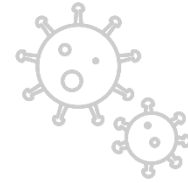




COVID-19 VACCINE EQUITY REPORT

FEBRUARY – APRIL 2022



Executive Summary

- ❖ Fairfax Health District vaccine equity strategies in 2022 to-date have focused on administration of first doses, especially among children 5-11 years old, and administration of booster doses. Strategies include continued vaccine equity clinics, outreach by vaccine navigators, focus on higher risk populations including those experiencing homelessness, and working with community-based organizations (CBOs) to expand outreach through alignment of vaccine navigators.
- ❖ From January through April 2022, the Health Department partnered with five organizations to vaccinate 7,745 residents (including 3,568 children ages 5 to 11) at 187 vaccine equity clinic events. People of color comprised 79.1% of Fairfax Health District residents who received a first dose vaccination at a vaccine equity clinic during this timeframe.
- ❖ Overall, from March 2021 through April 2022, a total of 904 vaccine equity clinic events delivered 74,194 vaccine doses representing 3.8% of all doses administered in Fairfax Health District.
- ❖ As of May 26, 2022, a total of 2,359,522 doses of COVID-19 vaccine have been administered in Fairfax Health District, and 993,197 people had received at least one vaccine dose.
- ❖ The rate of vaccination with at least one dose is substantially lower in the 5 to 11 age group (60.9%) compared to those ages 12 and older (92.4%).
- ❖ From December 2020 through May 2022 to-date, Hispanic residents comprised 17.5% of Fairfax Health District residents vaccinated with at least one dose, Black/African American residents comprised 8.3%, Asian and Pacific Islander residents comprised 21.7%, and Non-Hispanic White residents comprised 43.6%. 9.0% of residents reported another race and ethnicity.
- ❖ Among ages 12 and older, Black/African American (69%) and Non-Hispanic White residents (71%) have the lowest rates of vaccination with at least one dose. Among those ages 5 to 11, the rate of vaccination with at least one dose is lowest among Black/African American (34%) and Non-Hispanic White children (45%).
- ❖ Booster dose rates among residents ages 12 and older are lowest among Black/African American (33.9%) and Hispanic residents (37.2%). Among those who have completed primary vaccination and are eligible to receive a booster dose, booster dose rates are lowest among Hispanic residents ages 12 and older (48.9%), followed by Black/African American residents (59.1%).
- ❖ Vaccination rates for those ages 12 and older are lower in the Southeastern portion of Fairfax Health District, including ZIP codes 22079, 22310, 22315, and 22309. Vaccination rates for those ages 5 to 11 are lower in the Southeastern region (22309, 22079), in addition to Reston (20190), Springfield (22151), and Centreville (20121).

Part 1: Current Context

During the month of January 2022, Fairfax Health District (FHD) experienced a peak and subsequent decline in cases due to the Omicron variant. COVID-19 case rates surged into the first half of the month, peaking on January 12, 2022, at a reported 7-day average of 2,565 cases per day (216 per 100,000 population). While this peak substantially exceeded previous surges several-fold, hospitalizations and deaths showed smaller increases. This reflects the lower severity of Omicron compared with previous variants and the impact of vaccination which remains particularly effective at preventing more severe disease. Following the mid-month peak, cases rapidly declined, and stabilized from mid-February through mid-March. Driven by the spread of new Omicron variants BA.2 and BA.2.12.1, cases then increased sixfold from mid-March to late May. On May 26, the reported 7-day average number of cases was 575 per day (48 per 100,000 population). The level of community transmission at the time of this report is categorized as “High” whereas the Community Level, a new metric defined by CDC based on the disease rate and hospitalization data, is categorized as “Medium” (see <https://www.cdc.gov/coronavirus/2019-ncov/your-health/covid-by-county.html> for more information on Community Levels including the current level for Fairfax County)

At the peak of the Omicron surge, young adults 20 to 34 years old emerged as the group most likely to be infected. However, in February, the highest rate of infection by age was among 0-4-year-olds followed by 5-9-year-olds. Beginning in March 2022, cases surged among residents ages 85 and older and, since this time, case rates have risen among all age groups. During the peak of the Omicron surge in January, there was about a two-fold higher rate of COVID-19 among Hispanic and African American populations compared with Non-Hispanic White health district residents. Exacerbation of disparities at the peak of the surge may reflect the greater exposure among people of color in household or work settings for this highly transmissible variant. By the end of January, this gap decreased with only small differences in rate by race and ethnicity remaining through mid-April; in late April and May 2022, case rates were lower among Hispanic residents compared to other residents of Fairfax Health District.

Recent CDC updates of COVID-19 vaccination guidance included booster dose recommendations for the Pfizer vaccine among adolescents ages 12 to 17 years old and children ages 5-11 years old. The Moderna mRNA vaccine also received full FDA approval at the end of January. In early February, the CDC recommended that immunocompromised people receive a booster dose at 3 months (instead of 5 months) or more following completion of a 3-dose mRNA vaccine primary series. Additionally, in late March, the CDC recommended a second booster dose four months after receipt of the first booster dose for immunocompromised individuals and those ages 50 and older.

Vaccinations continue to be provided by the Health Department at the Government Center and the Gerry Hyland South County Building. In addition, vaccinations can be obtained at over 400 sites around the county. Despite the Omicron BA.1 and BA.2/BA.2.12.1 surges, overall uptake of primary vaccination has decreased since January 2022. In January, 23,523 residents received their first dose, followed by 7,844 residents in February, 4,700 residents in March, and 4,736 residents in April. Federal HRSA funding for the COVID-19 Uninsured and Coverage Assistance Fund programs which paid vaccine administration costs for uninsured individuals ended on April 5, 2022. As a result, vaccine equity clinic partners such as Safeway have no longer been available to support clinics.

Part 2: Vaccine Equity Goals, Strategy, and Implementation

FHD vaccine equity strategies in 2022 to-date focused on administration of first doses, especially among children 5-11 years old, and administration of booster doses. Strategies include continued vaccine equity clinics, outreach by vaccine navigators, focus on higher risk populations including those experiencing homelessness, and working with community-based organizations (CBOs) to expand outreach through alignment of vaccine navigators. In addition, we continue to use ZIP code, census tract, school district, and property (e.g., apartment complex) level data to guide these activities.

Vaccine equity clinics remain an important approach to focus additional vaccination efforts toward populations and communities that have been disproportionately affected throughout the pandemic and where challenges to accessing vaccination generally have been higher. Prior to establishing a vaccine equity clinic, vaccine coverage data are analyzed, and partner engagement is initiated by the Health Department's Outreach Team. After clinic locations and times are established, the Outreach Team collaborates with trusted community non-profit and business partners, NCS and the Navigator Team to inform and encourage the community and address their concerns about vaccination. Medical Reserve Corps volunteers continue to staff the operation of vaccine equity clinics. Vaccine equity clinic sites included schools, houses of worship, community centers, apartment complexes, commercial centers, health clinics, childcare centers, government buildings, libraries, restaurants, local businesses, non-governmental organizations, and recreational centers.

Fairfax County Public School (FCPS) School Vaccine Clinics provided pediatric vaccinations at 48 elementary school sites from January through April 2022. From November 2021 through mid-February 2022, FCPS clinics were held after school and required the presence of a parent or guardian. On February 15, 2022, FCHD and FCPS began holding *In Loco Parentis* (ILP) clinics, which allow children to receive vaccination during school hours with parent/guardian permission. The Health Department Division of Epidemiology and Population Health provided the Outreach Team and School Health Division monthly reports of vaccination rates by elementary school catchment area stratified by race and ethnicity. This allowed for the selection of clinic locations in schools with lower vaccination rates among priority populations.

Between January 2022 and April 2022, the **Vaccine Navigation Team** supported 398 events and assisted 11,858 community members. Events attended by navigators included COVID-19 vaccine equity clinics, community events and fairs, food distributions, multicultural festivals, and health fairs, in addition to outreach at elementary schools and faith-based organizations. During these events, the navigators connected community members to COVID-19 vaccines and other Fairfax County resources such as pediatric dental services or routine childhood vaccines. The navigators also continue to collect outcome data for every 5th attempted interaction.

The Vaccine Navigation Team continues to work with 7 existing MOU partners: Cornerstones, Edu Futuro, Western Fairfax Christian Ministries, Lorton Community Action Center, Second Story, United Community, and the Medical Care for Children Partnership Foundation. They maintain a presence at many of these partners' locations weekly and attend community events for these organizations' clients.

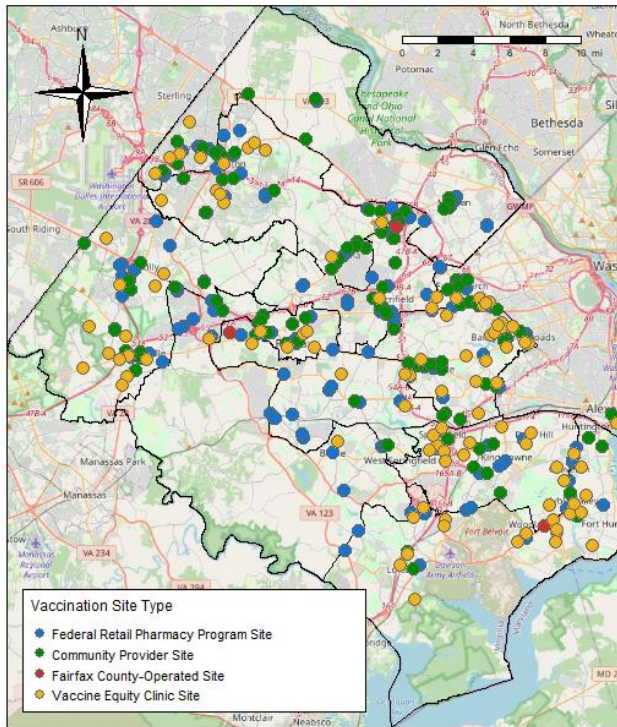
Vaccination of homeless people continues to be a challenge. By mid-May 2022, 1,312 homeless individuals and shelter staff had been vaccinated at 117 on-site vaccination clinics at drop-in centers,

shelters, QPID hotels and with street outreach. The homeless program Nurse Practitioners (NPs) increased their efforts to vaccinate in November 2021 as no-turn-away began at shelters on November 15, and the hypothermia prevention program began on December 1. Vaccinations were briefly paused in early January 2022 due to COVID-19 outbreaks in homeless shelters. NPs continue to perform outreach to the family shelters for interest in the COVID-19 vaccine for those 12 and older and serve as a resource for the 5-11 population providing information on vaccination locations.

Implementation of the **Stronger² Project**, focused on improving health literacy among Hispanics and Blacks/African Americans related to COVID-19, is ongoing. The project has 12 implementation partners that provide an array of health literacy and outreach activities. Over 24,000 people have been reached directly through project activities and many more were reached through social media and radio or television shows hosted by program partners. Additionally, 453 community members were vaccinated at equity clinics hosted by implementation partners.

Part 3: Fairfax County Vaccination Overview

Fairfax Health District Vaccination Sites
January - April 2022



As of May 26, 2022, a total of 2,359,522 doses of COVID-19 vaccine have been administered in Fairfax Health District, and 993,197 people had received at least one vaccine dose. This represents 92.2% of the adult (≥ 18 -year-old) population, 92.4% of those ages 12 and older, and 60.9% of those ages 5 to 11. The proportion vaccinated in the Fairfax Health District includes more than 98% of persons aged 65 years and older. 495,618 booster/additional doses have been received by Fairfax County Health District residents as of May 26.

From January through April 2022, 411 vaccination sites administered doses to Fairfax Health District residents (see map to left). These sites included 151 pharmacy sites, 146 healthcare providers, 3 sites

operated by Fairfax County (including the Tysons’s Corner Community Vaccination Center through March 25), and 111 vaccine equity clinic sites (including 45 elementary schools).

Part 4: Vaccine Equity Clinic Data

From January through April 2022, the Health Department partnered with five vaccinating organizations and numerous other partners to implement 187 vaccination events. Thirty-seven events served adults only, 94 events served both adults and children, and 56 events served children only. 7,820 doses were administered to 7,745 individuals, including 3,568 children ages 5-11. Among the total vaccines administered, there were 2,142 first doses (including Johnson and Johnson), 2,370 second doses, 3,258 third doses, and 50 fourth doses. People of color comprised 79.1% of Fairfax Health District residents who received a first dose vaccination at a vaccine equity clinic from January through April 2022.



5
Vaccination
Partners



187
Vaccination
Events



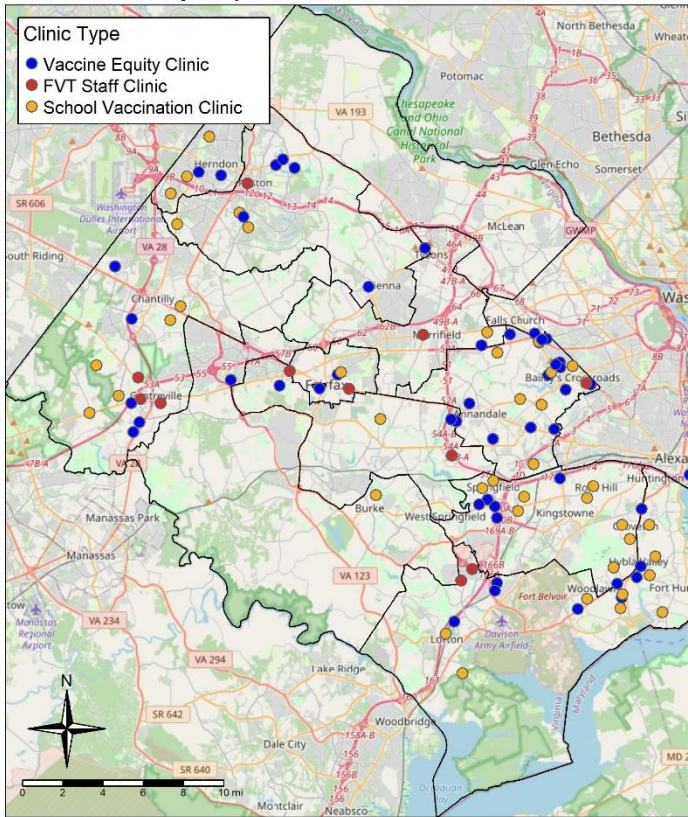
7,820
Doses
Administered



79%
Black/African
Hispanic or Asian/PI

Overall, from March 2021 through April 2022, a total of 904 vaccine equity clinic events delivered 74,194 vaccine doses representing 3.8% of all doses administered in Fairfax Health District.

Vaccine Equity Clinic Sites
January - April 2022, Fairfax Health District



Equity Clinic Locations

From January through April 2022, vaccine equity clinics were held at 111 sites throughout the Fairfax Health District (see map to left and Appendix A for detailed list). Sites included schools (48), houses of worship (14), community centers (10), apartment complexes (8), commercial centers (5), health clinics (3), childcare centers (3), government buildings (3), libraries (2), restaurants (2), local businesses (2), non-governmental organizations (2), and recreational centers (1). The Health Department’s Field Vaccine Team vaccinated staff in closed vaccination events at eight additional restaurants. Vaccinations were provided by Neighborhood Health, Safeway, Healthworks, the Field Vaccination Team, and contractors working with the Fairfax

County Public Schools (Giant and Ashbritt).

The Health Department’s Division of Epidemiology and Population Health continues to provide information to the High-Risk Communities Task Force and FCPS to assist with location selection for equity clinics, including school-based clinics. This includes vaccination rates by ZIP code, census tract, and elementary school catchment area, overall and stratified by race and ethnicity.

Vaccinator Organization and Number of People Vaccinated March 2021 – April 2022											
Vaccinator Organization	MAR. 2021 – JUN. 2021 ¹	JUL. 2021	AUG. 2021	SEP. 2021	OCT. 2021	NOV. 2021	DEC. 2021	JAN. 2022	FEB. 2022	MAR. 2022	APR. 2022
Neighborhood Health (NH)	24,922	925	612	340	87	168	348	N/A	N/A	11	140
Safeway (SW)	10,613 ²	485 ²	304 ²	357 ²	898 ²	1,468 ²	2,094 ^{2,3}	1,524 ²	609 ²	273 ²	60 ²
Healthworks (HW)	2,574	261	268	238	258	198	306	263	198	73	112

Field Vaccination Team (FVT) – Open Events	3,284	250	878	201	171	188	263	303	221	163 ⁴	311 ⁴
Field Vaccination Team (FVT) – Closed Events	N/A	N/A	28	76	28	6	83	69	20	13	15
Fairfax County Public Schools (FCPS)	N/A	N/A	N/A	N/A	N/A	996 ²	2,198 ²	1,480 ²	816 ²	931 ²	163 ²
AshBritt (ASH)	N/A	N/A	N/A	N/A	N/A	N/A	23	N/A	N/A	N/A	N/A
Mason and Partners (MAP)	1,556	155	94	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Adam’s Compassionate Healthcare Network (ACHN)	3,212	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Chinese American Community Health Services (CACHS)	282	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Inova Cares Clinic for Families (ICCF)	784	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Race/Ethnicity

There were 2,142 residents of Fairfax Health District for whom race and ethnicity data were collected and who were vaccinated with a first dose of Pfizer, Moderna, or Johnson & Johnson at a vaccine equity clinic (including FCPS clinics) from January through April 2022. Overall, during this timeframe, 79.1% of Fairfax Health District residents vaccinated by equity partners identified as either Black/African American, Hispanic, or Asian/Pacific Islander.

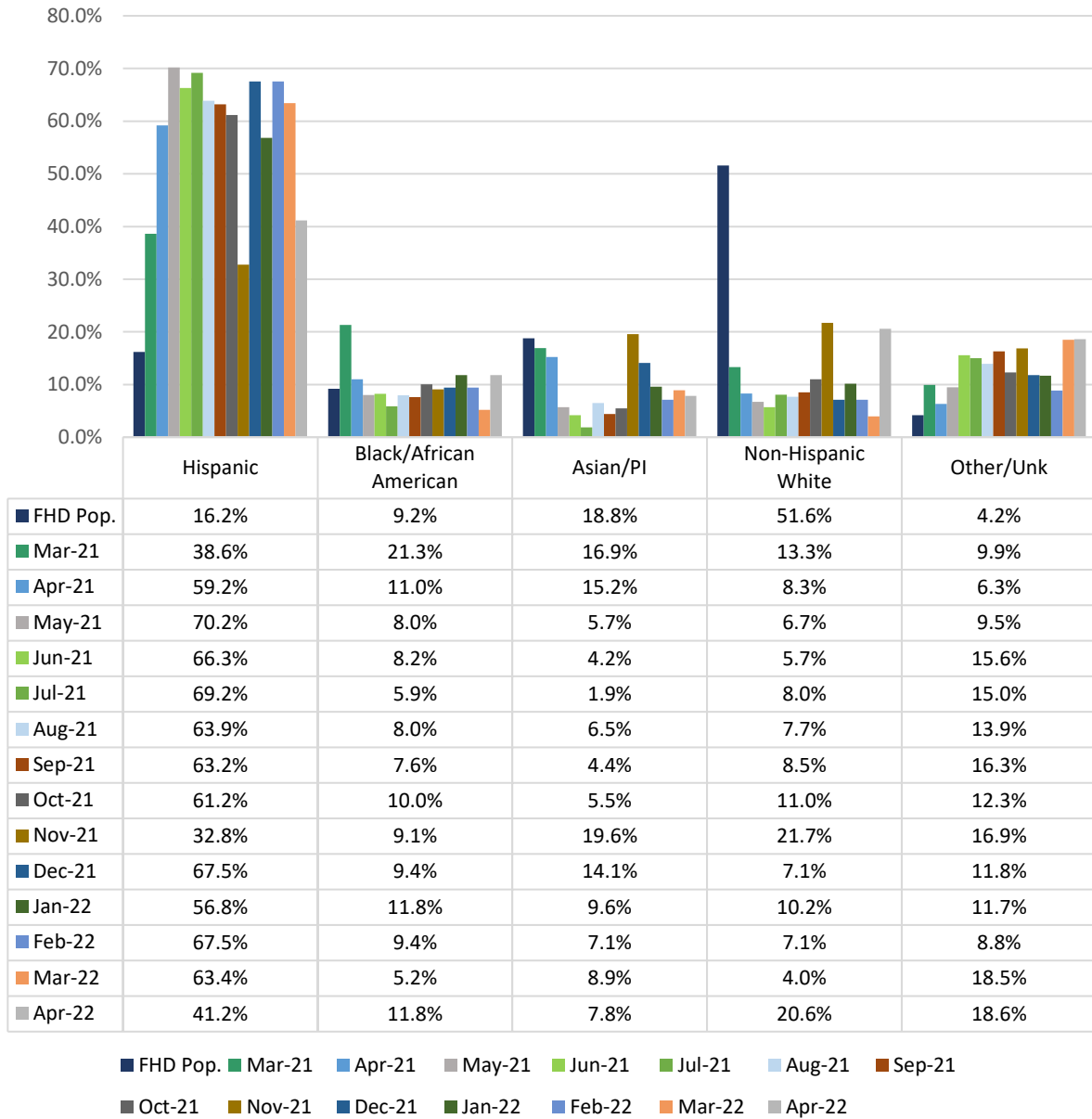
¹ Totals for March and April 2021 include those scheduled or vaccinated.

² These numbers are likely higher than the actual number of unique persons who were vaccinated due to missing data that prevented de-duplication of individuals receiving first and second doses during the same month.

³ During the month of December 2021, Safeway used completed registration forms to represent vaccinations. They estimate that the true number of people served is up to 25% higher.

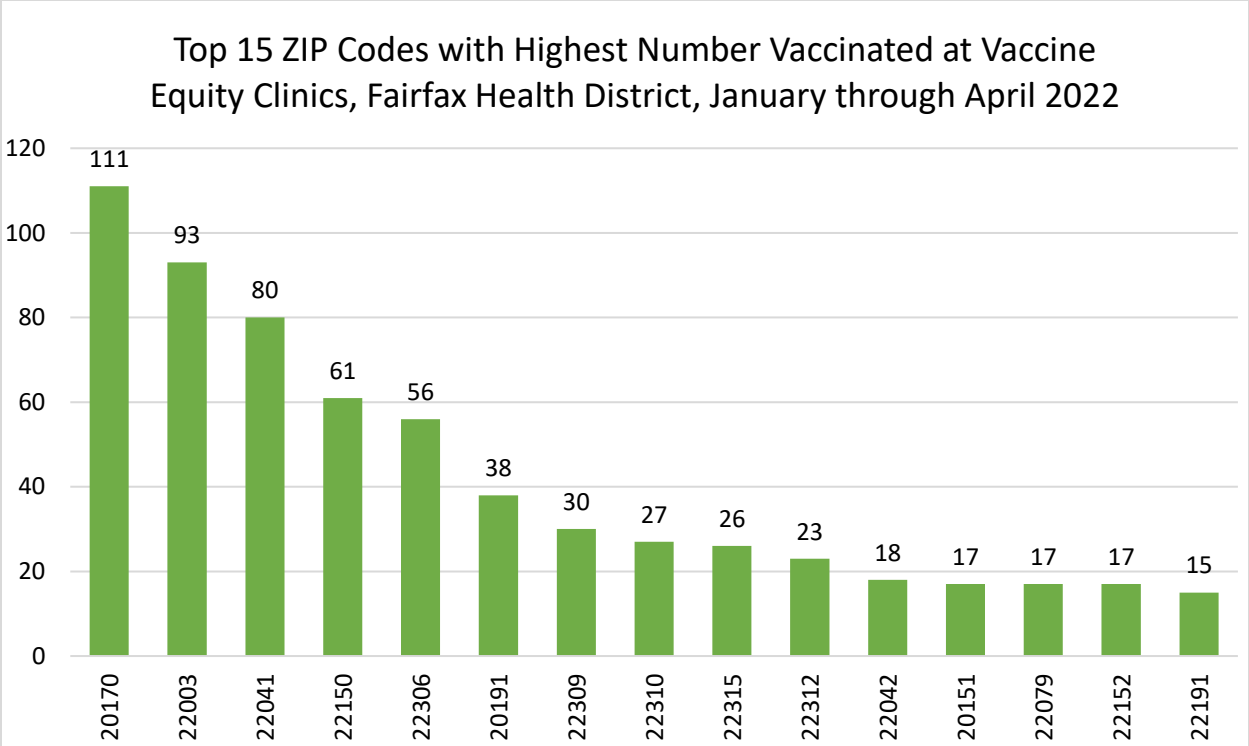
⁴ Beginning in March 2022, the FVT became the primary vaccinator for FCPS school-based clinics. Those vaccinated by FVT as part of FCPS clinics are included in FCPS totals and are excluded from FVT totals so as not to duplicate vaccinated individuals.

Percent Scheduled/Vaccinated at Vaccine Equity Clinics Compared to Total FHD Population Proportion, by Month and Race/Ethnicity



ZIP Code

A total of 888 Fairfax Health District residents who received a first dose at a vaccine equity clinic in January through April 2022 had a reported ZIP code. 70.8% of residents with reported ZIP codes lived in one of 15 ZIP codes shown below. Many of these areas are characterized by higher rates of disease and lower vaccination coverage.



Please note that ZIP code data was not obtained for those who were vaccinated at a non-FVT FCPS school-based clinic and therefore is not included in the above chart.

Part 5: Overall Fairfax Health District Vaccination

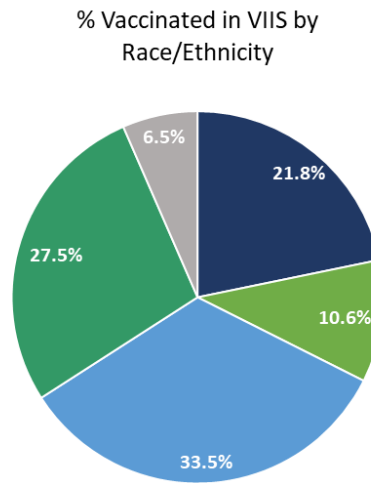
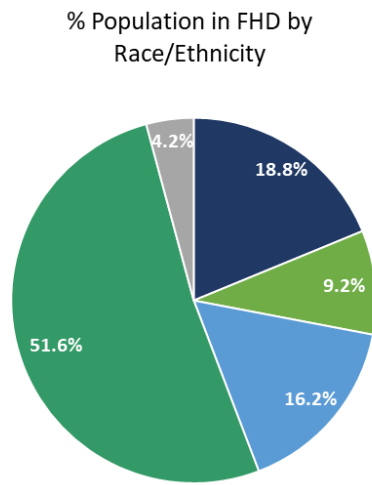
Race and Ethnicity

Of the 993,197 Fairfax Health District residents who have been vaccinated as of May 26, 916,363 (92%) have race and ethnicity included in the Virginia Immunization Information System (VIIS). Overall, from December 2020 through May 2022 to-date, Hispanics comprised 17.5% of Fairfax Health District residents vaccinated, Black or African Americans comprised 8.3%, Asian and Pacific Islanders comprised 21.7%, Non-Hispanic Whites comprised 43.6%, with 9.0% reporting another race and ethnicity.

There were 40,803 Fairfax Health District residents who received a first vaccine dose in January, February, March, or April 2022, with 36,835 (90%) reporting race and ethnicity. Overall, 21.8% identified as Asian or Pacific Islander, 10.6% identified as Black/African American, 33.5% identified as Hispanic, and 27.5% identified as non-Hispanic White.

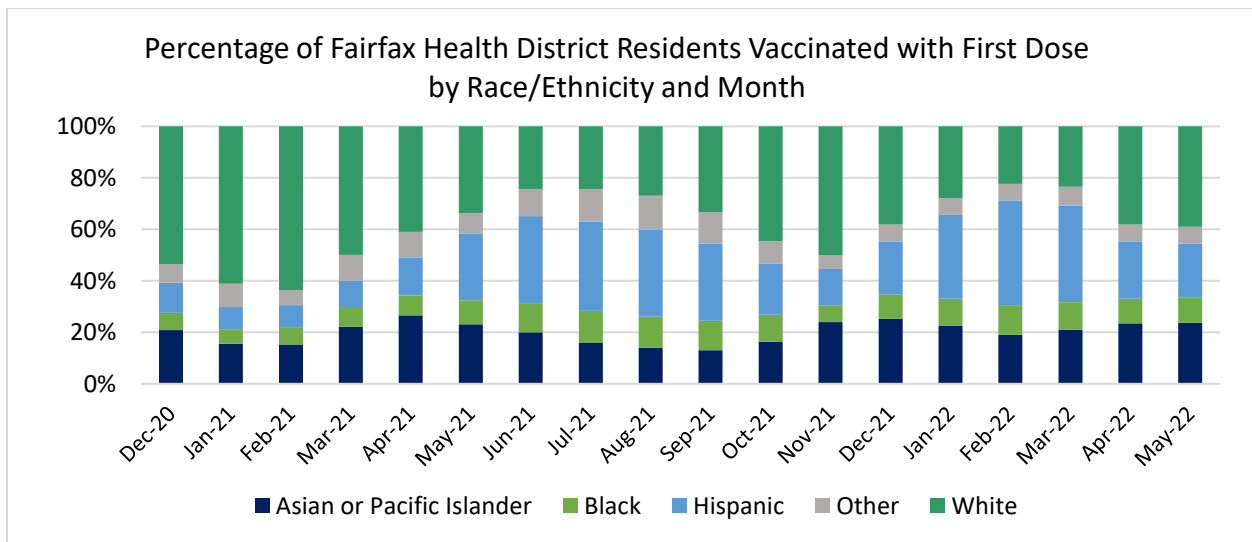
The proportions of Black/African American, Hispanic, and Asian/PI residents and who received vaccinations in from January through April 2022 were higher than the proportions of these groups in the Fairfax Health District population overall (see pie charts below).

■ Asian/PI ■ Black/African American ■ Hispanic ■ White ■ Other



January – April 2022

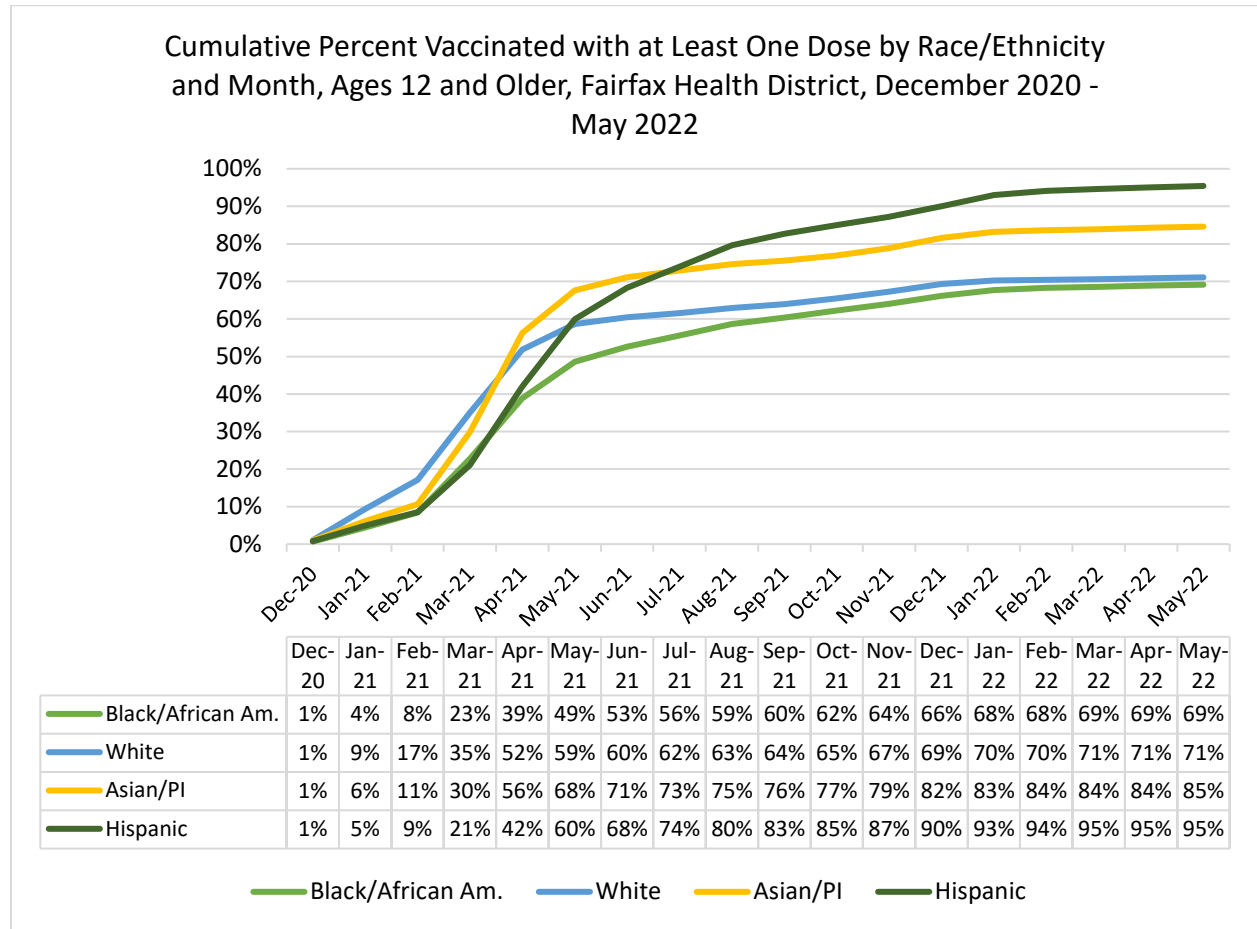
The proportion vaccinated by race and ethnicity varied by month within this timeframe. In February 2022, 77.7% of first doses were administered to Black/African American, Hispanic, or Asian/PI residents. An increasing proportion of first doses were administered to Non-Hispanic White residents in March, April, and May 2022 to-date.



Data for May 2022 are through May 26, 2022.

Vaccination data also can be expressed as the cumulative percent vaccinated among the population in each racial/ethnic group. Below is a line graph demonstrating vaccination rates among those ages 12

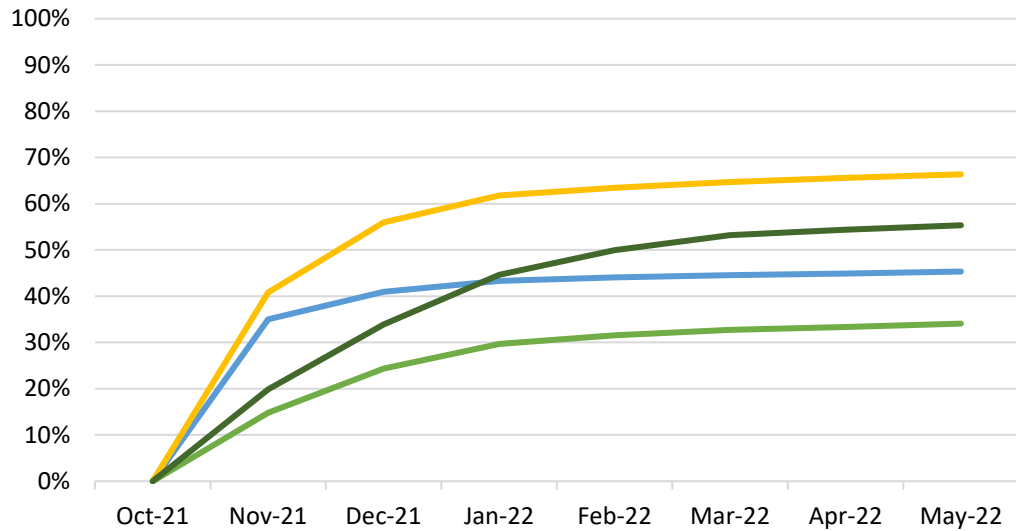
and older over time. As of May 26, 2022, Hispanic residents had the highest proportion vaccinated with one or more doses followed by Asian and Pacific Islander residents, Non-Hispanic White residents, and Black or African American residents.



Data for May 2022 are through May 26, 2022.

Among children ages 5 to 11, as of May 26, 2022, Asian/PI children had the highest proportion vaccinated with one or more doses followed by Hispanic children, Non-Hispanic White children, and Black/ African American children.

Cumulative Percent Vaccinated with at Least One Dose by Race/Ethnicity and Month, Ages 5 to 11, Fairfax Health District, October 2021 - May 2022



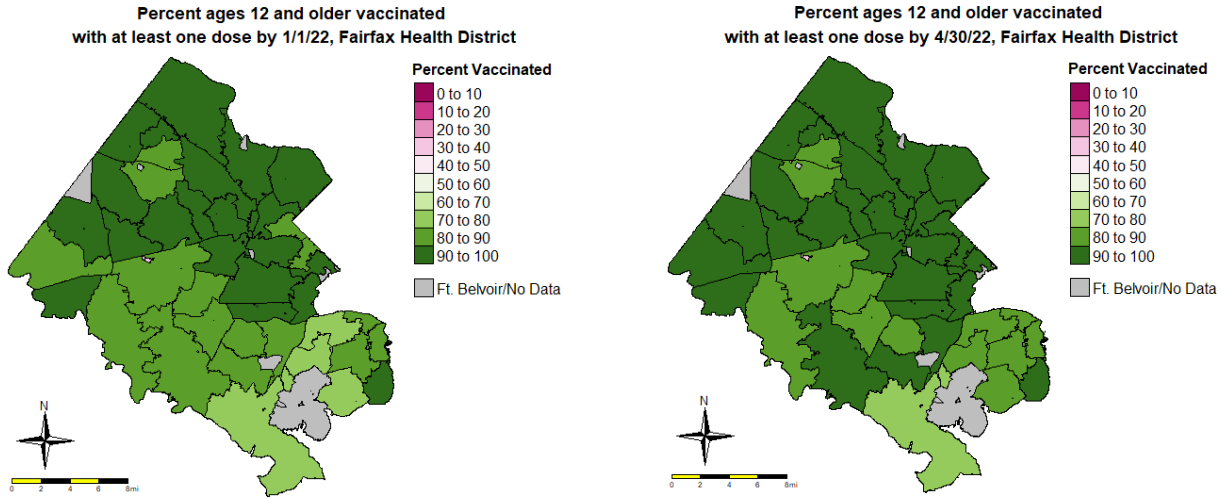
	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22
Black/African Am.	0%	15%	24%	30%	32%	33%	33%	34%
White	0%	35%	41%	43%	44%	45%	45%	45%
Asian/PI	0%	41%	56%	62%	63%	65%	66%	66%
Hispanic	0%	20%	34%	45%	50%	53%	54%	55%

Black/African Am. White Asian/PI Hispanic

Data for May 2022 are through May 26, 2022.

ZIP Code

The map below on the right shows the cumulative number of vaccine doses administered by ZIP code in the Fairfax Health District based on VIIS data. Overall, among Fairfax Health District residents ages 12 and older, 92.1% had been vaccinated as of April 30 (right map) – up from 89.3% on January 1 (left map).



Proportions vaccinated by ZIP code by April 30 range from just under 79.9% to 100.0%. Areas in the southeastern part of the Health District generally had lower vaccination rates.

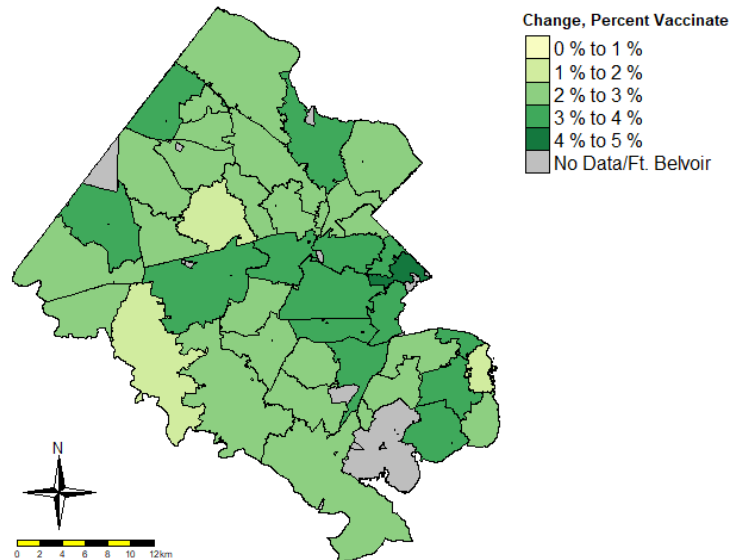
Percent Ages 12 and Older Vaccinated by ZIP Code as of April 30, 2022			
ZIP	Percent 12+ Vaccinated	ZIP	Percent 12+ Vaccinated
22180	100.0%	22124	92.4%
22182	100.0%	22044	92.3%
22181	100.0%	22046	92.2%
20151	99.8%	22150	91.9%
20171	99.8%	20120	90.8%
22101	98.1%	22039	90.5%
20170	97.9%	22153	90.1%
22027	97.1%	20191	89.5%
20121	96.8%	22306	89.2%
22003	96.6%	22015	88.4%
22041	96.5%	20190	88.0%
22151	95.9%	22307	87.9%
22308	95.4%	22152	87.3%
20194	95.2%	22032	86.6%
22042	95.2%	22030	85.7%

22312	95.2%	22303	85.7%
22033	94.8%	20124	85.3%
22043	94.3%	22309	82.9%
22102	93.8%	22315	81.8%
22031	93.6%	22310	80.1%
22066	93.3%	22079	79.9%
Total: 92.1%			

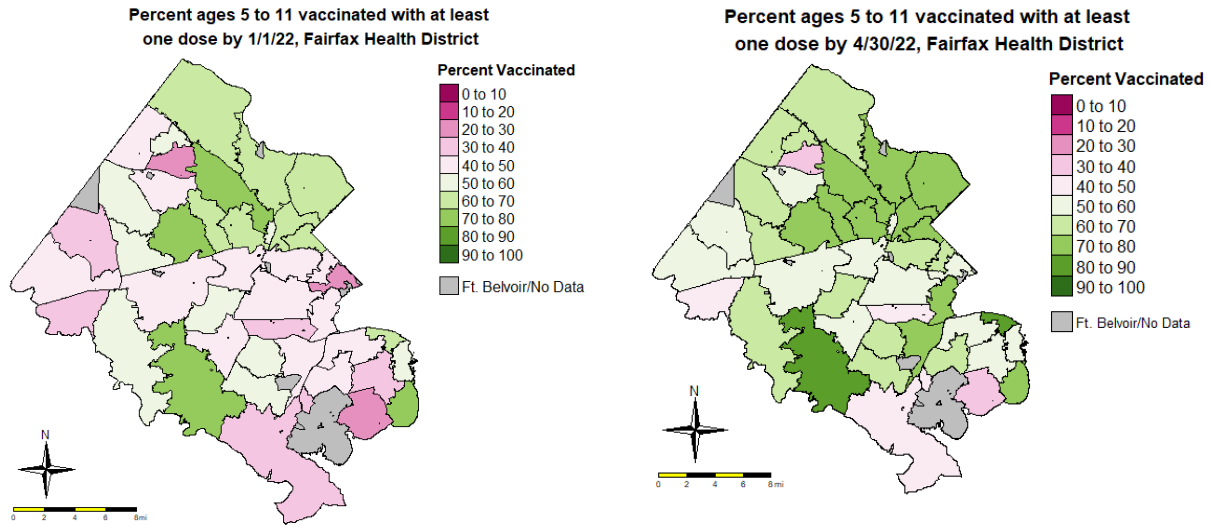
Population totals per ZIP code are defined using population estimates from the American Community Survey 5-Year Estimates (2020).

The following map shows the absolute change in percent vaccinated among those ages 12 and older by ZIP code from January 1 to April 30, 2022. Increases in the percent vaccinated by ZIP code ranged from 1.7% to 4.2%. Many ZIP codes with larger increases in vaccination are those that had lower overall rates at the beginning of the reporting period and that had been foci in vaccine equity efforts, such as 22309.

**Change in percent ages 12 and older vaccinated
with at least one dose, January 1 to April 30, 2022
Fairfax Health District**



Pediatric vaccination rates by ZIP code on January 1 and April 30, 2022, can be viewed in the maps on the next page. Overall, among Fairfax Health District residents ages 5 to 11, 60.1% had been vaccinated as of April 30 (right map), up from 48.9% on January 1 (left map).



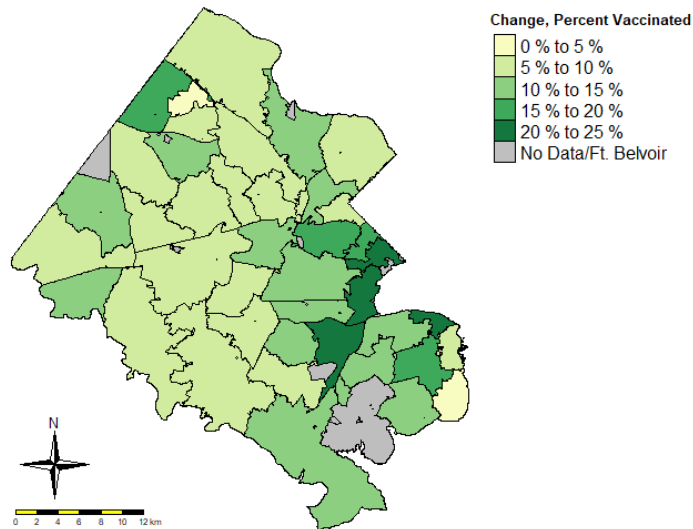
On April 30, pediatric vaccination rates by ZIP code ranged from 33.7% to 87.2%. Areas with lower pediatric vaccination rates are areas of focus for FCPS school-based vaccination clinics.

Percent Ages 5 to 11 Vaccinated by ZIP Code as of April 30, 2022			
ZIP Code	Percent 5 to 11 Vaccinated	ZIP Code	Percent 5 to 11 Vaccinated
22039	87.2%	22153	62.5%
22303	84.4%	20124	60.8%
22124	79.9%	22032	60.3%
22182	77.1%	22315	60.3%
22308	76.7%	22307	59.1%
22181	76.4%	22027	58.6%
22180	75.8%	20191	58.5%
22102	75.1%	22015	58.4%
22046	73.4%	22031	57.9%
22043	71.9%	22003	55.6%
22150	71.5%	22310	55.2%
22101	71.4%	22041	54.5%
22312	71.0%	20120	53.8%
22066	69.8%	22030	53.2%
22042	68.4%	22306	52.5%
20171	67.2%	20151	51.7%
22033	66.4%	20121	48.0%
22044	64.9%	22151	42.6%
20194	64.4%	22079	42.3%
22152	64.0%	22309	39.1%
20170	62.5%	20190	33.7%
Total: 60.1%			

Population totals per ZIP code are defined using population estimates from the American Community Survey 5-Year Estimates (2020).

The following map shows the absolute change in percent vaccinated among those ages 5 to 11 by ZIP code from January 1 to April 30, 2022, with increases ranging from 4.7% to 24.9%. Many ZIP codes with larger increases housed school-based vaccination clinics, such as 22041 (24.9% increase; clinics at Bailey’s, Belvedere, and Glen Forest Elementary Schools) and 22150 (24.8% increase; clinics at Lynbrook, Crestwood, Forestdale, and Springfield Estates Elementary Schools).

**Change in percent ages 5 to 11 vaccinated
with at least one dose, January 1 to April 30, 2022
Fairfax Health District**



Part 6: Fairfax Health District Booster Dose Vaccination

As of May 26, 2022, 495,618 FHD residents have received a third/booster dose. This represents 49.2% of those ages 12 and older, 50.7% of those ages 18 and older, and 73.8% of those ages 65 and older. Administered booster doses can be viewed by race/ethnicity below.

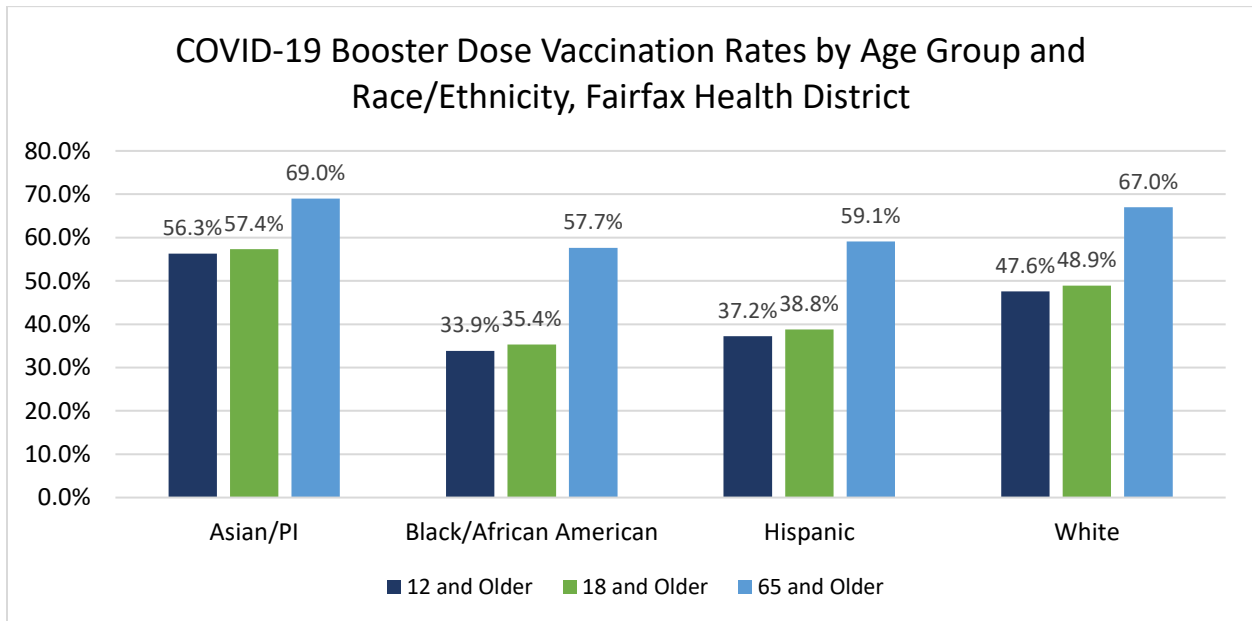
Number of Residents Vaccinated with Booster Dose by Race/Ethnicity		
Race/Ethnicity	Total Number Vaccinated with Booster Dose	Percentage of Total Vaccinated with Booster Dose
Asian/Pacific Islander	123,232	24.9%
Black/African American	35,151	7.1%
Hispanic	57,788	11.7%
Other Race	17,162	3.5%
Unknown	9,674	2.0%
Non-Hispanic White	252,611	51.0%
Total	495,618	100.00%

Data are through May 26, 2022.

Booster dose eligibility by age group has changed over time. During this report period, on January 5, 2022, the CDC recommended booster doses for children ages 12-17 be given five months after initial

vaccination series bringing them in-line with individuals 18 years and older. On May 19, the CDC recommended Pfizer booster doses within the same timeframe for children ages 5 to 11. As of May 26, 1,396 children ages 5 to 11 have received booster doses in Fairfax Health District. With regards to fourth doses, the CDC recommended on March 29 additional boosters for immunocompromised individuals and those ages 50 and older four months after receipt of first booster dose.

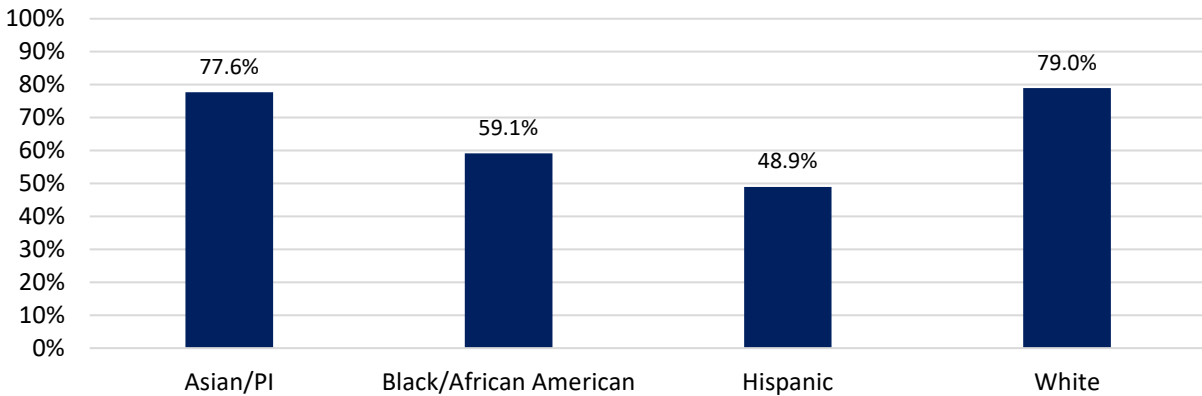
Booster dose vaccination rates by race/ethnicity among all those 12 and older, 18 and older, and 65 and older can be viewed in the chart on the next page.



Data are through May 26, 2022. Vaccination rates by race and ethnicity are lower than overall vaccination rates among ages 65 and older due to the use of the 2020 Bridged-Race Population Estimates (NCHS) for denominators. This dataset estimates a greater number of people in the age category 65 and older compared to the ACS 2020 5-Year population estimates, which are used to obtain overall rates among those ages 65 and older.

An additional way to assess booster dose coverage is to compute booster dose rates among those who completed their primary vaccination series at least 5 months ago (and are therefore eligible for a booster dose at this time). This approach allows us to evaluate coverage among groups that have demonstrated vaccine-seeking behavior, and thus may be more likely to get a booster dose if contacted through navigation or outreach.

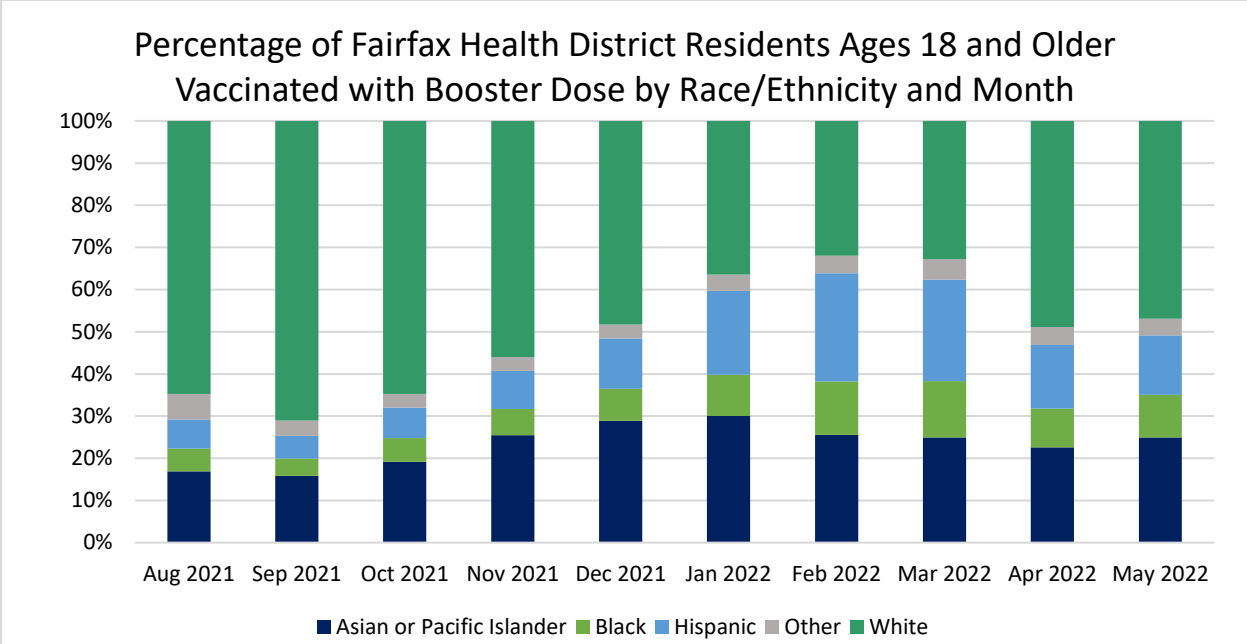
COVID-19 Booster Dose Vaccination Rates Among Eligible¹ Residents Ages 12 and Older, Fairfax Health District



¹Eligibility is defined as having completed primary vaccination series at least 5 months prior (December 26, 2021) to data reporting date (May 26, 2022).

This approach demonstrates that while Hispanic residents have the highest first dose vaccination rate among all race/ethnicity groups, they have the lowest booster doses vaccination rate among those eligible. This continues to be an area of focus for Outreach Team activities.

In Fairfax Health District, increasing proportions of Non-White residents received booster doses by month between September 2021 and February 2022. During February, 12.7% of residents ages 18 and older who received a booster dose identified as Black/African American, 25.7% identified as Hispanic, 25.6% identified as Asian/PI, and 31.9% identified as Non-Hispanic White. Later in Spring 2022, a larger percentage of those vaccinated with booster doses were Non-Hispanic White (48.9% in April and 46.9% in May, see chart below).



Data for May are through May 26, 2022.

As of May 26, 2022, 11,491 FHD residents have received their second booster dose. The largest percentage of these residents were Non-Hispanic White (70.6%), followed by Asian/Pacific Islander (16.6%):

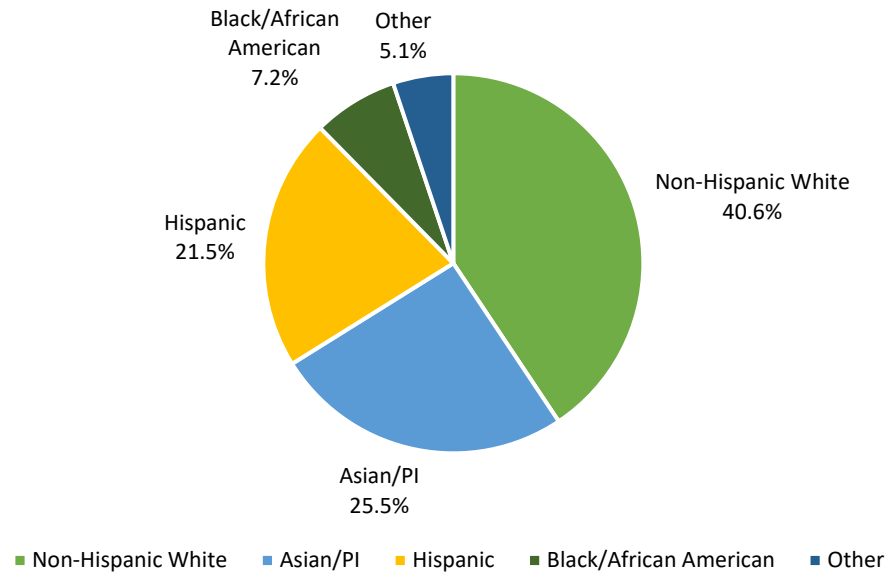
Number of Residents Vaccinated with Second Booster Dose by Race/Ethnicity		
Race/Ethnicity	Total Number Vaccinated with Second Booster Dose	Percentage of Total Vaccinated with Second Booster Dose
Asian/Pacific Islander	1,906	16.6%
Black/African American	530	4.6%
Hispanic	606	5.3%
Other Race	284	2.5%
Unknown	48	0.4%
Non-Hispanic White	8,117	70.6%
Total	11,491	100.0%

Data are as of May 26, 2022.

Part 7: Fairfax Health District Pediatric Vaccination

As of May 26, 2022, a total of 65,204 children ages 5 to 11 have been vaccinated with at least one dose in Fairfax Health District, representing 60.9% of this age group. Race/ethnicity data is known for 87% of these children. Among those with known race/ethnicity, 40.6% of those vaccinated are Non-Hispanic White, 25.5% are Asian/PI, 21.5% are Hispanic, 7.2% are Black/African American, and 5.1% report another race/ethnicity.

Percent Vaccinated by Race/Ethnicity Among Children Ages 5 to 11, Fairfax Health District



Number and Percent of Residents Ages 5 to 11 Vaccinated by Race/Ethnicity			
Race/Ethnicity	Number Vaccinated	Total Population ¹	Percent Vaccinated
White	23,068	50,932	45.3%
Asian/PI	14,468	21,830	66.3%
Hispanic	12,206	22,090	55.3%
Black/African American	4,106	12,065	34.0%
Other	2,914	N/A	N/A
Unknown	8,442	N/A	N/A
Total	65,204	107,111	60.9%

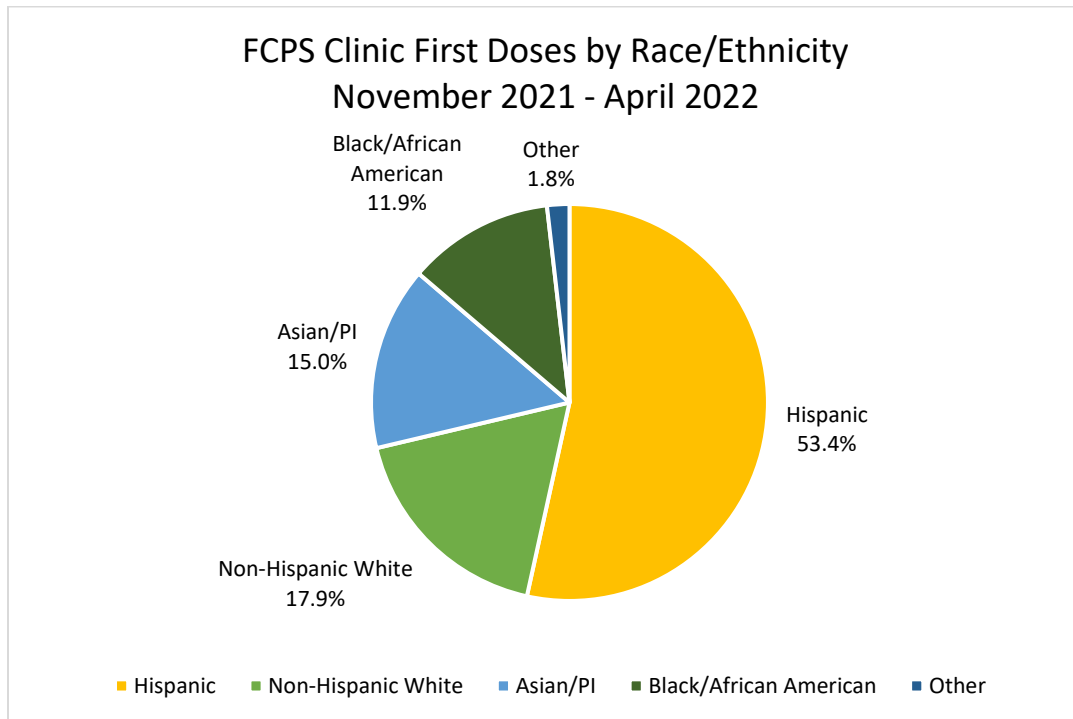
Vaccination coverage was 45.3% for Non-Hispanic White children ages 5 to 11, 55.3% for Hispanic children, and 34.0% for Black/African American children. Among those with known race/ethnicity, Asian and Pacific Islander children have the greatest vaccination coverage (66.3%).

¹Population obtained from the 2020 National Center for Health Statistics (NCHS) Bridged-Race population estimates.

From November 8, 2021 through April 30, 2022, 98 FCPS vaccine equity clinics were held at 46 schools (44 elementary schools and 2 middle schools). From November 2021 through mid-February 2022, FCPS clinics were held after school and required the presence of a parent or guardian. On February 15, 2022, FCHD and FCPS began holding *In Loco Parentis* (ILP) clinics, which take place during school hours and require parent/guardian permission though not their presence. From mid-February through March 2022, the majority of FCPS clinics were ILP clinics.

In total, 6,584 doses were administered through FCPS clinics, with 5,304 doses (80.6%) administered through after-school clinics and 1,280 doses (19.4%) administered through ILP clinics. 3,507 first doses (53.3%), 2,117 second doses (32.2%), and 960 third/booster doses (14.6%) were administered to FCPS students and family members. Among doses administered with age information available (5,362), 4,295 (80.1%) were administered to children ages 5 to 11, and 1,078 (20.1%) were administered to family members and other residents ages 12 and older.

Among FCPS clinic first doses administered to children ages 5 to 11 with known race/ethnicity, 2,307 (53.4%) were administered to Hispanic residents, followed by Non-Hispanic White (17.9%), Asian/Pacific Islander (15.0%), and Black/African American residents (11.9%).



Part 8: Data from People Experiencing Homelessness

Vaccination of homeless services staff and shelter clients began in January 2021. As of May 17, Fairfax County Health Department nurse practitioners serving the homeless population had vaccinated over 1,300 clients and staff at 117 vaccine clinics.

Key Metrics, January 1, 2022 – May 17, 2022

Number of homeless clients and staff vaccinated in on-site vaccine clinics	1,312
Number of homeless clients vaccinated in on-site vaccine clinics	795
Number of staff vaccinated in on-site vaccine clinics	517
Number of on-site vaccine clinics in homeless shelters and QPID sites	117
Percent of homeless population vaccinated as of May 17, 2022*	45.2%

*This metric is obtained biweekly as a point-in-time percentage of those open in the housing management information system who have a record of vaccination.

Part 9: Conclusions

As of June 2022, COVID-19 case rates remain high as new sub-variants of Omicron become dominant. Currently, four different sub-variants (BA.2.12.1, BA.2, BA.4 and BA.5) each contribute more than 8% of COVID infections nationally making it difficult to predict if a further increase in disease is imminent. Vaccination remains the most important protective measure against COVID-19 and is even more critical as uptake of other mitigation measures decreases. For example, since public schools eliminated masking requirements, the number of outbreaks occurring in schools increased several-fold despite rates of disease in the community that were substantially lower than during the winter Omicron peak.

Fairfax County has been very successful achieving high SARS-CoV-2 vaccination rates across the population. The proportion of individuals ages 12 and older who have one or more vaccinations in Fairfax Health District exceeds that of the state overall and, among those 5-11 years old, the difference is much greater with Fairfax Health District exceeding the state average by about 17%. High rates of vaccination along with the lower disease severity associated with Omicron and its sub-variants has resulted in a limited number of hospitalizations and few deaths among health district residents.

Progress also has continued toward greater equity in vaccination. Through the work of the outreach and navigation teams, and the focus on locating vaccine equity clinics in communities and at schools where vaccination rates are lower, gaps in primary vaccination between racial and ethnic groups, and ZIP codes have narrowed. One disparity that has remained despite these efforts is the lower vaccination rate among Blacks/African Americans – primary vaccination of adolescents and adults, vaccination of 5-11 year old children, and receipt of booster doses remain lower than for other racial/ethnic groups. These differences largely reflect greater vaccine hesitancy among the Black/African American population rather than challenges with access. Even at vaccine equity clinics which are specifically targeted to areas with high Black/African American and Hispanic populations and for which there is substantial community outreach, the proportion of vaccinees who are Hispanic is much greater than their proportion in the overall population whereas for Blacks/African Americans it has been similar or less than their population proportion. Continued efforts are being made to address concerns among Blacks/African Americans working with other county agencies and community organizations, including the partners in the Stronger² initiative.

In mid-June, the Food and Drug Administration (FDA) approved vaccines from Pfizer-BioNTech and Moderna for children from 6 months through 4 and 5 years old, respectively. Planning to reach this age group is largely focused on providing vaccine to healthcare providers for administration through their practices. Pharmacists are limited to providing vaccinations to children ages 3 years and above. Vaccinations also will be administered by the health department at the Government Center and the South County Hyland Government Building, as well as by appointment at other health department offices. Equity clinics also are being planned though will play a smaller role due to parent preferences for getting vaccinated by their healthcare provider and the limited number of vaccinators to staff clinics. Outreach and navigation teams, and community organizations will reach out to families and clients to provide information on the availability of vaccine for this age group and to address concerns. Vaccination rates overall and by geography, race and ethnicity will be monitored with targeted

responses based on the findings. In addition, work will continue to promote vaccination of the 5-11 year old group where coverage remains much less than in other age groups and to promote boosters which are important to restore waning effectiveness for disease prevention and to enhance protection against more serious illness and newer variants.

Appendix A: Vaccine Equity Clinic Sites

Shown below are vaccine equity clinic sites from March 2021 through April 2022. Clinic sites with events held in January, February, March, or April 2022 are bolded. A map of vaccine equity clinic sites operating January through April 2022 can be found on page 5.

Vaccinator Organization and Vaccine Equity Clinic Site, March 2021 – April 2022	
Vaccinator Organization	Clinic Site (Bolded Sites Operated January through April 2022)
Neighborhood Health (NH)	<p>Bailey’s Elementary School Bethlehem Baptist Church Sacramento Community Center Woodrow Wilson Library Annandale United Methodist Church Audubon Estates Bailey’s Community Center Bethlehem Baptist Church Columbia Baptist Church Creekside Village Community Center Culmore Family Resource Center Dar Al-Hijrah Islamic Center Expobol at Pender Business Park Fairmont Gardens First Christian Church of Falls Church Graham Road Community Center Groveton Baptist Church Groveton Elementary School Gum Springs Community Center Kidst Slassie Ethiopian Orthodox Church Knights of Columbus Lerner Morningside Community Mount Vernon High School Oakview Gardens Apartments Stony Brook Apartments Vienna Presbyterian Church Woodlawn Garden Apartments</p>
Safeway (SW)	<p>Basilica School of St. Mary Bethlehem Baptist Church Cedar Ridge Apartments Chilcano’s RestoBar Crescent Apartments Culmore Family Resource Center Fairmont Gardens First Baptist Church of Springfield First Baptist Church of Vienna Grace Covenant Church Graham Road Community Center</p>

	<p> Groveton Baptist Church La Biblia Church Madina Islamic Center Springfield Town Center Stonegate Village Apartments The Meadows Condominiums Willston Multicultural Center Bailey’s Community Center Cathy Hudgins Community Center at Southgate Centre Ridge Elementary School Centreville High School Centreville United Methodist Church Culmore United Methodist Church Dar Al-Hijrah Mosque El Grande Shopping Plaza Expobol at Pender Business Park Falls Church City Community Center Falls Church Community Center Glasgow Middle School Gum Springs Community Center Gunston Elementary School Hope Lutheran Church Indian Independence Celebration James Lee Community Center Korean Central Presbyterian Church Lee Overlook Apartments Lerner Morningside Community Lincolnia Senior Center Madison Hair Gallery Masjid Noor Mosque Mott Community Center Mount Olive Baptist Church Mount Vernon Square Mount Vernon Woods Park New Grand Mart Shopping Plaza Original Mt. Vernon High School Ossian Hall Parkridge Apartments Providence Community Center Sacramento Community Center South County Building Southgate Community Center St. John Neumann Church St. Mark’s Church Wedgewood Apartments </p>
Healthworks	<p> Healthworks Herndon Healthworks Reston </p>

	<p>Adam’s Compassionate Health Care Clinic Berkdale Apartments Centreville Immigration Forum</p>
<p>Field Vaccination Team (FVT) – Open Events</p>	<p>Annandale United Methodist Church Bailey's Community Center Boro Station Conference Center BPSOS-ENCV Centreville United Methodist Church Chantilly Youth Association Field House Chilcano’s RestoBar Columbia Baptist Church Cosmopolitan Apartments at Lorton Station Culmore Family Resource Center Eden Center Fairfax Connector - Alliance Drive Fairfax Connector – Lorton Station Fairfax County Detention Center Gum Springs Community Center Islamic Center of Northern Virginia James Lee Community Center Lincolnia Senior Center Maid Bright Megamart Mount Olive Baptist Church Mount Vernon High School Park Place at Van Dorn Salvation Army Second Story at Springfield Resource Center Service Source Lorton Skyline Plaza Vistas of Annandale Annandale High School Bent Tree Apartments Braddock Board of Supervisors Buddhist Tzu Chi Foundation City of Fairfax Regional Library Creekside Village Community Center Cri (Choice.Respect.independence) Culmore United Methodist Church Emmanuel Worship Center Fairfax Connector Herndon Division First Baptist Church of Springfield Four Seasons Apartments Glasgow Middle School Harvest Assembly Church Herndon Community Center Herndon Elementary School</p>

	<p> Herndon Fortnightly Library Hunter Mill Government Center Huntington Fairfax Connector John Marshall Library Justice High School Kings Park Comm. Library La Biblia Church Ministries Lerner Springs at Reston Liberty Middle School Lutie Lewis Coates Elementary School Maid Bright Home Cleaning Service Martha Washington Library Meadows of Chantilly Mount Vernon Ladies' Association Mount Vernon Government Center Mount Vernon Woods Elementary School NovaSalud Oakton Library Oakview Garden Apartments Original Mount Vernon High Parkridge Garden Apartments Reston Station Richard Byrd Library Service Source Springfield Springfield Government Center Springfield Masonic Lodge Sully District Government Center Sully Senior Center Taste of Falls Church at City of Falls Church City Hall The Lamb Center Thomas Jefferson Library Tinner Hill Music Festival United Christian Parish Virginia DMV - Fairfax/Westfields Virginia DMV - Franconia Willston Multicultural Center Woodrow Wilson Library Xsport Fitness Merrifield </p>
<p>Field Vaccination Team (FVT) – Closed Events for Staff of Local Businesses</p>	<p> Barcelona Wine Bar BoatUS Insurance Agency Buffalo Wild Wings Happy Thai Restaurant Higher Horizons Day Care Center International Gourmet Foods KinderCare Learning Center Mee Ga Korean BBQ Rainbow Children Center </p>

	<p> Señor Tequila's Takohachi Tomo Sushi Applebee's on Richmond Highway Aroma Café Belle Haven Pizzeria Chick-Fil-A Reston Chipotle Chipotle Mexican Grill on Richmond Highway Dona Bessy's Pupuseria El Buen Sazon Restaurant El Paso Mexican Restaurant Food Lion Grocery Store of Lorton Fresh World Supermarket Hampton Inn & Suites – Herndon-Reston Huntington Fairfax Connector Vaccine Clinic IHOP Richmond Highway Nordstrom at Tyson's Corner Paris Baguette Restaurant Peri Peri Restaurant Pho & Grill Burrito Bowls Restaurant Popeye's Louisiana Kitchen Restaurant at Richmond Highway Roseina's Restaurant Rosita's Restaurant Shrimp Shack Restaurant Silver Diner Fair Oaks Silver Diner Merrifield Silver Diner Reston Silver Diner Springfield Supreme Thai Bistro/India Bazaar </p>
<p>Fairfax County Public Schools (FCPS)</p>	<p> Bailey's Elementary School Bailey's Upper Elementary School Belvedere Elementary School Bren Mar Park Elementary School Brookfield Elementary School Bucknell Elementary School Bull Run Elementary School Clearview Elementary School Coates Elementary School Crestwood Elementary School Daniels Run Elementary School Deer Park Elementary School Dogwood Elementary School Floris Elementary School Forestdale Elementary School Fort Hunt Elementary School Glen Forest Elementary School </p>

	Graham Road Elementary School Groveton Elementary School Gunston Elementary School Hollin Meadow Elementary School Hunter Woods Elementary School Hutchison Elementary School Hybla Valley Elementary School Lees Corner Elementary School Little Run Elementary School London Towne Elementary School Lorton Station Elementary School Lynbrook Elementary School Mark Twain Middle School Mount Vernon Woods Elementary School Parklawn Elementary School Riverside Elementary School Rose Hill Elementary school Springfield Estates Elementary School Westlawn Elementary School White Oak Elementary School Whitman Middle School Woodlawn Elementary School Woodley Hills Elementary School Annandale Terrace Elementary School Centreville Elementary School Coates Elementary School Franklin Sherman Elementary School Keene Mill Elementary School Lynbrook Elementary School Oak Street Elementary School Providence Elementary School Shrevewood Elementary School
AshBritt	Bailey's Community Center Gum Springs Community Center
Mason and Partners (MAP)	Audubon Estates Centreville Immigration Forum Lafayette Apartments Lerner Morningside Community Springfield Family Resource Center
Adam's Compassionate Healthcare Network (ACHN)	Adam's Compassionate Health Care Clinic
Chinese American Community Health Services (CACHS)	Chinese Community Health Services
Inova Cares Clinic for Families (ICCF)	Inova Cares Clinic for Families