrick County, VA	48	286.0	
West Piedmont Health District	988	760.8	
Virginia	55,067	680.9	

Data Source: Virginia Department of Health, [Syndromic Surveillance Data, Division of Surveillance and Investigation, Office of Epidemiology - Virginia Department of Health](#). Data directly obtained via email from Virginia Syndromic Surveillance 2021.

Self-harm and Suicide-related ED Visits, by Combined Race and Ethnicity by Year, Virginia, 2017 through 2021

The tables and chart below display self-harm and suicide-related ED visit counts and rates per 100,000 population ages 5+, by combined race and ethnicity for 2017 through 2021 in Virginia. *Note: Population estimates were not available for Non-Hispanic Other Race or Unknown Race/Ethnicity. Only total visit counts are displayed.*

Year	Non-Hispanic White	Non-Hispanic Black	Non-Hispanic Asian or Pacific Islander	Hispanic or Latino	Non-Hispanic Other Race	Unknown Race/Ethnicity
2017	19,429	6,878	485	1,407	1,142	9,580
2018	25,079	9,556	718	1,978	1,234	4,215
2019	28,367	11,742	779	2,352	1,433	3,567
2020	27,681	12,122	814	2,480	1,416	2,173
2021	33,280	15,142	1,029	3,244	1,483	889

Data Source: Virginia Department of Health, [Syndromic Surveillance Data](#), Division of Surveillance and Investigation, Office of Epidemiology - Virginia Department of Health. Data directly obtained via email from Virginia Syndromic Surveillance 2021.

Self-harm and Suicide-related ED Visit Rate, by Combined Race and Ethnicity by Year, Virginia, 2017 through 2021

Year	Non-Hispanic White	Non-Hispanic Black	Non-Hispanic Asian or Pacific Islander	Hispanic or Latino	Non-Hispanic Other Race	Unknown Race/Ethnicity
2017	383.5	436.3	84.2	196.6	No data	No data
2018	495.3	601.8	121.4	267.6	No data	No data
2019	560.5	735.7	131.0	311.9	No data	No data
2020	546.4	753.2	133.2	319.8	No data	No data
2021	656.9	940.8	168.3	418.3	No data	No data

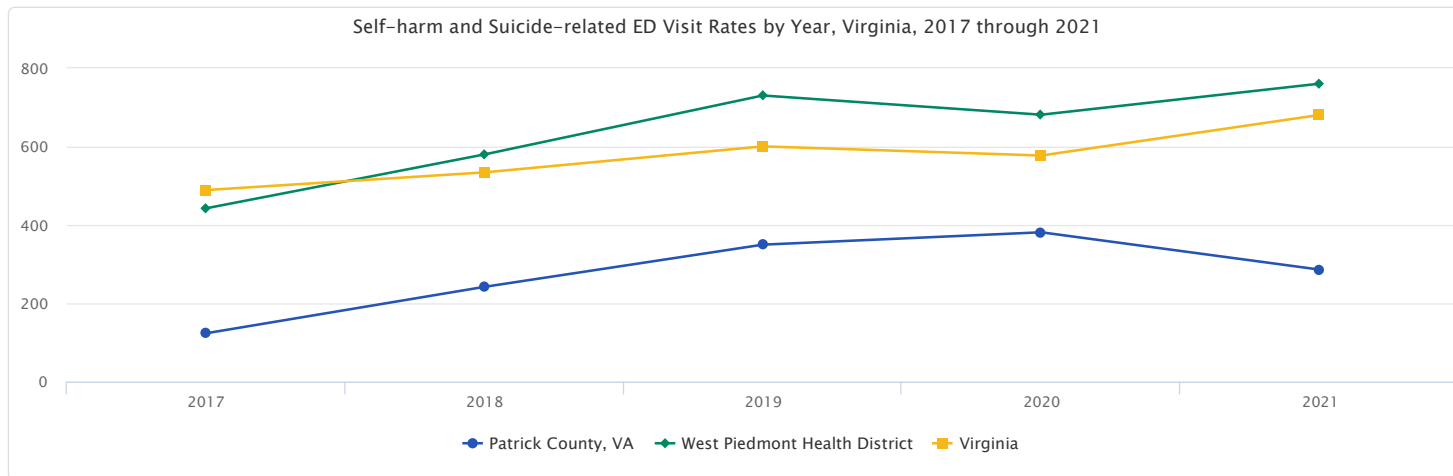
Data Source: Virginia Department of Health, [Syndromic Surveillance Data](#), Division of Surveillance and Investigation, Office of Epidemiology - Virginia Department of Health. Data directly obtained via email from Virginia Syndromic Surveillance 2021.

Self-harm and Suicide-related ED Visit Rates by Year, Virginia, 2017 through 2021

The table and chart below display trends in the rate of self-harm and suicide-related ED visits per 100,000 population aged 5+ for 2017 through 2021 in Virginia. *Notes: The number of EDs reporting data increased between 2017 and 2021, which may have contributed to an increase in self-harm visits. During the Coronavirus Disease 2019 (COVID-19) pandemic, a decrease in the total number of ED visits occurred in Virginia. Because of this change in health care seeking behavior, VDH urges caution when comparing 2020 ED visit rates to other years.*

Report Area	2017	2018	2019	2020	2021
Patrick County, VA	123.4	242.0	349.7	381.3	286.0
West Piedmont Health District	442.5	580.1	730.6	681.5	760.8
Virginia	489.1	534.3	600.7	577.3	680.9

Data Source: Virginia Department of Health, [Syndromic Surveillance Data, Division of Surveillance and Investigation, Office of Epidemiology - Virginia Department of Health](#). Data directly obtained via email from Virginia Syndromic Surveillance 2021.



Oral Health

Adults Visiting a Dentist in the Past Year, Percent

This indicator reports the percentage of adults in Virginia who visited a dentist, dental hygienist, or dental clinic in the past year. Regular dental checkups provide access to cleaning, early diagnosis, treatment, and education about caring for teeth to prevent problems, thus lessening the likelihood of diagnosis with more severe dental problems like gum disease, cavities, and tooth decay.

Note:

1. *Locality estimates for this indicator use a different methodology than Health District, Health Region, and State estimates. Use caution when comparing values.*
2. *With Health Districts, an asterisk on Weighted Counts denotes that all the values (count and rates) for this report area were estimated based on a sample with sample size < 50. Use caution in interpreting such cases.*

Report Area	Weighted Counts	Weighted Percent	LowerCL	UpperCL
Patrick County, VA	No data	60.8%	55.4%	65.9%
West Piedmont Health District	91,565	68.04%	59.79%	76.29%
Virginia	4,661,874	69.98%	68.68%	71.28%

Data Source: Virginia Department of Health, [Behavioral Risk Factor Surveillance Survey](#). Data directly obtained via email from Virginia Department of Health. 2020.

Adults Visiting a Dentist in Past Year by Year, 2012 through 2020

The table and chart below display trends in the percentage of adults who visited a dentist, dental hygienist, or dental clinic in the past year for years 2012 through 2020.

Note: *An asterisk on rates denotes that rates were estimated based on a sample with sample size < 50. Use caution in interpreting such cases.*

Report Area	2012	2013	2014	2015	2016	2017	2018	2019	2020
West Piedmont Health District	72.2%	Suppressed	61.3%	55.6%	57.3%	Suppressed	68.5%	64.5%	68.0%
Virginia	70.4%	69.8%	68.8%	72.9%	69.9%	70.9%	71.7%	71.6%	70.0%

Note: No county data available. See data source and methodology for more details.

Data Source: Virginia Department of Health, [Behavioral Risk Factor Surveillance Survey](#). Data directly obtained via email from Virginia Department of Health. 2020.

Adults with One or More Permanent Teeth Removed by Year, 2012 through 2020

The table and chart below display trends in the percentage of adults with one or more permanent teeth removed due to tooth decay or gum disease for years 2012 and 2014-2020.

Note: An asterisk on rates denotes that rates were estimated based on a sample with sample size < 50. Use caution in interpreting such cases.

Report Area	2012	2014	2015	2016	2017	2018	2019	2020
West Piedmont Health District	Suppressed	50.1%	54.0%	61.7%	Suppressed	54.2%	Suppressed	50.3%
Virginia	42.0%	40.8%	42.8%	42.0%	42.7%	39.2%	42.2%	37.7%

Note: No county data available. See data source and methodology for more details.

Data Source: Virginia Department of Health, [Behavioral Risk Factor Surveillance Survey](#). Data directly obtained via email from Virginia Department of Health. 2021.

Injury and Violence

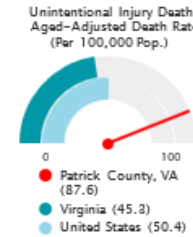
Unintentional Injury Death, Rate per 100,000 Population

This indicator reports the 2016-2020 five-year average rate of death due to unintentional injury per 100,000 population. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. Rates are re-summarized for report areas from county level data, only where data is available. This indicator is relevant because unintentional injuries are a leading cause of death in the United States.

Within the report area, there are a total of 81 deaths due to unintentional injury. This represents an age-adjusted death rate of 87.6 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the timeframe.

Report Area	Total Population, 2016-2020 Averaged	Five Year Total Deaths, 2016-2020 Total	Crude Death Rate (Per 100,000 Population)	Age-Adjusted Death Rate (Per 100,000 Population)
Patrick County, VA	17,672	81	91.7	87.6
West Piedmont Health District	137,634	619	89.9	81.2
Virginia	8,505,119	20,285	47.7	45.3
United States	326,747,554	872,432	53.4	50.4



Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#), 2016-20

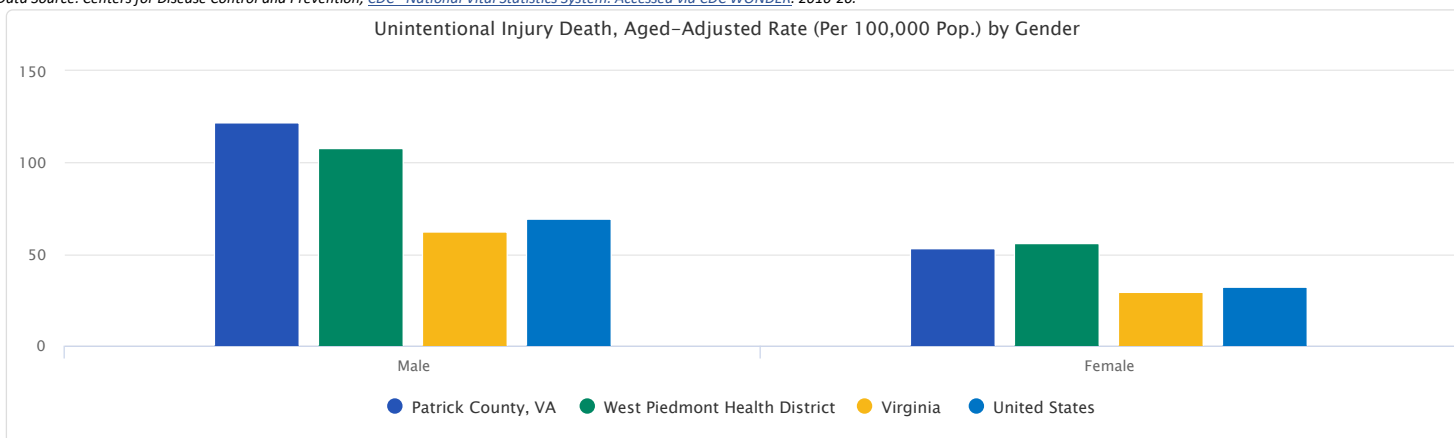
Unintentional Injury Death, Age-Adjusted Rate (Per 100,000 Pop.) by Gender

This indicator reports the age-adjusted rate of death due to unintentional injury per 100,000 people by gender.

The percentage values could be interpreted as, for example, "Of all the males within the report area, the age-adjusted rate of death due to unintentional injury is (value) per 100,000 males."

Report Area	Male	Female
Patrick County, VA	121.9	53.3
West Piedmont Health District	107.6	56.1
Virginia	62.1	29.7
United States	69.5	32.1

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-20.



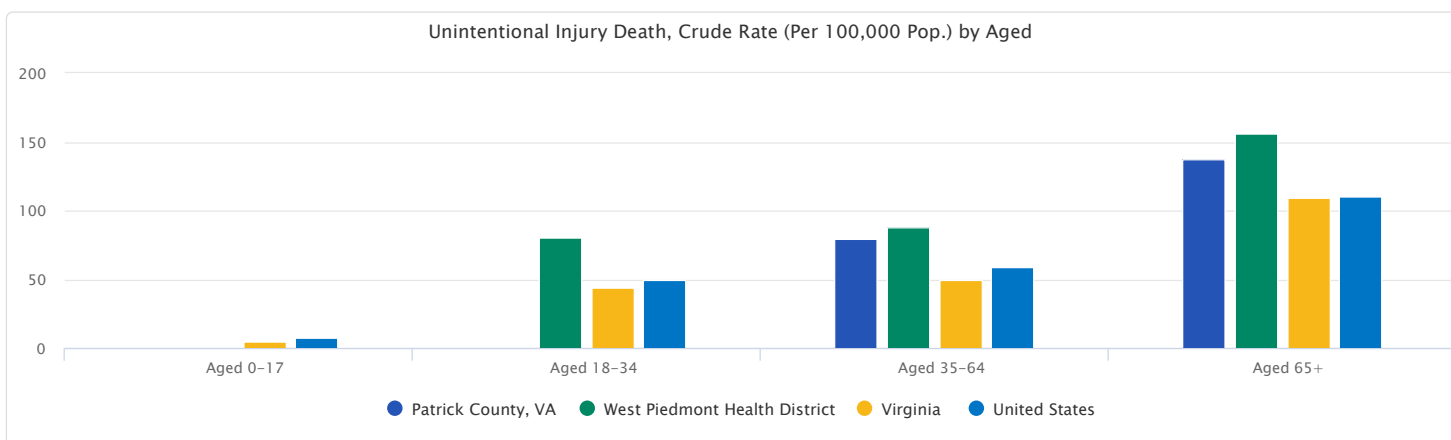
Unintentional Injury Death, Crude Rate (Per 100,000 Pop.) by Age

This indicator reports the crude rate of death due to unintentional injury per 100,000 people by age.

The percentage values could be interpreted as, for example, "Of all the population age under 18 within the report area, the crude rate of death due to unintentional injury is (value) per 100,000."

Report Area	Age 0-17	Age 18-34	Age 35-64	Age 65+
Patrick County, VA	No data	No data	79.8	137.0
West Piedmont Health District	No data	80.8	87.5	155.8
Virginia	5.1	44.3	49.2	109.7
United States	7.6	49.6	58.6	110.4

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-20.



Unintentional Injury Death, Age-Adjusted Rate (Per 100,000 Pop.), Yearly Trend

This indicator reports the age-adjusted rate of death due to unintentional injury per 100,000 people over time.

Report Area	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Virginia	36.2	35.6	35.8	38.3	36.2	33.3	31.6	34.4	34.5	34.8	36.8	39.6	42.5	44.0	43.8	43.8	52.5
United States	38.1	39.5	40.2	40.4	39.3	37.5	38.0	39.1	39.1	39.4	40.5	43.2	47.4	49.4	48.0	49.3	57.6

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-20.

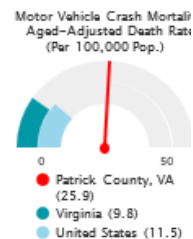
Motor Vehicle Traffic Crash Deaths

This indicator reports the 2016-2020 five-year average rate of death due to motor vehicle crash per 100,000 population, which include collisions with another motor vehicle, a non-motorist, a fixed object, and a non-fixed object, an overturn, and any other non-collision. Figures are reported as crude rates, and as rates age-adjusted to year 2000 standard. This indicator is relevant because motor vehicle crash deaths are preventable, and they are a cause of premature death.

Within the report area, there are a total of 21 deaths due to motor vehicle crash. This represents an age-adjusted death rate of 25.9 per every 100,000 total population.

Note: Data are suppressed for counties with fewer than 20 deaths in the timeframe.

Report Area	Total Population, 2016-2020 Averaged	Five Year Total Deaths, 2016-2020 Total	Crude Death Rate (Per 100,000 Population)	Age-Adjusted Death Rate (Per 100,000 Population)
Patrick County, VA	17,672	21	23.8	25.9
West Piedmont Health District	137,634	149	21.7	20.5
Virginia	8,505,119	4,341	10.2	9.8
United States	326,747,554	193,691	11.9	11.5



Note: This indicator is compared to the state average. Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-2020.

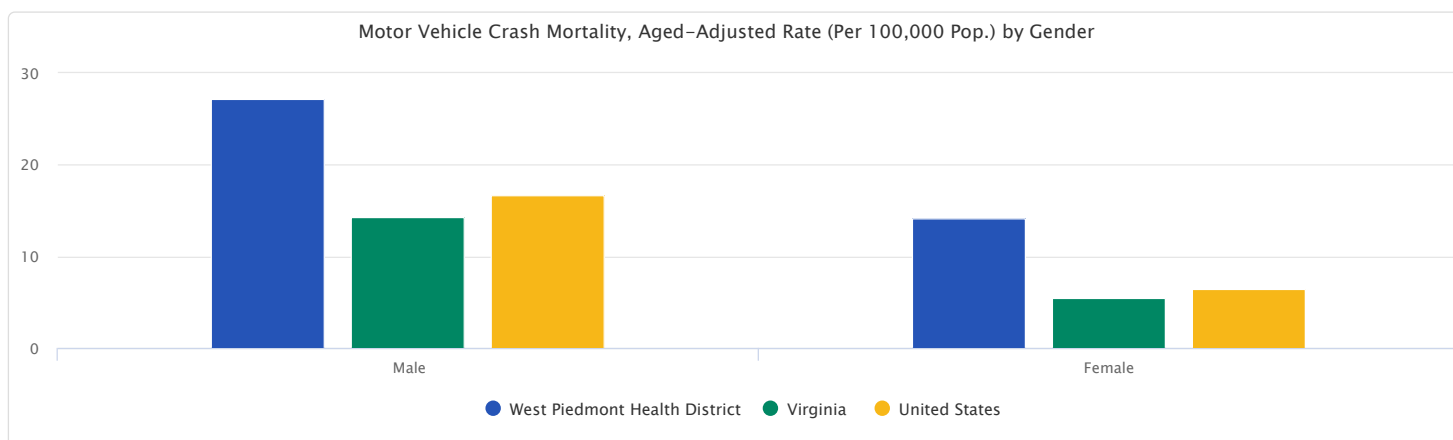
Motor Vehicle Crash Mortality, Age-Adjusted Rate (Per 100,000 Pop.) by Gender

This indicator reports the age-adjusted rate of death due to motor vehicle crash per 100,000 people by gender.

The percentage values could be interpreted as, for example, "Of all the males within the report area, the age-adjusted rate of death due to motor vehicle crash is (value) per 100,000 males."

Report Area	Male	Female
Patrick County, VA	No data	No data
West Piedmont Health District	27.2	14.1
Virginia	14.3	5.5
United States	16.7	6.5

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-2020.



Motor Vehicle Crash Mortality, Age-Adjusted Rate (Per 100,000 Pop.), Yearly Trend

The table below shows age-adjusted death rates due to motor vehicle crash per 100,000 people over time.

Report Area	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Virginia	6.8	5.7	6.0	7.0	5.9	5.1	4.3	5.0	9.6	8.7	8.8	9.1	9.7	9.7	10.1	9.7	10.2
United States	10.3	10.2	9.9	9.2	8.1	7.2	6.5	6.8	10.9	10.5	10.3	11.4	12.2	11.5	11.2	11.1	12.0

Data Source: Centers for Disease Control and Prevention, [CDC - National Vital Statistics System](#). Accessed via [CDC WONDER](#). 2016-2020.

Violent Crime Rate

This indicator reports the rate of violent crime offenses reported by law enforcement per 100,000 residents. Violent crime includes homicide, rape, robbery, and aggravated assault. The data for this indicator are obtained from the 2022 County Health Rankings, which utilizes figures from the 2014 and 2016 FBI Uniform Crime Reports. This indicator is relevant because it assesses community safety.

In the report area, 27 violent crimes occurred in 2014 and 2016 (two years). The violent crime rate of 146.4 per 100,000 residents is lower than the statewide rate of 207.0 per 100,000.

Report Area	Violent Crimes	Violent Crime Rate (Per 100,000 Pop.)
Patrick County, VA	27	146.4
West Piedmont Health District	267	191.2
Virginia	17,321	207.0
United States	1,240,534	386.5

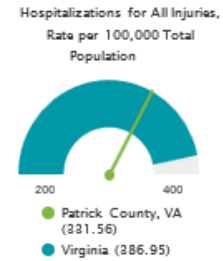
Note: This indicator is compared to the state average.

Data Source: Federal Bureau of Investigation, [FBI Uniform Crime Reports](#). Additional analysis by the [National Archive of Criminal Justice Data](#). Accessed via the [Inter-university Consortium for Political and Social Research](#). 2014&2016.

Hospitalizations for All Injuries, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to all types of injuries, per 100,000 total population. All injuries include anatomic injuries; foreign bodies, burns, corruptions, frostbite; poisoning by drugs, medicaments, and biological substances; toxic effects of substances nonmedicinal as to source; other and unspecified effects of external causes; certain early complications of trauma; traumatic injuries and abuse complicating pregnancy, childbirth, and the puerperium; periprosthetic fracture around internal prosthetic joint; periprosthetic fracture around internal prosthetic joint. (A full list of all the injury diagnosis codes used for this definition can be found in Methodology.)

Report Area	Total Population	Hospitalizations for All Injuries	Hospitalizations for All Injuries, Rate (per 100,000 Total Population)
Patrick County, VA	17,493	58	331.56
West Piedmont Health District	136,324	719	527.42
Virginia	8,590,563	33,241	386.95



Note: This indicator is compared to the state average.

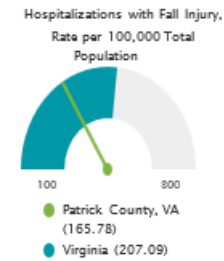
Data Source: Virginia Department of Health, [Virginia Department of Health](#). Data directly obtained via email from Virginia Department of Health 2020.

VA

Fall-related Injury Hospitalizations, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to fall-related injuries, per 100,000 population. Unintentional falls are where a person may slip, stumble, trip, or lose one’s balance and collapse. Falls can happen anywhere on stairs, ladders, furniture, from one level to another, or other locations. Unintentional Falls can lead to severe health loss, including death.

Report Area	Total Population	Hospitalizations with Fall Injury	Hospitalizations with Fall Injury, Rate (per 100,000 Total Population)
Patrick County, VA	17,493	29	165.78
West Piedmont Health District	136,324	353	258.94
Virginia	8,590,563	17,790	207.09

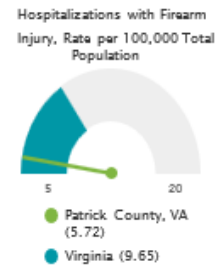


Note: This indicator is compared to the state average. *Data Source: Virginia Department of Health, [Virginia Department of Health](#). Data directly obtained via email from Virginia Department of Health 2020.*

Firearm-related Injury Hospitalizations, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to firearm-related injuries, per 100,000 total population. A firearm injury is a gunshot wound or penetrating injury from a weapon that uses a powder charge to fire a projectile. Weapons that use a powder charge include handguns, rifles, and shotguns. Types of firearm injuries include intentionally self-inflicted, unintentional, interpersonal violence, legal intervention, and undetermined intent.

Report Area	Total Population	Hospitalizations with Firearm Injury	Hospitalizations with Firearm Injury, Rate (per 100,000 Total Population)
Patrick County, VA	17,493	1	5.72
West Piedmont Health District	136,324	18	13.20
Virginia	8,590,563	829	9.65

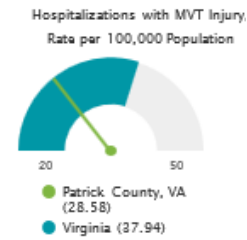


Note: This indicator is compared to the state average. Data Source: Virginia Department of Health, [Virginia Department of Health](#). Data directly obtained via email from Virginia Department of Health 2020.

Motor Vehicle Traffic-related (MVT) Injury Hospitalizations, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to motor vehicle traffic-related (MVT) injuries, per 100,000 population. An MVT injury is the bodily injury to motor vehicle occupants (drivers and passengers), motorcyclists, pedestrians, pedal cyclists, and other persons resulted from a motor vehicle accident. The most common MVT injuries include burns, scrapes and bruises, internal injuries, fractures or broken bones, soft tissue injuries, shoulder injuries, and Post Traumatic Stress Disorders. MVT injuries are a leading cause of hospitalization and death. There are proven strategies that can help prevent these injuries and deaths.

Report Area	Total Population	Hospitalizations with MVT Injury	Hospitalizations with MVT Injury, Rate (per 100,000 Total Population)
Patrick County, VA	17,493	5	28.58
West Piedmont Health District	136,324	91	66.75
Virginia	8,590,563	3,259	37.94

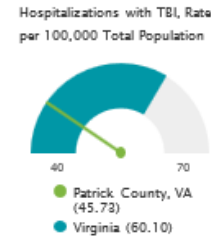


Note: This indicator is compared to the state average. Data Source: Virginia Department of Health, [Virginia Department of Health](#). Data directly obtained via email from Virginia Department of Health 2020.

Traumatic Brain Injury (TBI) Hospitalizations, Rate per 100,000 Population

This indicator reports the number and rate of hospital inpatient stays due to traumatic brain injury (TBI), per 100,000 population. A traumatic brain injury, or TBI, is an injury that affects how the brain works. TBI usually results from a violent blow or jolt to the head or body. An object that goes through brain tissue, such as a bullet or shattered piece of skull, also can cause TBI. Traumatic brain injuries lead to a lifetime of physical, cognitive, emotional, and behavioral changes and the most severe ones can cause permanent brain damaged, coma, or death.

Report Area	Total Population	Hospitalizations with TBI	Hospitalizations with TBI, Rate (per 100,000 Total Population)
Patrick County, VA	17,493	8	45.73
West Piedmont Health District	136,324	118	86.56
Virginia	8,590,563	5,163	60.10



Note: This indicator is compared to the state average. Data Source: Virginia Department of Health, [Virginia Department of Health](#). Data directly obtained via email from Virginia Department of Health 2020.

Community Factors

Food Facility Inspections

This indicator reports the total number of times there was a risk due to food preparation processes associated with incidence of foodborne illness. There are four categories: Category 1 are food establishments with the lowest risk or minimal incidence of foodborne illness while Category 4 food establishments present the highest risk.

Report Area	Risk Category 1 Count	Risk Category 2 Count	Risk Category 3 Count	Risk Category 4 Count
Patrick County, VA	7	38	7	2
Virginia	4,891	12,479	8,377	1,715

Data Source: Virginia Department of Health, [VDH - Environmental Health](#). Data directly obtained via email from Virginia Department of Health 2022.

Type of Food Facilities Inspection

This indicator reports the total number of times there was an inspection associated with incidence of foodborne illness in Virginia. The Virginia Food Regulations focuses on eight types of inspections: Complaint, Follow-Up, Food Borne Illness, Preopening, Risk Factor, Routine, Training, and Other.

Report Area	Complaint	Follow-Up	Pre-Opening	Routine	Training	Other
Patrick County, VA	0	6	4	69	2	3
Virginia	57	239	86	1,305	0	37

Data Source: Virginia Department of Health, [VDH - Environmental Health](#). Data directly obtained via email from Virginia Department of Health 2022.

Food Desert Census Tracts

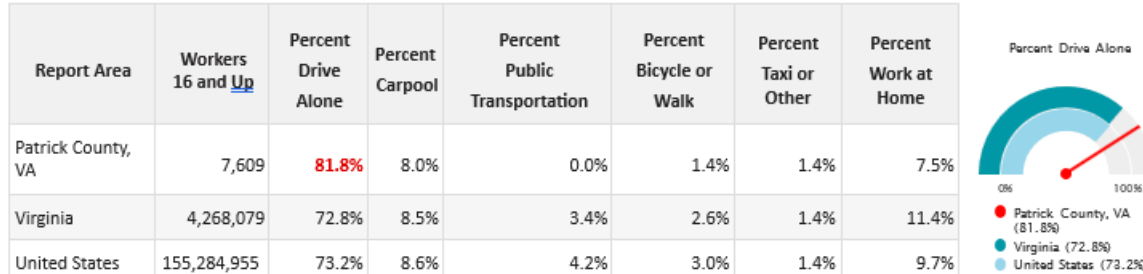
This indicator reports the number of neighborhoods in the report area that are within food deserts. The USDA Food Access Research Atlas defines a food desert as any neighborhood that lacks healthy food sources due to income level, distance to supermarkets, or vehicle access. The report area has a population of 11,262 living in food deserts and a total of 2 census tracts classified as food deserts by the USDA.

Report Area	Total Population (2010)	Food Desert Census Tracts	Other Census Tracts	Food Desert Population	Other Population
Patrick County, VA	18,490	2	2	11,262	7,228
West Piedmont Health District	142,621	14	19	64,997	77,624
Virginia	8,001,024	269	1,617	1,147,233	6,853,791
United States	308,745,538	9,293	63,238	39,074,974	269,670,564

Data Source: US Department of Agriculture, Economic Research Service, [USDA - Food Access Research Atlas](#), 2019.

Transportation - Profile

This indicator shows the method of transportation workers used to travel to work for the report area. Of the 7,609 workers in the report area, 81.8% drove to work alone while 8.0% carpoolled. 0.0% of all workers reported that they used some form of public transportation, while others used some optional means including 1.4% walking or riding bicycles, and 1.4% used taxicabs to travel to work.



Note: This indicator is compared to the state average.

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

Non-Hispanic Commuters

This indicator shows the method of transportation non-Hispanic workers used to travel to work for the report area. Of the 7,609 non-Hispanic workers in the report area, 89.76% drove to work. 0.00% of all workers reported that they used some form of public transportation, while others used some optional means including 2.75% walking or riding bicycles, and 7.49% worked from home.

Report Area	Workers 16 and Up	Travel by Car	Use Public Transit	Bike/Walk	Work from Home
Patrick County, VA	7,609	89.76%	0.00%	2.75%	7.49%
Virginia	3,854,645	81.09%	3.45%	3.77%	11.69%
United States	127,996,109	81.52%	3.87%	4.20%	10.41%

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

White Non-Hispanic Commuters

This indicator shows the method of transportation white non-Hispanic workers used to travel to work for the report area. Of the 4,682 white non-Hispanic workers in the report area, 85.11% drove to work. 0.00% of all workers reported that they used some form of public transportation, while others used some optional means including 2.88% walking or riding bicycles, and 12.00% worked from home.

Report Area	Workers 16 and Up	Travel by Car	Use Public Transit	Bike/Walk	Work from Home
Patrick County, VA	4,682	85.11%	0.00%	2.88%	12.00%
Virginia	2,575,330	82.86%	1.44%	3.42%	12.27%
United States	95,511,828	82.88%	2.52%	3.89%	10.71%

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

Transportation - No Motor Vehicle

This indicator reports the number and percentage of households with no motor vehicle based on the latest 5-year American Community Survey estimates. Of the 7,732 total households in the report area, 314 or 4.06% are without a motor vehicle.

Report Area	Total Occupied Households	Households with No Motor Vehicle	Households with No Motor Vehicle, Percent
Patrick County, VA	7,732	314	4.06%
Virginia	3,248,528	196,083	6.04%
United States	124,010,992	10,349,174	8.35%

Note: This indicator is compared to the state average.

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

Households with No Motor Vehicle by Tenure

This indicator reports the total and percentage of households with no vehicle by tenure.

These numbers in the following table could be interpreted as (take the first two columns as an example), "Within the report area, there are a total of (value) owner-occupied households with no vehicle. This accounts for (value) of all the owner-occupied households."

Report Area	Owner-Occupied Households	Owner-Occupied Households, Percent	Renter-Occupied Households	Renter-Occupied Households, Percent
Patrick County, VA	69	1.14%	245	14.57%
Virginia	52,691	2.43%	143,392	13.23%
United States	2,482,367	3.10%	7,866,807	17.94%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Social Determinants of Health

Poverty - Population Below 50% FPL

In the report area 5.59% or 965 individuals for whom poverty status is determined are living in households with income below 50% of the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

Note: The total population measurements for poverty reports are lower, as poverty data collection does not include people in group quarters. See Methodology for more details.

Report Area	Total Population	Population with Income Below 50% FPL	Population with Income Below 50% FPL, Percent
Patrick County, VA	17,255	965	5.59%
West Piedmont Health District	133,692	8,679	6.49%
Virginia	8,337,068	400,154	4.80%
United States	321,897,703	18,597,269	5.78%

Note: This indicator is compared to the state average.

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Poverty - Population Below 100% FPL

Poverty is considered a *key driver* of health status. Within the report area 10.79% or 1,861 individuals for whom poverty status is determined are living in households with income below the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

Population in Poverty by Gender

This indicator reports the population in poverty in the report area by gender.

The percentage values could be interpreted as, for example, "Of all the male population within the report area, the proportion living in households with income below the federal poverty level is (value)."

Report Area	Male	Female	Male, Percent	Female, Percent
Patrick County, VA	850	1,011	9.84%	11.74%
West Piedmont Health District	8,952	10,773	13.82%	15.63%
Virginia	363,107	465,557	8.87%	10.97%
United States	18,132,275	22,529,361	11.44%	13.79%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Population in Poverty by Ethnicity Alone

This indicator reports the population in poverty in the report area by ethnicity alone.

The percentage values could be interpreted as, for example, "Of all the Hispanic population within the report area, the proportion living in households with income below the federal poverty level is (value)."

Report Area	Hispanic or Latino	Not Hispanic or Latino	Hispanic or Latino, Percent	Not Hispanic or Latino, Percent
Patrick County, VA	0	1,861	0.00%	11.14%
West Piedmont Health District	1,229	18,496	20.71%	14.48%
Virginia	105,424	723,240	12.92%	9.62%
United States	10,560,320	30,101,316	17.71%	11.48%

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

Population in Poverty by Race Alone, Percent

This indicator reports the percentage of population in poverty in the report area by race alone.

The percentage values could be interpreted as, for example, "Of all the white population within the report area, the proportion living in households with income below the federal poverty level is (value)."

Report Area	White	Black or African American	Native American or Alaska Native	Asian	Native Hawaiian or Pacific Islander	Some Other Race	Multiple Race
Patrick County, VA	10.72%	10.98%	4.55%	7.89%	No data	7.01%	20.60%
West Piedmont Health District	12.84%	21.38%	0.61%	6.66%	0.00%	27.78%	27.75%
Virginia	7.93%	16.74%	10.71%	7.07%	10.46%	16.68%	10.32%
United States	10.29%	21.71%	23.40%	10.31%	16.68%	19.06%	14.89%

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

Population in Poverty by Race, Total

This indicator reports the total population in poverty in the report area by race alone.

Report Area	Non-Hispanic White	Black or African American	Native American or Alaska Native	Asian	Native Hawaiian or Pacific Islander	Some Other Race	Multiple Race
Patrick County, VA	1,697	104	2	6	0	11	41
West Piedmont Health District	13,527	4,671	2	57	0	435	1,033
Virginia	430,759	261,009	2,439	40,224	517	43,364	50,352
United States	22,616,705	8,630,739	615,351	1,900,825	99,627	3,440,072	3,358,317

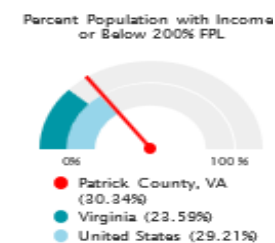
Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Poverty - Population Below 200% FPL

In the report area 30.34% or 5,235 individuals for whom poverty status is determined are living in households with income below 200% of the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

Note: The total population measurements for poverty reports are lower, as poverty data collection does not include people in group quarters. See Methodology for more details.

Report Area	Total Population	Population with Income Below 200% FPL	Population with Income Below 200% FPL, Percent
Patrick County, VA	17,255	5,235	30.34%
West Piedmont Health District	133,692	51,533	38.55%
Virginia	8,337,068	1,966,819	23.59%
United States	321,897,703	94,041,155	29.21%



Note: This indicator is compared to the state average.

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Poverty - Children in Poverty

In the report area 10.55% or 322 children aged 0-17 are living in households with income below the Federal Poverty Level (FPL). This indicator is relevant because poverty creates barriers to access including health services, healthy food, and other necessities that contribute to poor health status.

Report Area	Total Population	Population < Age 18	Population < Age 18 in Poverty	Population < Age 18 in Poverty, Percent
Patrick County, VA	17,255	3,051	322	10.55%
West Piedmont Health District	133,692	26,322	6,073	23.07%
Virginia	8,337,068	1,863,906	242,702	13.02%
United States	321,897,703	72,996,065	12,443,424	17.05%

Note: This indicator is compared to the state average.

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Children in Poverty by Ethnicity Alone

This indicator reports children aged 0-17 living in households with income below the federal poverty level by ethnicity alone. The percentage values could be interpreted as, for example, "Of all the Hispanic children under age 18 within the report area, the proportion living in households with income below the federal poverty level is (value)."

Report Area	Hispanic or Latino	Not Hispanic or Latino	Hispanic or Latino, Percent	Not Hispanic or Latino, Percent
Patrick County, VA	0	322	0.00%	11.13%
West Piedmont Health District	655	5,418	26.79%	22.69%
Virginia	45,023	197,679	17.06%	12.35%
United States	4,407,933	8,035,491	23.76%	14.76%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Children in Poverty by Race, Percent

This indicator reports percent of children aged 0-17 living in households with income below the federal poverty level by race. The percentage values could be interpreted as, for example, "Of all the non-Hispanic white children under age 18 within the report area, the proportion living in households with income below the federal poverty level is (value)."

Report Area	Non-Hispanic White	Black or African American	Native American or Alaska Native	Asian	Native Hawaiian or Pacific Islander	Some Other Race	Multiple Race
Patrick County, VA	10.89%	7.14%	No data	16.67%	No data	0.00%	43.18%
West Piedmont Health District	19.42%	35.04%	0.00%	16.45%	No data	38.39%	32.96%
Virginia	8.09%	26.06%	11.93%	6.88%	11.39%	22.53%	11.45%
United States	10.39%	31.19%	30.15%	10.44%	23.20%	26.28%	17.74%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Children in Poverty by Race, Total

This indicator reports the total children aged 0-17 living in households with income below the federal poverty level by race alone.

Report Area	Non-Hispanic White	Black or African American	Native American or Alaska Native	Asian	Native Hawaiian or Pacific Islander	Some Other Race	Multiple Race
Patrick County, VA	286	15	0	2	0	0	19
West Piedmont Health District	3,471	1,699	0	25	0	238	590
Virginia	78,805	94,892	579	8,337	118	18,723	22,918
United States	3,738,385	3,120,620	211,585	390,351	34,641	1,347,313	1,485,989

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Cost Burdened Households (30%)

This indicator reports the percentage of the households where housing costs are 30% or more of total household income. This indicator provides information on the cost of monthly housing expenses for owners and renters. The information offers a measure of housing affordability and excessive shelter costs. The data also serve to aid in the development of housing programs to meet the needs of people at different economic levels. Of the 7,732 total households in the report area, 1,203 or 15.56% of the population live in cost burdened households.

Percentage of Households Where Housing Costs Exceed 30% of Income

<i>Report Area</i>	<i>Total Households</i>	<i>Cost-Burdened Households</i>	<i>Cost-Burdened Households, Percent</i>
Patrick County, VA	7,732	1,203	15.56%
West Piedmont Health District	55,937	12,014	21.48%
Virginia	3,248,528	915,143	28.17%
United States	124,010,992	37,625,113	30.34%

Cost-Burdened Households by Tenure, Total

These data show the number of households that spend more than 30% of the household income on housing costs. In the report area, there were 1,203 cost burdened households according to the U.S. Census Bureau American Community Survey (ACS) 2017-2021 5-year estimates. The data for this indicator is only reported for households where household housing costs and income earned was identified in the American Community Survey.

Report Area	Cost-Burdened Households	Cost-Burdened Rental Households	Cost-Burdened Owner-Occupied Households w/ Mortgaged	Cost-Burdened Owner-Occupied Households w/o Mortgage
Patrick County, VA	1,203	500	471	232
West Piedmont Health District	12,014	5,204	5,078	1,732
Virginia	915,143	477,250	368,549	69,344
United States	37,625,113	20,169,402	13,476,120	3,979,591

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Cost-Burdened Households by Tenure, Percent

These data show the percentage of households by tenure that are cost burdened. Cost burdened rental households (those that spent more than 30% of the household income on rental costs) represented 29.74% of all rental households in the report area, according to the U.S. Census Bureau American Community Survey (ACS) 2017-2021 5-year estimates. The data for this indicator is only reported for households where tenure, household housing costs, and income earned was identified in the American Community Survey.

Report Area	Rental Households	Rental Households Cost-Burdened, Percent	Owner-Occupied Households w/ Mortgaged	Owner-Occupied Households w/ Mortgage Cost-Burdened, Percent	Owner-Occupied Households w/o Mortgage	Owner-Occupied Households w/o Mortgage Cost-Burdened, Percent
Patrick County, VA	1,681	29.74%	2,598	18.13%	3,453	6.72%
WPHD	14,054	37.03%	20,110	25.25%	21,773	7.95%
Virginia	1,083,561	44.04%	1,477,713	24.94%	687,254	10.09%
United States	43,858,831	45.99%	49,759,315	27.08%	30,392,846	13.09%

Social Vulnerability Index

The degree to which a community exhibits certain social conditions, including high poverty, low percentage of vehicle access, or crowded households, may affect that community’s ability to prevent human suffering and financial loss in the event of disaster. These factors describe a community’s social vulnerability.

The social vulnerability index is a measure of the degree of social vulnerability in counties and neighborhoods across the United States, where a higher score indicates higher vulnerability. The report area has a social vulnerability index score of 0.32, which is which is less than the d of 0.40.

Report Area	Total Population	Socioeconomic Theme Score	Household Composition Theme Score	Minority Status Theme Score	Housing & Transportation Theme Score	Social Vulnerability Index Score
Patrick County, VA	17,660	0.34	0.37	0.33	0.37	0.32
Virginia	8,509,358	0.37	0.37	0.73	0.41	0.40
United States	326,569,308	0.54	0.48	0.71	0.62	0.58

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention and the National Center for Health Statistics, [CDC - GRASP](#), 2020.

Children Living in Single Parent Households

This indicator reports the percentage of children who live in households where only one parent is present.

Report Area	Population Age 0-17	Children in Single-Parent Households	Percentage of Children in Single-Parent Households
Patrick County, VA	3,078	534	17.35%
West Piedmont Health District	26,933	7,403	27.49%
Virginia	1,887,240	447,623	23.72%
United States	74,008,972	18,598,212	25.13%

Note: This indicator is compared to the state average.

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Education - Children Enrolled in Preschool

This indicator reports the percentage of the population aged 3-4 that is enrolled in school. This indicator helps identify places where preschool opportunities are either abundant or lacking in the educational system.

Report Area	Population Age 3-4	Population Age 3-4 Enrolled in School	Population Age 3-4 Enrolled in School, Percent
Patrick County, VA	369	107	29.00%
Virginia	203,798	94,930	46.58%
United States	8,100,136	3,719,992	45.93%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21

Preschool Enrollment by Race Alone

This indicator reports the population aged 3-4 enrolled in preschool of the report area by race alone.

Report Area	White	Black	Asian	Native American / Alaska Native	Native Hawaiian / Pacific Islander	Some Other Race	Multiple Races
Patrick County, VA	155	0	0	0	0	0	0
Virginia	75,581	20,700	6,586	91	69	3,304	13,771
United States	2,999,441	640,729	257,017	39,883	5,825	244,133	557,748

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Preschool Enrollment by Ethnicity Alone

This indicator reports the population aged 3-4 enrolled in preschool of the report area by ethnicity alone.

Of all age 3-4 enrolled in preschool in the report area, 36 or 33.64% are Hispanic or Latino while 71 or 66.36% are non Hispanic.

Report Area	Total Enrolled in Preschool	Hispanic Enrolled	Hispanic Enrolled, Percent	Non-Hispanic Enrolled	Non-Hispanic Enrolled, Percent
Patrick County, VA	107	36	33.64%	71	66.36%
Virginia	94,930	13,219	13.92%	81,711	86.08%
United States	3,719,992	1,017,882	27.36%	2,702,110	72.64%

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.

Education - Standards of Learning (SOL) Testing

This indicator reports the percentage of 3rd grade students who test at or above the 'proficient' level in the Standards of Learning (SOL) assessment in reading. The scores reported include alternative tests to the SOL that are given to students with special needs.

Report Area	2013	2014	2015	2016	2017	2018	2019	2020
Patrick County, VA	65.50%	72.12%	79.00%	83.74%	80.52%	87.00%	No data	76.00%
Virginia	69.00%	75.00%	76.00%	74.60%	72.43%	70.60%	No data	61.00%

Note: This indicator is compared to the state average.

Data Source: [Virginia Department of Education](#). Accessed via [Kids Count](#)

Education - Grade K-3 Repeaters

This indicator reports the percentage of students who were held back a year in grades Kindergarten through 3rd grade. The percentage is an aggregate number for repeaters in the grade levels divided by the student cohort during a given school year, expressed as:

$100 * (\text{repeaters in K} + \text{repeaters in 1st grade} + \text{repeater in 2nd grade} + \text{repeaters in 3rd grade}) / (\text{total students in K} + \text{total students in 1st grade} + \text{total students in 2nd grade} + \text{total students in 3rd grade})$.

Report Area	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
Patrick County, VA	1.78%	3.62%	4.48%	4.16%	2.92%	4.38%	3.49%
Virginia	1.72%	1.70%	1.75%	1.56%	1.36%	1.40%	1.30%

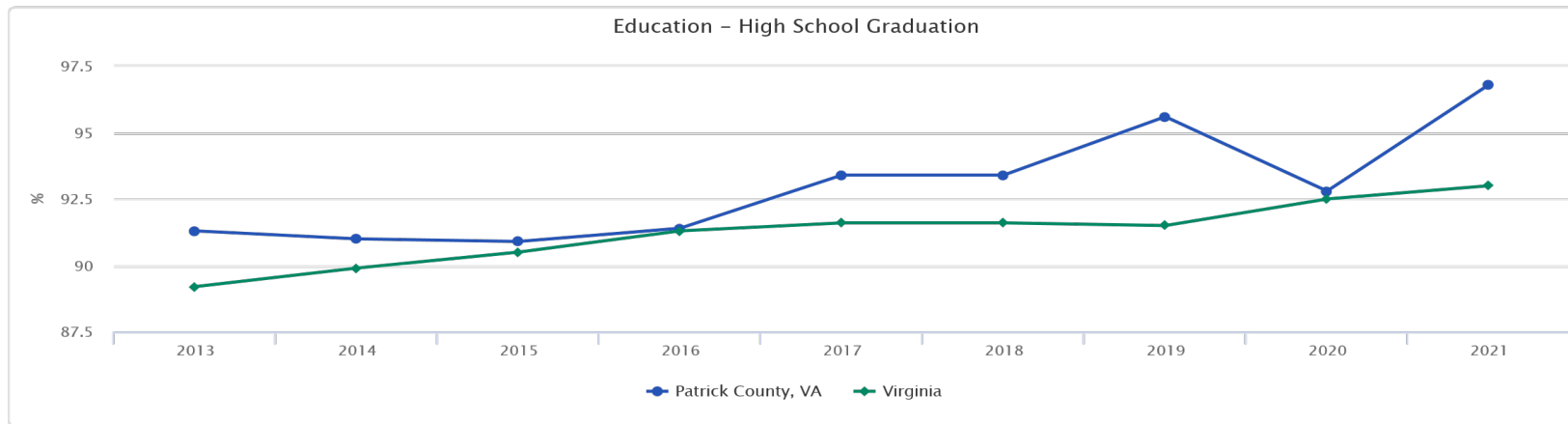
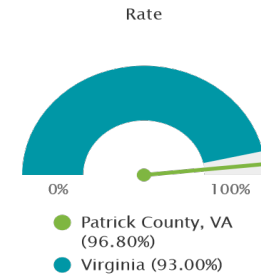
Note: This indicator is compared to the state average.

Data Source: [Virginia Department of Education](#). Accessed via [Kids Count](#)

Education - Adult Educational Attainment

Report Area	2013	2014	2015	2016	2017	2018	2019	2020	2021
Patrick County, VA	91.30%	91.00%	90.90%	91.40%	93.40%	93.40%	95.60%	92.80%	96.80%
Virginia	89.20%	89.90%	90.50%	91.30%	91.60%	91.60%	91.50%	92.50%	93.00%

Note: This indicator is compared to the state average.
 Data Source: [Virginia Department of Education](#). Accessed via [Kids Count](#).

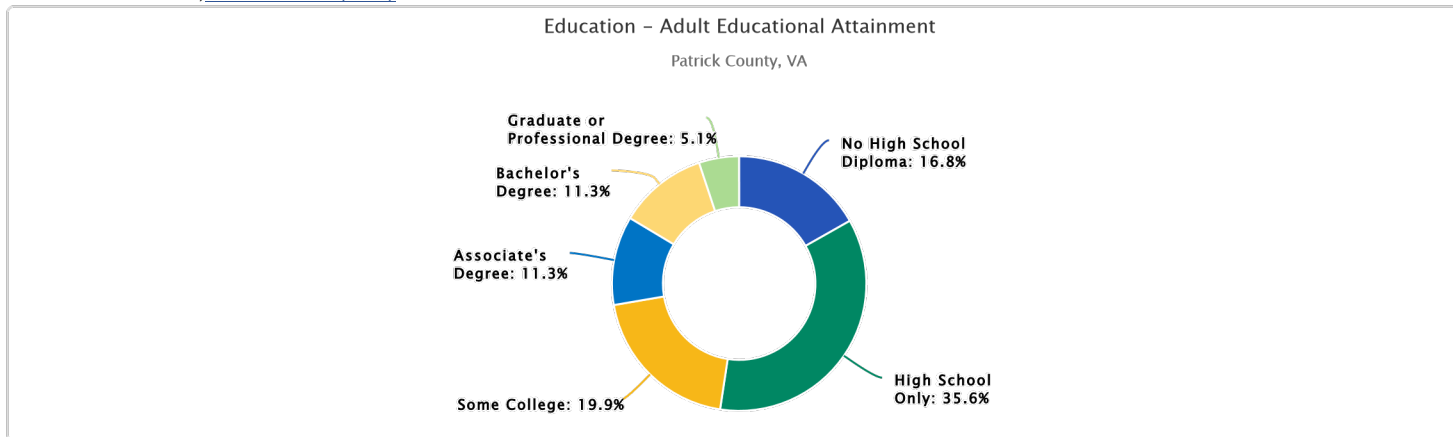


Educational Attainment shows the distribution of the highest level of education achieved in the report area and helps schools and businesses to understand the needs of adults, whether it be workforce training or the ability to develop science, technology, engineering, and mathematics opportunities. Educational attainment is calculated for persons over 25 years old and is an estimated averaged for the period from 2017 to 2021. For the selected area, 11.3% have at least a college bachelor's degree, while 35.6% stopped their formal educational attainment after high school.

Report Area	No High School Diploma	High School Only	Some College	Associate's Degree	Bachelor's Degree	Graduate or Professional Degree
Patrick County, VA	16.8%	35.6%	19.9%	11.3%	11.3%	5.1%
West Piedmont Health District	14.84%	34.09%	21.04%	11.12%	12.23%	6.67%
Virginia	9.2%	23.8%	18.7%	7.9%	22.8%	17.6%
United States	11.1%	26.5%	20.0%	8.7%	20.6%	13.1%

Note: This indicator is compared to the state average.

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

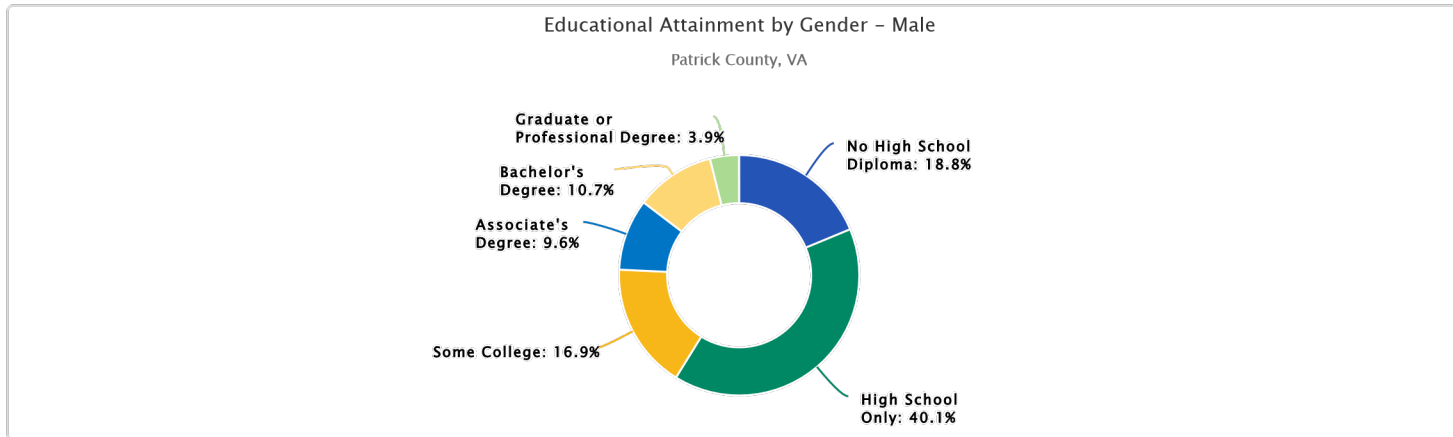


Educational Attainment by Gender - Male

This indicator reports the distribution of the highest level of education achieved by males aged 25+ in the report area.

Report Area	No High School Diploma	High School Only	Some College	Associate's Degree	Bachelor's Degree	Graduate or Professional Degree
Patrick County, VA	1,268	2,707	1,145	649	725	264
West Piedmont Health District	7,811	18,095	9,560	4,327	5,490	2,656
Virginia	281,962	719,050	522,953	197,874	627,514	509,485
United States	13,014,399	30,403,580	21,786,306	8,549,095	22,074,780	13,887,263

Data Source: US Census Bureau, [American Community Survey](#), 2017-21.



Educational Attainment by Gender - Female

This indicator reports the distribution of the highest level of education achieved by females aged 25+ in the report area.

Report Area	No High School Diploma	High School Only	Some College	Associate's Degree	Bachelor's Degree	Graduate or Professional Degree
Patrick County, VA	1,012	2,128	1,554	886	812	425
West Piedmont Health District	7,009	15,944	11,441	6,775	6,721	4,007
Virginia	257,637	683,437	579,158	268,053	711,317	524,081
United States	12,035,957	29,232,806	23,255,725	11,065,615	24,279,551	15,567,240

Data Source: US Census Bureau, [American Community Survey, 2017-21](#).

Supplemental Data (CDC BRFSS)

Prevention: Annual Checkup

This indicator reports the percentage of adults age 18 and older with one or more visits to a doctor for routine checkup within the past one year.

Within the report area, of the total population age 18+ there are 77.70% adults age 18+ who had a routine checkup in the past year.

Report Area	Total Population	Adults Age 18+ with Routine Checkup in Past 1 Year (Crude)	Adults Age 18+ with Routine Checkup in Past 1 Year (Age-Adjusted)
Patrick County, VA	17,602	77.70%	72.50%
Virginia	8,642,274	76.13%	74.89%
United States	331,893,745	73.60%	71.80%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021.

Prevention: Cancer Screening

This indicator reports the percentage of females aged 21–65 years who report having had recommended cervical cancer screening test. Within the report area there are 81.70% women aged 21-65 who have had recommended cervical cancer screening test of the total female population aged 21-65.

Report Area	Total Population	Females Aged 21-65 with Cervical Cancer Screening Test (Crude)	Females Aged 21-65 with Recent Pap Smear (Age-Adjusted)
Patrick County, VA	17,493	81.70%	82.20%
Virginia	8,590,563	83.8%	84.3%
United States	331,449,281	82.8%	83.7%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#), 2020. **Cervical Cancer Screening (Past 3 Years), Prevalence Among Adults Aged 21-65 by ZCTA, CDC BRFSS PLACES Project 2020**

Prevention: Cholesterol Screening

This indicator reports the percentage of adults age 18 and older who report having their cholesterol checked within the previous 5 years. Within the report area there are 88.40% adults age 18+ with recent cholesterol screening of the total population age 18+.

Report Area	Total Population	Adults Age 18+ with Recent Cholesterol Screening (Crude)	Adults Age 18+ with Recent Cholesterol Screening (Age-Adjusted)
Patrick County, VA	17,602	88.40%	83.50%
Virginia	8,642,274	87.2%	86.2%
United States	331,893,745	86.4%	84.3%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#), 2021.

Prevention: Colorectal Cancer Screening

This indicator reports the percentage of population aged 50–75 years who report having had 1) a fecal occult blood test (FOBT) within the past year, 2) a sigmoidoscopy within the past 5 years and a FOBT within the past 3 years, or 3) a colonoscopy within the past 10 years.

Within the report area there are 74.10% population aged 50–75 who have received a recommended colorectal cancer screening test within the appropriate time interval of the total population aged 50-75.

Report Area	Total Population	Adults Aged 50-75 with Adequate Colorectal Cancer Screening (Crude)	Adults Aged 50-75 with Adequate Colorectal Cancer Screening (Age-Adjusted)
Patrick County, VA	17,493	74.10%	71.20%
Virginia	8,590,563	74.6%	73.1%
United States	331,449,281	72.4%	70.6%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#), 2020.

Prevention: Core Preventative Services for Men

This indicator reports the percentage of males aged 65 years and older who report that they are up to date on a core set of clinical preventive services. Services include: an influenza vaccination in the past year; a PPV ever; and either a fecal occult blood test (FOBT) within the past year, a sigmoidoscopy within the past 5 years and a FOBT within the past 3 years, or a colonoscopy within the past 10 years.

Within the report area there are 48.60% men aged 65 and older who had core preventative services in the last one to 10 years of the total male population aged 65+.

Report Area	Total Population	Males Aged 65+ Up to Date on Core Preventative Services (Crude)	Males Aged 65+ Up to Date on Core Preventative Services (Age-Adjusted)
Patrick County, VA	17,493	48.60%	48.70%
Virginia	8,590,563	48.09%	48.54%
United States	331,449,281	43.70%	44.00%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2020. **Preventative Services, Men Aged 65+, Percent Up to Date by ZCTA, CDC**

Prevention: Core Preventative Services for Women

This indicator reports the percentage of females aged 65 years and older who report that they are up to date on a core set of clinical preventive services. Services include: an influenza vaccination in the past year; a pneumococcal vaccination (PPV) ever; either a fecal occult blood test (FOBT) within the past year, a sigmoidoscopy within the past 5 years and a FOBT within the past 3 years, or a colonoscopy within the previous 10 years; and a mammogram in the past 2 years. Within the report area there are 41.50% women aged 65 and older who had core preventative services in the last one to 10 years of the total female population aged 65+.

Report Area	Total Population	Females Aged 65+ Up to Date on Core Preventative Services (Crude)	Females Aged 65+ Up to Date on Core Preventative Services (Age-Adjusted)
Patrick County, VA	17,493	41.50%	41.50%
Virginia	8,590,563	42.73%	42.60%
United States	331,449,281	37.90%	37.40%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2020.

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. Within the report area there are 65.20% adults aged 18+ who went to the dentist in the past year of the total population age 18+.

Report Area	Total Population	Adults Aged 18+ with Recent Dental Visit (Crude)	Adults Aged 18+ with Recent Dental Visit (Age-Adjusted)
Patrick County, VA	17,493	65.20%	64.00%
Virginia	8,590,563	68.6%	68.3%
United States	331,449,281	64.8%	64.5%

Note: This indicator is compared to the state average.

Prevention: Health Insurance

This indicator reports the number and percentage of adults aged 18 to 64 without current health insurance coverage. Within the report area there are 8.00% adults aged 18 to 64 without current health insurance coverage of the total population aged 18 to 64.

Report Area	Total Population	Adults Aged 18-64 w/o Current Health Insurance Coverage (Crude)	Adults Aged 18-64 w/o Current Health Insurance Coverage (Age-Adjusted)
Patrick County, VA	17,602	8.00%	8.80%
Virginia	8,642,274	7.3%	7.6%
United States	331,893,745	10.8%	11.3%

Note: This indicator is compared to the state average. Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021. **Lack of Health Insurance Coverage, Percent of Adults Aged 18-64 by ZCTA, CDC BRFSS**

Prevention: Mammography

This indicator reports the percentage of females aged 50-74 years who report having had a mammogram within the previous 2 years.

Within the report area there are 72.20% women aged 50-74 who recently had a mammogram of the total female population aged 50-74.

Report Area	Total Population	Females Aged 50-74 with Recent Mammogram (Crude)	Females Aged 50-74 with Recent Mammogram (Age-Adjusted)
Patrick County, VA	17,493	72.20%	72.80%
Virginia	8,590,563	76.0%	75.8%
United States	331,449,281	78.2%	77.8%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2020. **Mammogram (Past 2 Years), Prevalence Among Women Aged 50-74 by**

Prevention: Taking Blood Pressure Medication

This indicator reports the number and percentage of adults aged 18 and older with high blood pressure (HTN) who report taking HTN medicine. Within the report area there are 83.40% adults aged 18 and older with high blood pressure who report taking HTN medicine of the total population aged 18 and older with high blood pressure.

Report Area	Total Population	Adults Aged 18+ with HTN Who Take Medicine for HTN (Crude)	Adults Aged 18+ with HTN Who Take Medicine for HTN (Age-Adjusted)
Patrick County, VA	17,602	83.40%	60.50%
Virginia	8,642,274	78.5%	61.5%
United States	331,893,745	78.2%	58.9%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#), 2021. **Blood Pressure Control, Percentage of Hypertensive Adults Aged 18+ by**

Health Risk Behaviors: Binge Drinking

This indicator reports the percentage of adults aged 18 and older who report having five or more drinks (men) or four or more drinks (women) on an occasion in the past 30 days. Within the report area there are 13.90% adults aged 18+ who reported having four or more drinks in the last month of the total population aged 18+.

Report Area	Total Population	Adults Aged 18+ Binge Drinking in the Past 30 Days (Crude)	Adults Aged 18+ Binge Drinking in the Past 30 Days (Age-Adjusted)
Patrick County, VA	17,602	13.90%	17.80%
Virginia	8,642,274	15.83%	16.80%
United States	331,893,745	15.50%	16.70%

Note: This indicator is compared to the state average. Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#), 2021.

Health Risk Behaviors: Current Smoking

This indicator reports the percentage of adults aged 18 and older who report having smoked at least 100 cigarettes in their lifetime and currently smoke every day or some days. Within the report area there are 17.50% adults aged 18+ who have smoked and currently smoke of the total population aged 18+.

Report Area	Total Population	Adults Aged 18+ as Current Smokers (Crude)	Adults Aged 18+ as Current Smokers (Age-Adjusted)
Patrick County, VA	17,602	17.50%	18.90%
Virginia	8,642,274	13.67%	14.07%
United States	331,893,745	13.50%	13.80%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021. **Current Smokers, Adult, Percent of Adults Aged 18+ by ZCTA, CDC BRFSS PLACES Project 2021**

Health Risk Behaviors: Insufficient Sleep

This indicator reports the percentage of adults aged 18 and older who report usually getting insufficient sleep (<7 hours for those aged ≥18 years, on averaged, during a 24-hour period). Within the report area there are 33.50% adults aged 18+ sleeping less than 7 hours on averaged of the total population of the total population aged 18+.

Report Area	Total Population (2020)	Adults Aged 18+ Sleeping Less Than 7 Hours on Averaged (Crude)	Adults Aged 18+ Sleeping Less Than 7 Hours on Averaged (Age-Adjusted)
Patrick County, VA	17,493	33.50%	35.30%
Virginia	8,590,563	34.1%	34.7%
United States	331,449,281	32.7%	33.3%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2020. **Inadequate Sleep Habits, Percent of Adults Aged 18+ by ZCTA, CDC BRFSS PLACES Project 2020**

Health Risk Behaviors: Physical Activity

This indicator reports the number and percentage of adults aged 18 and older who answered “no” to the following question: “During the past month, other than your regular job, did you participate in any physical activities or exercises such as running, calisthenics, golf, gardening, or walking for exercise?” Within the report area there are 26.20% adults aged 18+ who have no leisure-time physical activity last month of the total population aged 18+.

Report Area	Total Population	Adults Aged 18+ with No Leisure-Time Physical Activity (Crude)	Adults Aged 18+ with No Leisure-Time Physical Activity (Age-Adjusted)
Patrick County, VA	17,602	26.20%	23.50%
Virginia	8,642,274	21.63%	21.07%
United States	331,893,745	23.70%	23.00%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#), 2021.

Health Outcomes: Arthritis

This indicator reports the number and percentage of adults aged 18 and older who report having been told by a doctor, nurse, or other health professional that they had arthritis. Within the report area there are 37.00% adults aged 18 and older with arthritis of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ with Arthritis (Crude)	Adults Aged 18+ with Arthritis (Age-Adjusted)
Patrick County, VA	17,602	37.00%	27.20%
Virginia	8,642,274	26.7%	24.3%
United States	331,893,745	25.2%	22.2%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#), 2021.

Health Risk Behaviors Cancer

This indicator reports the number and percentage of adults aged 18 and older who report ever having been told by a doctor, nurse, or other health professional that they have any other types (besides skin) of cancer. Within the report area there are 9.60% adults aged 18 and older with cancer of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ with Cancer (Crude)	Adults Aged 18+ with Cancer (Age-Adjusted)
Patrick County, VA	17,602	9.60%	6.40%
Virginia	8,642,274	6.82%	6.06%
United States	331,893,745	7.00%	6.00%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021.

Health Outcomes: Chronic Kidney Disease

This indicator reports the number and percentage of adults aged 18 and older who report ever having been told by a doctor, nurse, or other health professional that they have kidney disease. Within the report area there are 4.00% adults aged 18 and older with kidney disease of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ Ever Diagnosed with Kidney Disease (Crude)	Adults Aged 18+ with Kidney Disease (Age-Adjusted)
Patrick County, VA	17,602	4.00%	2.80%
Virginia	8,642,274	3.00%	2.73%
United States	331,893,745	3.10%	2.70%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021.

Health Outcomes: Chronic Obstructive Pulmonary Disease

This indicator reports the percentage of adults aged 18 and older who report ever having been told by a doctor, nurse, or other health professional that they had chronic obstructive pulmonary disease (COPD), emphysema, or chronic bronchitis.

Within the report area, there were 10.30% of adults aged 18 and older who reported having chronic obstructive pulmonary disease of the total population aged 18 and older.

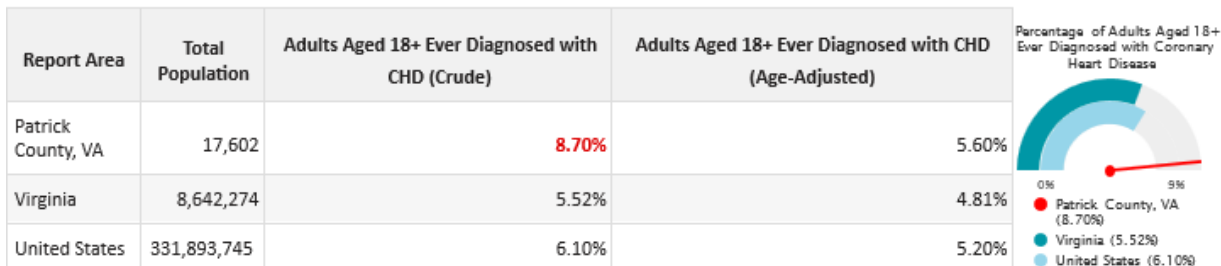
Report Area	Total Population	Adults Aged 18+ Ever Diagnosed with COPD(Crude)	Adults Aged 18+ with COPD (Age-Adjusted)
Patrick County, VA	17,602	10.30%	7.60%
Virginia	8,642,274	6.38%	5.70%
United States	331,893,745	6.40%	5.70%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the PLACES Data Portal. 2021.

Health Outcomes: Coronary Heart Disease

This indicator reports the percentage of adults aged 18 and older who report ever having been told by a doctor, nurse, or other health professional that they had angina or coronary heart disease. Within the report area, there were 8.70% of adults 18 and older who reported having coronary heart disease of the total population aged 18 and older.



Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the PLACES Data Portal. 2021.

Health Outcomes: Current Asthma

This indicator reports the percentage of adults aged 18 and older who answer “yes” to both of the following questions: “Have you ever been told by a doctor, nurse, or other health professional that you have asthma?” and the question “Do you still have asthma?” Within the report area, there were 10.40% of adults aged 18+ who reported having asthma of the total population aged 18+.

Report Area	Total Population	Adults Aged 18+ with Asthma (Crude)	Adults Aged 18+ with Asthma (Age-Adjusted)
Patrick County, VA	17,602	10.40%	10.70%
Virginia	8,642,274	10.2%	10.2%
United States	331,893,745	9.7%	9.7%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021.

Health Outcomes: Depression

This indicator reports the percentage of adults aged 18 and older who report having been told by a doctor, nurse, or other health professional that they had depressive disorder.

Within the report area, there were 22.50% of adults aged 18 and older who reported having depressive disorder of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ with Depression (Crude)	Adults Aged 18+ with Depression (Age-Adjusted)
Patrick County, VA	17,602	22.50%	24.70%
Virginia	8,642,274	20.1%	20.5%
United States	331,893,745	19.5%	19.8%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021.

Health Outcomes: Diabetes

This indicator reports the number and percentage of adults aged 18 and older who report ever been told by a doctor, nurse, or other health professional that they have diabetes other than diabetes during pregnancy.

Within the report area there are 14.00% adults aged 18 and older with diabetes of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ Ever Diagnosed with Diabetes (Crude)	Adults Aged 18+ Ever Diagnosed with Diabetes (Age-Adjusted)
Patrick County, VA	17,602	14.00%	9.80%
Virginia	8,642,274	11.11%	9.92%
United States	331,893,745	11.30%	9.90%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, Behavioral Risk Factor Surveillance System. Accessed via the PLACES Data Portal, 2021.

Health Outcomes: High Blood Pressure

This indicator reports the percentage of adults aged 18 and older who report ever having been told by a doctor, nurse, or other health professional that they have high blood pressure (HTN). Women who were told high blood pressure only during pregnancy and those who were told they had borderline hypertension were not included.

Within the report area, there were 42.50% of adults aged 18+ who reported having high blood pressure of the total population aged 18+.

Report Area	Total Population	Adults Aged 18+ with HTN (Crude)	Adults Aged 18+ with HTN (Age-Adjusted)
Patrick County, VA	17,602	42.50%	32.50%
Virginia	8,642,274	34.3%	31.7%
United States	331,893,745	32.7%	29.6%

Note: This indicator is compared to the state average. Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021.

Outcomes: High Cholesterol

This indicator reports the percentage of adults aged 18 and older who report having been told by a doctor, nurse, or other health professional that they had high cholesterol.

Within the report area, there were 45.70% of adults aged 18 and older who reported having high cholesterol of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ with High Cholesterol (Crude)	Adults Aged 18+ with High Cholesterol (Age-Adjusted)
Patrick County, VA	17,602	45.70%	35.20%
Virginia	8,642,274	37.6%	33.4%
United States	331,893,745	36.4%	31.0%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021.

Health Outcomes: Obesity

This indicator reports the number and percentage of adults aged 18 and older who are obese, defined as having a body mass index (BMI) ≥ 30.0 kg/m², calculated from self-reported weight and height.

Within the report area there are 33.00% adults aged 18 and older with obesity of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ with Obesity (BMI ≥ 30.0 kg/m ²) (Crude)	Adults Aged 18+ with Obesity (BMI ≥ 30.0 kg/m ²) (Age-Adjusted)
Patrick County, VA	17,602	33.00%	32.90%
Virginia	8,642,274	34.45%	34.46%

United States	331,893,745		33.00%		33.00%
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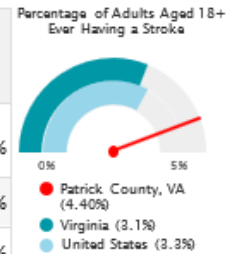
Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#), 2021.

Health Outcomes: Stroke

This indicator reports the number and percentage of adults aged 18 and older who report ever having been told by a doctor, nurse, or other health professional that they have had a stroke. Within the report area, there were 4.40% of adults 18 and older who reported having a stroke of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ Ever Having a Stroke (Crude)	Adults Aged 18+ Ever Having a Stroke (Age-Adjusted)
Patrick County, VA	17,602	4.40%	3.00%
Virginia	8,642,274	3.1%	2.8%
United States	331,893,745	3.3%	2.8%



Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#), 2021.

Health Outcomes: Teeth Loss

This indicator reports the number and percentage of adults aged 18 and older who report having lost all of their natural teeth because of tooth decay or gum disease.

Within the report area, there were 12.00% of adults 18 and older who reported losing all natural teeth of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ with Poor Dental Health (Crude)	Adults Aged 18+ with Poor Dental Health (Age-Adjusted)
Patrick County, VA	17,493	12.00%	12.60%
Virginia	8,590,563	8.6%	9.0%
United States	331,449,281	13.4%	13.9%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2020.

Health Status: Poor Mental Health Days

This indicator reports the percentage of adults aged 18 and older who report 14 or more days during the past 30 days during which their mental health was not good.

Within the report area, there were 15.30% of adults 18 and older who reported poor mental health in the past month of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ with Poor Mental Health (Crude)	Adults Aged 18+ with Poor Mental Health (Age-Adjusted)
Patrick County, VA	17,602	15.30%	17.90%
Virginia	8,642,274	14.74%	15.27%
United States	331,893,745	14.70%	15.20%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021.

Health Status: Poor or Fair Health

This indicator reports the number and percentage of adults aged 18 and older who self-report their general health status as “fair” or “poor.” In this report area, the estimated prevalence of fair or poor health among adults aged 18 years and older was 20.20%.

Report Area	Total Population	Adults Aged 18+ with Poor or Fair General Health (Crude)	Adults Aged 18+ with Poor or Fair General Health (Age-Adjusted)
Patrick County, VA	17,602	20.20%	17.10%
Virginia	8,642,274	15.33%	14.60%
United States	331,893,745	16.10%	15.20%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021.

Health Status: Poor Physical Health Days

This indicator reports the percentage of adults aged 18 and older who report 14 or more days during the past 30 days during which their physical health was not good. Within the report area, there were 14.00% of adults 18 and older who reported poor physical health in the past month of the total population aged 18 and older.

Report Area	Total Population	Adults Aged 18+ with Poor Physical Health (Crude)	Adults Aged 18+ with Poor Physical Health (Age-Adjusted)
Patrick County, VA	17,602	14.00%	11.90%
Virginia	8,642,274	10.4%	9.9%
United States	331,893,745	10.9%	10.3%

Note: This indicator is compared to the state average.

Data Source: Centers for Disease Control and Prevention, [Behavioral Risk Factor Surveillance System](#). Accessed via the [PLACES Data Portal](#). 2021.

This document is the result of much research and planning conducted by teams of Patrick County citizens, medical professionals, nonprofit partners, economic development leaders, emergency managers, various experts, members of the faith community, and interested others. Printed copies may be obtained by downloading the file.