



COVID-19 Update

Fairfax Area Commission on Aging

Colin Brody, MS, NRP
Assistant Public Health Emergency Management Coordinator
Fairfax County Health Department

March 16, 2022



The situation changes daily.

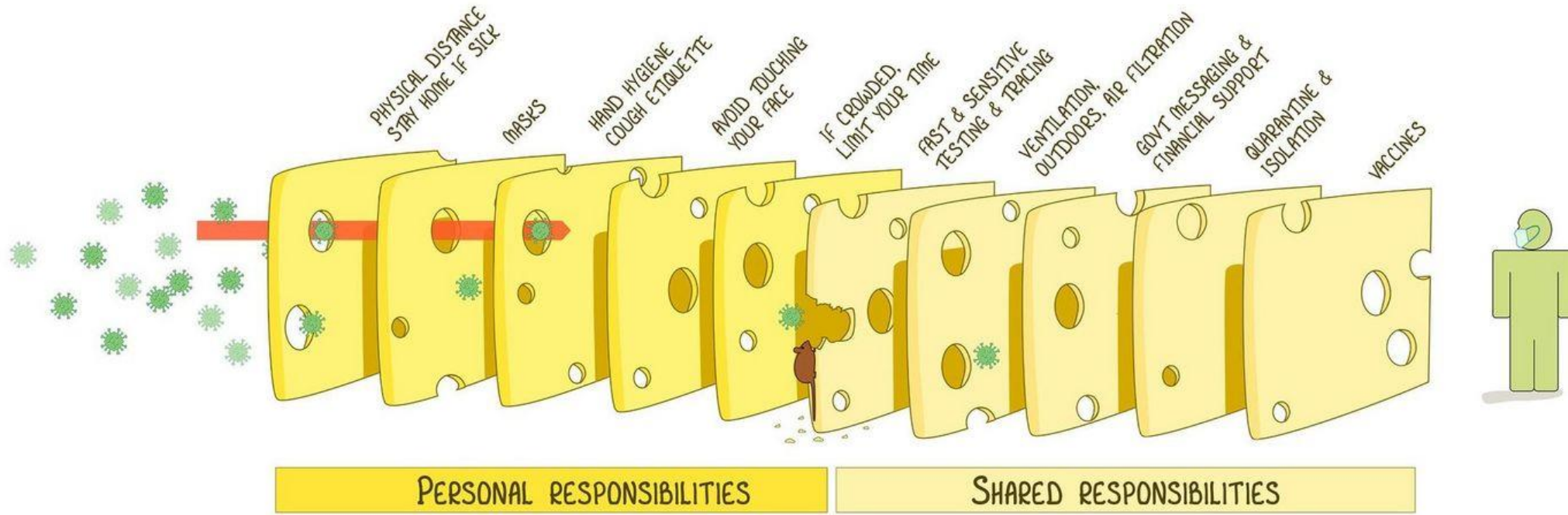
This presentation includes our best current knowledge.

As information changes, we will provide updates.

www.fairfaxcounty.gov/covid19/

THE SWISS CHEESE RESPIRATORY VIRUS PANDEMIC DEFENCE

RECOGNISING THAT NO SINGLE INTERVENTION IS PERFECT AT PREVENTING SPREAD



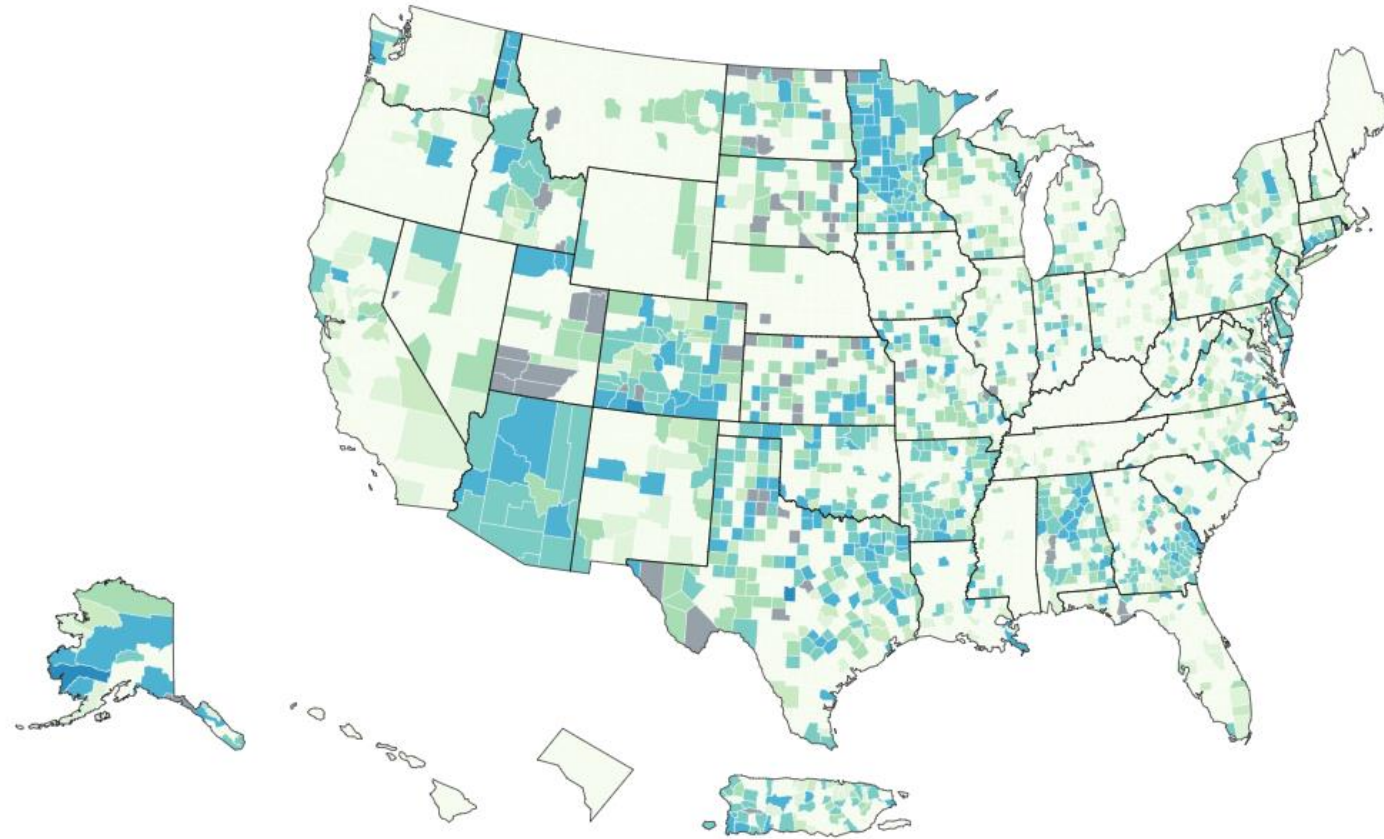
EACH INTERVENTION (LAYER) HAS IMPERFECTIONS (HOLES).
 MULTIPLE LAYERS IMPROVE SUCCESS.

IAN M MACKAY
 VIROLOGYDOWNUNDER.COM
 WITH THANKS TO JODY LANARD, KATHERINE ARDEN & THE UNI OF QLD
 BASED ON THE SWISS CHEESE MODEL OF ACCIDENT CAUSATION, BY JAMES T REASON, 1990
 VERSION 3.0
 UPDATE: 24OCT2020



Epidemiology Update

Percent Change in Cases (Last 7 Days)



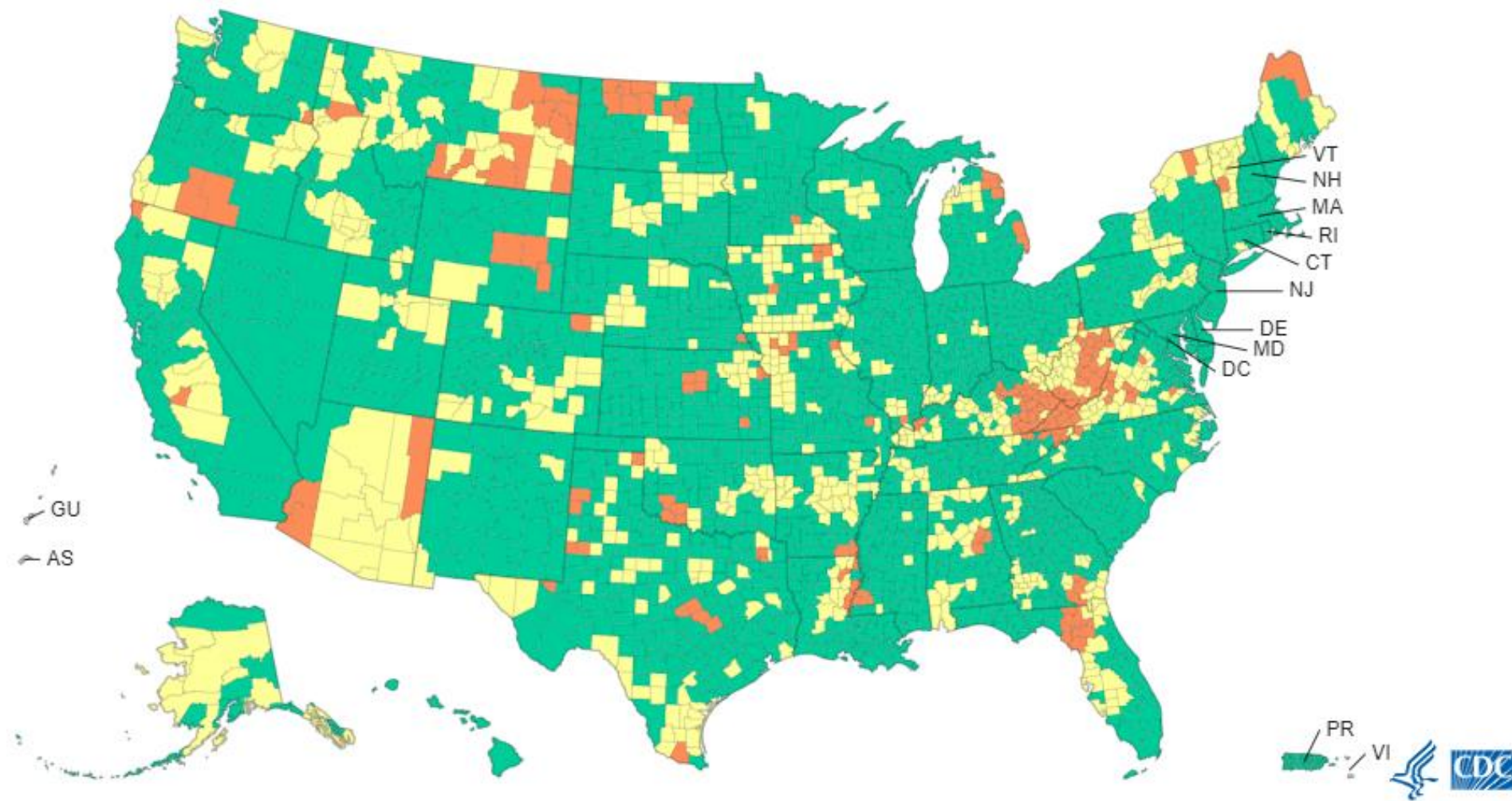
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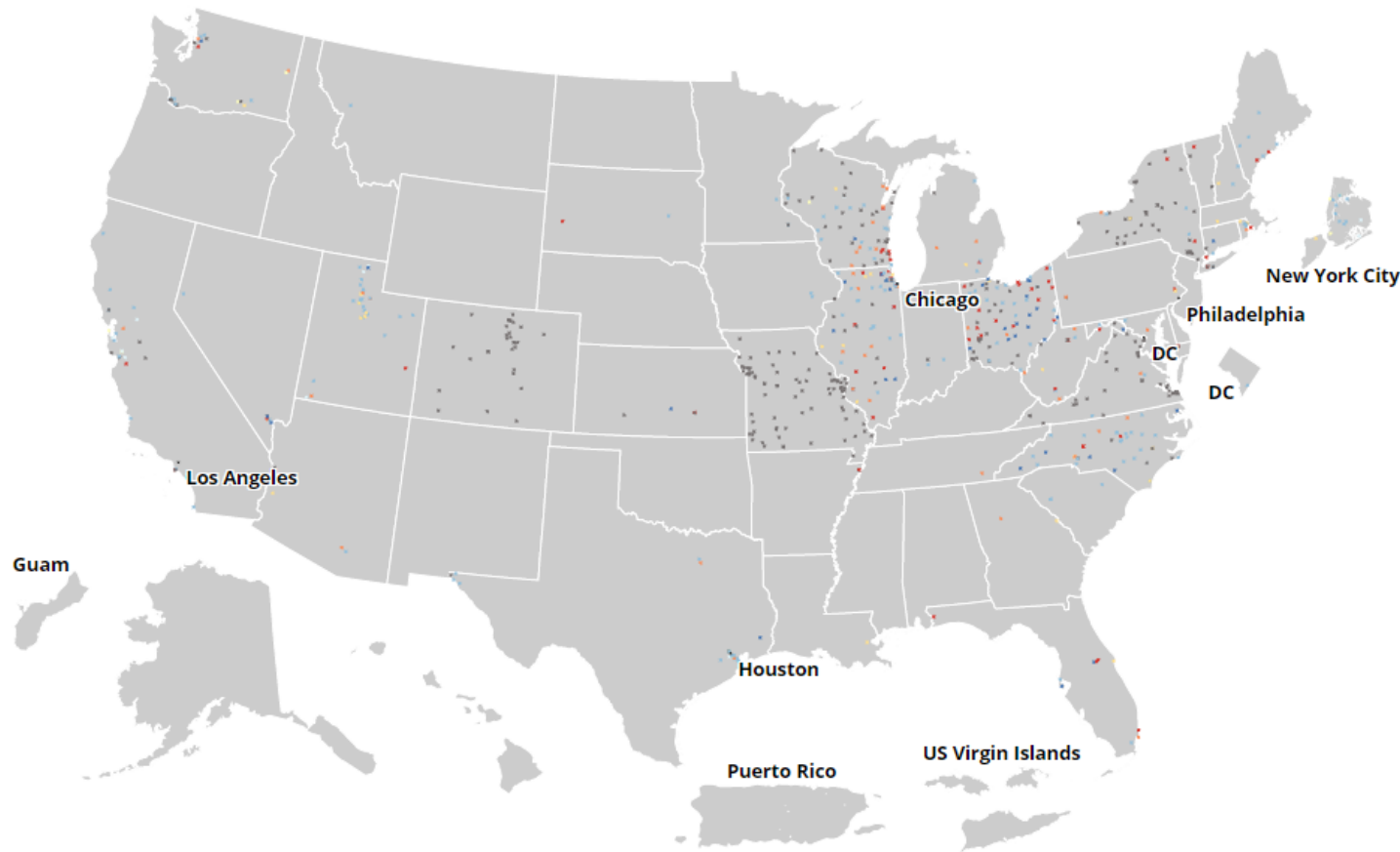
COVID-19 Community Levels (CDC)

New COVID-19 Cases Per 100,000 people in the past 7 days	Indicators	Low	Medium	High
Fewer than 200	New COVID-19 admissions per 100,000 population (7-day total)	<10.0	10.0-19.9	≥20.0
	Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)	<10.0%	10.0-14.9%	≥15.0%
200 or more	New COVID-19 admissions per 100,000 population (7-day total)	NA	<10.0	≥10.0
	Percent of staffed inpatient beds occupied by COVID-19 patients (7-day average)	NA	<10.0%	≥10.0%

Community Levels by County



SARS-CoV-2 RNA wastewater levels, 15-day % change by sewershed



15-day % change category	Num. sites	% sites	Category change in last 7 days
-100%	41	10	173%
-99% to -10%	192	48	-39%
-9% to 0%	15	4	0%
1% to 9%	8	2	-43%
10% to 99%	35	9	-43%
100% to 999%	48	12	-9%
1000% or more	62	15	100%

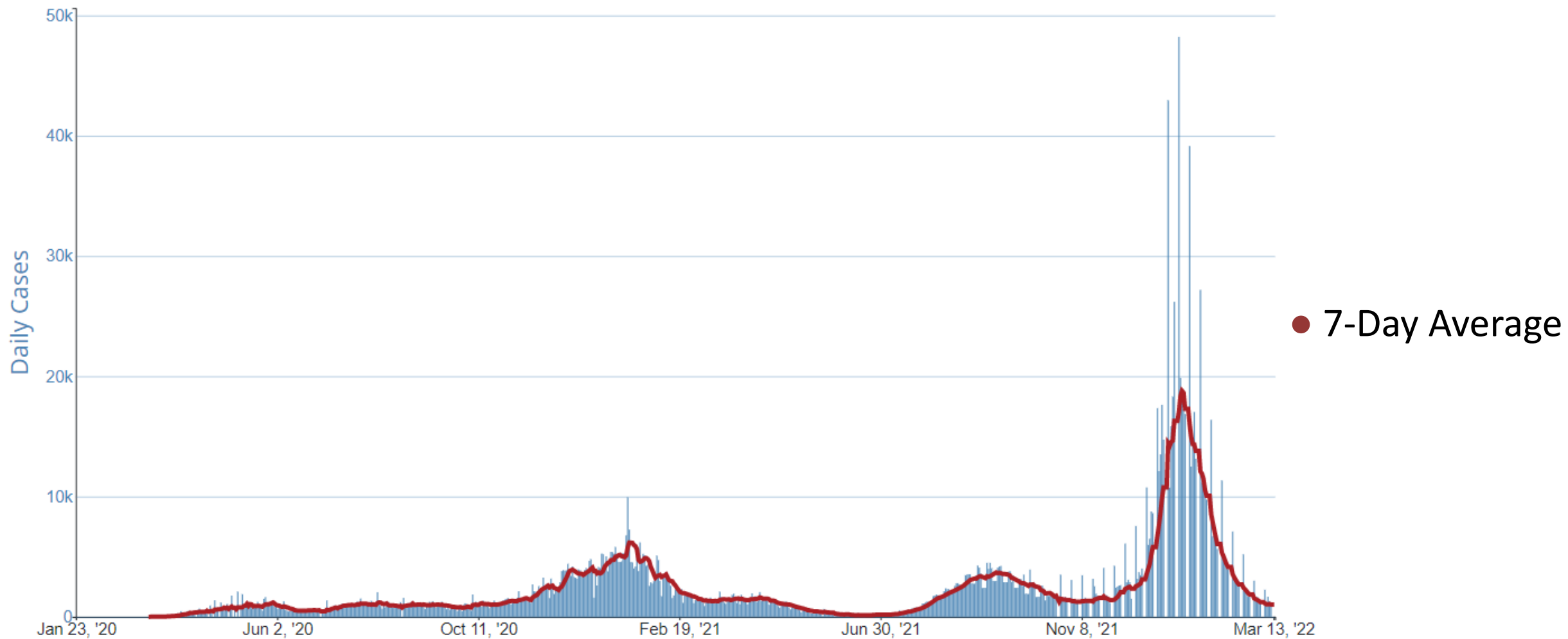
Total sites with current data: 401

Total number of wastewater sampling sites: 688





Virginia Epidemic Curve



Virginia Hospital Status

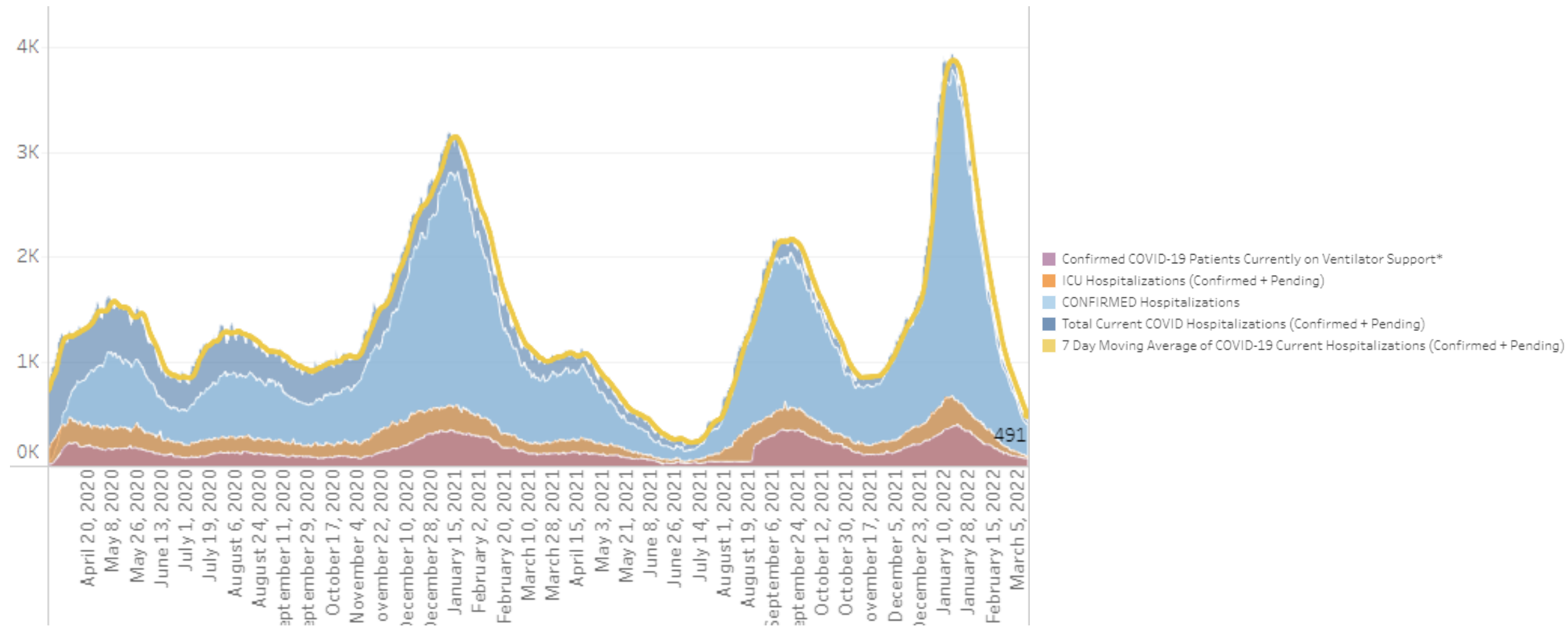
COVID-19 Inpatient Census		
Hospitalized (Confirmed + Pending)	ICU	Ventilated
433	95	75

Acute and Critical Access Hospital Bed Availability			
Adult Non-ICU	Pediatric Non-ICU	Adult ICU	Pediatric ICU
1,726	93	325	259



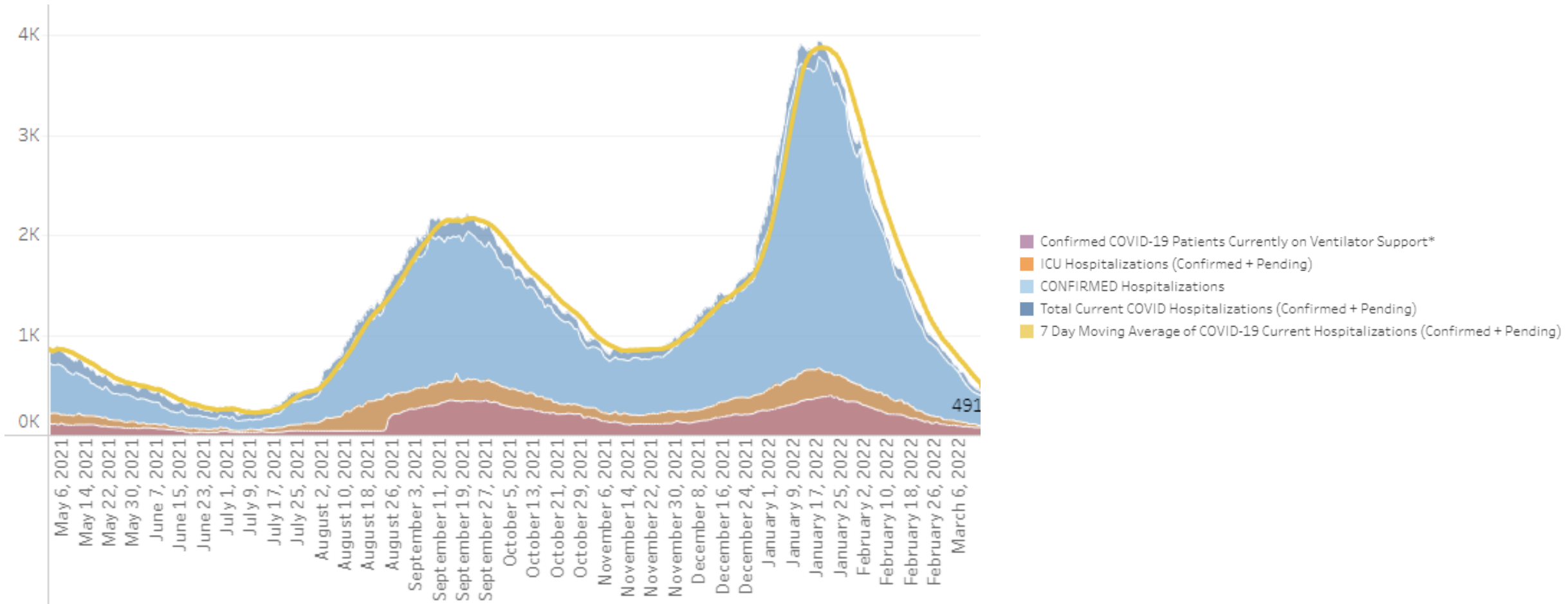
Source: Virginia Hospital & Healthcare Association

Virginia Hospitalization Trends (Entire Pandemic)

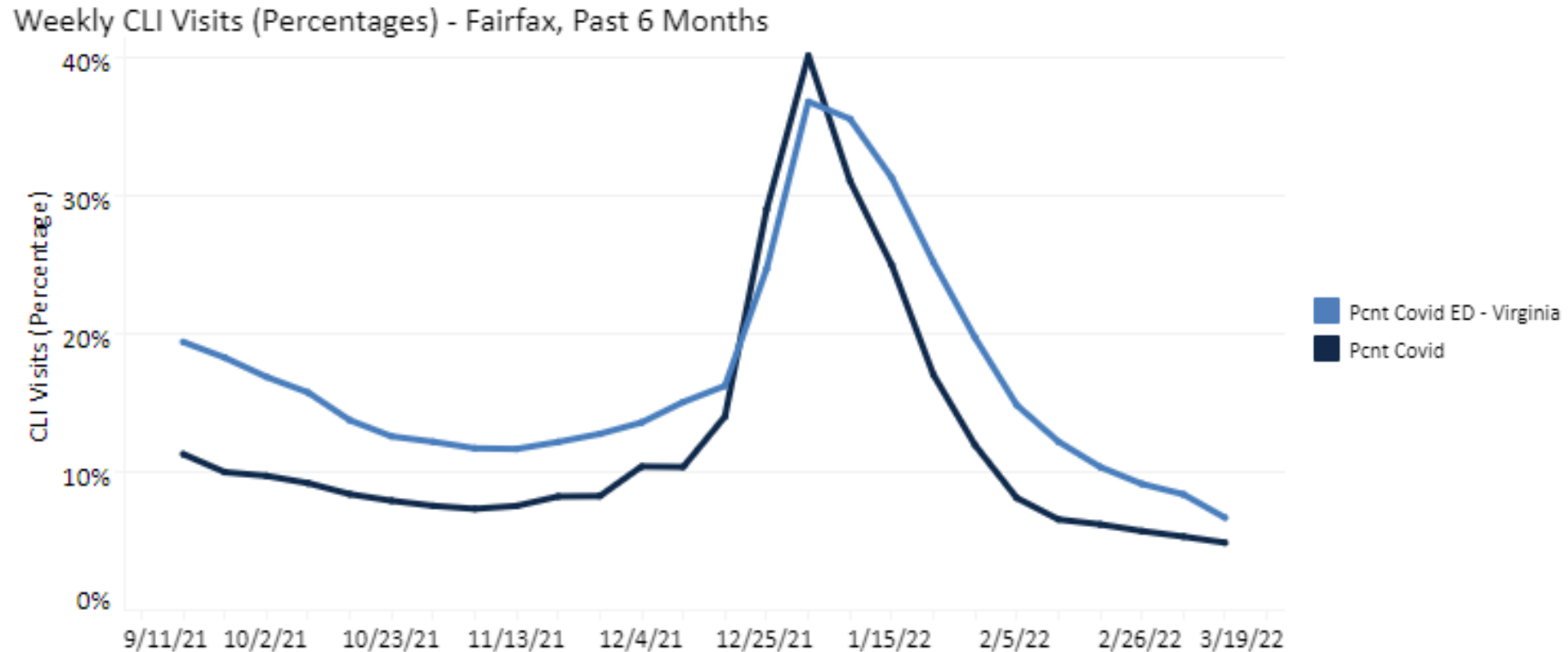




Virginia Hospitalization Trends (Previous 10 Months)



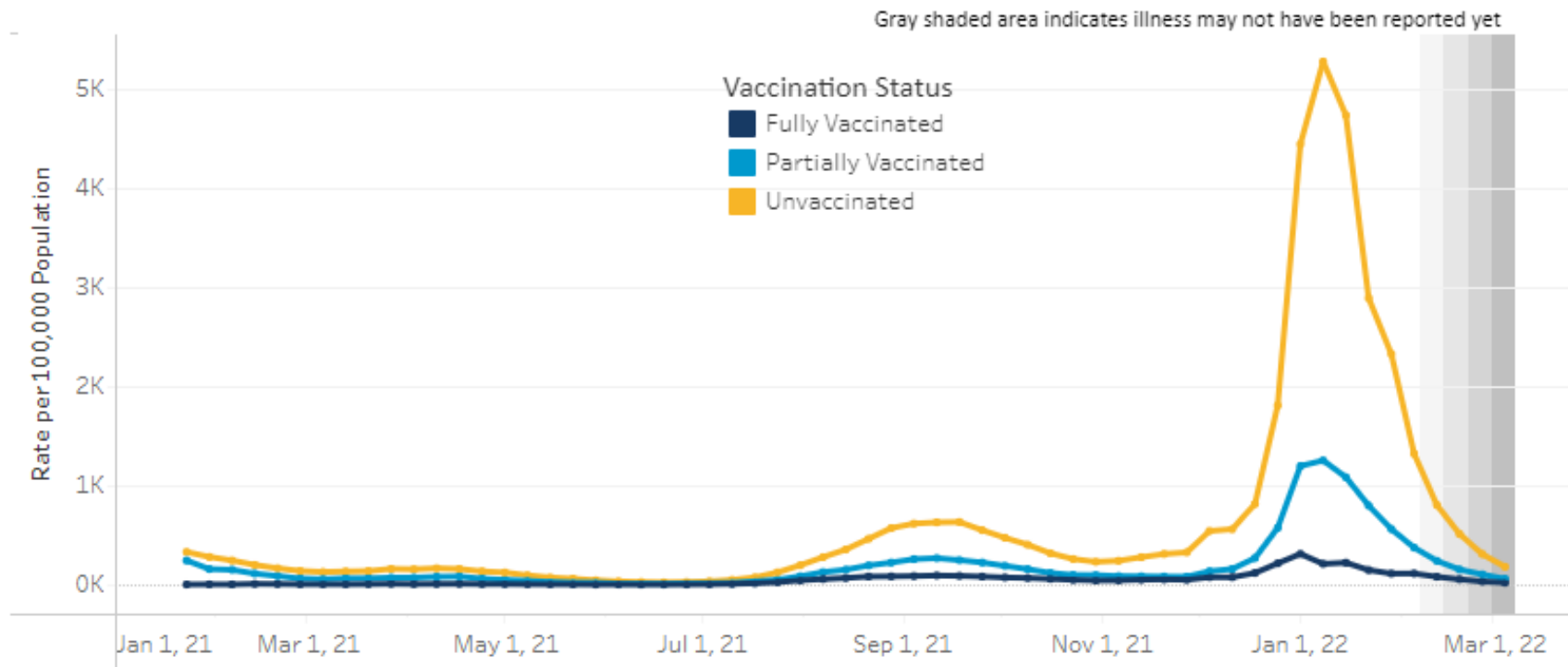
Fairfax Weekly CLI Visits (Emergency Department)



VDH monitors ED visits to measure the number of patients seeking care for a COVID-like illness (CLI). Visits for CLI include those noting symptoms of fever + respiratory complaint (e.g. fever with cough, shortness of breath, or difficulty breathing), loss of taste or smell, those with a COV or severe respiratory diagnosis, or visits that mention COVID-19 as the reason for visit (e.g. COVID-19 screening, exposure, or testing). CLI visits do not include COVID-19 vaccination visits or visits with an influenza diagnosis.

Virginia Cases by Vaccination Status

Between January 17, 2021 and March 5, 2022 unvaccinated people were hospitalized for COVID-19 at a rate **4.1 times** that of fully vaccinated people and **1.9 times** that of partially vaccinated people.



Breakthrough Cases

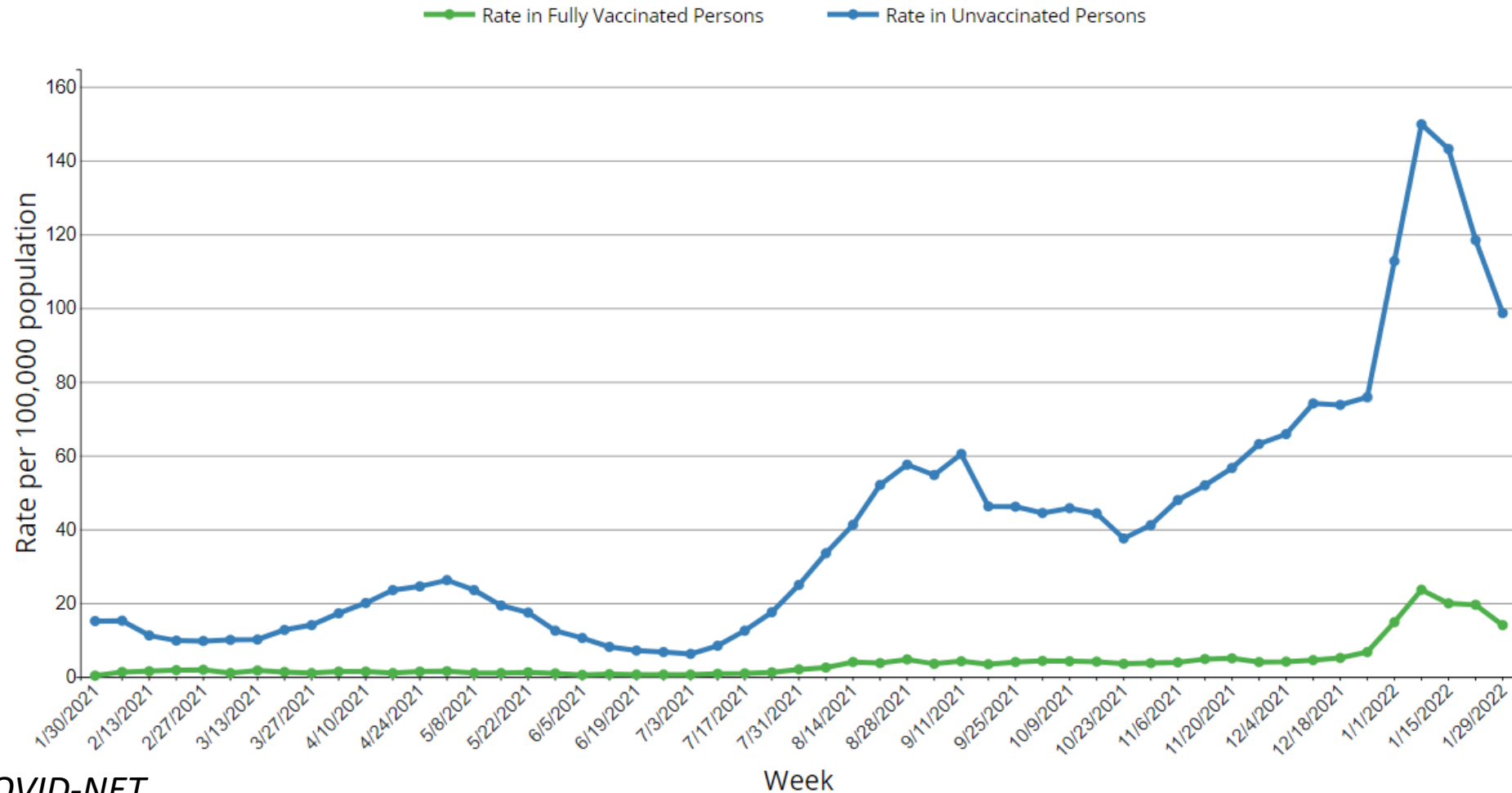
- COVID-19 vaccines are effective, but even with effective vaccines, a small percentage of people who are fully vaccinated will still get COVID-19 if they are exposed to the virus.
 - No vaccine is 100% effective
 - Breakthrough cases occur for all vaccine preventable conditions
 - Most breakthrough infections are mild
- Vaccines are working as they should— they are preventing severe illness, hospitalizations, and death

Most hospitalizations and deaths continue to be among the unvaccinated.

% of Fully Vaccinated People Who Developed COVID-19	% of Fully Vaccinated People Who Were Hospitalized for COVID-19	% of Fully Vaccinated People Who Died of COVID-19
2.8%	0.070%	0.0297%



Age-Adjusted Rates of COVID-19 Hospitalizations by Vaccine Status (Adults ≥ 18 Years, January 2021 – January 2022)



Source: CDC COVID-NET



Response Updates

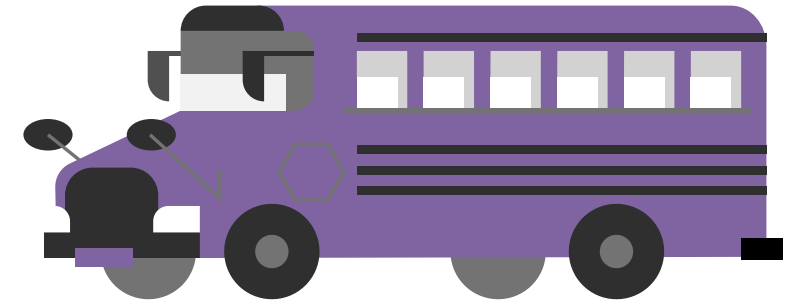
COVID-19 Response By The Numbers

- FCHD’s Incident Management Team activated on 1/22/20. The IMT has been activated for **784 days**.
- **552** FCHD and contract staff are still activated
- **1,452** MRC volunteers have been deployed for **66,679** hours in total
- **2,843** homebound and LTCF residents have been vaccinated through the Medically Fragile Task Force
- FCHD Public Health Laboratory has performed **62,959** COVID-19 diagnostic tests for FHD and NoVA
- **43,436** individuals have been served through our Community Health Division
- 817 media inquiries since January 2020
- 628,149 calls answered by the FCHD call center between 2/26/2020 and 2/2/2022



Changes to FCHD COVID-19 Case Investigations

Following an announcement by VDH, FCHD staff are prioritizing their investigative and containment response to COVID-19 case investigations in **long-term care facilities** and **other congregate settings, healthcare settings, outbreak situations** and **other high-risk settings**.



The department will no longer conduct general public, individual case investigations. Health department school health staff, however, will **continue to partner with K-12 schools and daycare facilities** on prevention strategies to reduce spread in schools.



Vaccine Update

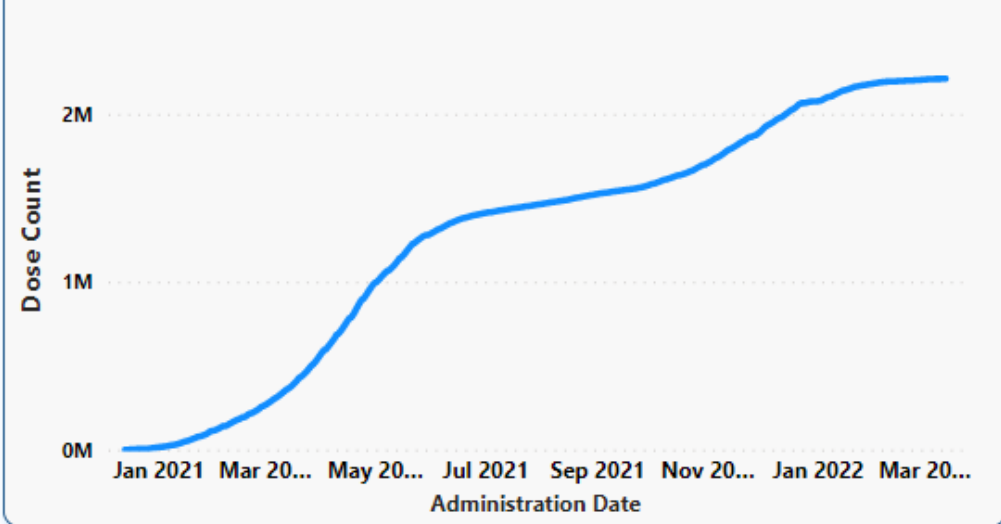
Fairfax Health District Vaccine Dashboard

Total Doses Administered

2,210,467

Among Fairfax Health District Residents

A running total of all doses* by the day they were given to Fairfax Health District residents.



* Includes first, second and third doses

RECEIVED AT LEAST ONE COVID-19 VACCINE DOSE*

964,619	90.6% of people 18 years and older
Count	81.5% of all Fairfax Health District residents
<i>* People vaccinated with one dose of a two-dose vaccine or one dose of a single dose vaccine.</i>	

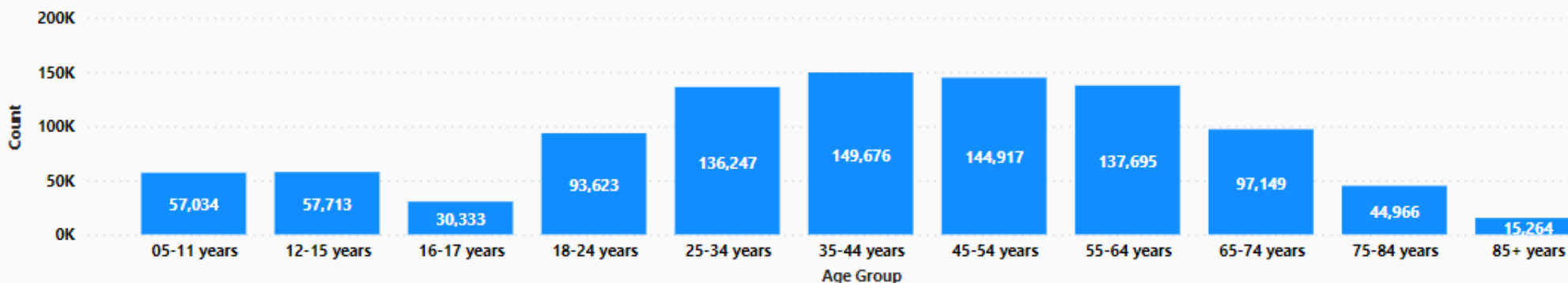
FULLY VACCINATED**

871,278	82.4% of people 18 years and older
Count	73.6% of all Fairfax Health District residents
<i>** People vaccinated with two doses of a two-dose vaccine or one dose of a single dose vaccine.</i>	

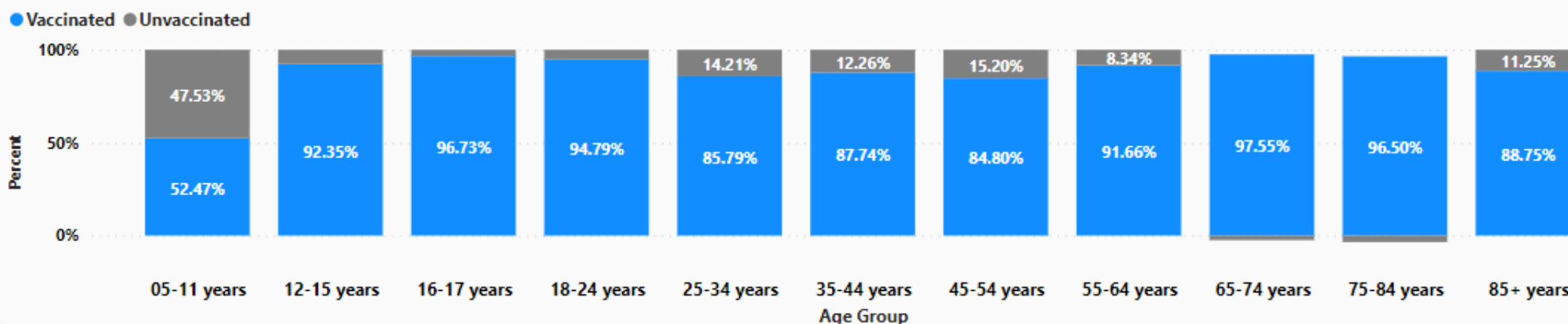
All vaccination data are from the Virginia Department of Health (VDH) - Virginia Immunization Information System. Numbers differ from the VDH vaccination dashboard, which reports data separately for Fairfax County and the cities of Fairfax and Falls Church.

Fairfax Health District Vaccination Rates

Count of Fairfax Health District residents who have received at least one dose*, by age group



Percent of Fairfax Health District residents who have received at least one dose*, by age group



* People vaccinated with one dose of a two-dose vaccine or one dose of a single dose vaccine.



COVID-19 Booster Shots

	Who should get a booster?	When to get a booster:	Which booster can you get?
Pfizer-BioNTech	Everyone 12 years and older	<ul style="list-style-type: none"> At least 5 months after completing your primary COVID-19 vaccination series 	<ul style="list-style-type: none"> Pfizer-BioNTech or Moderna (mRNA COVID-19 vaccines) are preferred in most* situations Teens 12–17 years old may only get a Pfizer-BioNTech COVID-19 vaccine booster
Moderna	Adults 18 years and older	<ul style="list-style-type: none"> At least 5 months after completing your primary COVID-19 vaccination series 	<ul style="list-style-type: none"> Pfizer-BioNTech or Moderna (mRNA COVID-19 vaccines) are preferred in most* situations
Johnson & Johnson's Janssen	Adults 18 years and older	<ul style="list-style-type: none"> At least 2 months after receiving your J&J/Janssen COVID-19 vaccination 	<ul style="list-style-type: none"> Pfizer-BioNTech or Moderna (mRNA COVID-19 vaccines) are preferred in most* situations

Pediatric Pfizer-BioNTech Vaccine

- Pfizer is planning to submit an application to FDA for use of its 6 month-to-4 year vaccine in small children.
- This will be a different vial than the formulation for adults (12+) and older children (5-11). Once open, vials must be used within 12 hours.
- FDA's Vaccines and Related Biological Products Advisory Committee (VRBPAC) will likely meet in late April and CDC's Advisory Committee on Immunization Practices (ACIP) will meet following issuance of an Emergency Use Authorization (EUA) by FDA





Questions?