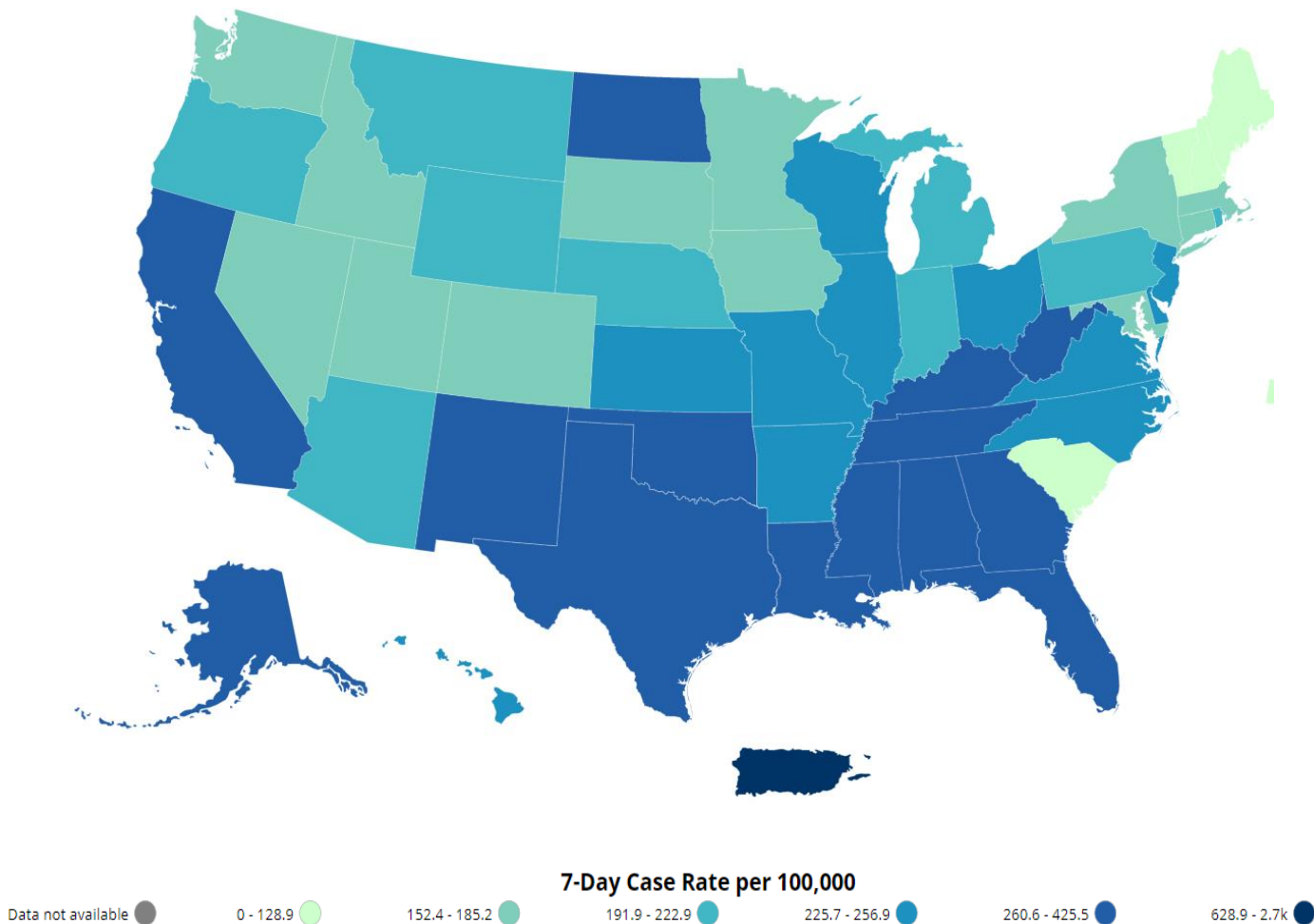

Virginia COVID-19 Surveillance Data Update

August 11, 2022



US COVID-19 7-Day Case Rate per 100,000, by State/Territory

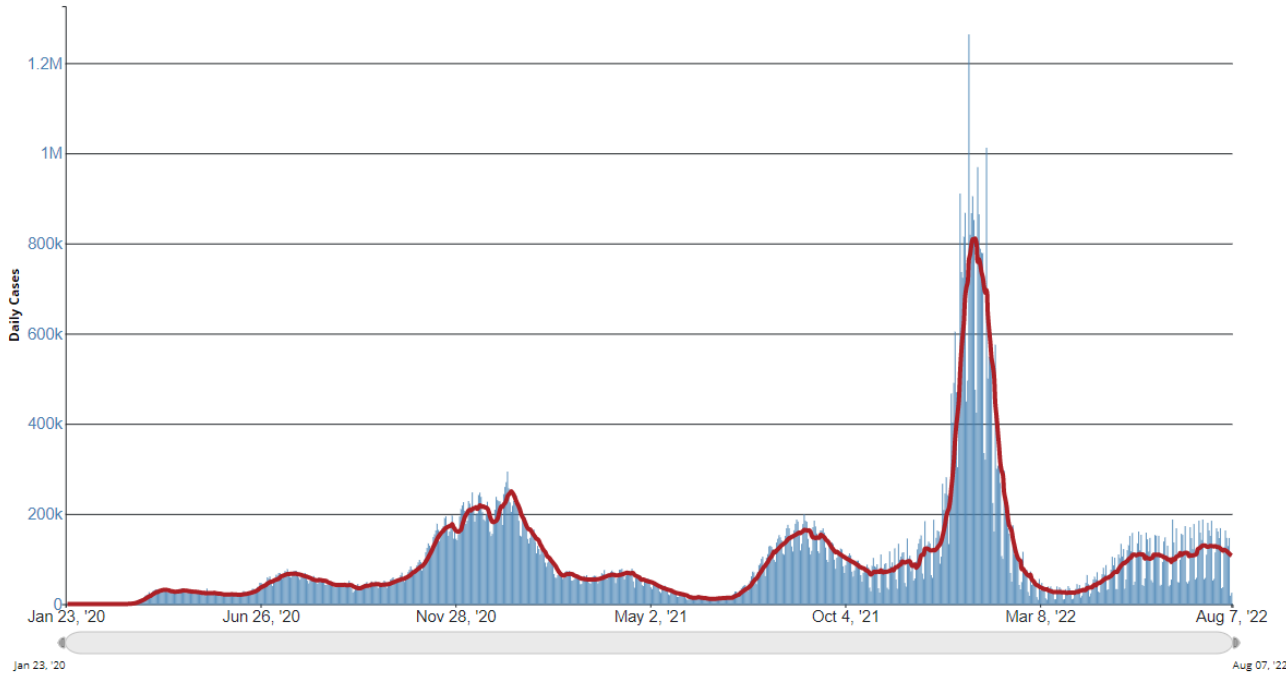


7 Day Case Rates per 100k

US and Virginia	
United States	242.1 (-6.9%)
Virginia	237.7(-4.9%)
Virginia's Neighboring States	
Rates Lower than Virginia	
North Carolina	225.7 (-30.6%)
Maryland	182 (-3.7%)
District of Columbia	128.9 (-28.8%)
Rates Higher than Virginia	
Kentucky	338.8 (+14.8%)
West Virginia	337.5 (-4.4%)
Tennessee	267.6 (-5.1%)
States with the Highest Case Rates	
Alaska	351.7 (+26.5%)
Kentucky	338.8 (+14.8%)
West Virginia	337.5 (-4.4%)

* Significant % change is likely due to a lag or sudden influx in data reporting

Daily Trends in Number of COVID-19 Cases, United States

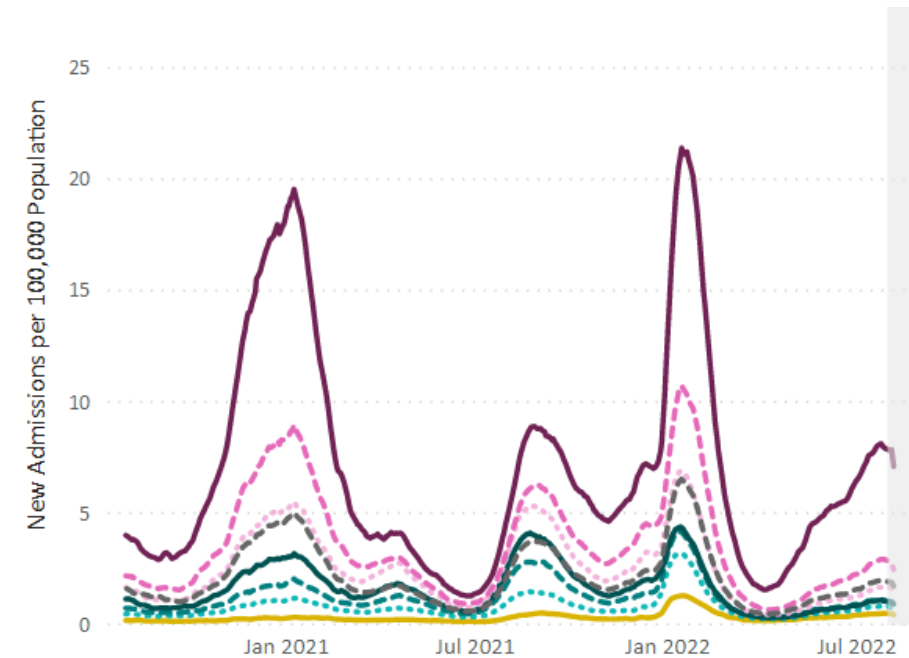


* Compared to last week:

- **Cases decreased** to 107,615 per day (-9.1%)
- **Hospitalizations decreased** to 5,564 per day (-11.4%)

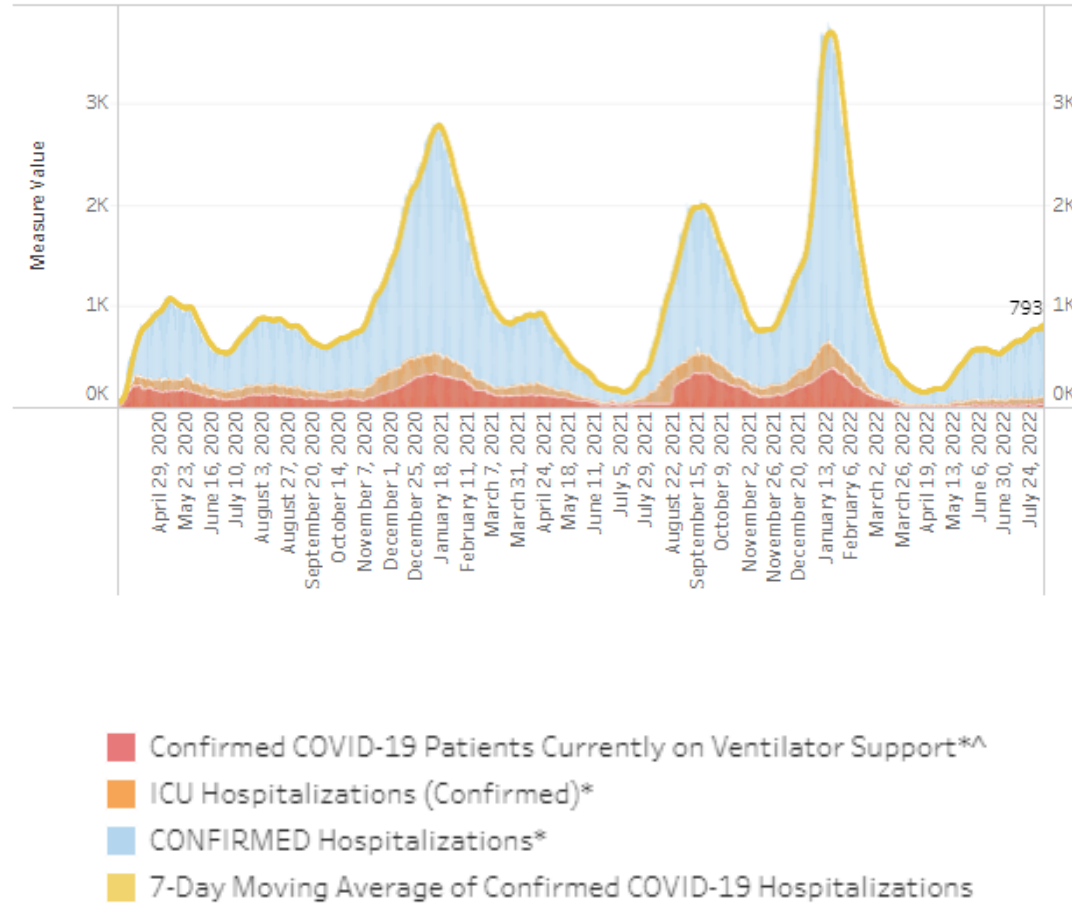
Deaths stayed at 392 per day (0%)

New Admissions of Patients with COVID-19, United States, By Age Group



Age Group — 0 - 17 Years — 18 - 29 Years — 30 - 39 Years — 40 - 49 Years — 50 - 59 Years — 60 - 69 Years — 70+ Years - - - All Ages

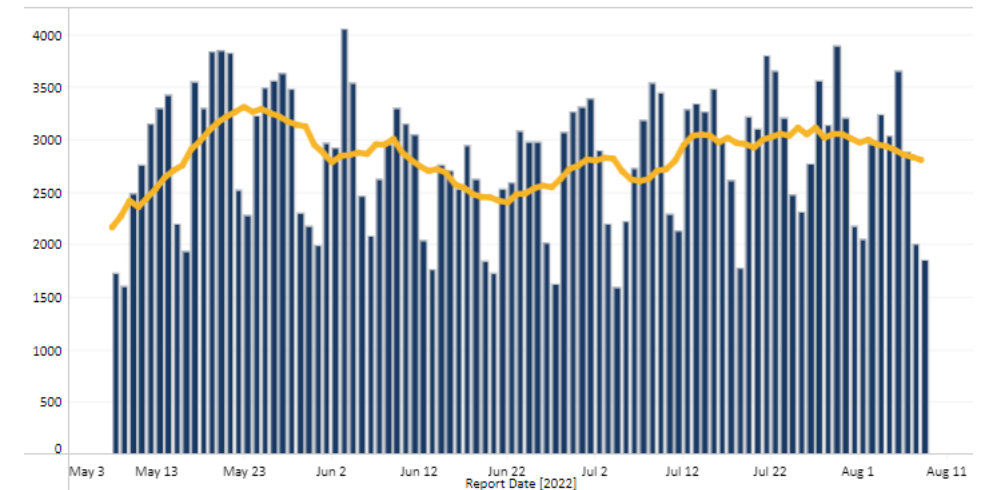
COVID-19 Hospitalization Trends, Virginia



* Compared to last week:

- **Cases decreased** to (7-day MA) 2,777 per day (-7.3%)
- **Hospitalizations increased** to 785.3 from 774.7 per day (+1.4%)
- **ICU hospitalizations increased** to 106 from 103 (+2.9%) (confirmed; not 7-day MA)
- **7-Day moving average of new deaths** is 17

Total Cases by Date Reported, Virginia



Metrics date: 8/8/2022

New cases per 100k within the last 7 days

% Positivity 7-day moving average

COVID-like ED visits rate per 100k

Central

255



Eastern

194.4



Far Southwest

400.8



Near Southwest

278.8



Northern

201.3



Northwest

224.9



23.7%



24.7%



33.0%



28.9%



22.4%



22.0%



20.1



12.7



19.1



17.4



7.6



12.3



Burden	Level 0	Level 1	Level 2	Level 3	Level 4
New Cases	<10	10-49		50-100	>100
% Positivity	<3	3-5	5-8	8-10	>10
CLI ED Visits	<4		4-5.9		≥6

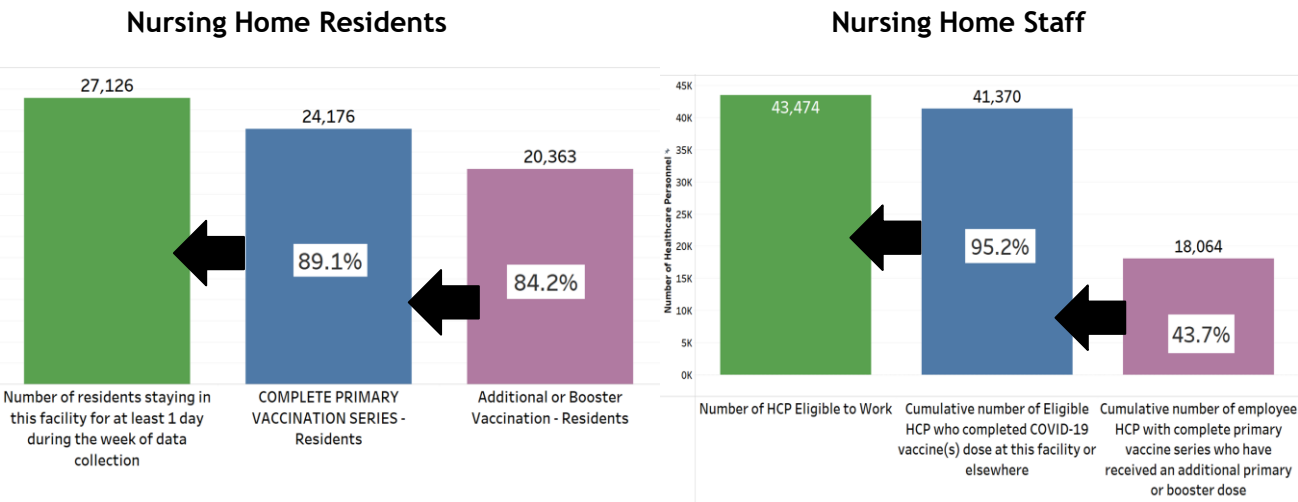
Symbol	Trend
↑	Increasing
↓	Decreasing
○	Fluctuating

COVID-19 Burden in Virginia LTCFs

Key Trends

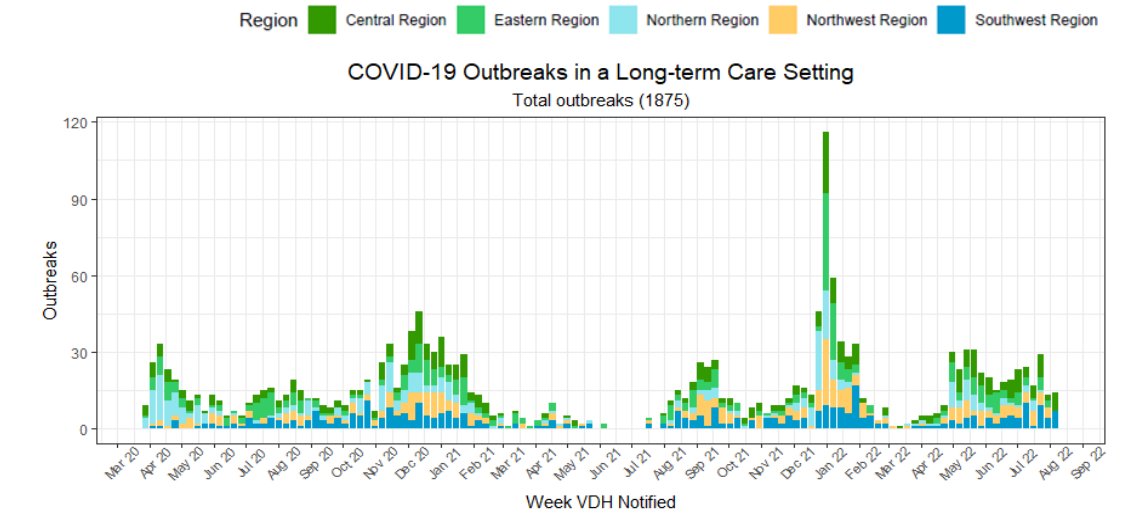
- There were 97 LTCF COVID-19 outbreaks reported in the past 30 days: 12 in Eastern, 27 in Central, 6 in Northern, 21 in Northwest, and 31 in Southwest (see figure top right).
- The number of reported nursing home resident and staff cases remains elevated (see figure bottom right).
 - For the reporting week ending August 7, 2022, 316 resident and 307 staff cases were reported to NHSN. Data for this reporting week are preliminary.
- For reporting week ending July 31, 2022, data reported by 282 nursing homes showed 89% of residents were fully vaccinated; data reported by 282 nursing homes showed 95% of staff were fully vaccinated (see figures bottom left).
 - Of the nursing home residents eligible to receive an additional dose or booster, **84% of residents have received an additional dose or booster** of COVID-19 vaccine.
 - Of the nursing home healthcare personnel eligible to receive an additional dose or booster, **44% of staff have received an additional dose or booster** of COVID-19 vaccine.

COVID-19 Booster Vaccination in Virginia Nursing Homes

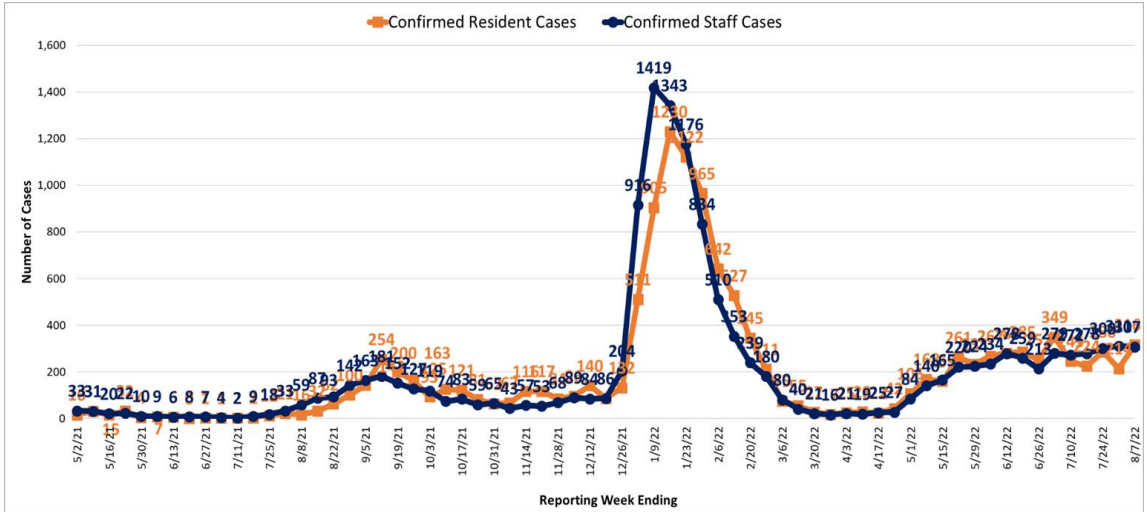


Data were reported by 286 Virginia nursing homes into the National Healthcare Safety Network (NHSN) as of 8/8/2022 and are subject to change, including booster eligibility per [updated vaccine guidance](#). In Virginia, 282 nursing homes reported resident vaccination data for reporting week ending 7/31/2022; 282 nursing homes reported staff vaccination data for reporting week ending 7/31/2022. For staff type definitions, refer to [NHSN Table of Instructions](#).

Number and Region of LTCF COVID-19 Outbreaks by Date VDH Notified



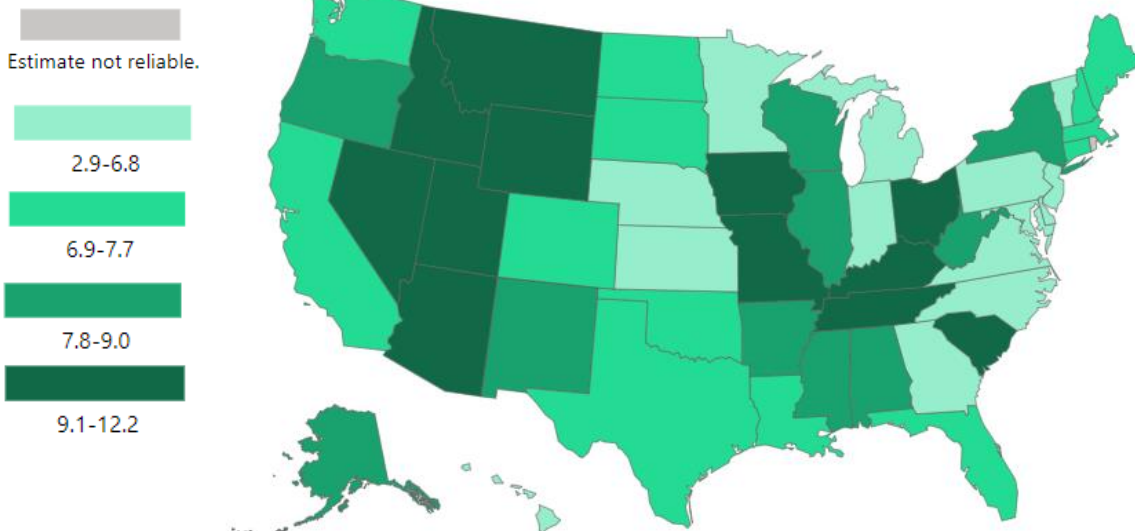
Nursing Home Resident and Staff COVID-19 Cases



Household Pulse Survey

- National Center for Health Statistics (NCHS) in partnership with Census Bureau
- Beginning June 1, 2022, NCHS sent out a questionnaire about enduring COVID-19 symptoms for 3 months or longer
 - Outcomes: Percent of total adults and adults with COVID-19 who had or currently have long COVID, nationally and by state
 - VA: 4.9% (95% CI: 3.4-6.7%) of all adults are currently experiencing long COVID**
 - VA: 13.7% (95% CI: 9.9-18.3%) of all adults who ever had COVID are currently experiencing long COVID**

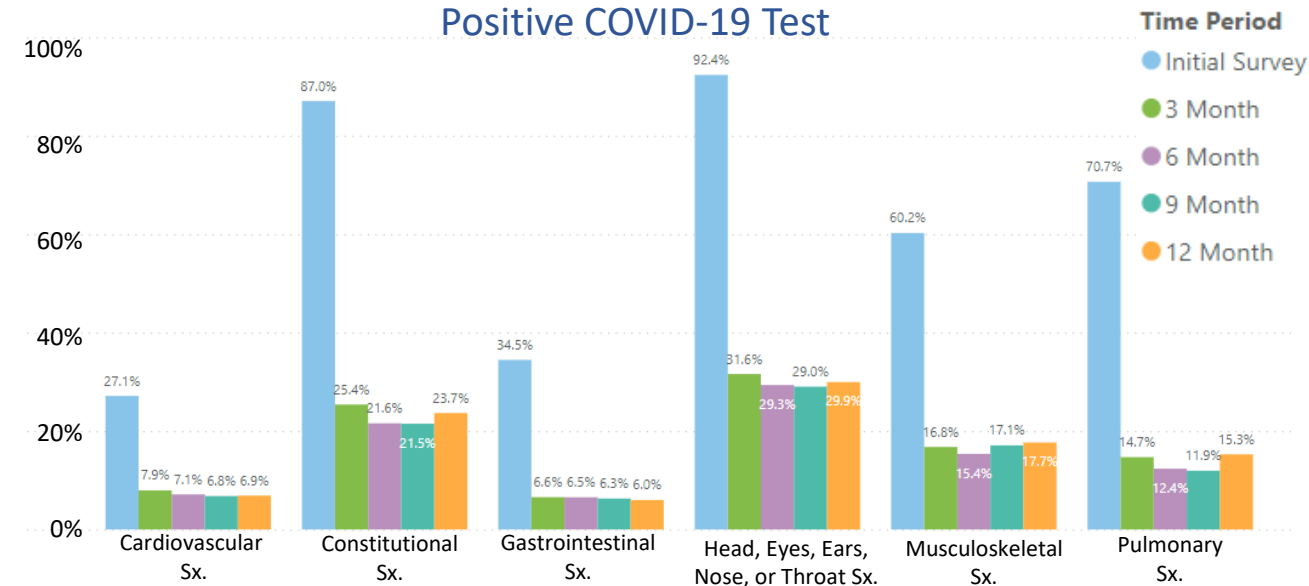
Currently Experiencing Long COVID, As a Percentage of All Adults



INSPIRE (Innovative Support for Patients with SARS-CoV-2 Infections)

- CDC funded multicenter, longitudinal study comparing long term outcomes of those with acute symptoms who test positive and negative for COVID-19
- Followed every 3 months for up to 18 months. Data updated quarterly

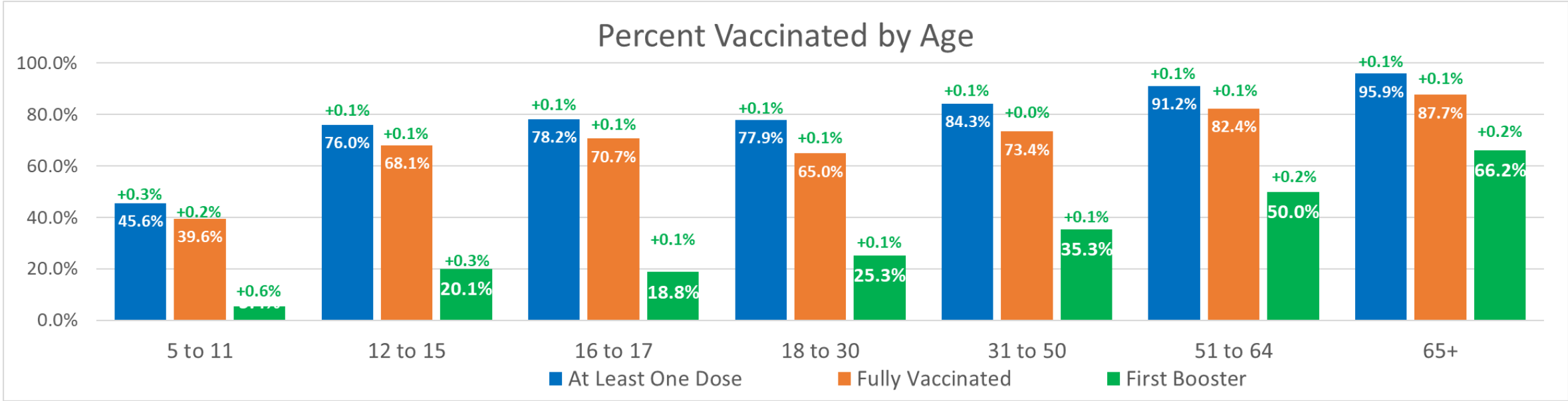
% Reporting any Symptom in the Months Following Positive COVID-19 Test



New Long COVID Research Findings:

- A systematic review and meta-analysis of 18 studies with 3,699 adults with COVID-19 related loss of taste and smell
- Estimates that **5.6% (95% CI: 2.7-11%)** of COVID-19 survivors may face **long-lasting changes to sense of smell or taste**

Virginia: Vaccination by Age Groups



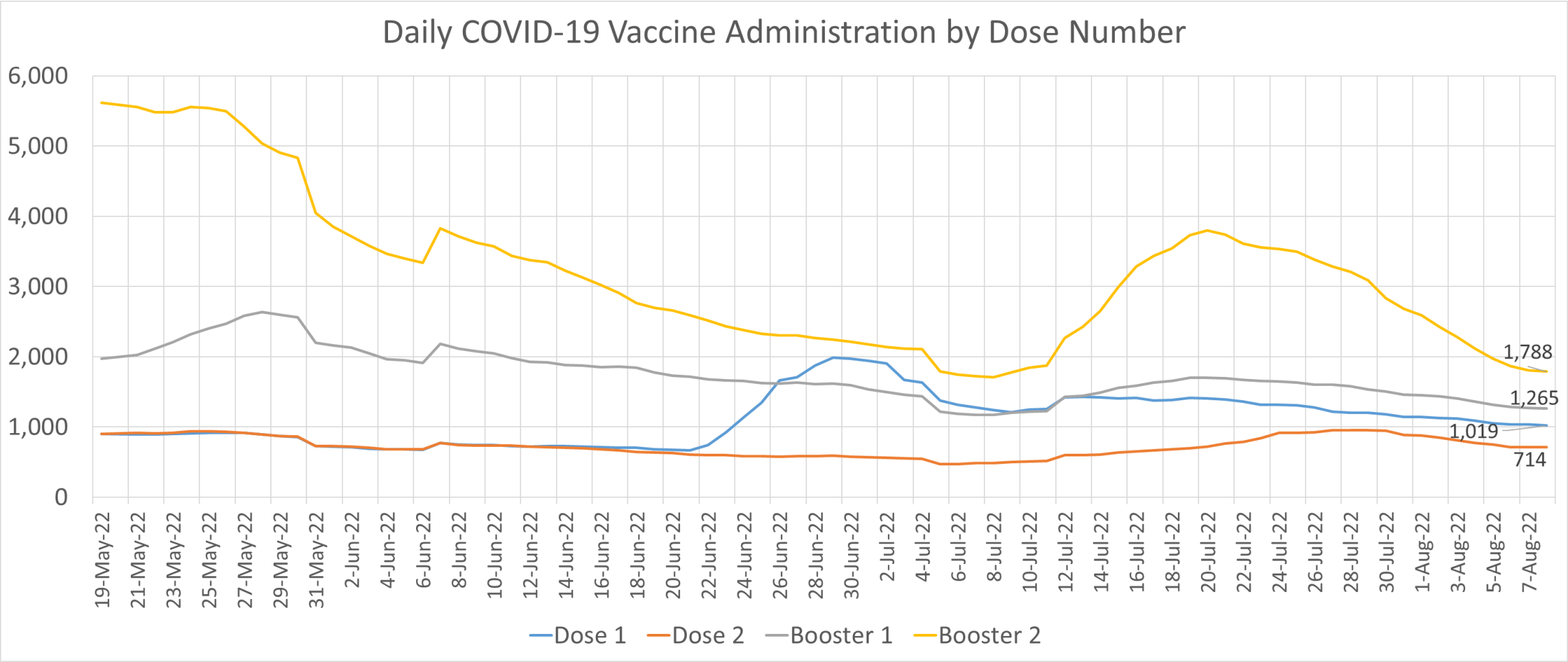
Virginia Vaccination by Age

- ✓ **72.0% (+0.1%)** of the Total Population is Fully Vaccinated
- ✓ **24.9% (+0.2%)** of the Total Population is “Up-to-Date” with their Vaccinations
- ✓ **52.2% (+0.3%)** of the Eligible Population received a First Booster
- ✓ **34.5% (+1.1%)** of the Eligible 50+ Population received a Second Booster
- ✓ For 5 to 11 year olds, Virginia is in the top 10 nationally for vaccinations, and 15.2% of those eligible have a booster
- ✓ Green percent represents percent increase from two weeks prior

Virginia: Vaccine Uptake by Dose Number

Vaccine Administrations by Dose Type

- Most Vaccine Administrations are plateauing



Federal doses not included in this number
Source: [COVID-19 Vaccine Summary – Coronavirus \(virginia.gov\)](#)

Vaccination Update for Young Children: Pfizer 6mo to 4 year old and Moderna 6mo to 5 year old Vaccine

- Virginia is top 10 in under 5 y.o. vaccinations nationally among States reporting
- There have been 33,621 First doses administered to the under 5 population since June 20th, 2022
- The total 6 month to 4 year old First Dose Vaccination Rate for Virginia is 7.4% (+1.2%)

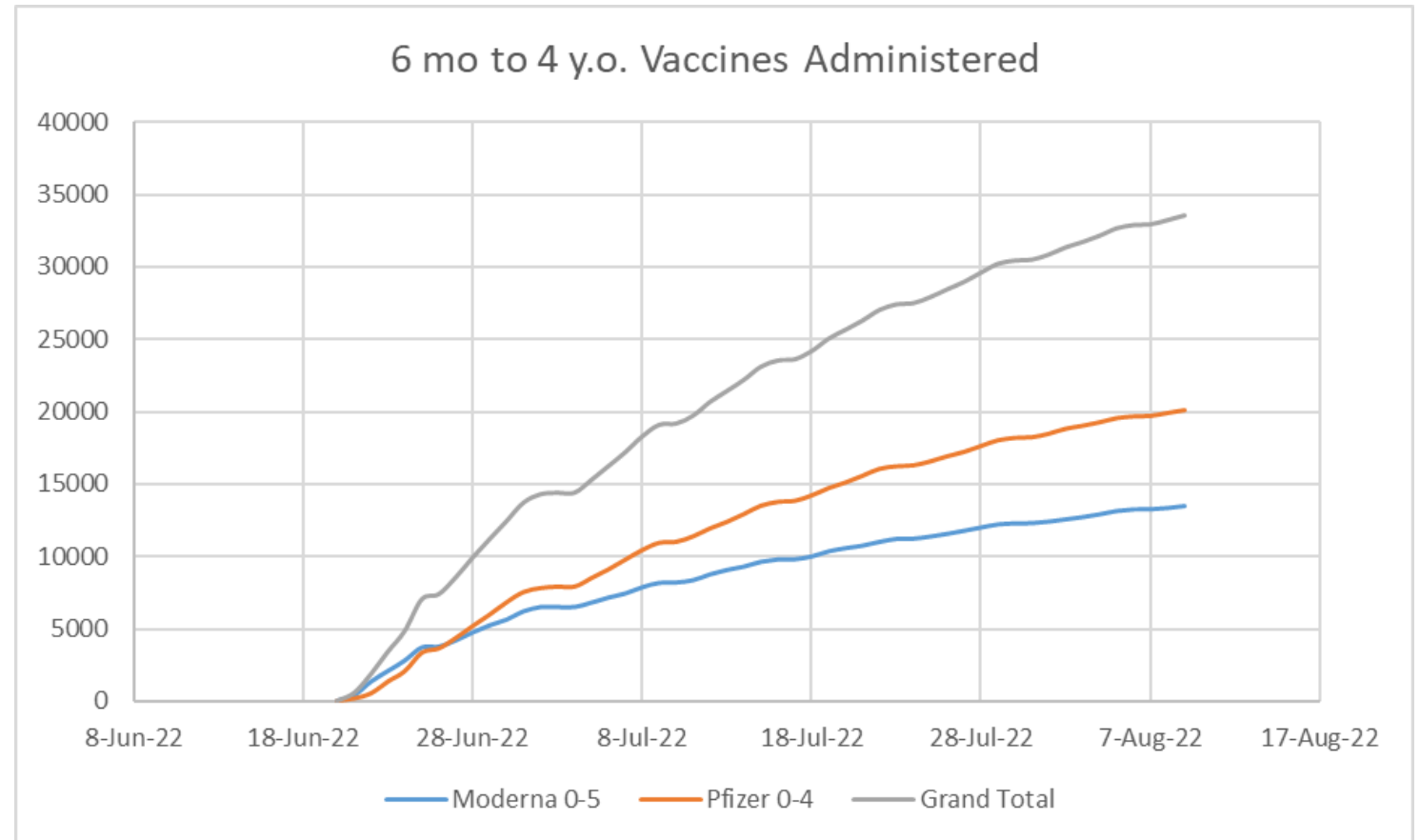
Vaccination Rate by Age

Age	1st dose rate
0	5.8%
1	6.2%
2	7.5%
3	8.2%
4	8.5%
5	48.6%

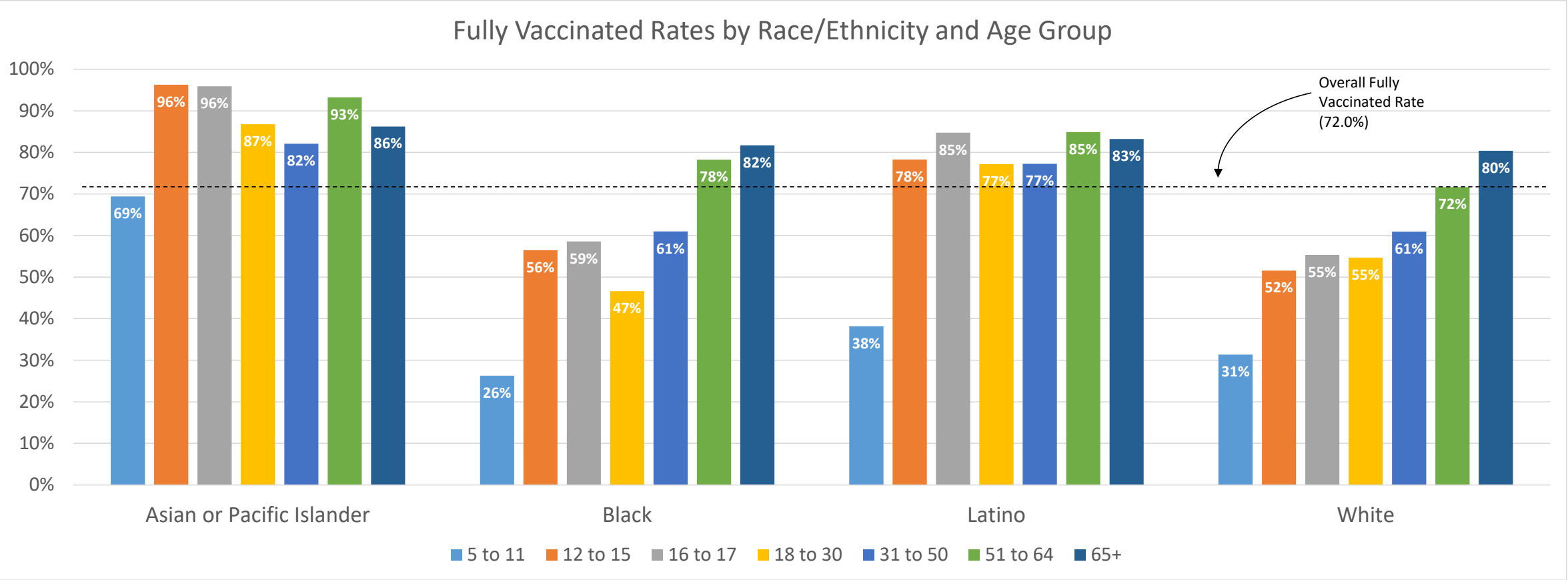
**5 year old includes Pfizer 5 to 11 Vaccine since Nov 2021*

Regional Vax Rate for 6 mo. to 4 year olds

Region	1st Dose Rate
Central	5.9%
Eastern	2.5%
Northern	11.3%
Northwest	5.1%
Southwest	1.9%
Grand Total	7.4%



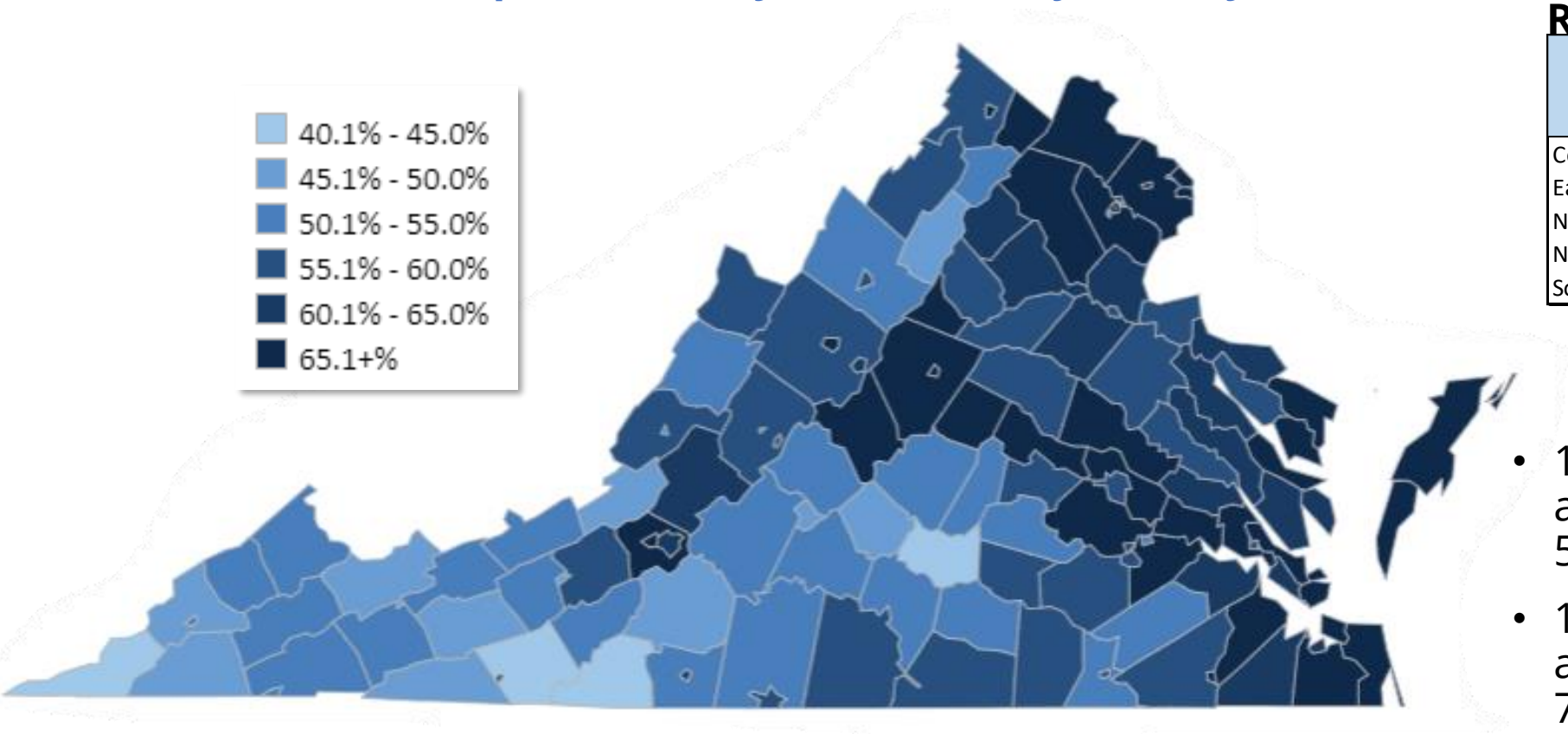
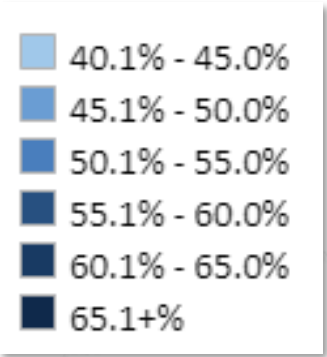
Virginia: Vaccination by Race/Ethnicity and Age



Change in Fully Vaccinated	5 to 11	12 to 15	16 to 17	18 to 30	31 to 50	51 to 64	65+
Asian or Pacific Islander	0.4%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%
Black	0.3%	0.2%	0.2%	0.1%	0.1%	0.1%	0.1%
Latino	0.3%	0.3%	0.2%	0.1%	0.1%	0.2%	0.2%
White	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Virginia: Vaccination across the Commonwealth by Geography

Percent of the Total Population Fully Vaccinated by Locality



Vaccination Rates by Region

Health Region	Fully Vaccinated	Change	Up-to-Date
Central	63.9%	0.1%	41.6%
Eastern	59.9%	0.1%	37.6%
Northern	75.0%	0.1%	53.5%
Northwest	61.5%	0.1%	39.9%
Southwest	54.2%	0.1%	31.9%

- 15 out of 133 Localities have a fully vaccinated rate below 50%
- 19 out of 133 Localities have a fully vaccinated rate above 70%
- There is a disparity across Urban and Rural areas by Age Groups, with Rural Adolescents the Lowest Vaccinated group

2013 SRHP Isserman Classification

Change in Fully Vax	5 to 11	12 to 17	16 to 17	18 to 30	31 to 50	51 to 64	65+	Total
Mixed Urban	0.3%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%
Urban	0.3%	0.2%	0.1%	0.1%	0.1%	0.2%	0.2%	0.1%
Mixed Rural	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Rural	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Grand Total	0.3%	0.1%	0.1%	0.1%	0.1%	0.2%	0.2%	0.1%

Federal doses not included in this number
Source: [COVID-19 Vaccine Summary – Coronavirus \(virginia.gov\)](#)

Virginia and Neighbors: Vaccination Rates

