

All appendices referenced in the CHNA report are described below and are also available online at [inova.org](http://inova.org).

## Appendix A: Community Engagement

Summary of community outreach and engagement efforts

## Appendix B: Population Profile, IMVH Community

Detailed maps and charts exploring resident demographics and characteristics

## Appendix C: Forces of Change Assessment Discussion and Responses

Complete responses for the Forces of Change discussions

## Appendix D: Community Themes and Strengths Assessment

Communitywide survey results broken down by demographics

## Appendix E: Community Health Status Assessment Results

Chart of health indicators used to identify disparities, trends, and progress towards state and national benchmarks

## Appendix F: Identifying Top Health Issues Methodology

Description of process and outcomes

## Appendix G: Actions Taken Since the Previous CHNA

## Appendix A: Community Engagement

The 2019 Inova Mount Vernon Hospital (IMVH) Community Health Needs Assessment (CHNA) adopts community data gathered during the Community Health Assessments (CHA) of both Fairfax County and the City of Alexandria.

The main tool utilized in the Fairfax County CHA was an analysis of a variety of community assessments produced by key groups and partners in the community. Some assessments examined a broad range of health-related indicators, and others studied a specific program area or health-related issue. Diverse sectors of the community were broadly represented, and together these assessments provide a comprehensive profile of the Fairfax community.

The 12 assessments included in the Fairfax County CHA were the following: Community Health Dashboard, Fairfax County Youth Survey, Fairfax County Human Services Needs Assessment, Inova Community Health Needs Assessment, Kaiser Permanente Community Health Needs Assessment, Community Assessment for Public Health Emergency Response, Fairfax Food Council Community Food Assessment, Culturally and Linguistically Appropriate Services Survey, Equitable Growth Profile of Fairfax County, A Study in Contrasts: Why Life Expectancy Varies in Northern Virginia, Fairfax County Park Authority Needs Assessment, The State of the Health Care Workforce in Northern Virginia. For more information on the Fairfax County CHA, visit [www.fairfaxcounty.gov/livehealthy](http://www.fairfaxcounty.gov/livehealthy).

The Alexandria Health Department (AHD) engaged the community through three main avenues – public meetings, PhotoVoice and Public Health Pop-Ups. AHD hosted three community meetings to ensure transparency and engage community members in the CHA process. Meeting locations were selected deliberately for geographic diversity, proximity to public transit, and easy accessibility for those with limited mobility.

PhotoVoice is a method to crowdsource information using pictures. AHD introduced the concept during the July 26, 2018 public meeting and asked attendees to submit photos that capture either what people are proud of in Alexandria or what could be improved. Participants could submit up to five photos with captions through email or text message, and participants submitted more than 70 pictures and captions.

During the Community Themes and Strengths Assessment (CTSA) public survey, AHD staff organized 26 public health pop-ups to collect surveys and promote the November 3, 2018 community meeting. These pop-up locations were selected to meet residents where they are and encourage survey participation from community members who may not be fully engaged in civic processes because of time, awareness, literacy, or language barriers.

Additionally, Inova staff gathered feedback from the Partnership for a Healthier Fairfax Steering Committee and the Fairfax County Multicultural Advisory Council through targeted focus group questions.

## Appendix B: Community Description

This section identifies and describes the community that was assessed by IMVH. The community was defined by considering the geographic origins of the hospital's inpatient discharges and emergency department visits.

The Inova Mount Vernon Hospital community is comprised of 13 ZIP codes, including 9 ZIP codes in Fairfax County and 4 in the City of Alexandria.

In 2018, the 13 ZIP codes that comprise the hospital's community accounted for 53 percent of its discharges and 73 percent of its emergency department visits. This defined community reflects a smaller proportion of patients than may normally be assessed due to the hospital's role as a regional referral center for rehabilitation care. Patients from across Northern Virginia and the Washington D.C. metropolitan area receive rehabilitation services at Inova Mount Vernon Hospital.

### Total Population

Figure B1: IMVH Community

City or County	Percent of Discharges	Percent of Emergency Department Visits
Alexandria City, VA	6.6%	3.0%
Fairfax County, VA	46.8%	69.7%
<b>Community Total</b>	<b>53.4%</b>	<b>72.7%</b>
Other Areas	46.6%	27.3%
All Areas	100.0%	100.0%
<b>Total Discharges and ED Visits</b>	<b>8,383</b>	<b>39,666</b>

Source: Inova Health System, 2018.

Figure B2: Percent Change in Community Population by Subregion, IMVH Community (2015 – 2025)

Community	Total Population			Percent Change	
	2015	2020	2025	2015-2020	2020-2025
<b>Alexandria City</b>	<b>83,151</b>	<b>94,221</b>	<b>102,894</b>	<b>13.3%</b>	<b>9.2%</b>
Alexandria/Old Town	83,151	94,221	102,894	13.3%	9.2%
<b>Fairfax County</b>	<b>200,197</b>	<b>205,095</b>	<b>214,438</b>	<b>2.4%</b>	<b>4.6%</b>
Franconia/Kingstowne	55,473	55,952	57,641	0.9%	3.0%
Lorton/Newington	31,146	33,721	35,834	8.3%	6.3%
Mount Vernon North	25,377	26,157	28,459	3.1%	8.8%
Mount Vrn South / Ft. Belvoir	88,201	89,265	92,505	1.2%	3.6%
<b>Community Total</b>	<b>283,348</b>	<b>299,316</b>	<b>317,332</b>	<b>5.6%</b>	<b>6.0%</b>

Source: Metropolitan Washington Council of Governments, 2015

### Age

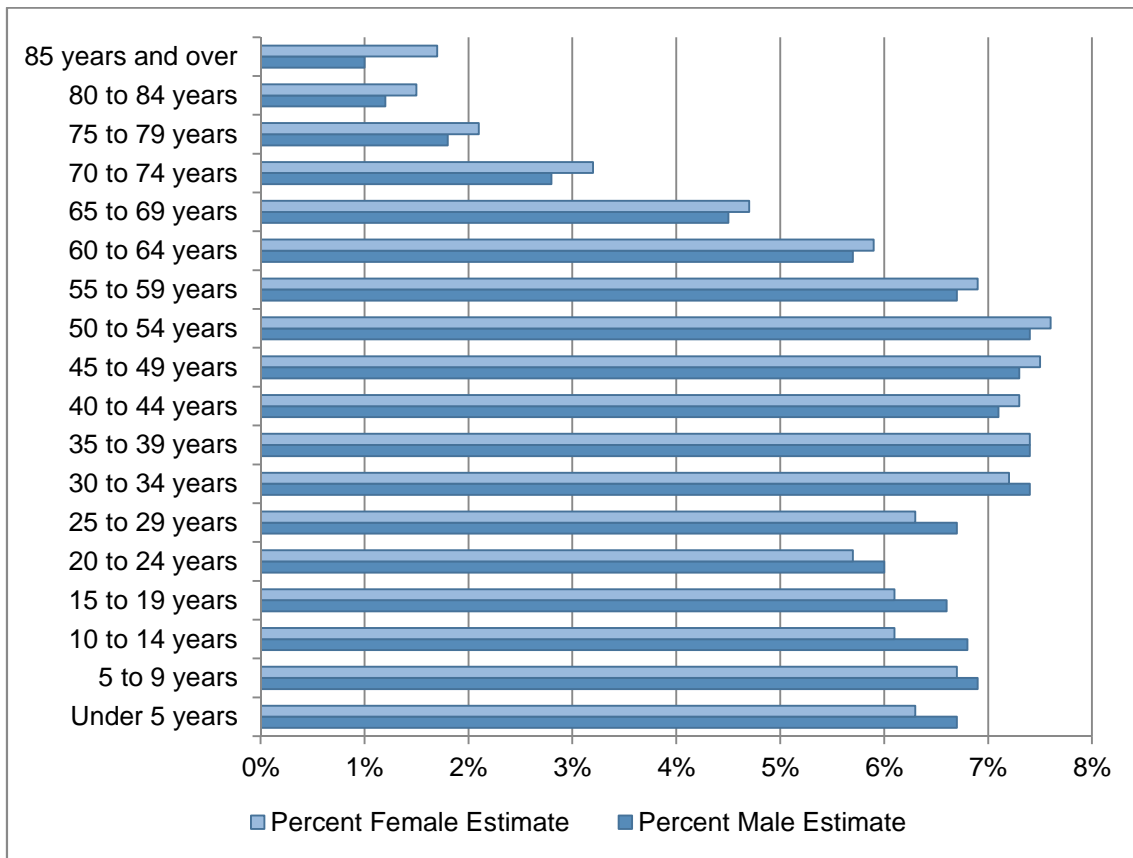
Population characteristics and changes directly influence community health needs. The total population in the Inova Fairfax Medical Campus community is expected to grow nearly 12 percent from 2015 to 2025. In that same time frame, the population 65+ is expected to increase by 46%. The growth of older populations is likely to lead to a growing need for health services, since on an overall per-capita basis, older individuals typically need and use more services than younger persons.

Figure B3: Percent Change in Population by Age Cohort, IMVH Community (2015 – 2025)

Age Cohort	Total Population			Percent Change	
	2015	2020	2025	2015-2020	2020-2025
0-17	64,999	67,258	70,251	3.5%	4.5%
18-44	107,992	112,324	117,187	4.0%	4.3%
45-64	76,845	78,447	80,996	2.1%	3.2%
65+	33,512	41,286	48,898	23.2%	18.4%
<b>Total</b>	<b>283,348</b>	<b>299,316</b>	<b>317,332</b>	<b>5.6%</b>	<b>6.0%</b>

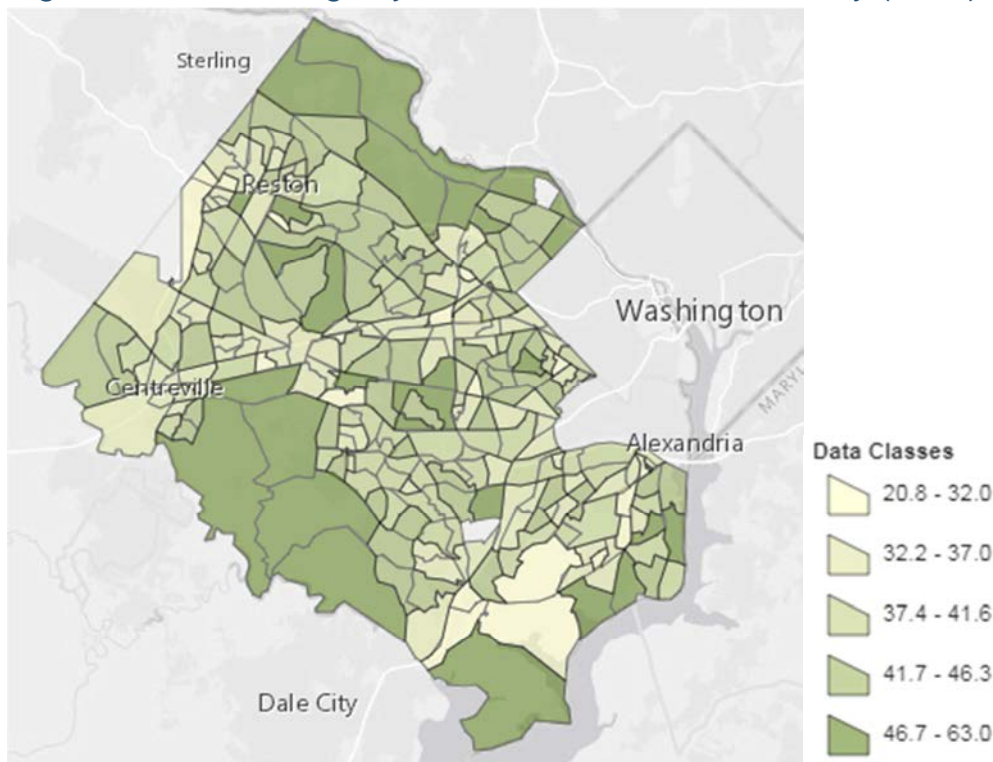
Source: Metropolitan Washington Council of Governments, 2015

Figure B4: Age Distribution by Sex, Fairfax County (2017)



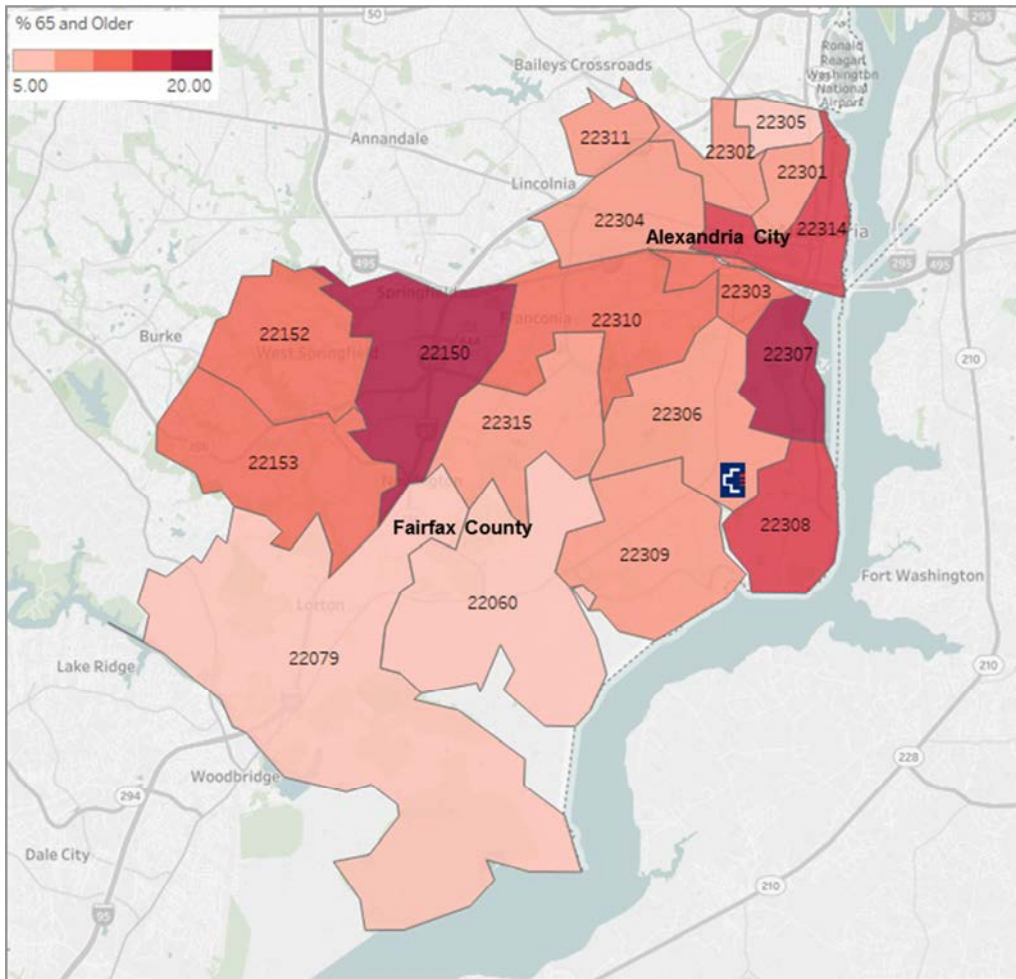
Source: 2013-2017 ACS 5-year estimates.

Figure B5: Median Age by Census Tract, Fairfax County (2017)



Source: 2013-2017 ACS 5-year estimates.

Figure B6: Percent of Population Aged 65+ by Zip Code, IMVH Community (2017)

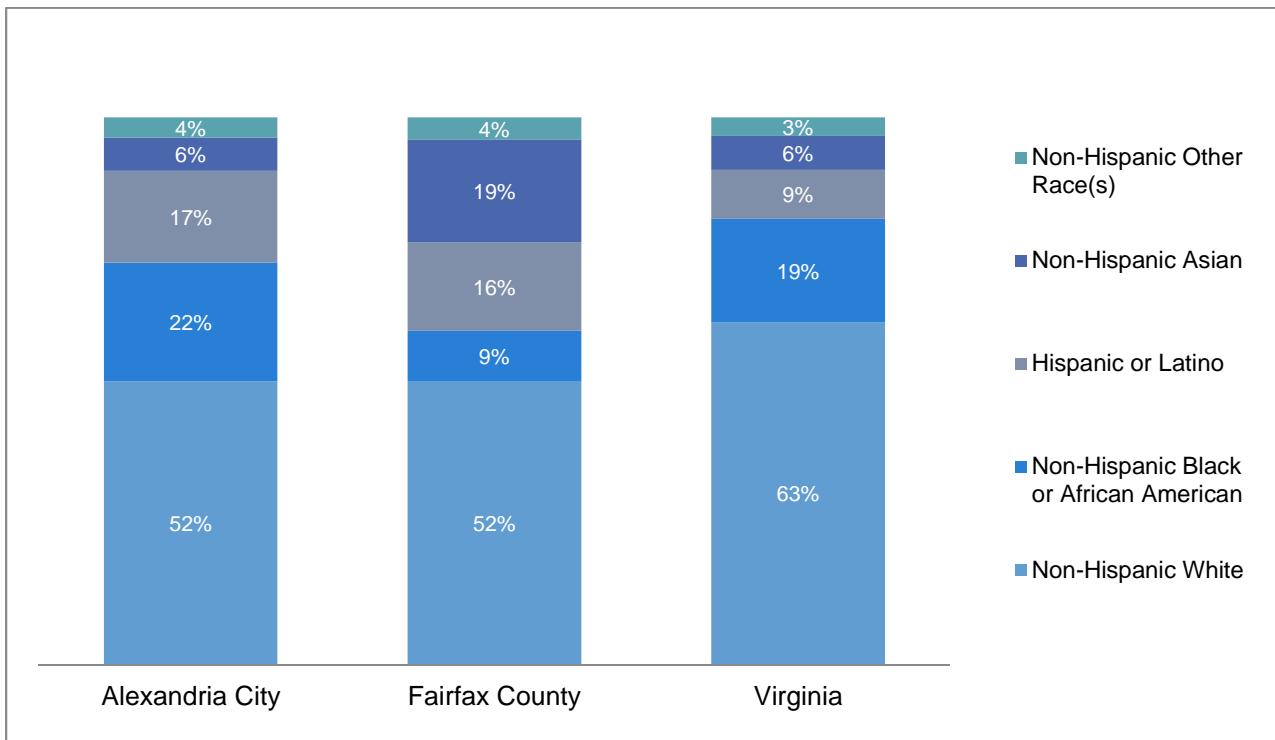


Source: Tableau and U.S. Census, ACS 5-Year Estimates, 2013-2017

Race and Ethnicity

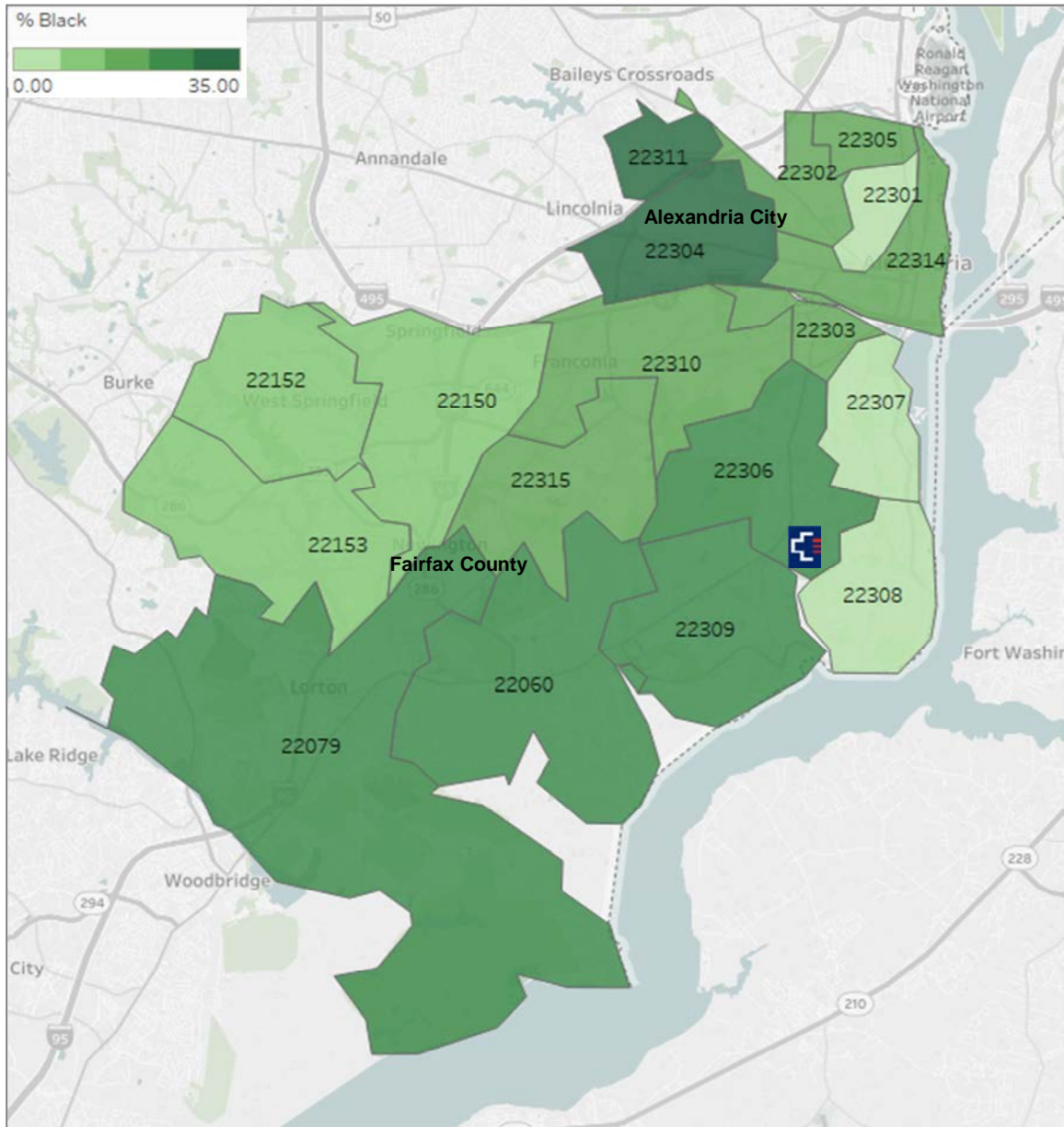
In Fairfax County in 2017, Asians, Hispanics, and African Americans represented 19%, 16%, and 9% of the county’s population, respectively. One-quarter of the state’s Hispanic population resides in Fairfax County (U.S. Census Bureau). Racial and ethnic diversity is increasing, as these groups are growing and the percent of the population that is White/Caucasian (excluding Hispanics and Latinos) is decreasing. Additionally, there are portions of the community with high percentages of residents who are foreign-born as well as households with limited English proficiency.

Figure B7: Race and Ethnicity by Location (2017)



Source: 2013-2017 ACS 5-year estimates.

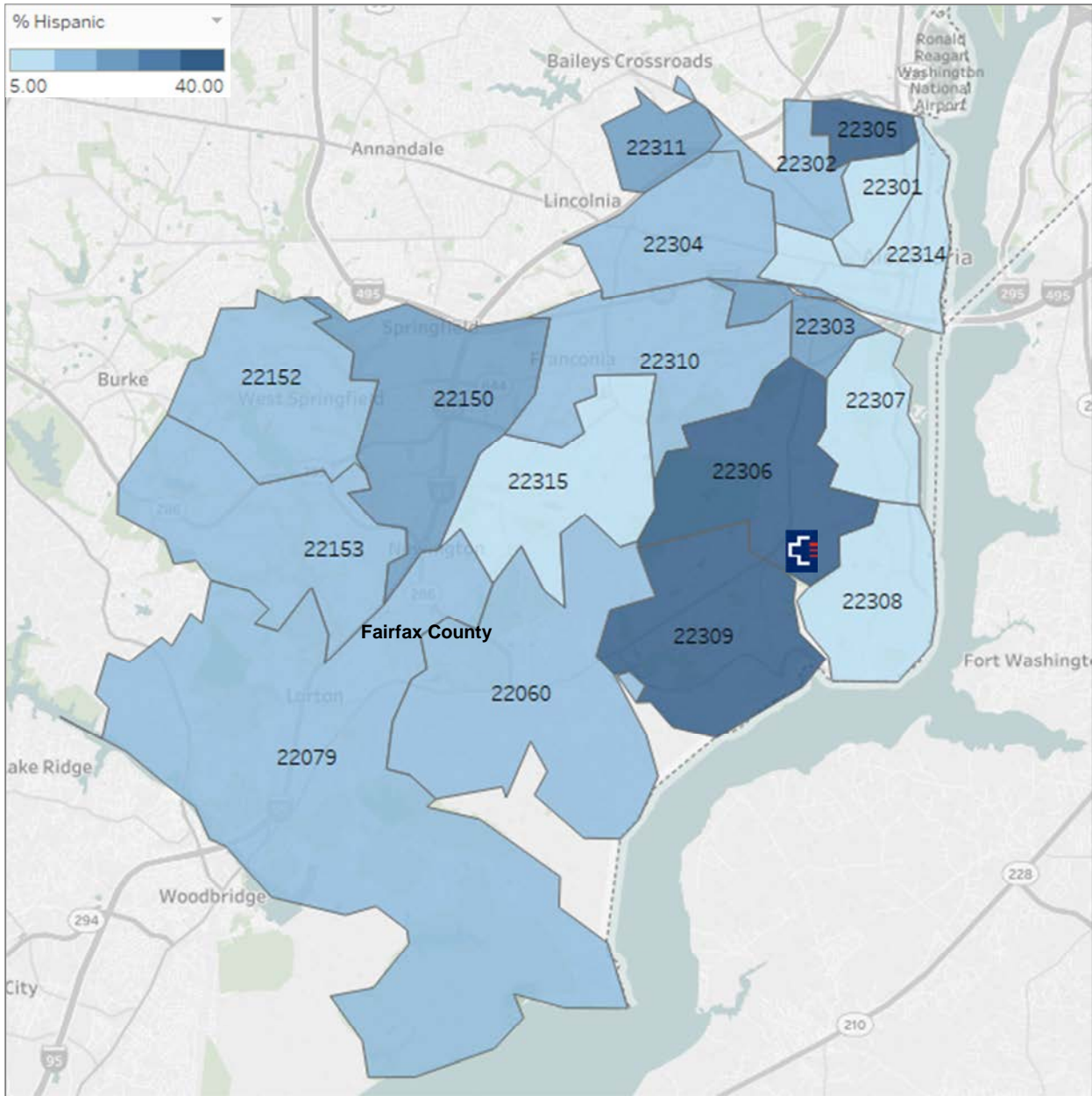
Figure B8: Percent of Population Black, IMVH Community (2017)



Source: Tableau and U.S. Census, ACS 5-Year Estimates, 2013-2017

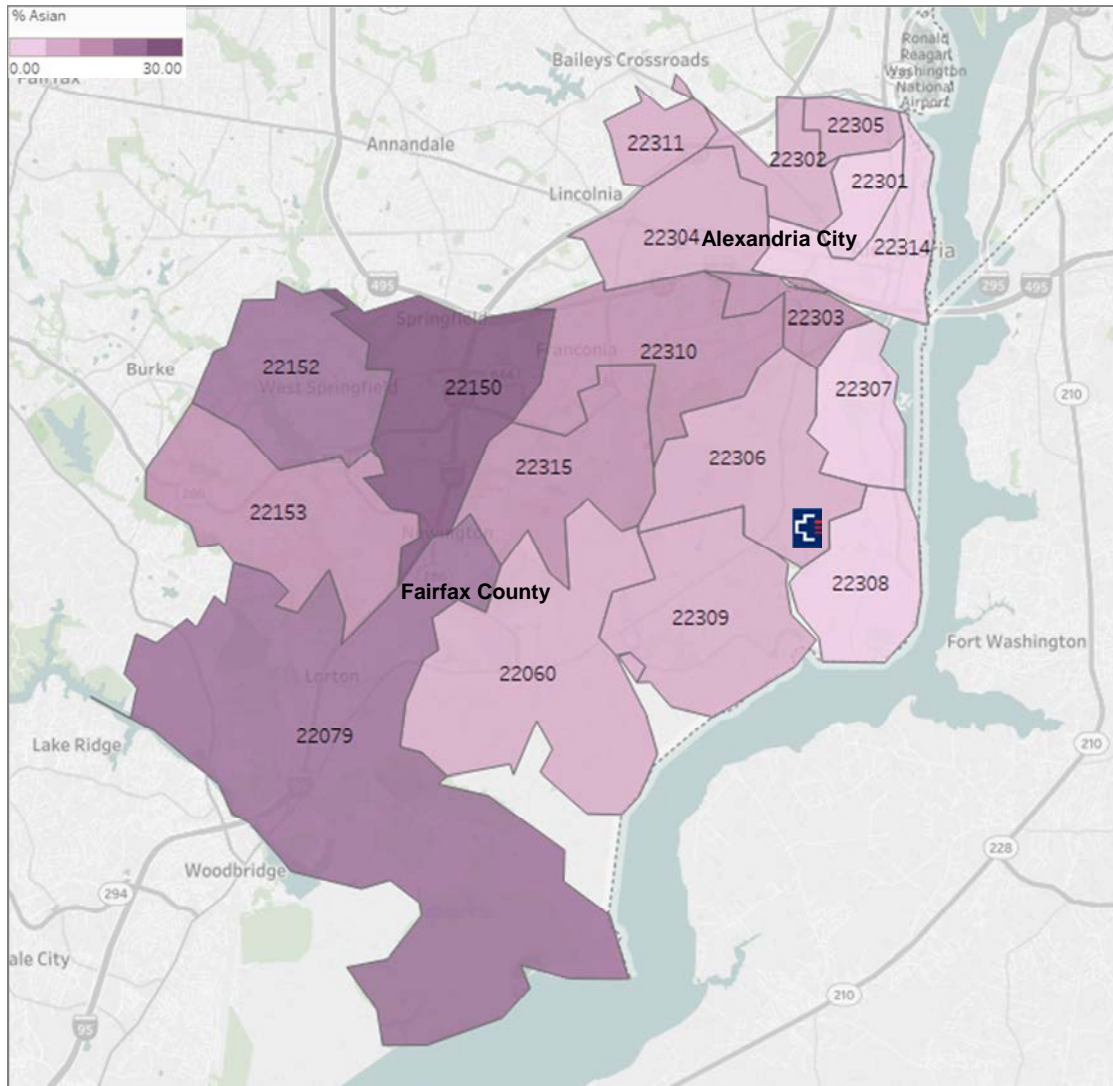


Figure B9: Percent of Population Hispanic or Latino, IMVH Community (2017)



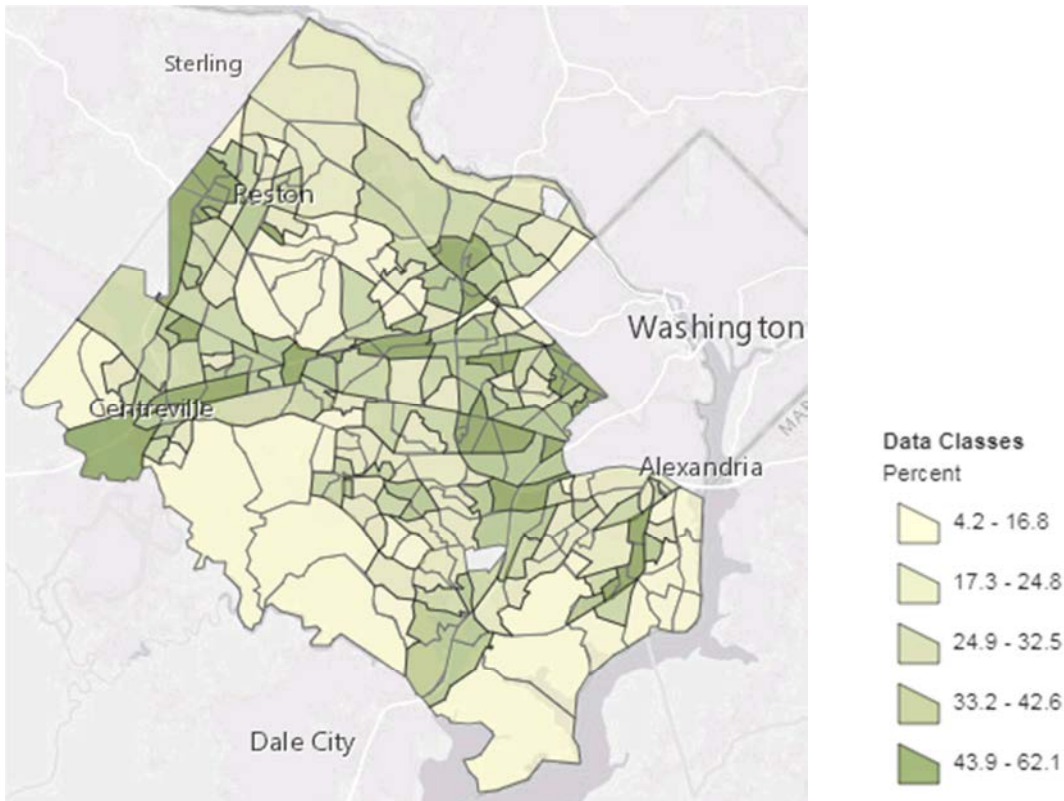
Source: Tableau and U.S. Census, ACS 5-Year Estimates, 2013-2017

Figure B10: Percent of Population Asian, IMVH Community (2017)



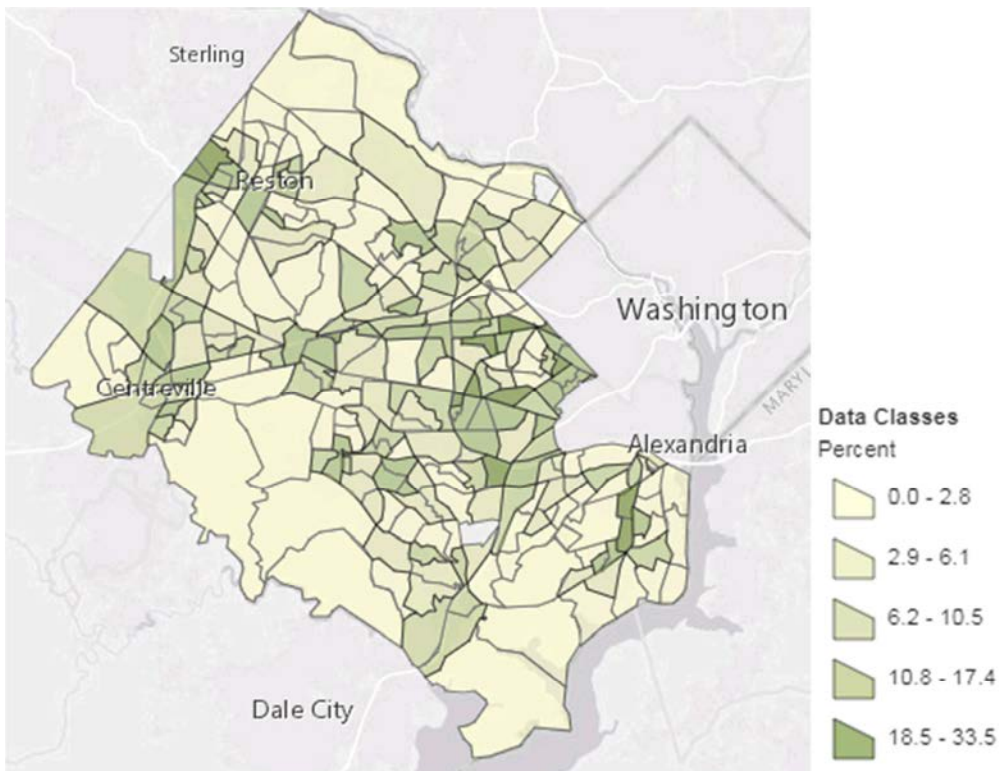
Source: Tableau and U.S. Census, ACS 5-Year Estimates, 2013-2017

Figure B11: Percent of Population Foreign-Born by Census Tract, Fairfax County (2017)



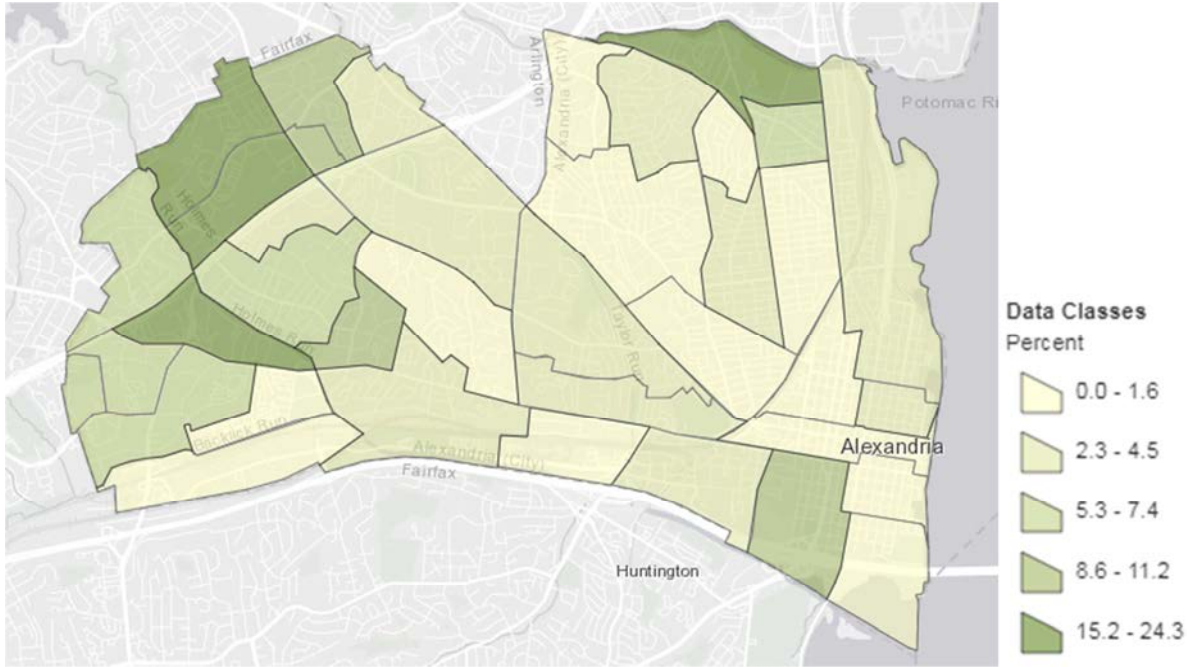
Source: 2013-2017 ACS 5-year estimates.

Figure B12: Percent of Limited English Speaking Households by Census Tract, Fairfax County (2017)



Source: 2013-2017 ACS 5-year estimates.

Figure B13: Percent of Population with Limited English Speaking Households, City of Alexandria (2017)

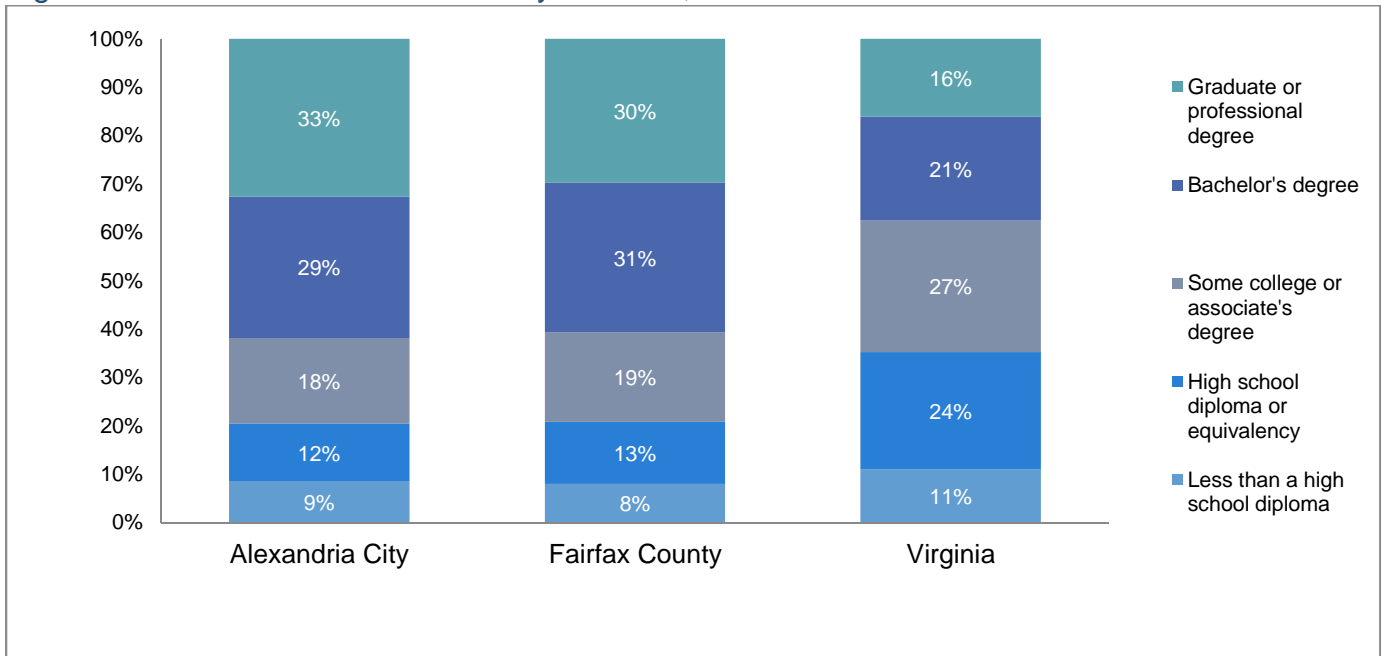


Source: 2013-2017 ACS 5-year estimates.

### Education

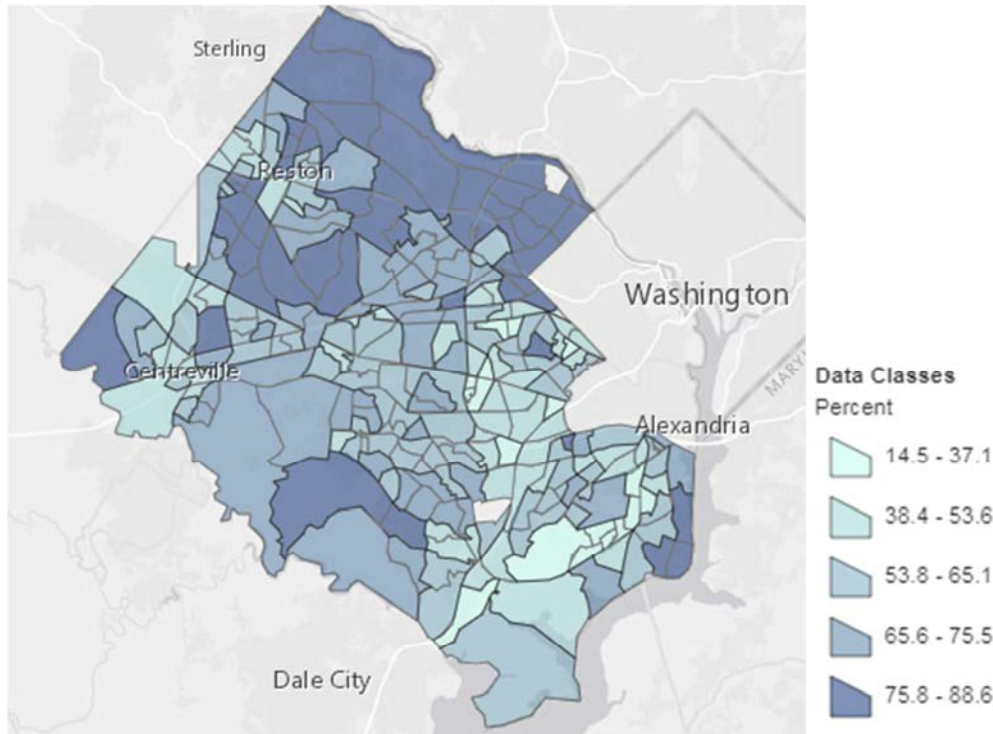
Overall the IMVH Community is highly educated. In Fairfax County and the City of Alexandria, 61-62% of residents hold a Bachelor’s degree or higher, with about one third of residents holding a graduate or professional degree. However, there are noticeable discrepancies within the County.

Figure B14: Educational Attainment by Location, 2017



Source: 2013-2017 ACS 5-year estimates.

Figure B15: Percent of Residents Age 25+ with Bachelor’s Degree or Higher by Census Tract, Fairfax County (2017)



Source: 2013-2017 ACS 5-year estimates.

## Health Insurance

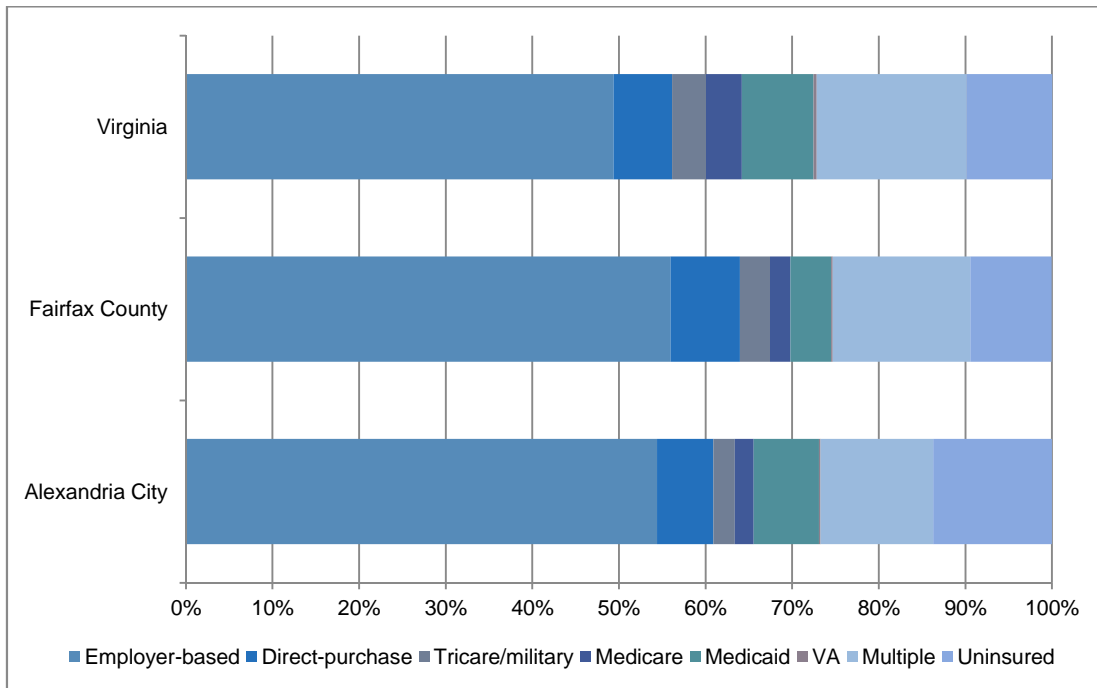
### Virginia Medicaid Expansion

Prior to 2019 in Virginia, Medicaid was primarily available to children in low-income families, pregnant women, low-income elderly persons, individuals with disabilities, and parents who met specific income thresholds.<sup>1</sup> Adults without children or disabilities were ineligible.

In January 2019 Virginia expanded Medicaid eligibility to make healthcare more accessible for these populations. It was estimated that over 400,000 Virginians would potentially gain coverage if Medicaid were expanded. As of July 2019, 300,000 Virginia residents enrolled in Medicaid under the expanded program.

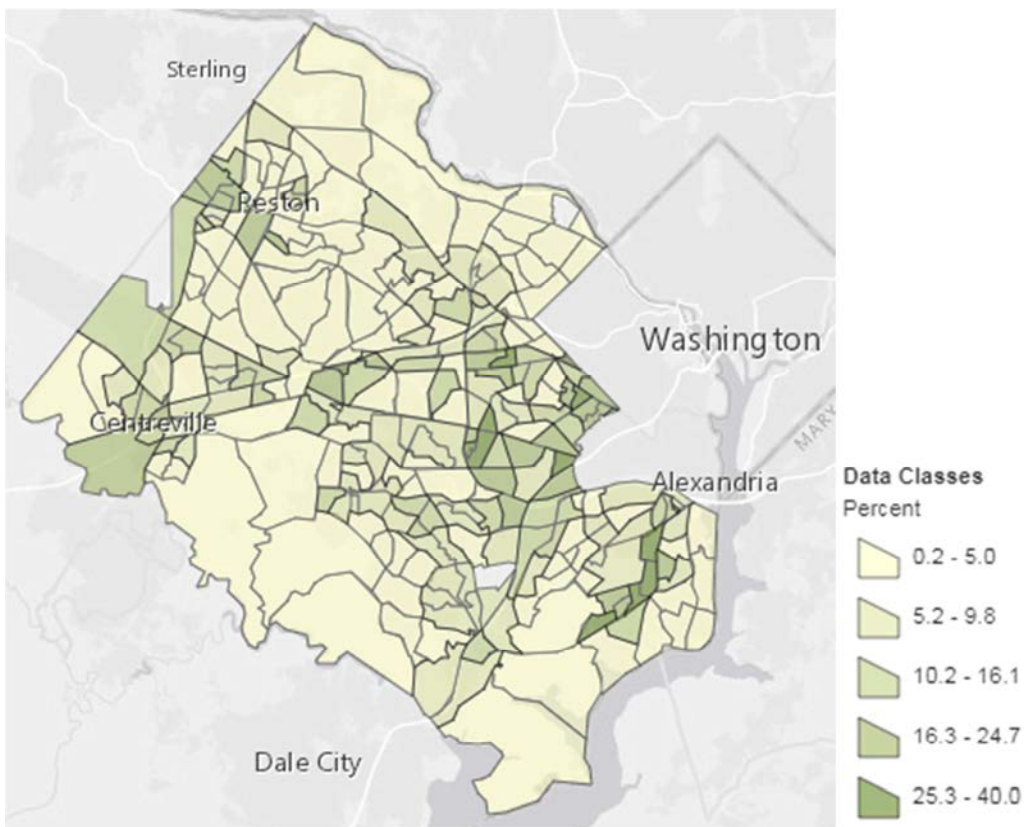
<sup>1</sup> DMAS.

Figure B16: Health Insurance Types, by Location (2017)



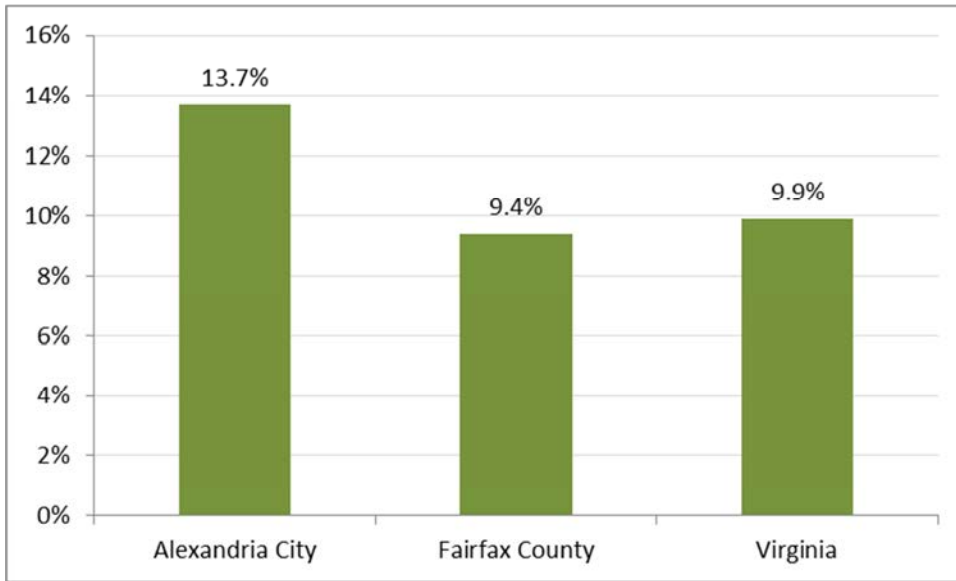
Source: 2013-2017 ACS 5-year estimates.

Figure B17: Percent of Residents without Health Insurance Coverage by Census Tract, Fairfax County (2017)



Source: 2013-2017 ACS 5-year estimates.

Figure B18: Percent of the Population Without Health Insurance, IMVH Community (2017)

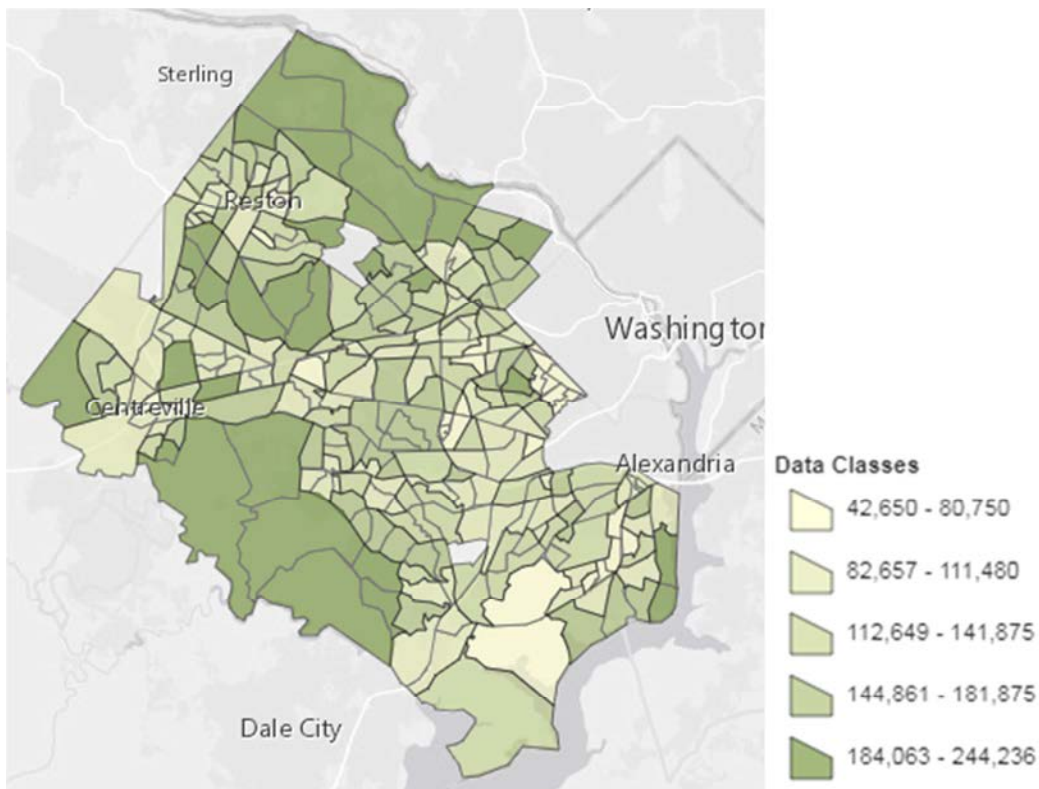


Source: U.S. Census, ACS 5-Year Estimates, 2013-2017

**Socioeconomic**

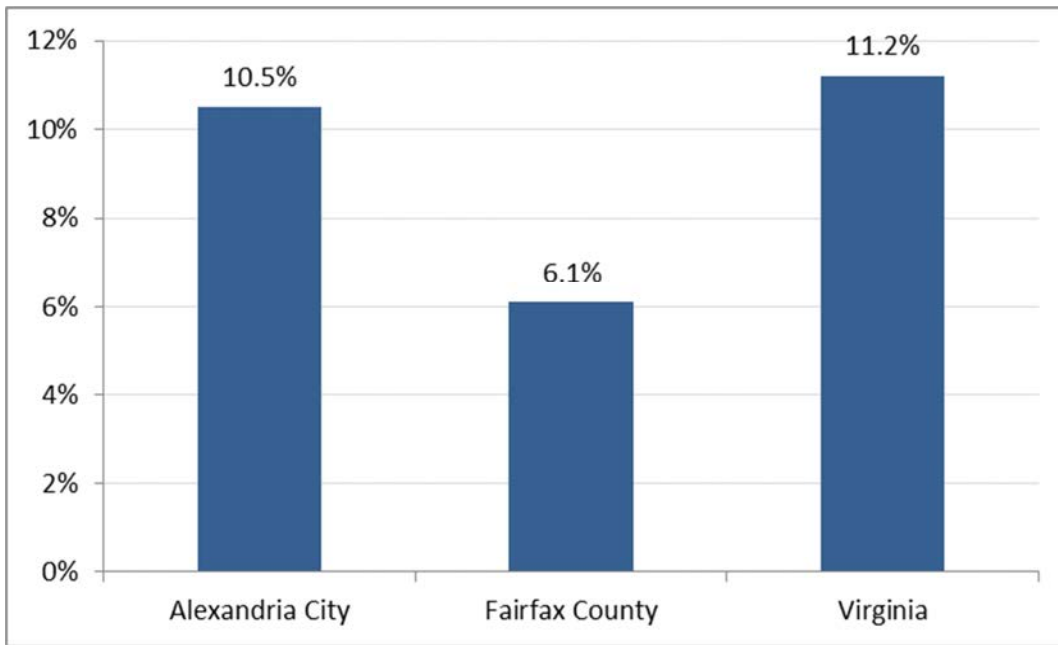
Many health needs have been associated with poverty, unemployment and other socioeconomic factors. While most socioeconomic indicators in the IMVH community are favorable compared to Virginia overall, there are disparities by race/ethnicity, county/city and even census tract.

Figure B19: Median Household Income by Census Tract, Fairfax County (2017)



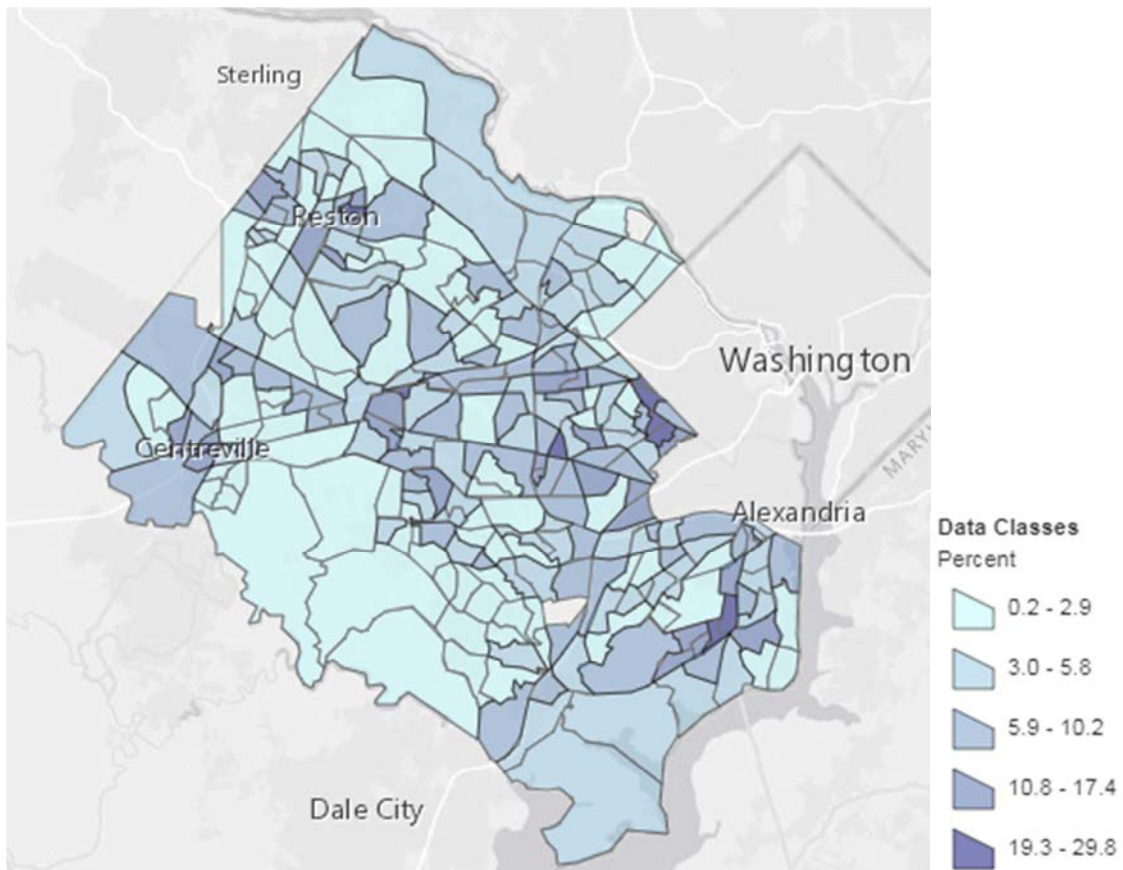
Source: U.S. Census, ACS 5-Year Estimates, 2013-2017

Figure B20: Poverty Distribution, IMVH Community (2017)



Source: U.S. Census, ACS 5-Year Estimates, 2013-2017

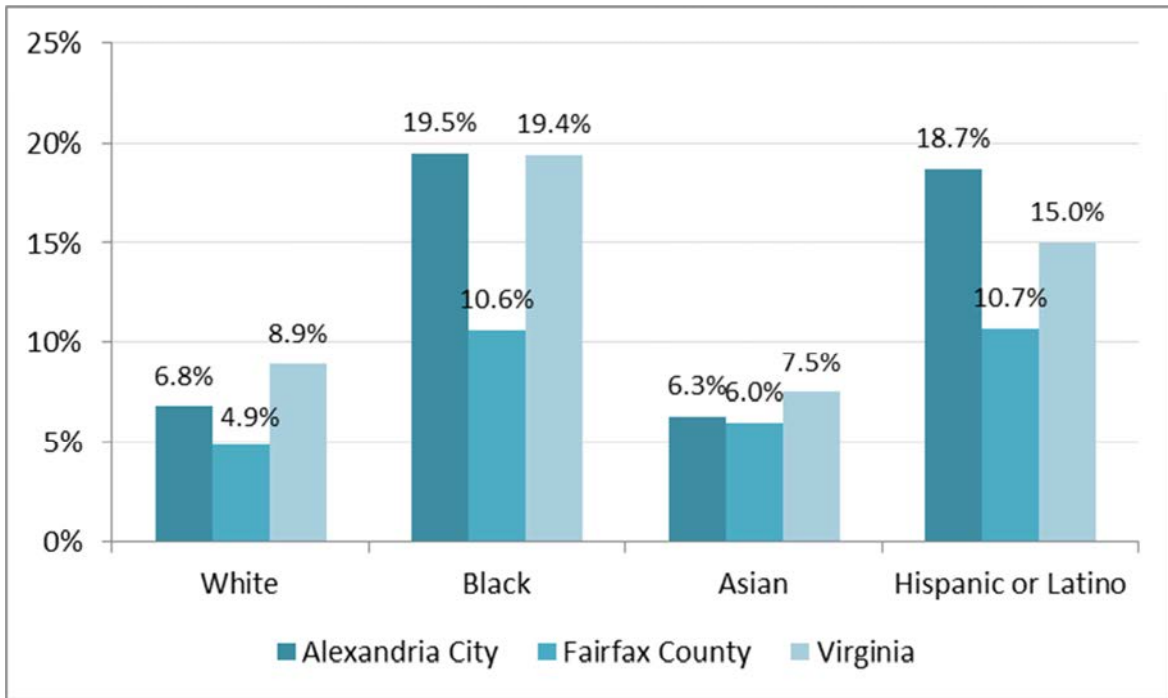
Figure B21: Poverty Distribution by Census Tract, Fairfax County (2017)



Source: U.S. Census, ACS 5-Year estimates, 2013-2017

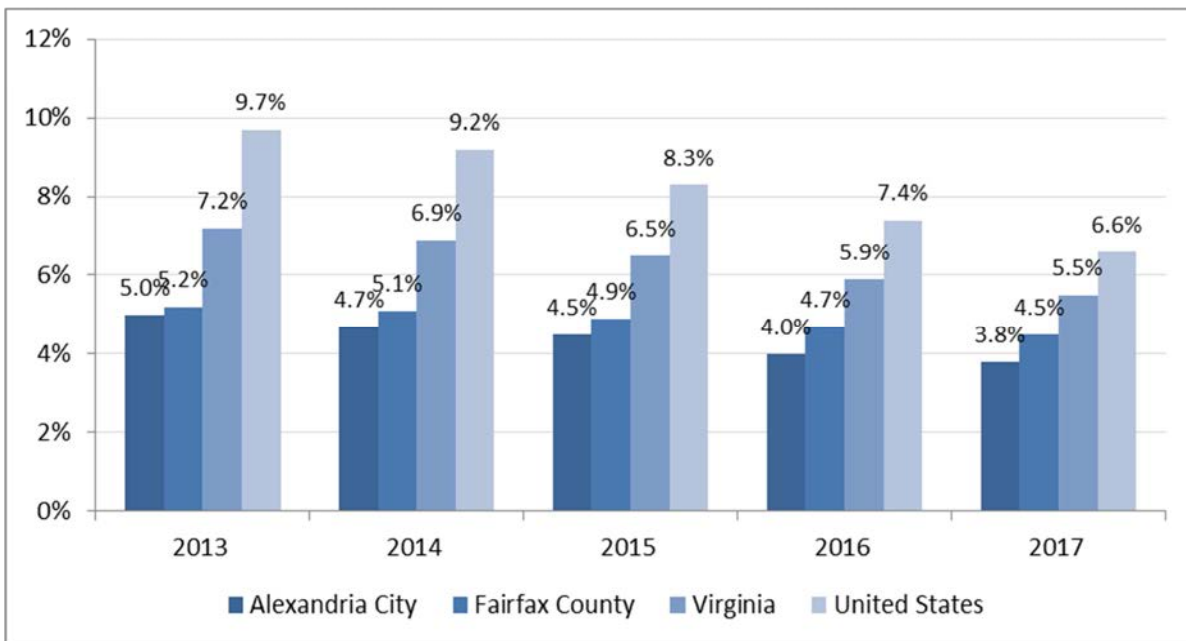


Figure B22: Poverty Rates by Race and Ethnicity, IMVH Community (2017)



Source: U.S. Census, ACS 5-Year estimates, 2013-2017

Figure B23: Unemployment Rates Over Time, IMVH Community (2013 – 2017)



Source: U.S. Census, ACS 5-Year estimates, 2013-2017

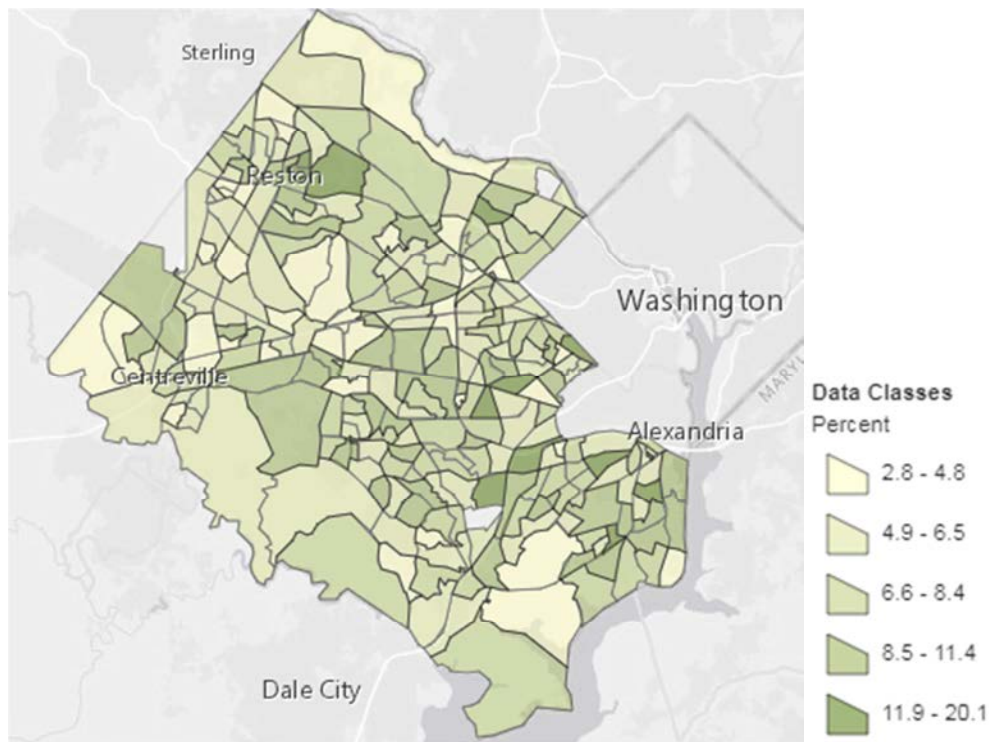
Figure B24: Other Socioeconomic Factors, IMVH Community (2017)

Measure	Alexandria City	Fairfax County	Virginia	U.S.
Population 25+ without High School Diploma	8.6%	8.0%	11.0%	12.7%
Population with a Disability	7.1%	7.0%	11.5%	12.6%
Population Linguistically Isolated*	5.8%	4.5%	2.7%	4.7%

Source: U.S. Census, ACS 5-Year Estimates, 2013-2017

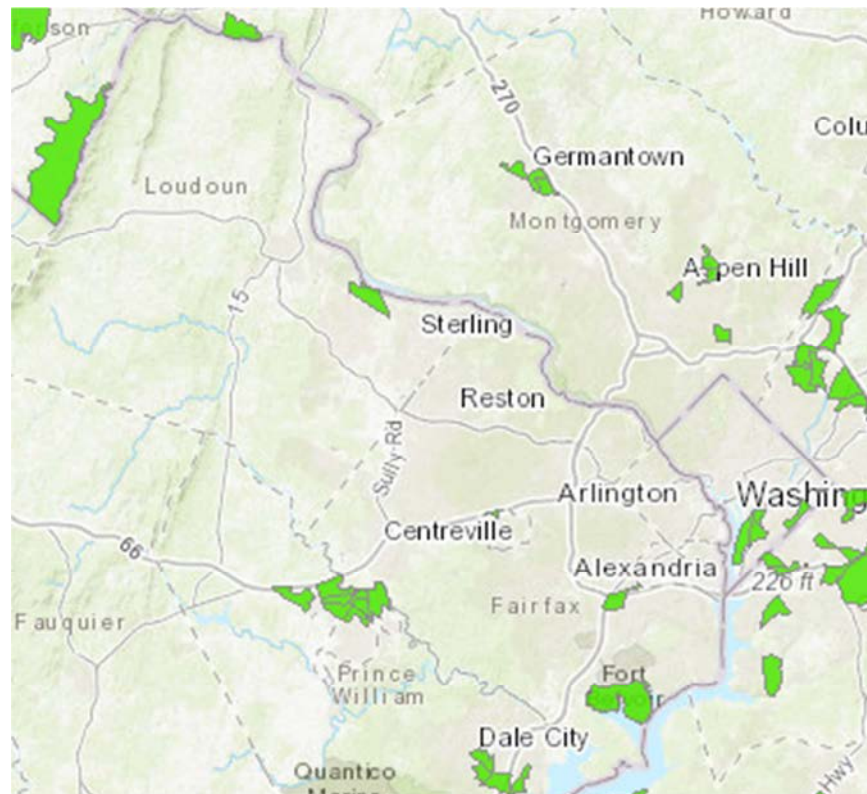
Source: \*U.S. Census, ACS 5-Year Estimates, 2007-2011

Figure B25: Percent of Residents with a Disability by Census Tract, Fairfax County (2017)



Source: U.S. Census, ACS 5-Year estimates, 2013-2017

Figure B26: Food Deserts in Northern Virginia



Food deserts are defined as low-income areas more than one mile from a supermarket or large grocery store in urban areas and more than 10 miles from a supermarket or large grocery store in rural areas.

Areas shaded green are designated food deserts

Source: U.S. Department of Agriculture, website accessed 9/19

### Medically Underserved Areas and Populations

Medically Underserved Areas and Populations (MUA/Ps) are designated by the Health Resources and Services Administration (HRSA) based on an "Index of Medical Underservice." The index includes the following variables: ratio of primary medical care physicians per 1,000 population, infant mortality rate, percentage of the population with incomes below the poverty level, and percentage of the population age 65 or over.<sup>2</sup> Areas with a score of 62 or less are considered "medically underserved." Populations receiving MUP designation include groups within a geographic area with economic, cultural or linguistic barriers to health care.<sup>3</sup>

There are multiple census tracts within the region that have been designated as areas where Medically Underserved Populations are present. These areas fall primarily along the Richmond Highway corridor, Dale City, and Manassas West.

<sup>2</sup> Health Resources and Services Administration. See <http://bhw.hrsa.gov/shortage-designation/muap>

<sup>3</sup> *Ibid.*

Figure B27: Medically Underserved Areas and Populations, Northern Virginia



Source: HRSA Data Portal, 2019

## Resources

Federally Qualified Health Centers (FQHCs) are established to promote access to ambulatory care in areas designated as “medically underserved.” These clinics receive enhanced reimbursement for Medicaid and Medicare services and most also receive federal grant funds under Section 330 of the Public Health Service Act. There currently are three FQHC organizations operating multiple sites in Northern Virginia.

Figure B28: Federally Qualified Health Centers

Facility	Street Address	City	ZIP Code
Greater Prince William Area Community Health Center, Inc.	17739 Main St	Dumfries	22026
Greater Prince William Area Community Health Center, Inc.	9705 Liberia Ave	Manassas	20110
Greater Prince William Area Community Health Center, Inc.	4379 Ridgewood Center Dr Ste 102	Woodbridge	22192
HealthWorks for Northern Virginia	1850 Cameron Glen Dr Ste 117	Reston	20190
HealthWorks for Northern Virginia	163 Fort Evans Rd NE	Leesburg	20176
HealthWorks for Northern Virginia	1141 Elden St Ste 300	Herndon	20170
HealthWorks for Northern Virginia	21641 Ridgetop Cir Ste 105	Sterling	20166
HealthWorks for Northern Virginia	11484 Washington Plz W	Reston	20190
Neighborhood Health	2100 Washington Blvd	Arlington	22204
Neighborhood Health	2 E Glebe Rd	Alexandria	22305
Neighborhood Health	720 N Saint Asaph St	Alexandria	22314
Neighborhood Health	7501 Little River Tpke Ste G4	Annandale	22003
Neighborhood Health	2120 Washington Blvd	Arlington	22204
Neighborhood Health	8221 Willow Oaks Corporate Dr	Fairfax	22031
Neighborhood Health	8221 Willow Oaks Corporate Dr	Fairfax	22031
Neighborhood Health	6677 Richmond Hwy	Alexandria	22306
Neighborhood Health	2616 Sherwood Hall Ln Ste 106	Alexandria	22306
Neighborhood Health	8350 Richmond Hwy Ste 301	Alexandria	22309
Neighborhood Health	1200 N Howard St	Alexandria	22304
Neighborhood Health	8119 Holland Rd	Alexandria	22306
Neighborhood Health	2 E Glebe Rd	Alexandria	22305
Neighborhood Health	4480 King St	Alexandria	22302

In addition to the FQHCs, there are other clinics in the area that serve lower-income individuals. These include the Arlington Free Clinic (Arlington, VA), the Culmore Clinic (Falls Church, VA) and multiple sites throughout the region of the George Mason University’s Mason and Partners Clinics (MAP).

In addition to these resources, Inova operates several InovaCares Clinic sites across Northern Virginia. The Fairfax County Health Department also provides an array of services at locations throughout their jurisdiction, and the Alexandria Health Department at locations in the City of Alexandria.

Figure B29: Hospital facilities that operate in the community

Facility	Facility Type	# Beds	City	Zip
Dominion Hospital	Psychiatric	116	Falls Church	22044
Fairfax Surgical Center	Ambulatory Surgical	-	Fairfax	22030
HealthSouth Rehab Hospital of Northern Virginia	Rehabilitation	58	Aldie	20105
Inova Alexandria Hospital	Acute	318	Alexandria	22304
Inova Ambulatory Surgery Center at Lorton	Ambulatory Surgical	-	Lorton	22079
Inova Fair Oaks Hospital	Acute	182	Fairfax	22033
Inova Fairfax Medical Campus	Acute	894	Falls Church	22042
Inova Loudoun Ambulatory Surgery Center	Ambulatory Surgical	-	Leesburg	20176
Inova Loudoun Hospital	Acute	167	Leesburg	20176
Inova Mount Vernon Hospital	Acute	237	Alexandria	22306
Inova Surgery Center at Franconia-Springfield	Ambulatory Surgical	-	Alexandria	22310
Kaiser Permanente Tysons Corner Surgery Center	Ambulatory Surgical	-	McLean	22102
Lake Ridge Ambulatory Surgical Center	Ambulatory Surgical	-	Woodbridge	22192
McLean Ambulatory Surgery, LLC	Ambulatory Surgical	-	McLean	22102
North Spring Behavioral Healthcare	Psychiatric	100	Leesburg	20176
Northern Virginia Eye Surgery Center, LLC	Ambulatory Surgical	-	Fairfax	22031
Northern Virginia Surgery Center	Ambulatory Surgical	-	Fairfax	22033
Novant Health UVA Health System Haymarket Medical Center	Acute	60	Haymarket	20169
Novant Health UVA Health System Prince William Medical Center	Acute	130	Manassas	20110
Prince William Ambulatory Surgery Center	Ambulatory Surgical	-	Manassas	20110
Reston Hospital Center	Acute	187	Reston	20190
Reston Surgery Center	Ambulatory Surgical	-	Reston	20190
Sentara Northern Virginia Medical Center	Acute	183	Woodbridge	22191
Stone Springs Hospital Center	Acute	124	Dulles	20166
Virginia Hospital Center	Acute	394	Arlington	22205

**Other Community Resources:**

There is a wide range of agencies, coalitions, and organizations available in the region served by Inova Fairfax Medical Campus. 2-1-1 Virginia maintains a large database to help refer individuals in need to health and human services in the Commonwealth. This is a service of the Virginia Department of Social Services and is provided in partnership with the Council of Community Services, The Planning Council, and United Way chapters in the Commonwealth. According to 2-1-1, the following types of services and resources are available in this community:

- |   |  |
|---|--|
| Housing and utilities                   | Legal, consumer, and financial management services |
| Food, clothing, and household items     | Transportation                                     |
| Summer food programs                    | Employment and income support                      |
| Health care and disability services     | Family support and parenting                       |
| Health insurance and expense assistance | Holiday assistance                                 |
| Mental health and counseling            | Disaster services                                  |
| Substance abuse and other addictions    | Government and community services                  |
| Support groups                          | Education, recreation, and the arts                |
| Tax preparation assistance              | Donations and volunteering                         |

## Appendix C: Forces of Change Assessment (FOCA)

The Partnership for a Healthier Fairfax Steering Committee and the AHD CHA Steering Committee, which include Inova representation, discussed the following questions. Figures C1 and C2 are a summary of their responses, categorized into overarching themes.

1. Threats vs. Opportunities
  - a. Trends, i.e. patterns over time
  - b. Factors, i.e. specific things about the community
  - c. Events, i.e. policy changes or natural disasters
2. What are the most important health concerns today in the community
3. Biggest barriers to reaching optimal health
4. What particular populations subgroups that face these challenges more than others

Table C1: Partnership for a Healthier Fairfax Steering Committee FOCA Response Matrix

Forces	Threats	Opportunities
<b>Economic</b>		
Slow long-term economic growth	<ul style="list-style-type: none"> <li>• Both the county's and public schools' budgets are being impacted by concerns about state revenue and uncertainty about federal tax reform and fiscal policies</li> <li>• Potential reductions in funding for Health and Human Services, as well as infrastructure and transportation initiatives (bike trails, pedestrian walkways, and park development)</li> <li>• Wages have not kept pace with inflation</li> <li>• Overall increase in individuals living below the federal poverty level</li> </ul>	<ul style="list-style-type: none"> <li>• Recent economic trends indicate that home sales, jobs and other key economic indicators are improving</li> <li>• Development of creative non-governmental solutions</li> <li>• Collaboration across Health and Human Services for increased efficiencies and less duplication of programs and services</li> <li>• Initiative to update county policies and ordinances to promote health and increase the County's economic competitiveness</li> </ul>
High cost of housing	<ul style="list-style-type: none"> <li>• Land availability and population growth are driving housing costs</li> <li>• Nearly half of residents are housing cost-burdened, spending over thirty percent of their income on housing</li> <li>• Lack of affordable and accessible housing, including for seniors and those with long-term care needs</li> <li>• Workforce living farther from employment, increasing personal and public transportation costs</li> <li>• Rent costs are increasing and affordable rental housing units are in limited supply</li> </ul>	<ul style="list-style-type: none"> <li>• More availability of single-family attached units and multifamily units</li> <li>• Funding for affordable housing preservation</li> <li>• Workforce housing initiatives</li> <li>• Mixed-use development with mixed-income housing near jobs and services</li> </ul>

Forces	Threats	Opportunities
Rising healthcare costs	<ul style="list-style-type: none"> <li>Inadequate physician reimbursement which potentially reduces access</li> <li>Increasing insurance co-pays, deductibles and denials</li> <li>Delay in diagnoses and treatment which worsens health outcomes and escalates costs further</li> <li>Employers reducing health benefits</li> <li>Uncertain federal regulatory environment</li> </ul>	<ul style="list-style-type: none"> <li>Healthcare reform</li> <li>Employee wellness programs</li> <li>Increased attention on prevention</li> <li>Greater personal responsibility for behaviors impacting health</li> </ul>
Influence of large institutions / healthcare systems	<ul style="list-style-type: none"> <li>Loss of choice</li> <li>Increased costs</li> <li>Market forces that may affect the accessibility, quality, and/or affordability of health services</li> </ul>	<ul style="list-style-type: none"> <li>Improved economies of scale</li> <li>Potential for clinical quality improvements and better clinical outcomes</li> </ul>
<b>Environmental</b>		
Urbanization of Fairfax County	<ul style="list-style-type: none"> <li>Lack of adequate services, infrastructure, and parks to serve the growing population in certain areas of the county</li> <li>Limited government resources create reliance on the private sector to improve infrastructure and parks</li> <li>Poor air quality continues to challenge the county and region as a whole</li> <li>Highly transient community results in a lack of community connectedness</li> </ul>	<ul style="list-style-type: none"> <li>Improved access to metro and public transportation options</li> <li>Rise in mixed-use development and new residential proposals for multi-unit housing</li> <li>Development of bike trails and pedestrian walkways</li> <li>Redevelopment with enhanced connections to community resources</li> <li>Development of parks following the Park Authority Urban Parks Framework</li> <li>Synthesis of planning efforts</li> <li>Abundant employment opportunities</li> <li>Regional collaboration on major issues</li> <li>Increased preparedness for emergencies</li> </ul>
Transportation	<ul style="list-style-type: none"> <li>Traffic congestion contributes to long commute times, high stress, and lack of physical activity</li> <li>Virginia Department of Transportation (VDOT) design standards geared toward vehicular travel, which inhibit safe pedestrian and bicycle travel</li> <li>Disconnected walkways and trails limit ability to travel safely by foot or bike</li> <li>High demand for transportation options</li> <li>Inequitable burden of high transportation costs, consuming a large percent of income</li> <li>Local transportation is not straightforward with limited coordination among different systems and programs</li> </ul>	<ul style="list-style-type: none"> <li>Recognition that communities need to be more human-friendly</li> <li>Increased attention on walkable and bike-able environments, transit, and teleworking</li> <li>Development and implementation of the Bicycle Master Plan</li> <li>Partnership with VDOT for the adoption of a context-sensitive road design manual across the entire County</li> <li>Park Authority Trails Plan update with a focus on equitable access</li> <li>Creation of alternative modes of transportation</li> </ul>



Forces	Threats	Opportunities
Climate change	<ul style="list-style-type: none"> <li>• Potential increase in the number and severity of weather events</li> <li>• Potential health consequences of deteriorating environment</li> <li>• Warmer temperatures</li> <li>• Worsening air quality</li> <li>• Limited capacity and awareness about resilience and adaptation</li> <li>• Potential for social and economic disruptions</li> </ul>	<ul style="list-style-type: none"> <li>• Increased awareness of the impact of environmental changes on health</li> <li>• County and Northern Virginia Regional Commission engagement in the issue, including projects to enhance resilience</li> </ul>
Globalization	<ul style="list-style-type: none"> <li>• Inadequate regulation of the international market places the public at increased risk due to contamination of products</li> <li>• Volume of imported goods increases the likelihood of the introduction of harmful pathogens, insects, plants, and animals</li> <li>• Heightened threat for infectious diseases</li> <li>• Rapid transmission of pathogens due to increased international travel</li> </ul>	<ul style="list-style-type: none"> <li>• Enhanced access to products and goods from across the world</li> <li>• Increased community awareness and education of potential threats</li> <li>• Regional and national engagement to address potential threats</li> <li>• Enhanced capacity for disease surveillance and preparedness</li> </ul>
Green buildings	<ul style="list-style-type: none"> <li>• Initial development costs are high and borne by the developer, while long-term cost savings and benefits are realized by the occupant or owner</li> <li>• Lack of focus on public, exterior spaces</li> </ul>	<ul style="list-style-type: none"> <li>• Healthcare facilities that model healthy environmental practices</li> <li>• Potential increase in jobs and change in consumer behaviors</li> <li>• Healthy buildings and public spaces</li> <li>• Increased public awareness through design awards, marketing, and county reports</li> </ul>
<b>Legal/Political</b>		
Affordable Care Act (ACA)	<ul style="list-style-type: none"> <li>• Efforts to repeal and replace the ACA, including repeal of the law's individual mandate, has created instability in the insurance marketplace</li> <li>• Loss of Medicaid and other coverage will lead to an increase in the number of uninsured individuals in Fairfax</li> <li>• Regulations related to healthy eating, environment, and other prevention-related issues are being eliminated, delayed, or not enforced</li> <li>• Coverage gaps still exist between Medicaid and private health insurance</li> </ul>	<ul style="list-style-type: none"> <li>• Potential for state Medicaid expansion</li> <li>• Increased public health focus on prevention and wellness rather than delivery of clinical care</li> <li>• Less need for state and local tax support for health care safety net</li> </ul>

Forces	Threats	Opportunities
Dietary Guidelines	<ul style="list-style-type: none"> <li>Higher costs due to revised nutrition standards</li> <li>Rising demand for special dietary requirements</li> </ul>	<ul style="list-style-type: none"> <li>Accessibility of nutrition information and education</li> <li>Improved availability of healthier meals and modified menu options</li> <li>Integration of gardens into institutional, home, and community settings</li> <li>Enhanced access to healthy foods</li> </ul>
<b>Social</b>		
Diverse community	<ul style="list-style-type: none"> <li>Overall population is growing and becoming increasingly diverse</li> <li>Costs of ensuring culturally competent care delivery</li> <li>Challenges with communicating public health messaging and education in a culturally competent manner</li> </ul>	<ul style="list-style-type: none"> <li>Diversification of the workforce</li> <li>Cultural competency training for workforce</li> <li>More multi-generational family ties</li> <li>Faith Communities in Action working together to address issues</li> <li>Greater focus on community engagement</li> <li>Partnerships to identify ethnic communities and provide them with more integrated transportation systems and support services</li> </ul>
Large immigrant population	<ul style="list-style-type: none"> <li>Growing number of individuals with limited English proficiency who are linguistically isolated</li> <li>Stress on Health and Human Services and public safety</li> <li>Fear of accepting public assistance due to tougher stance on immigration</li> <li>Undocumented residents do not qualify for many public health services</li> </ul>	<ul style="list-style-type: none"> <li>Resource that can help meet the needs of the increasingly diverse community</li> <li>Adds balance to the aging of the workforce and native-born population</li> <li>Economic and workforce capacity</li> </ul>
Growing population of older adults and individuals with disabilities	<ul style="list-style-type: none"> <li>Growing proportion of the population comprising adults age 65 or older</li> <li>Increased demand for infrastructure and supportive home and community-based services</li> <li>Greater demand for long-term care services for older adults and individuals with disabilities</li> <li>Increasing costs of services</li> <li>Caregiver fatigue</li> <li>Universal Design features for improved accessibility are challenging to proffer and inspect</li> <li>Increased demand on the Community Services Board to extend service delivery to clients with developmental disabilities</li> </ul>	<ul style="list-style-type: none"> <li>Increased pool of retired talent and resources</li> <li>More alternatives for home and community-based supports for older adults and individuals with disabilities</li> <li>Increasing number of programs and service models for long-term care</li> <li>Caregiver support programs</li> <li>Incentives for the creation of independent living facilities</li> <li>Implementation of Universal Design for improved accessibility, including building code updates and proffer enforcement</li> <li>50+ Plan identifies strategies to meet the needs of the growing senior population</li> </ul>

Forces	Threats	Opportunities
Homeless individuals, families and children	<ul style="list-style-type: none"> <li>African-Americans and older adults disproportionately experience homelessness</li> <li>Remaining homeless population is difficult to reach and serve</li> <li>Social, mental health and overall health effects on families and children experiencing homelessness</li> <li>Disconnected youth</li> </ul>	<ul style="list-style-type: none"> <li>Increased public-private efforts to prevent and end homelessness have resulted in a reduction in the overall number of homeless persons</li> <li>Interventions to locate and serve homeless individuals</li> </ul>
Large veteran population	<ul style="list-style-type: none"> <li>Need for more psychosocial and therapeutic supports, adaptive recreation, housing and workforce preparation</li> <li>Potential increase in homelessness, domestic violence, and mental health issues</li> <li>Increased strain on health and human services</li> </ul>	<ul style="list-style-type: none"> <li>Greater collaboration between military and civilian community support networks</li> <li>Retired military personnel as potential employee and volunteer resources</li> <li>Veteran employment initiatives</li> </ul>
Abuse, neglect, exploitation and violence	<ul style="list-style-type: none"> <li>Increased demand for resources, support services, and mental health services</li> <li>Increased emergency department usage</li> <li>Erosion of community safety and neighborhood environments</li> <li>Vulnerability of at-risk groups</li> <li>Domestic violence services are in demand and there is a shortage of emergency beds for victims</li> </ul>	<ul style="list-style-type: none"> <li>Evaluate laws and their efficacy</li> <li>Strengthen enforcement</li> <li>Expansion of prevention programs to build personal, family and community resilience</li> <li>Reducing domestic violence increases positive outcomes for children</li> </ul>
<b>Medical</b>		
Increase in obesity and chronic disease	<ul style="list-style-type: none"> <li>Negative impact on health and quality of life</li> <li>Increased burden for healthcare and employer costs</li> </ul>	<ul style="list-style-type: none"> <li>Greater attention to policy, system, and environmental changes that can impact health outcomes</li> <li>Prevalent education on health promoting behaviors</li> <li>Update to county land use policies to facilitate the creation of a healthy built environment</li> </ul>
Food and environmental allergies	<ul style="list-style-type: none"> <li>Impact on businesses, schools, child care providers, and community organizations to adjust practices</li> <li>Increased medical costs</li> <li>High incidence of asthma</li> </ul>	<ul style="list-style-type: none"> <li>Greater understanding of allergies and potential consequences</li> <li>Exploration of causal factors, such as air pollution, and mitigation</li> <li>Increased access to healthy outdoor environments</li> <li>Earlier intervention for asthma patients</li> </ul>
Integration of behavioral and primary healthcare	<ul style="list-style-type: none"> <li>Increased costs</li> <li>Coordination between independent systems</li> <li>Patient resistance to behavioral and primary care interface due to the stigma associated with mental health conditions</li> </ul>	<ul style="list-style-type: none"> <li>Prevention and more effective treatment of major illnesses, chronic disease and comorbid conditions</li> <li>Additional supports for recovery and independent community living</li> </ul>

Forces	Threats	Opportunities
Opioid epidemic	<ul style="list-style-type: none"> <li>Increased number of deaths due to opioid overdose</li> <li>Challenges accessing outpatient and residential treatment services</li> <li>Failure to recognize and address root causes of opioid abuse</li> </ul>	<ul style="list-style-type: none"> <li>Public attention and political will to dedicate resources to address the issue</li> <li>Increased availability of drugs to counter overdoses</li> <li>Enhanced training of first-responders and hospital staff</li> </ul>
Suicide	<ul style="list-style-type: none"> <li>High levels of depressive symptoms and suicide ideation among youth</li> <li>Challenges accessing outpatient and residential treatment services</li> </ul>	<ul style="list-style-type: none"> <li>Suicide prevention plan</li> <li>Collaborative cross-system efforts to reduce suicide</li> <li>Exploration of community and environmental interventions</li> </ul>
Imbalance of supply and demand of the healthcare workforce	<ul style="list-style-type: none"> <li>Greater emphasis on specialty care instead of primary care</li> <li>Increased cost of care</li> <li>Shortage of behavioral healthcare providers</li> </ul>	<ul style="list-style-type: none"> <li>Partnership between universities and healthcare systems</li> <li>Workforce Investment Board initiatives</li> <li>Increased focus on interdisciplinary training and changes in professional licensing to expand competencies to help address the imbalance</li> </ul>
<b>Technological/Scientific</b>		
Evolving communication platforms	<ul style="list-style-type: none"> <li>Increased demand for information</li> <li>Readily available misinformation</li> <li>Compatibility and interoperability with existing technology</li> <li>Information security and privacy</li> </ul>	<ul style="list-style-type: none"> <li>New technologies can be leveraged to convey important public health messages</li> <li>Increased access to information, utilization of services, and compliance with medical care</li> <li>Electronic medical records and telemedicine provides increased access to health information</li> </ul>
One Fairfax	<ul style="list-style-type: none"> <li>Income inequality has grown over time</li> <li>Disparities exist in wages and employment</li> <li>Inequities that contribute to disparities in outcomes by race, gender, and socioeconomic status</li> </ul>	<ul style="list-style-type: none"> <li>Adoption of a social and racial equity policy that commits the county and schools to consider equity when making decisions or developing or delivering programs or services</li> <li>Systemic approach to address root causes of inequities through collaboration</li> <li>Community involvement and leveraging of resources to address socioeconomic disparities</li> </ul>
Diversion First	<ul style="list-style-type: none"> <li>Jails had become the default institution to handle behavioral health problems</li> <li>Public safety personnel were not trained on alternative interventions and resources</li> </ul>	<ul style="list-style-type: none"> <li>Alternatives to incarceration for people with mental illness or developmental disabilities who commit low level offenses</li> <li>Offenders can be linked with assessment, treatment, and needed supports</li> <li>Decreased recidivism and costs for county</li> <li>Better outcomes for people with behavioral health disorders</li> <li>Training for first responders on resources and appropriate response for these individuals</li> </ul>

Table C2: AHD CHA Steering Committee FOCA Response Matrix

Category	Event/Factor/Trend	Threat	Opportunity
Access to care	Medicaid expansion	Strained provider capacity to serve more recipients; woodwork effect	Increased access to care for those previously without insurance
	Expansion of Kaiser and Virginia Hospital clinics in Alexandria		Increased access to care
	2018 General Elections	Federal healthcare policies	Federal healthcare policies
	Research breakthroughs		Advances in medical treatment
	Need for behavioral health services	Limited provider capacity; need detox facilities with appropriate facilities	
	Medication costs	Increased costs to patients	
	Cost of care	People may not seek preventive care because they don't know about resources.	
	Cultural sensitivity		Can enhance quality of care
Policy and leadership	Expiration of Temporary Protected Status	Family disruption; deportation; loss of access to services	
	2018 City Council Elections	Loss of institutional knowledge; officials may not be familiar with social determinants	New ideas and perspectives on council; opportunity for education on health
	Mistrust in public officials	Creates barriers to public engagement	
	Increases in middle school gang recruitment	Increases in violence, drug abuse/trafficking	
	Health Department staff turnover	Loss of institutional knowledge	Opportunity for new perspectives
	Low participation in the public process (eg. City Council meeting attendance)	Policies don't always reflect community	

Category	Event/Factor/Trend	Threat	Opportunity
Changing demographics	Increasing population density	Lower rates of affordable housing	Enhanced diversity and creation of urban environment
	Longer life span	Managing more chronic health conditions	Implementation of age-friendly Alexandria plan
	Increasing immigrant population	Lack of health insurance	Enhanced diversity
Culture and values	Religious beliefs		Can place a high value on health
	Stigma around mental health	May prevent residents from seeking treatment	
	Increased adult interest in nutrition classes		More confidence to cook at home and make healthier food choices
	Strong community ties		Social support for resilience; generous community members
	Ageism	Barrier to achieving health	
	Culture of health		Defining what is important to different communities
Built environment	Redevelopment of Lake Cook and Patrick Henry Rec. Center		Enhanced access to green and play space
	Expanded community gardens by Cora Kelly		Enhanced access to fresh produce
	Flooding	Raw sewage in river	
	Access to public transit	Expected disruptions due to metro maintenance	New metro station at Potomac Yard
	Pedestrian safety		Encourages multimodal transportation
	Lack of affordable housing	Increased economic strain; homelessness; overcrowding; poor quality housing	
Economic conditions	High cost of living	May price out residents; homelessness, and food insecurity issues	
	Non-government industry growth in Alexandria		Diversified economic growth, jobs
	Amazon headquarters in National Landing	Strain on housing stock	Economic growth, jobs
	Growing economic disparities	Increasing equity issues	
	New technology	Increasing social isolation; not everyone has access	Self-driving vehicles; opportunities to build community

## Appendix D: Community Themes and Strength Assessment (CTSA)

Data for the Community Themes and Strengths Assessment (CTSA) were collected through a survey (Figure D1) that asked participants details about themselves, such as gender, race, income and zip code, and their opinion about three main questions:

- What are the greatest strengths of our community?
- What are the most important health issues for our community?
- What would most improve the quality of life for our community?

Survey participants could select up to three choices for each question and leave open feedback in a freeform field. The survey was made available online and in paper format, and was in the field from September to October 31, 2018. Surveys were available in Arabic, Amharic, Chinese (Mandarin), English, Farsi, Korean, Spanish, Urdu and Vietnamese. This survey utilized a convenience sampling method; therefore, results from this survey are not generalizable to the entire community.

Themes were identified in the survey in two ways. First, the overall results were considered, and a survey response is considered a theme if it is in the top 5 of all responses (as shown in the CHNA Report). Second, the results were analyzed by respondent demographics in order to identify disparities and different perspectives. In this case, a survey response was considered a theme if it fell in the top five for that group and also had more than a 3 point difference in rank compared to the overall responses.

Figure D1: CTSA Survey

**Survey Introduction:**

Inova is conducting a short, anonymous survey to learn about what is important to people in our community. The results will be used to inform ongoing efforts to make our area a healthier community. We also ask a few questions about you so we can understand more about who took this survey. If you need more information, please visit [www.inova.org](http://www.inova.org). Thank you for participating in this anonymous survey.

**1. In your opinion, what are the greatest strengths of our community?**

Please select up to THREE (3) boxes below:

- Opportunities to be involved in the community
  - Diversity of the community (social, cultural, faith, economic)
  - Access to healthy food (fresh fruits and vegetables)
  - Housing that is affordable
  - Services that support basic needs (food, clothing, temporary cash assistance)
  - Access to health care
  - Educational opportunities (schools, libraries, vocational programs, universities)
  - A good place for children
  - A good place for older adults
  - Jobs and a healthy economy
  - Transportation options
  - Mental health and substance abuse services
  - Police, fire and rescue services
  - Safe place to live
  - Parks and recreation
  - Walk-able, bike-able community
  - Clean and healthy environment
  - Arts and cultural events
  - Other (please specify):
- 

**2. In your opinion, what are the most important health issues for our community?**

Please select up to THREE (3) boxes below:

- Dental problems
  - Teen pregnancy
  - Maternal, infant and child health
  - Violence and abuse
  - Preventable injuries (car or bicycle crashes, falls)
  - Aging-related health concerns
  - Tobacco use (cigarettes, vaping, e-cigarettes, snuff, chewing tobacco)
  - Alcohol, drug, and/or opiate abuse
  - Mental health problems (depression, anxiety, stress, suicide)
  - Obesity
  - Other chronic health conditions (asthma, cancers, diabetes, heart disease, stroke)
  - Illnesses spread by insects and/or animals (Lyme disease, Zika, rabies)
  - Sexually transmitted diseases
  - HIV
  - Other illnesses that spread from person to person (flu, TB)
  - Vaccine preventable diseases (whooping cough, measles, tetanus)
  - Food safety
  - Intellectual disabilities (autism, developmental disabilities)
  - Sensory disabilities (hearing, vision)
  - Physical disabilities
  - Differences in health outcomes for different groups of people
  - Other (please specify):
-



### 3. In your opinion, what would most improve the quality of life for our community?

Please select up to **THREE (3)** boxes below:

- |  |  |
|--|--|
| <input type="checkbox"/> Opportunities to be involved in the community                                     | <input type="checkbox"/> Jobs and a healthier economy  |
| <input type="checkbox"/> Welcoming of diversity (social, cultural, faith, economic)                        | <input type="checkbox"/> Transportation options  |
| <input type="checkbox"/> Access to healthy food (fresh fruits and vegetables)                              | <input type="checkbox"/> Mental health and substance abuse services                              |
| <input type="checkbox"/> Housing that is affordable  | <input type="checkbox"/> Public safety and health (law enforcement, fire, EMS and public health) |
| <input type="checkbox"/> Services that support basic needs (food, clothing, temporary cash assistance)     | <input type="checkbox"/> Access to parks and recreation  |
| <input type="checkbox"/> Access to health care   | <input type="checkbox"/> A walk-able, bike-able community  |
| <input type="checkbox"/> Educational opportunities (schools, libraries, vocational programs, universities) | <input type="checkbox"/> Clean and healthy environment   |
|  | <input type="checkbox"/> Arts and cultural events  |
|  | <input type="checkbox"/> Working to end homelessness   |
|  | <input type="checkbox"/> Other (please specify): _____   |

Please answer the following questions about yourself. We ask these questions to better understand your answers.

**D1. Your HOME ZIP CODE:** \_\_\_\_\_

**D2. Your AGE** Mark (X) only ONE (1) box:

- Under 18 years
- 18 - 24 years
- 25 - 29 years
- 30 - 39 years
- 40 - 49 years
- 50 - 64 years
- 65 - 79 years
- 80+ years

**D3. Your HIGHEST LEVEL OF EDUCATION**

Mark (X) only ONE (1) box:

- Less than high school diploma
- High school diploma / GED
- Some college
- Associates / Technical degree
- Bachelor's degree
- Graduate degree or higher

**D4. ARE YOU HISPANIC OR LATINO?**

Mark (X) only ONE (1) box:

- Yes
- No

**D5. Your RACE** - Which one or more of the following race categories do you identify with?

Select ALL THAT APPLY:

- American Indian or Alaska Native
- Asian
- Black or African American

- Native Hawaiian or Other Pacific Islander
- White or Caucasian

**D6. Do you live in a home with HOUSEHOLD MEMBERS THAT ARE YOUNGER THAN 18**

**YEARS OLD?** Mark (X) only ONE (1) box:

- Yes
- No

**D7. Where do you USUALLY GO FOR**

**HEALTHCARE?** Mark (X) only ONE (1) box:

- Hospital / emergency room
- Private doctor's office / HMO
- Urgent care center
- Free or reduced-fee clinic
- I don't get healthcare

**D8. Your ASSIGNED SEX AT BIRTH**

Mark (X) only ONE (1) box:

- Female
- Male

**D9. Your ANNUAL HOUSEHOLD INCOME**

Mark (X) only ONE (1) box:

- Less than \$10,000
- \$10,000 - \$49,999
- \$50,000 - \$99,999
- \$100,000 - \$149,999
- \$150,000+



<https://www.surveymonkey.com/r/LiveHealthyNOVA>

Figure D2: Characteristics of Survey Respondents

	Number of Respondents	Percent of Respondents*
<b>Total Responses</b>	<b>1,527</b>	<b>100%</b>
<b>Ethnicity</b>		
Hispanic/Latino	188	12%
Not Hispanic/Latino	1,293	85%
No response	46	3%
<b>Race</b>		
White	895	59%
Black or African American	356	23%
Asian	79	5%
Two or more races	40	3%
American Indian/Alaskan Native	14	1%
Native Hawaiian or Other Pacific Islander	0	0%
No response	143	9%
<b>Language</b>		
English	1,412	92%
Spanish	84	5%
Arabic	13	1%
Amharic	9	1%
Farsi	3	<1%
Korean	1	<1%
Urdu	0	<1%
Vietnamese	0	<1%
Chinese (Mandarin)	5	<1%
<b>Lives with child (&lt;18 years)</b>		
Yes	475	31%
No	1,026	67%
No response	26	2%
<b>Sex</b>		
Male	419	28%
Female	1,075	70%
No response	33	2%
<b>Annual Household Income</b>		
Less than \$10,000	140	9%
\$10,000 to \$49,999	286	19%
\$50,000 to \$99,999	400	26%
\$100,000 to \$149,000	281	18%
Greater than \$150,000	345	23%
No response	75	5%
<b>Age Category</b>		
Less than 18 years	28	2%
18-24 years	59	4%
25-29 years	119	8%
30-39 years	351	23%
40-49 years	236	15%
50-64 years	366	24%
65-79 years	303	20%
80+ years	57	4%
No response	8	<1%

<b>Education</b>		
Less than High School Diploma	90	6%
High School Diploma or GED	147	10%
Some College	189	12%
Associates or Technical Degree	76	5%
Bachelor's Degree	410	27%
Graduate Degree or Higher	596	39%
No response	19	1%
<b>Regular Source of Healthcare</b>		
Private Doctor's Office or HMO	1,145	75%
Urgent Care	126	8%
Hospital or Emergency Room	102	7%
Free or Reduced Fee Clinic	68	4%
I don't get healthcare	59	4%
No response	27	2%

\* May sum to greater than 100% due to rounding

### Top 5 Answers to “What are the top health issues facing our community?” by Select Demographic Groups

Figure D3: Low income Respondents (Household Income <\$50,000/year)

Rank	Response	Number of People Who Selected Response
1	Mental health problems (depression, anxiety, stress, suicide)	126
2	Dental problems	120
3	Alcohol, drug, and/or opiate abuse	107
4	Aging-related health concerns	107
5	Violence and abuse	105

Figure D4: Respondents with Less than a High School Diploma or GED (25+ years of age)

Rank	Response	Number of People Who Selected Response
1	Dental problems	22
2	Mental health problems (depression, anxiety, stress, suicide)	16
3	Maternal, infant and child health	13
4	Aging-related health concerns	12
5	Other chronic health conditions (asthma, cancers, diabetes, heart disease, stroke)	12

Figure D5: Younger Respondents (&lt;25 years of age)

Rank	Response	Number of People Who Selected Response
1	Alcohol, drug, and/or opiate abuse	34
2	Mental health problems (depression, anxiety, stress, suicide)	32
3	Violence and abuse	28
4	Teen pregnancy	23
5	Tobacco use (cigarettes, vaping, e-cigarettes, snuff, chewing tobacco)	22

Figure D6: Older Respondents (50 years of age or older)

Rank	Response	Number of People Who Selected Response
1	Mental health problems (depression, anxiety, stress, suicide)	261
2	Aging-related health concerns	236
3	Differences in health outcomes for different groups of people	213
4	Alcohol, drug, and/or opiate abuse	175
5	Obesity	155

Figure D7: Spanish Speaking Respondents (Survey Language in Spanish)

Rank	Response	Number of People Who Selected Response
1	Dental problems	33
2	Alcohol, drug, and/or opiate abuse	24
3	Violence and abuse	21
4	Teen Pregnancy	21
5	Mental health problems (depression, anxiety, stress, suicide)	19

Figure D8: Survey Completed in a Language other than English or Spanish

Rank	Response	Number of People Who Selected Response
1	Alcohol, drug, and/or opiate abuse Aging-related health concerns	12
2	Tobacco use (cigarettes, vaping, e-cigarettes, snuff, chewing tobacco)	9
3	Other illnesses that spread from person to person (flu, TB)	9
4	Dental problems	8
5	Obesity	7

Figure D9: Respondents of Color (All respondents except white, non-Hispanic or without race/ethnicity info)

Rank	Response	Number of People Who Selected Response
1	Mental health problems (depression, anxiety, stress, suicide)	215
2	Alcohol, drug, and/or opiate abuse	172
3	Violence and abuse	157
4	Dental problems	147
5	Aging-related health concerns	147

Figure D10: Respondents of Hispanic or Latino Ethnicity (regardless of race)

Rank	Response	Number of People Who Selected Response
1	Alcohol, drug, and/or opiate abuse	60
2	Mental health problems (depression, anxiety, stress, suicide)	56
3	Dental problems	51
4	Violence and abuse	51
5	Teen Pregnancy	42

Figure D11: Female Respondents

Rank	Response	Number of People Who Selected Response
1	Mental health problems (depression, anxiety, stress, suicide)	443
2	Differences in health outcomes for different groups of people	344
3	Alcohol, drug, and/or opiate abuse	278
4	Aging-related health concerns	248
5	Violence and abuse	213

## Appendix E: Community Health Status Assessment (CHSA)

The health indicators that comprised the Community Health Status Assessment (CHSA) were selected based on best practices, availability, and local health department knowledge of emerging health issues. The data include rates and percentages of mortality, morbidity, and incidence and prevalence (death, chronic illness, and new and existing disease). Data were compiled from published secondary sources and surveys in November 2018. County-level data, as well as breakdowns by population characteristics, was not consistently available, which means the amount of information within certain health topics may be limited. Specific indicators were selected and compiled to support a broad picture of health in the IMVH Community, and may not encompass all data in existence.

Figure E1 lists the data sources for Figure E2, provides an overview of much but not all of the data considered. Please contact Inova for more information.

Figure E1: CHSA Data Sources

Data Source	Abbreviation
Public Schools Annual BMI Report	BMI
American Community Survey, 5 year, Census	ACS
U.S. Bureau of Labor Statistics	BLS
County Health Rankings	CHR
Centers for Medicare and Medicaid Services	CMS
Dartmouth Atlas of Healthcare	DAH
Feeding America	FA
National Center for Education Statistics	NCES
Small Area Health Estimates, Census	SAHE
National Cancer Institute, State Cancer Profiles	SEER
Virginia Behavioral Risk Factor Surveillance System	VA BRFSS
Virginia Department for Aging and Rehabilitative Services	VA DARS
Virginia Department of Education	VDE
Virginia Department of Health	VDH
Virginia Health Information	VHI
Virginia Online Injury Reporting System	VOIRS

Figure E2: CHSA Data

Category	Data Point	Value			Unit of Measure	Year of Data	Data Source
		Alexandria City	Fairfax County	Virginia			
Chronic Conditions	Medicare beneficiaries with Alzheimer's Disease or Dementia	11.30	10.0	10.0	%	2016	VA DARS
	Age adjusted COPD hospitalization	10.10	6.3	16.9	per 10,000	2014-2016	VHI
	Age adjusted adult asthma hospitalization	7.90	4.1	6.6	per 10,000	2014-2016	VHI
	Age-adjusted hospitalization due to pediatric asthma	2.50	2.9	6.6	per 10,000	2014-2016	VHI
	All Cancer Deaths (age adjusted)	130.80	120.4	163.8	per 100,000	2011-2015	SEER
	All cancer incidence	351.60	352.8	414.3	per 100,000	2011-2015	SEER
	Age-adjusted death rate due to heart disease	110.70	87.9	147.0	per 100,000	2016	VDH
	Age-adjusted death rate due to stroke	31.50	25.4	37.2	per 100,000	2016	VDH
	Age-adjusted hospitalization rate due to heart failure	21.50	17.0	33.7	per 10,000	2014-2016	VHI
	Age-adjusted hospitalization rate due to hypertension	4.30	2.4	4.1	per 10,000	2014-2016	VHI
	Age-adjusted hospitalization due to diabetes	12.90	7.6	17.1	per 10,000	2014-2016	VHI
	Age-adjusted death rate due to diabetes	16.00	11.5	21.3	per 100,000	2016	VDH
	Persons with a disability	6.90	6.8	11.3	%	2016	ACS
	Persons with a disability who live in poverty (18-64)	21.50	14.4	23.8	%	2016	ACS
Economic Stability	Students Eligible for the Free Lunch Program	37.30	21.2	35.0	%	2015-2016	NCES
	Food insecurity rate	10.00	5.0	10.6	%	2016	FA
	Child food insecurity rate	11.00	8.7	13.3	%	2016	FA
	Income inequality	4.10	3.8	4.8	ratio 80%:20% income brackets	2017	CHR
	Median Household Income	89,200	114,329.0	66,149.0	US\$	2016	ACS
	Children living below poverty level	15.20	7.5	15.1	%	2016	ACS
	People 65+ living below poverty level	8.90	5.3	7.6	%	2016	ACS
	People living below poverty level	9.80	6.0	11.4	%	2016	ACS
	Social and Economic Factors Ranking	24.00	5.0	--	of 133 counties	2018	CHR
	Annual unemployment rate	2.90	3.0	3.8	%	2017	BLS
Education	Proportion of students receiving advanced studies diploma	33.00	61.5	52.0	%	2018	VDE
	Enrolled in any post-secondary	70.00	83.0	71.0	%	2016	VDE
	4-year graduation rate	83.10	91.4	91.2	%	2017	VDE
	People 25+ with a Bachelor's degree or higher	62.10	60.3	36.9	%	2016	ACS

Category	Data Point	Value			Unit of Measure	Year of Data	Data Source
		Alexandria City	Fairfax County	Virginia			
Healthcare Access	Below 138% FPL uninsured	33.30	28.5	22.1	%	2017	ACS
	Adults with health insurance, small area estimates	87.10	88.8	88.2	%	2016	SAHE
	Children with health insurance, small area estimates	93.30	95.3	95.1	%	2016	SAHE
	Clinical Care Ranking	73	15.0	--	of 133 counties	2018	CHR
	Preventable Hospital Stays - Medicare Population	40.90	29.8	42.8	discharges per 1,000 enrollees	2015	DAH
	Mammogram in past 2 years 40+	69.00	81.6	77.7	%	2012	VA BRFSS
	PAP test in past three years 18+	76.00	85.6	81.5	%	2012	VA BRFSS
	Colon Cancer Screening: Sigmoidoscopy or colonoscopy	68.00	69.9	69.5	%	2012	VA BRFSS
	Has not had to skip doctor because of cost	86.30	88.3	86.9	%	2014	VA BRFSS
Health Related Quality of Life and Well-being	Frequent Physical Distress	9.60	8.2	10.7	%	2016	CHR
	All Causes Mortality	4.30	4.4	7.9	per 1,000 population	2016	VDH
	Poor or Fair Health Age Adjusted	13.00	10.0	17.0	%	2016	CHR
	Health Behaviors Ranking	9	1.0	--	of 133 counties	2018	CHR
	Morbidity Ranking (Quality of Life)	18	7.0	--	of 133 counties	2018	CHR
	Mortality Ranking (Length of Life)	8	3.0	--	of 133 counties	2018	CHR
	Premature Death (YPLL Rate)	4,198	3,290.0	6,122.0	years of potential life lost	2014-2016	CHR
	Social associations	22.90	8.4	11.2	associations per 10,000 people	2016	CHR
Immunizations and Infectious Disease	Lyme's disease incidence	14.10	15.1	19.7	per 100,000	2017	VDH
	Tuberculosis incidence	6.40	6.3	2.4	per 100,000	2017	VDH
	Varicella (Chickenpox) incidence	8.30	5.9	4.0	per 100,000	2017	VDH
	Hepatitis B, chronic	71.90	70.9	27.5	per 100,000	2017	VDH
	Adults 65+ with pneumo vaccination	60.30	76.2	69.2	%	2005-2010	VA BRFSS
	Hepatitis C, chronic	101.40	75.9	136.4	per 100,000	2017	VDH
Maternal, Infant, and Child Health	Teen birth rate 15-17	8.80	3.3	6.2	per 1,000 births	2016	VDH
	Teen birth rate <19	9.90	4.1	7.9	per 1,000 births	2016	VDH
	Infants born preterm	7.50	8.6	9.5	%	2016	VDH
	Infant mortality rate	1.40	4.0	5.8	per 1,000 births	2016	VDH
	Babies with low birth weight	6.80	7.1	8.1	%	2016	VDH
	Mothers who received early prenatal care	70.30	80.3	82.9	%	2013	VDH



Category	Data Point	Value			Unit of Measure	Year of Data	Data Source
		Alexandria City	Fairfax County	Virginia			
Mental Health	Mental health provider rate	279.00	146.0	146.0	per 100,000	2017	CHR
	Adults ever diagnosed with a depressive disorder	13.10	11.8	17.4	%	2014	VA BRFSS
	Age-adjusted death rate due to suicide	10.60	8.3	12.8	per 100,000	2016	VOIRS
	Frequent mental distress	10.20	9.2	11.0	%	2016	CHR
	Depression: Medicare population	13.10	10.9	16.1	%	2016	CMS
	Poor mental health: 5+ days (Alex is 2014)	20.80	14.9	17.8	%	2015	VA BRFSS
Neighborhood and Built Environment	Renters spending 30% or more of household income on rent	43.80	43.2	49.5	%	2016	ACS
	Severe housing problems (overcrowding, high cost, lack of kitchen or plumbing)	15.50	14.0	15.4	%	2010-2014	CHR
	Food Environment Index	8.70	9.6	8.2	0-10 (10 best)	2017	CHR
	Mean travel time to work	31.10	32.0	28.1	minutes	2016	ACS
	Workers commuting by public transportation	22.20	9.6	4.5	%	2016	ACS
	Workers who walk to work	3.50	1.8	2.4	%	2016	ACS
	Residential segregation non-white/white index	35.00	27.0	41.0	0-100 (0=full integration)	2012-2016	CHR
Residential segregation black/white index	39.00	40.0	50.0	0-100 (0=full integration)	2012-2016	CHR	
Obesity, Nutrition, and Physical Activity	Access to exercise opportunities	100.00	100.0	83.0	%	2018	CHR
	Kindergarteners who are obese	18.30	14.4	--	%	2016	BMI
	Adults who are sedentary	16.00	17.0	22.0	%	2014	CHR
	Adults engaging in physical activity in past month	86.90	81.2	76.5	%	2014	VA BRFSS
	Adults who are overweight or obese	59.00	53.5	64.7	%	2012	VA BRFSS
Oral Health	Dentist rate	82.00	104.0	68.0	per 100,000	2017	CHR
	Visited dentist in past year	64.00	78.3	68.9	%	2013-2014	VA BRFSS
	Age adjusted teeth loss	9.20	--	--	%	2016	500 Cities
	Permanent Teeth Removed	--	26.7	40.8	%	2014	VA BRFSS
Sexual and Reproductive Health	Teen pregnancy rate (15-17)	12.90	4.1	8.7	per 1,000 females 15-17	2016	VDH
	HIV Incidence	19.30	7.4	10.5	per 100,000	2017	VDH
	Gonorrhea incidence rate	127.00	46.5	131.8	per 100,000	2016	VDH
	Chlamydia incidence rate	438.40	259.0	471.6	per 100,000	2016	VDH
	HIV Prevalence	766.00	230.4	286.7	per 100,000	2017	VDH

Category	Data Point	Value			Unit of Measure	Year of Data	Data Source
		Alexandria City	Fairfax County	Virginia			
<b>Tobacco and Substance Use</b>	Adult Smoking	14.00	10.0	15.3	%	2016	CHR
	Adults who drink excessively	20.50	17.0	17.4	%	2016	CHR
	ED rate - heroin OD	9.60	8.3	17.8	per 100,000	2017	VDH
	ED rate - prescription opioid OD	75.10	65.6	102.6	per 100,000	2017	VDH
	Mortality rate - heroin/fentanyl OD	4.50	7.7	11.0	per 100,000	2017	VDH
	Mortality rate - prescription opioid OD	3.90	4.5	5.9	per 100,000	2017	VDH
<b>Violence and Injury</b>	All-cause injury or violent hospitalizations	261.90	277.4	436.4	per 100,000	2016	VOIRS
	Hospitalizations related to unintentional fall	161.10	169.8	212.3	per 100,000	2016	VOIRS
	All-cause injury or violent death	41.70	33.4	61.3	per 100,000	2016	VOIRS
	Firearm deaths	5.80	3.7	12.2	per 100,000	2016	VOIRS
	Motor vehicle deaths	3.20	3.7	8.7	per 100,000	2016	VOIRS
	Violent crime rate	176.00	89.4	194.2	per 100,000	2012-2014	CHR

## Youth Risk Behavioral Survey

Fairfax County surveyed youth in public schools. The surveys asked questions similar to those raised by the CDC's Youth Risk Behavior Surveillance System (YRBSS).

Figure E3: 2017 YRBS Results

Measure	Northern Virginia Targeted Population		Comparison Population	
	Alexandria City	Fairfax County	Virginia	United States
<b>Unintentional Injuries and Violence</b>				
Rode with a driver who had been drinking alcohol	19.5	-	14.2	16.5
Drove when they had been drinking alcohol	-	6.3	5.6	5.5
Texted or e-mailed while driving a car or other vehicle	29.1	35.4	-	39.2
Carried a weapon	8.1	8.7	-	15.7
Were in a physical fight	15.7	-	19.8	23.6
Were electronically bullied	8.9	11.3	12.6	14.9
Were bullied on school property	12.0	12.6	15.7	19.0
Felt sad or hopeless almost everyday for 2 weeks or more during last 12 months	29.4	25.9	29.5	31.5
Seriously considered attempting suicide in last 12 months	12.5	13.7	15.7	17.2
Made a plan about how they would attempt suicide during last 12 months	10.6	-	12.6	13.6
Attempted suicide during last 12 months	6.9	5.4	7.2	7.4
<b>Tobacco Use</b>				
Ever tried cigarette smoking	18.4	11.3	-	28.9
Had their first cigarette smoking before age 13	-	4.0	8.0	9.5
Currently smoked cigarettes	3.9	2.6	6.5	8.8
Did not try to quit smoking cigarettes	67.9	-	65.8	58.6
Currently used electronic vapor product	7.5	4.0	11.8	13.2
<b>Alcohol and Other Drug Use</b>				
Ever drank alcohol	-	34.5	-	60.4
Had their first drink of alcohol before age 13	-	9.0	14.7	15.5
Currently drank alcohol	23.2	15.2	24.5	29.8
Ever used marijuana	29.6	17.4	-	35.6
Tried marijuana for the first time before age 13	-	1.7	5.5	6.8
Currently used marijuana	15.9	8.9	16.5	19.8
Ever took prescription pain medicine without a doctor's order/prescription	-	4.6	12.6	14.0

Measure	Northern Virginia Targeted Population		Comparison Population	
	Alexandria City	Fairfax County	Virginia	United States
<b>Sexual Behaviors</b>				
Ever had sexual intercourse	28.9	16.8	-	39.5
Had sexual intercourse for the first time before age 13	2.9	1.5	-	3.4
Currently sexually active	20.6	11.6	-	28.7
Did not use a condom during last sexual intercourse	39.7	33.7	-	46.2
Drank alcohol or used drugs before last sexual intercourse	14.9	20.7	-	18.8
<b>Dietary Behaviors</b>				
Drank soda or pop one or more times per day in last week	-	9.8	16.4	18.7
<b>Physical Activity</b>				
Were physically active at least 60 minutes per day on 5 or more days in the last week	30.6	41.9	42.3	46.5
Played video or computer games or used a computer for 3 or more hours per day in the last week	46.7	48.6	42.9	43.0
Watched television 3 or more hours per day on an average school day	19.5	13.4	18.9	20.7

*Unless otherwise specified, questions asked about behavior in the last month.*

## Appendix F: Identifying Top Health Issues Methodology

As described throughout this document and the CHNA Report, each of the three assessments identified areas of concern. Community health needs were determined to be “top health issues” if they were identified as problematic in at least two of the three assessments.

An Assessment Scoring Matrix was developed by the collaborative in order to visualize these results. Figure F1 shows this matrix for the IMVH Community.

Figure F1: IMVH Assessment Scoring Matrix

Category	CTSA Theme?	CHSA Theme?	FOCA Theme?
<b>Chronic health conditions</b> (stroke, heart disease, diabetes, Alzheimer's/dementia, arthritis, cancer)	X	X	X
<b>Economic stability</b> (income inequality, poverty, unemployment)	X	X	X
<b>Education</b> (school climate, suspensions, graduation rates, advanced academics, college)			
<b>Health related quality of life and well-being</b> (life expectancy, years of life lost due to illness, quality of life rankings)			
<b>Healthcare access</b> (insurance coverage, unnecessary hospitalization, healthcare disparities)	X	X	X
<b>Immunizations and infectious disease</b> (infectious disease incidence, immunization rates)	X		
<b>Injury and violence</b> (accidental injury, motor vehicle collision, assault)	X	X	X
<b>Maternal, infant and child health</b> (infant mortality, maternal mortality, birth rate among adolescents, prenatal care)	X	X	
<b>Mental health</b> (mental distress, suicide, depression)	X	X	X
<b>Neighborhood and built environment</b> (residential segregation, housing costs, food environment, commuting, green space)	X	X	X
<b>Obesity, nutrition, and physical activity</b> (overweight or obesity, food insecurity, levels of physical activity)	X		
<b>Oral health</b> (tooth loss, received dental services)	X		
<b>Sexual and reproductive health</b> (adolescent sexual health and pregnancy, HIV and STI incidence and prevalence)		X	
<b>Tobacco and substance use and abuse</b> (tobacco and e-cigarette use, alcohol and drug use)	X	X	X

Using this framework, the top health issues identified for the IMVH community **were chronic conditions; economic stability; healthcare access; injury and violence; maternal, infant and child health; mental health; neighborhood and built environment; and tobacco and substance use and abuse.**

## Appendix G: Actions Taken Since Previous IMVH CHNA

This appendix discusses community health improvement actions taken by Inova since its last CHNA reports were published in 2016, and based on the subsequently developed Implementation Strategies. The information is included in the 2019 CHNA reports to respond to final IRC 501(r) regulations, published by the IRS in December 2014.

### Priority Strategic Initiatives

1. Improve the Care and Conditions of Aging Adults
  - a. IMVH partnered with NOVA AARP and Mount Vernon at Home to develop ACTIVE (Adult Community That Is Very Energetic), an educational program for seniors. In its first year, the program offered monthly lunch and learn sessions with healthcare professionals and other experts regarding care management, caregiving, healthy living, travel safety, and home access. Information about the program is communicated to seniors via websites, mailings, and social media.
  - b. In September of 2018, inpatient hospice beds were created through a partnership with Capital Caring. Patients who are admitted to the hospital who meet criteria for end-of-life care and who desire to pursue this service are transitioned to inpatient hospice. They are then allowed to pass away with dignity or they can be discharged to an outpatient hospice facility for further end of life care. Capital Caring provides a hospice physician available 24/7/365 to consult/come onsite as needed.
  - c. To further assist our aging population, the Heart Failure Clinic was started in 2018 with the goal of preventing readmission of patients originally admitted for heart failure. The clinic is managed by IMG Cardiology, partnering with IMVH Nursing in the outpatient infusion center on unit 3B.
  - d. Additionally, a community outreach initiative, the IMVH Continuum of Care Collaborative, was started in 2018. This team is comprised of partners who we interact with post-discharge (SNFs, home health, assisted living, Transitional Services Clinic, dialysis, hospice, etc.). The purpose is to provide for a smoother transition out of the hospital back to life and to reduce readmissions and mortality. The initiative is just getting off the ground, and expected to grow in 2019.
  - e. The Inova Medical House Calls program is designed to help patients successfully “age in place” while reducing readmissions and overall cost. An interdisciplinary team provides comprehensive primary care in patient homes and assisted living facilities. Patients are generally 65 years of age or older and they have difficulty leaving home for medical appointments. These primary care services are “high-touch” with intensive patient management and care coordination with an emphasis on advance care planning. The program staff leverages strong relationships with inpatient teams, hospice agencies, skilled nursing staff, physical therapy staff, occupational therapy staff, mental health counselors and county services for high-quality patient outcomes.
  - f. One major issue in care for the growing older adult population has been a scarcity of options for primary care. To meet this need, Inova added a geriatrician in three of the Inova Medical Group primary care practices.
  - g. ElderLink is a non-profit partnership between Inova, the Fairfax Area Agency on Aging, and the Alzheimer’s Association, National Capital Area Chapter. ElderLink provides case management, care coordination, health and wellness programming, as well as support to patients returning from the hospital back to their home in the community, and caregiver support to older adults and their caregivers.

- h. As part of its focus to promote community health and education, Inova's Department of Population/Community Health provides small grants to not-for-profit organizations. One of these grants was to Insight Memory Care Center, where funds will help support the organization's adult day respite care program. IMCC is the only licensed adult day center in Northern Virginia dedicated to enhancing the lives of individuals with Alzheimer's disease and related dementias as well as their caregivers and families.
2. Improve Care and Access to Care for Individuals with Mental Health and/or Substance Abuse Needs
    - a. Inova Behavioral Health Services is committed to offering a full spectrum of mental health and addiction treatment services, and has been working to increase access through creative and multi-modal initiatives. These activities include, but are not limited to the following: adding behavioral health professionals at primary care and OB practices, adding care navigators at all behavioral health clinics and emergency rooms, adding telehealth at all Inova emergency rooms and a new peer counseling program for opioid overdose.
    - b. Another new initiative is the implementation of SBIRT (Screening, Brief Intervention and Referral to Treatment). SBIRT is a simple screening tool that helps identify people at high risk of substance abuse, and is now in place in all hospital emergency departments (ED). Results of the screening guide the level of intervention. People at mild or moderate risk receive a short counseling session. Those diagnosed as addicted are referred for treatment.
    - c. Additionally, IMVH initiated full service telepsychiatry. This makes psychiatric evaluation and treatment more accessible to the entire Mount Vernon community.
    - d. Inova recognizes that hospitals can have a large impact on the rising opioid epidemic. In order to do its part to reduce prescription drug abuse, Inova is working with its doctors to reduce opioid prescriptions using alternative forms of pain management, including piloting new virtual reality therapy, and has successfully reduced overall opioid use at all hospitals.
    - e. In another step to help curb the opioid epidemic in the community, in 2019 Inova Mount Vernon Hospital installed a public drop-off box for safe disposal of unused drugs.
    - f. Another way that Inova is working to fill the gap in services for child and adolescent mental health is through the REACH Program. REACH is an educational program for providers to learn how to use psychiatric medications with the pediatric patients in their offices. Over the last four years Inova has provided this training opportunity to 250 pediatricians and nurse practitioners.
  3. Improve the Care of Individuals with Diabetes.
    - a. The Inova Center for Wellness and Metabolic Health opened a new site in Alexandria. This new location offers diabetes education and Medical Nutrition Therapy visits, and brings this much needed service to a more convenient location for members of the Alexandria community.
    - b. To prevent and reduce the incidence of nutrition-related diseases, Inova focused on several initiatives to reduce food insecurity and increase food literacy among community members. Specifically, Inova continued to match the purchases made by SNAP customers (formerly food stamps) at farmers markets, allowing low-income individuals to purchase more fresh produce. In addition, in 2017 Inova provided \$74,500 in funding to support the breakfast in the classroom program in Fairfax and Loudoun County Public Schools and the City of Alexandria Public Schools.
    - c. Inova continued to grow the Inova Healthy Plate Program, an 8-week school-based nutrition program provided to local Title I elementary schools and community programs. The Inova Healthy Plate Club aims to improve students' understanding of nutrition and the importance of healthy behaviors. In 2018, the Inova Healthy Plate Club served over 270 students, including Hammond Middle School and a new program at John Adams Elementary Schools in the IMVH community.

4. Outside of these priority areas identified in the IMVH 2016 CHNA Implementation Plan, the hospital has continued community benefit programs that address a variety of health concerns. Inova operates much of its community health programs centrally, and as a result, many of these programs are not operated directly by IMVH.
  - a. To further improve the health of the diverse communities that we serve, in late 2016 and early 2017, Inova launched three new Simplicity Health clinics, a group of primary care clinics for adults that provide ongoing care, prevention and disease management at affordable fees for chronic illnesses like diabetes, hypertension and heart disease. With Simplicity Health clinics, Inova is bringing excellent care to convenient locations, including one in Sterling, for high-need communities, making healthcare not only affordable, but also accessible. Staff are as diverse as the communities we serve and are able to speak a variety of languages, such as Korean, Vietnamese, Spanish and Arabic.
  - b. In 2019, with the newly expanded Medicaid eligibility rules, Inova built on the foundation created by the Simplicity Health Clinics to launch Inova Health Advantage. Inova Health Advantage Clinics provide primary care services to Medicaid enrollees to include health maintenance and disease prevention, patient education and counseling, and the treatment of acute and chronic medical conditions such as diabetes and hypertension.
  - c. Inova's Partnership for Healthier Kids (PHK) Access to Care program provides families with comprehensive application and enrollment assistance to connect them with an appropriate and affordable source of health care services. PHK began expansion efforts in the end of 2018 with the onset of Medicaid expansion in Virginia.
  - d. The Language and Disability Services Department is dedicated to ensuring equal access to Inova's services regardless of language preference or the need for special accommodations. In support of patient safety and satisfaction, language interpretation and document translations are provided at every Inova facility, to facilitate communication with the 14% of Inova's patient population who are Limited English Proficient (LEP), and the 0.2% of clients who are Deaf or Hard of Hearing (D/HH).
  - e. The Inova Comprehensive Addiction Treatment Services Program (CATS) is a leader in providing the highest quality addiction treatment services in Northern Virginia and surrounding areas. A series of structured programs offers effective, compassionate treatment for individuals dealing with all forms of substance abuse disorders, including addiction to alcohol, prescription drugs, heroin, cocaine and other drugs. Services are available to adults ages 18 and older. The range of services includes: Inpatient Medical Detoxification, Partial Hospitalization Program, Intensive Outpatient Program, Outpatient Groups, Medication Assisted Therapy and Substance Use Assessments.
  - f. The Inova Kellar Center is a comprehensive, behavioral health treatment center and special education school for children, adolescents and their families. With locations in Fairfax and Loudoun counties, Inova Kellar Center provides a full continuum of outpatient services for psychiatric disorders, substance use disorders, and behavioral and emotional issues. Services include assessment, psychological testing, educational testing, psychiatric evaluation, medication management, individual, family and group therapy and Intensive In-Home services. For adolescents who require intense mental health interventions, the Center provides an afterschool Intensive Outpatient Program for mental health and co-occurring disorders and a full day Partial Hospitalization Program for adolescents who are in crisis and unable to attend school. The treatment services and programs are provided to children and families regardless of ability to pay. The Kellar School of Inova Kellar Center provides special education services to children and adolescents who have not been successful in the public school setting and may be at risk for being removed from the community and placed in more restrictive settings.



- g. The mission of Life with Cancer (LWC) is to enhance the quality of life of those individuals in the community affected by cancer. The program addresses the specific needs by providing individual and family counseling, support groups, educational seminars, workshops on cancer diagnosis and treatment, and a full array of complimentary therapies. Life with Cancer is generously supported by our community; therefore all services are available at no charge to residents of the Washington Metropolitan area.
- h. The Inova Ewing FACT department is a comprehensive, outpatient forensic nursing program for children and adults. Established in the late 1990s, the Inova Ewing FACT department has provided specialized care for victims of sexual abuse, domestic violence and child abuse. FACT serves all of Northern Virginia including Fairfax, Arlington, Loudoun and Prince William counties, the cities of Alexandria and Falls Church, parts of Fauquier and Stafford counties, military installations and universities. FACT also performs courtesy exams for outlying jurisdictions including the District of Columbia, Maryland and West Virginia. The program has grown significantly over the years and now provides services in the areas of Sexual Assault, Intimate Partner/Domestic Violence, Physical Child Abuse, Strangulation and Human Sex Trafficking.