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# Virginia Respiratory Disease and Monkeypox Data Update

December 15, 2022



**VIRGINIA'S  
HEALTH  
IS IN OUR  
HANDS.**

Do your part,  
stop the spread.

# Virginia: Respiratory Disease Syndromic Surveillance

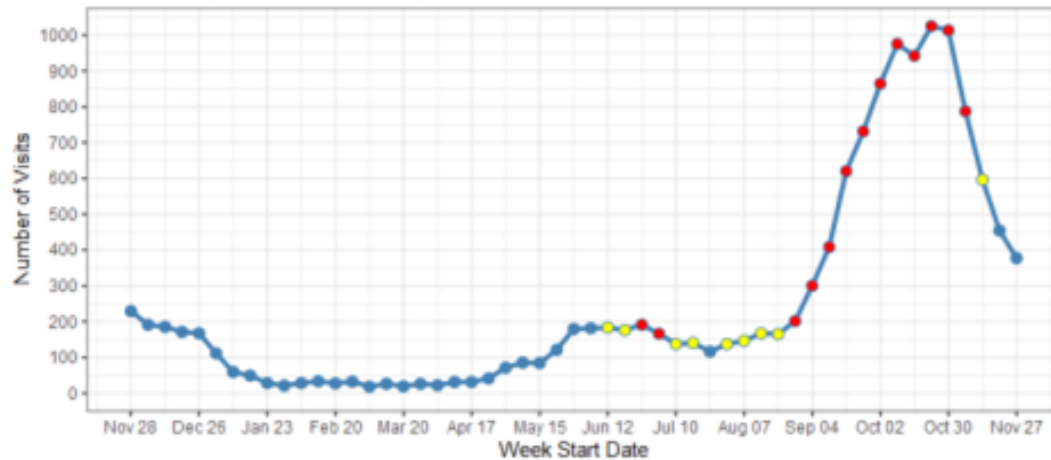
## \*Diagnosed Respiratory Syncytial Virus (RSV)

11/13 - 11/19 (MMWR Week 46)	11/20 - 11/26 (MMWR Week 47)	11/27 - 12/03 (MMWR Week 48)
591 visits	454 visits	<b>377 (-17%)</b>

Data is from the week of Nov. 27 - Dec 3, 2022. Percent change is from week prior

\* RSV - ED and urgent care visits that include RSV in the discharge diagnosis (not necessarily confirmed cases)

**Weekly ED and Urgent Care Visits with Diagnosed RSV  
11/28/21 - 12/03/22**



- Nationally, RSV hospitalization rates nationally decreased from 3.6 to 2.5 per 100k, during the week ending 12/03

Source: VDH Weekly Respiratory Disease Surveillance Report. Percentage change is calculated off prior week's visits. Data are preliminary and subject to change. RSV Net: <https://www.cdc.gov/rsv/research/rsv-net/dashboard.html>

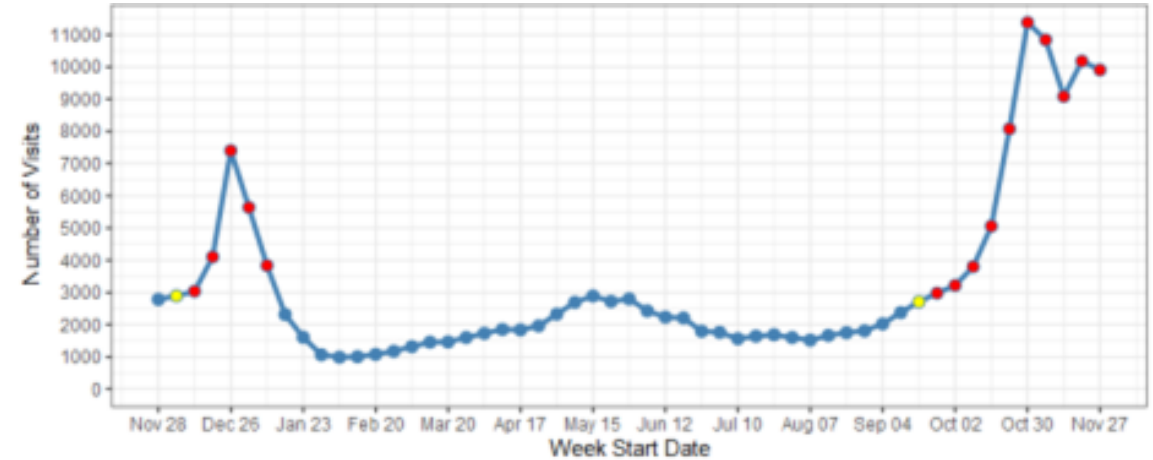
## \*Influenza-Like Illness (Excluding Diagnosed COVID-19) ED and Urgent Care Visits

11/13 - 11/19 (MMWR Week 46)	11/20 - 11/26 (MMWR Week 47)	11/27 - 12/03 (MMWR Week 48)
9,082	10,181	<b>9,906 (&lt;5%)</b>

Data is from the week of Nov. 27 - Dec 3, 2022. Percent change is from week prior

\* ILI - ED and urgent care visits with a chief complaint of 'flu' or fever + sore throat/cough. **Visits with diagnosed COVID-19 are excluded.**

**Weekly ED and Urgent Care Visits for ILI Excluding Diagnosed COVID-19  
11/28/21 - 12/03/22**



- Virginia reported 8.6% of all ED and urgent care visits were for ILI, during the week ending 12/03
- Largest proportion of ILI visits were seen in the 0-4 years of age group with 21.7% of all visits

*COVID-Like Illness ED and Urgent Care Visits		
11/13 - 11/19 (MMWR Week 46)	11/20 - 11/26 (MMWR Week 47)	11/27 - 12/03 (MMWR Week 48)
18,467	19,426	<b>20,172 (&lt;5%)</b>

Data is from the week of Nov. 27 - Dec 3, 2022. Percent change is from week prior

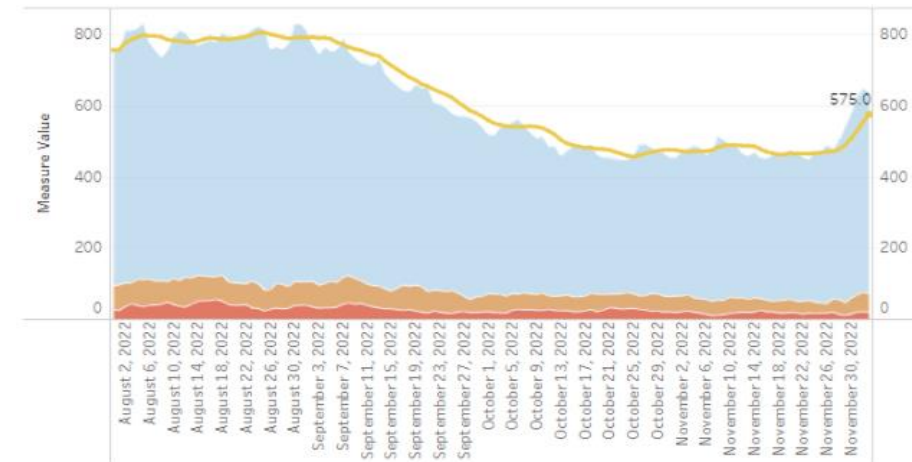
\*CLI - ED visits noting symptoms of fever + respiratory complaint (e.g. fever with cough, shortness of breath, or difficulty breathing), loss of taste or smell, those with a coronavirus or severe respiratory diagnosis, or visits that mention COVID-19 as the reason for visit.

For the week ending Dec 3, 2022, MMWR week 48

\* Compared to last week:

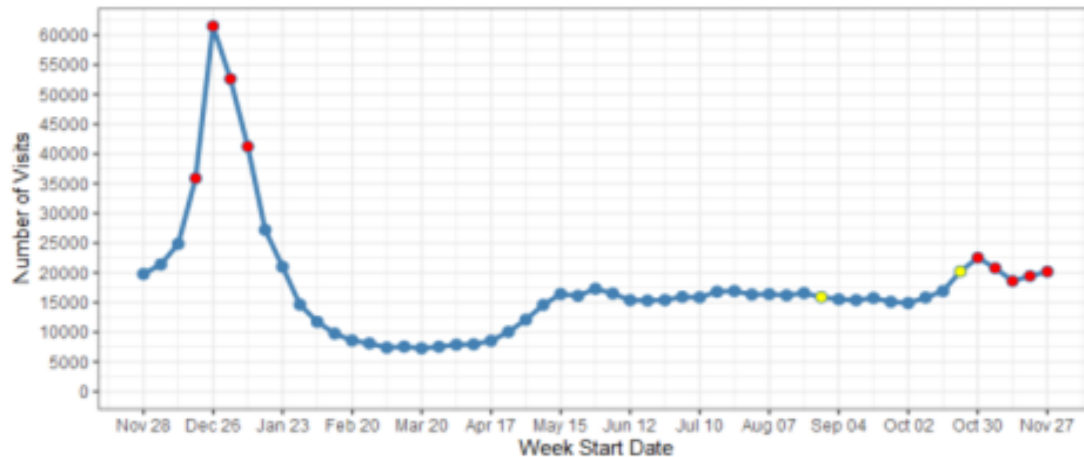
- Weekly **case rate increased 23%** to 89.1 per 100K
- Hospital Census Data shows a 7-day MA **increase of 22%** at 575 per day
- Weekly **deaths decreased 24%** to 13 deaths (confirmed & probable)

## COVID-19 Hospital Census Data Virginia, August 2022 – December 2022



- Confirmed COVID-19 Patients Currently on Ventilator Support
- ICU (Confirmed)
- Confirmed
- 7-Day Moving Average of Confirmed COVID-19

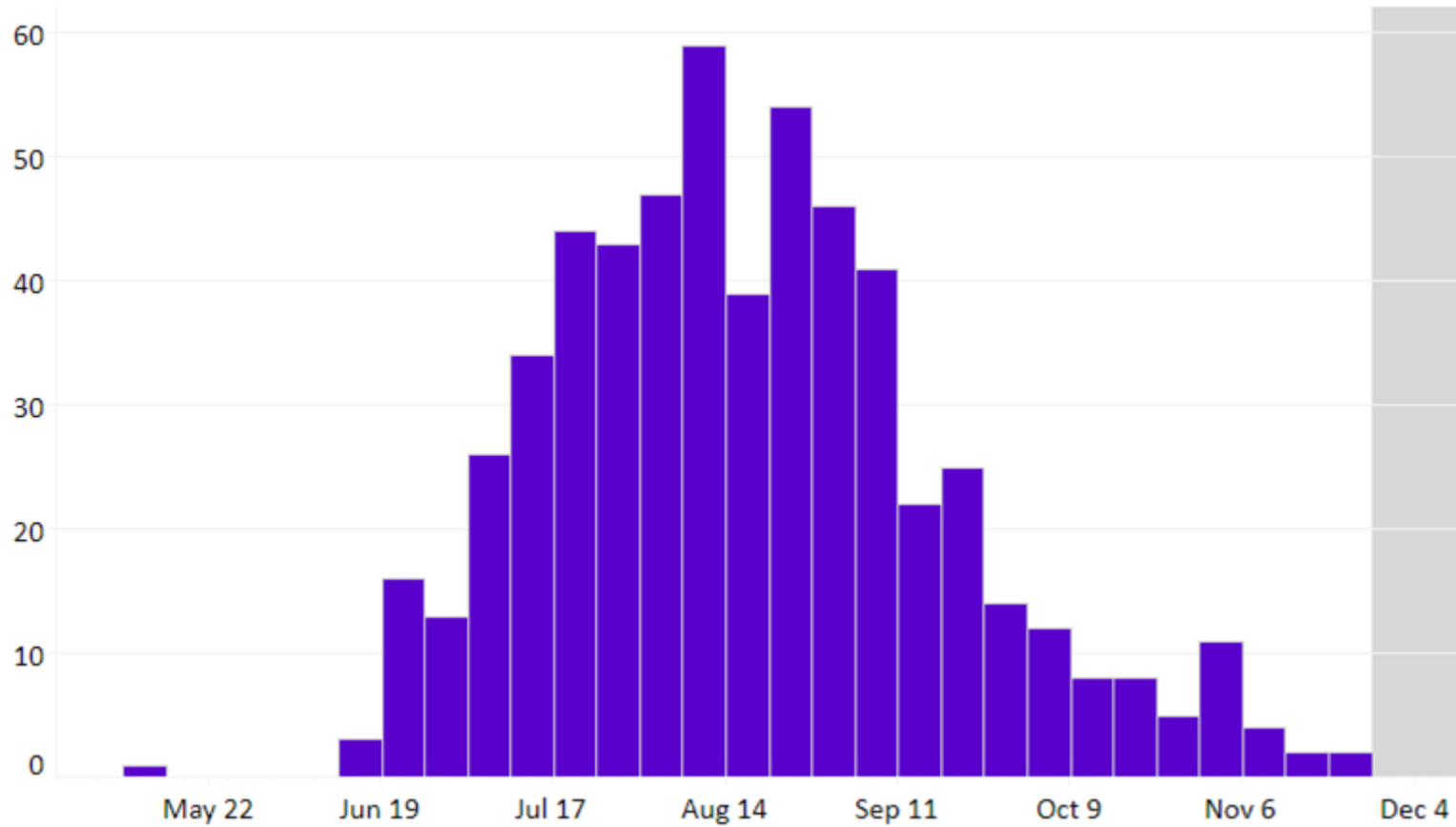
## Weekly ED and Urgent Care Visits for COVID-Like Illness, VA, 11/28/21 - 12/03/22



\*Source: [CDC COVID Data Tracker](#), [VHHA Hospitalizations – Coronavirus \(virginia.gov\)](#), [VDH COVID-19 Dashboard](#)  
 VDH Weekly Respiratory Disease Surveillance Report. Percentage change is calculated off updated case numbers from week prior.  
 \*Data comparisons: Wednesday-Wednesday

# Mpox Cases in Virginia

## Epi Curve of Mpox Cases (5/2022 – 11/2022)



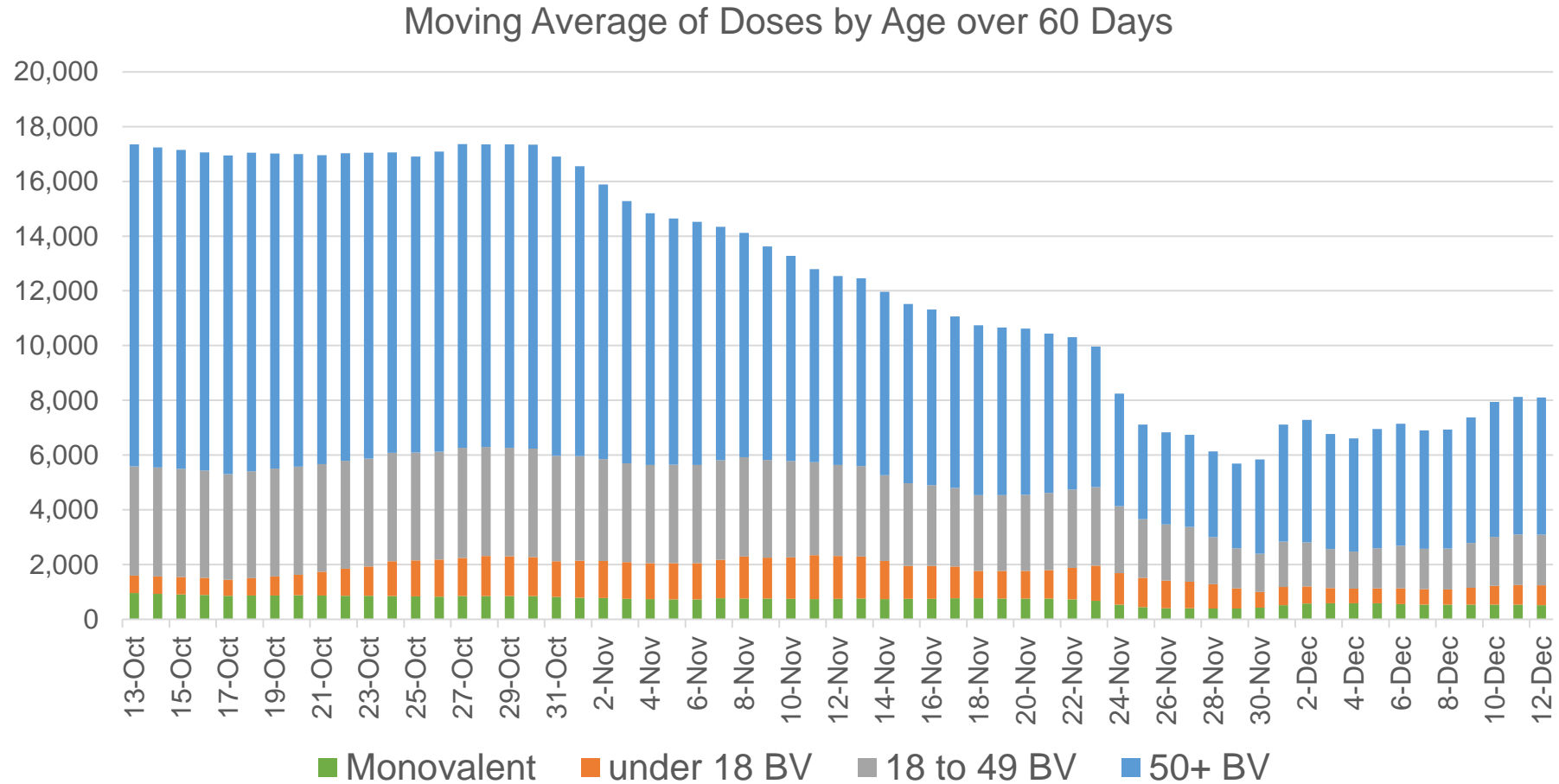
<b>Total Cases</b>	<b>559</b>
<b>Hospitalizations</b>	<b>24</b>
<b>Deaths</b>	<b>1</b>

## Mpox Cases By Age and Sex (as of 12/09)

Age Group	Cases
0-9 Years	0 (0.0%)
10-14 Years	1 (0.2%)
15-19 Years	14 (2.5%)
20-29 Years	205 (36.7%)
30-39 Years	222 (39.7%)
40-49 Years	80 (14.3%)
50-59 Years	32 (5.7%)
60-69 Years	3 (0.5%)
70+ Years	2 (0.4%)
Sex	
Female	30 (5.4%)
Male	529 (94.6%)

\*Data represent investigations with notifications submitted in VEDSS.

- There have been 1,218,319 Bivalent Covid-19 Vaccine Doses Administered so far
- 92.9% of doses have been Bivalent so far in the month of December

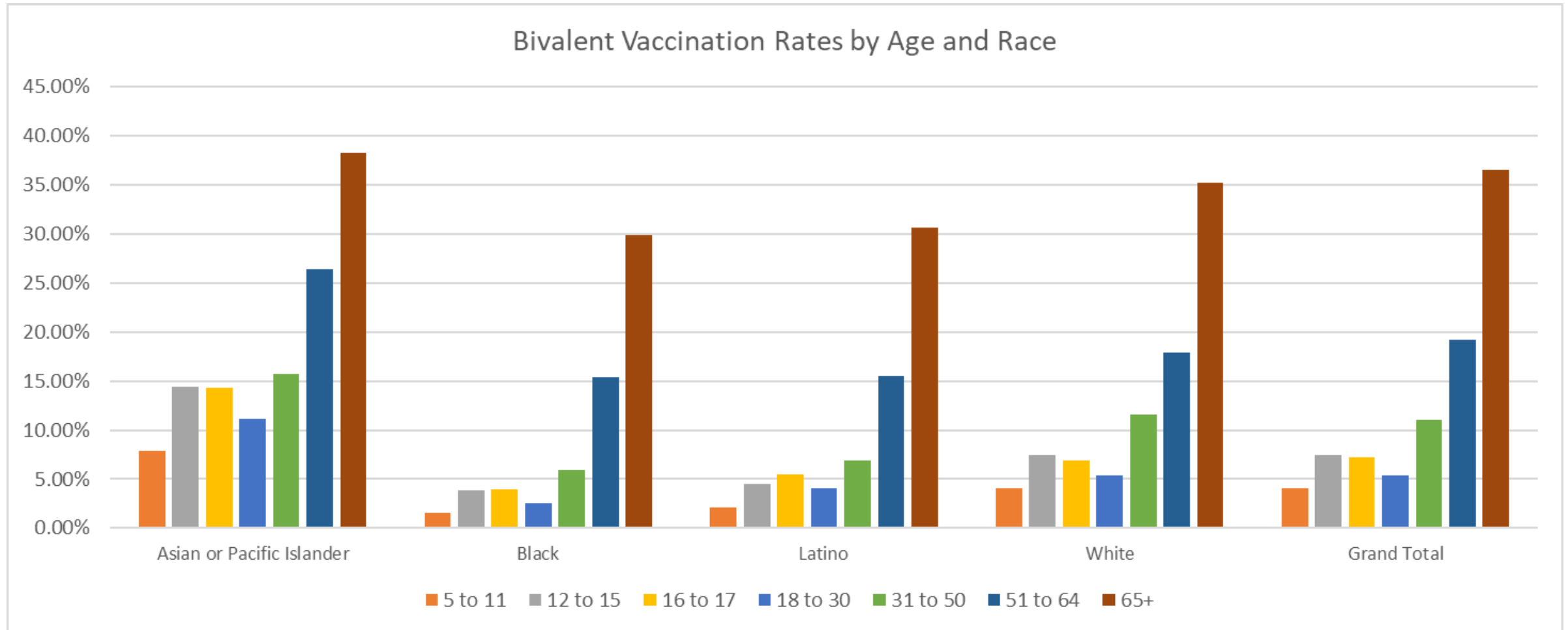


Federal doses not included in this number  
Source: [COVID-19 Vaccine Summary - Coronavirus \(virginia.gov\)](https://www.virginia.gov/health/COVID-19/vaccine/summary)

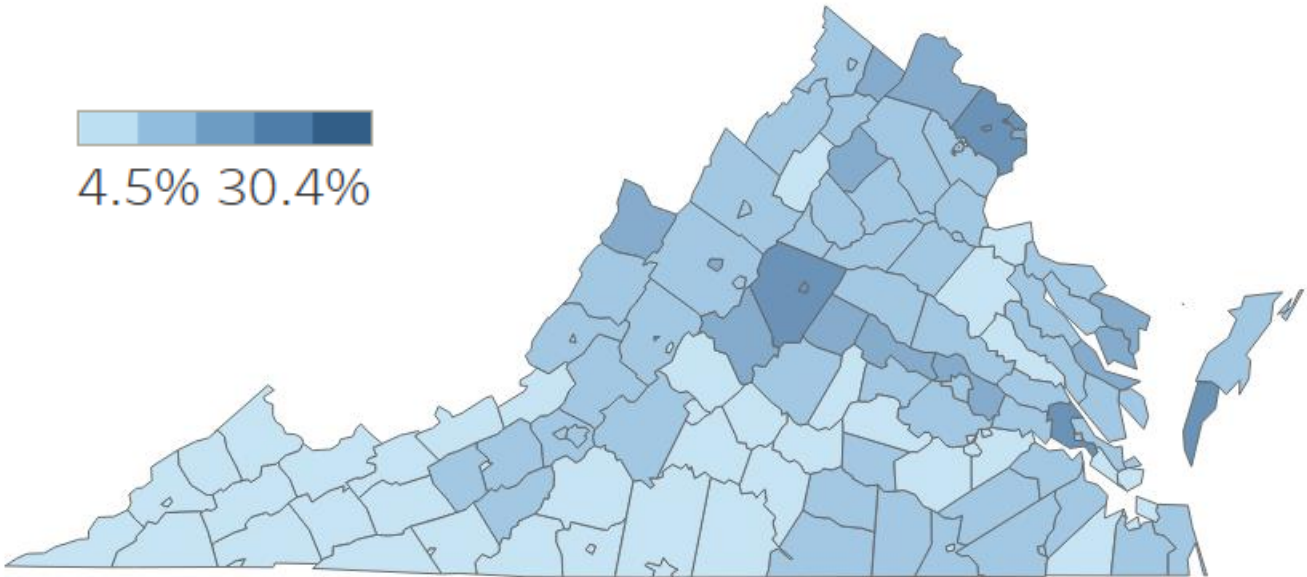
# Virginia: Bivalent Vaccination Uptake by Race/Ethnicity and Age

Updated 12/14/22

- 37% of the total 65+ population has received a bivalent booster, outpacing 2<sup>nd</sup> booster uptake at a similar stage
- 42% of bivalent vaccines has gone to 65+, as this age group is far outpacing other ages for uptake



## Percent of the Total Population with Bivalent Booster by Locality

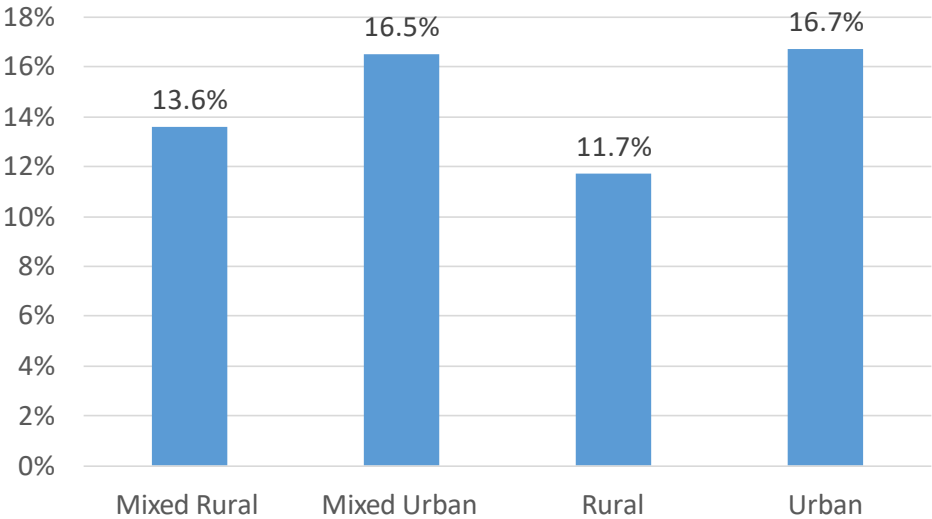


- 73.5% of the Total Population is Fully Vaccinated
- 14.3% of the Total Population has a Bivalent Booster
- 20.5% of the Eligible Population has a Bivalent Booster
- Virginia is 15<sup>th</sup> in the nation in Bivalent Booster uptake

## Vaccination Rates by Region

Health Region	Fully Vaccinated	Change
Central	64.6%	0.1%
Eastern	60.6%	0.1%
Northern	76.9%	0.9%
Northwest	62.3%	0.2%
Southwest	54.8%	0.1%

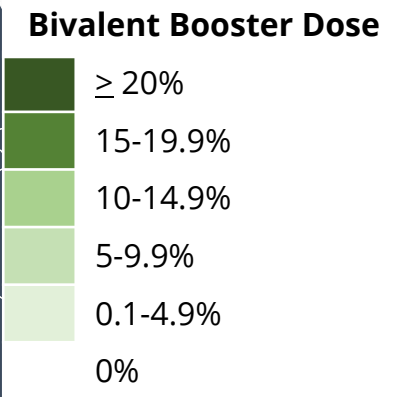
## Bivalent Uptake by Urban / Rural



Federal doses not included in this number  
 Source: [COVID-19 Vaccine Summary - Coronavirus \(virginia.gov\)](https://www.virginia.gov/health/covid-19/vaccine-summary)

# Virginia and Neighbors: Vaccination Rates

Updated 12/14/22



	One Dose*	Fully Vax*	Bivalent Booster**
<b>Nationwide</b>	80.6%	68.9%	13.5%
<b>D.C.</b>	95.0%	84.8%	26.2%
<b>Kentucky</b>	68.5%	59.3%	10.5%
<b>Maryland</b>	91.0%	79.2%	19.8%
<b>North Carolina</b>	91.1%	66.4%	12.3%
<b>Tennessee</b>	64.2%	56.1%	8.6%
<b>Virginia**</b>	90.3%	76.1%	17.0%
<b>West Virginia</b>	67.2%	59.5%	9.8%

\*Total population, includes out-of-state vaccinations  
 \*\*Percent of fully vaccinated people with a booster dose  
 \*\*\*Differs from previous slide because all vaccination sources are included

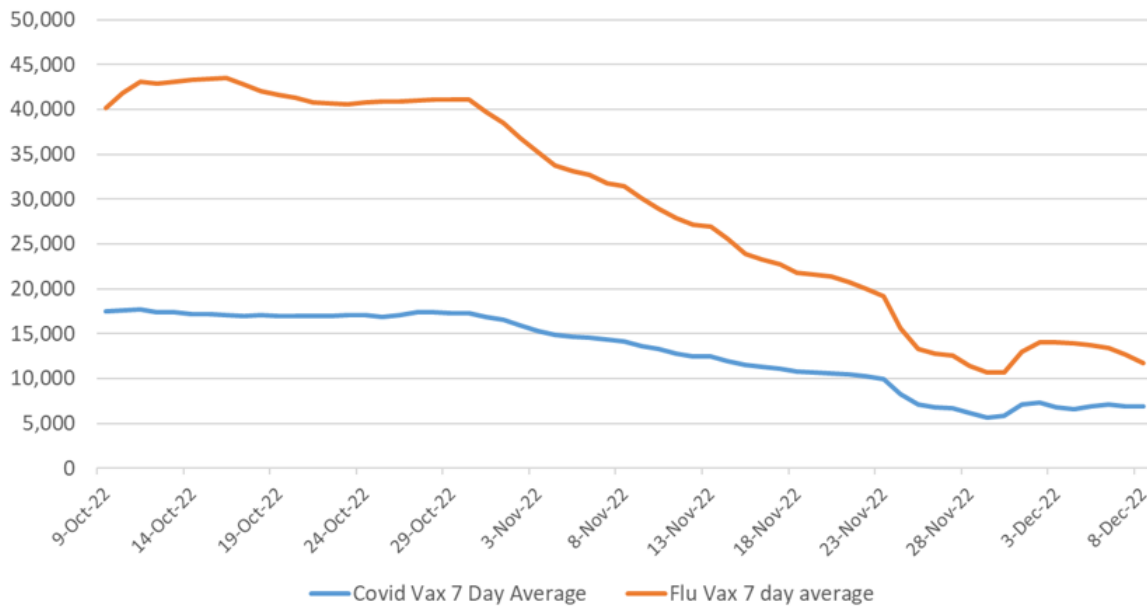
Ranks	Fully Vax %	0-4 First Dose %	5-11 First Dose %	Bivalent Booster %
Kentucky	#38	#36	#40	#35
Maryland	#8	#5	#5	#8
North Carolina	#23	#27	#24	#29
Tennessee	#46	#41	#46	#44
Virginia	#10	#11	#7	#15
West Virginia	#37	#46	#45	#37

Source: <https://covid.cdc.gov/covid-data-tracker/#vaccinations>



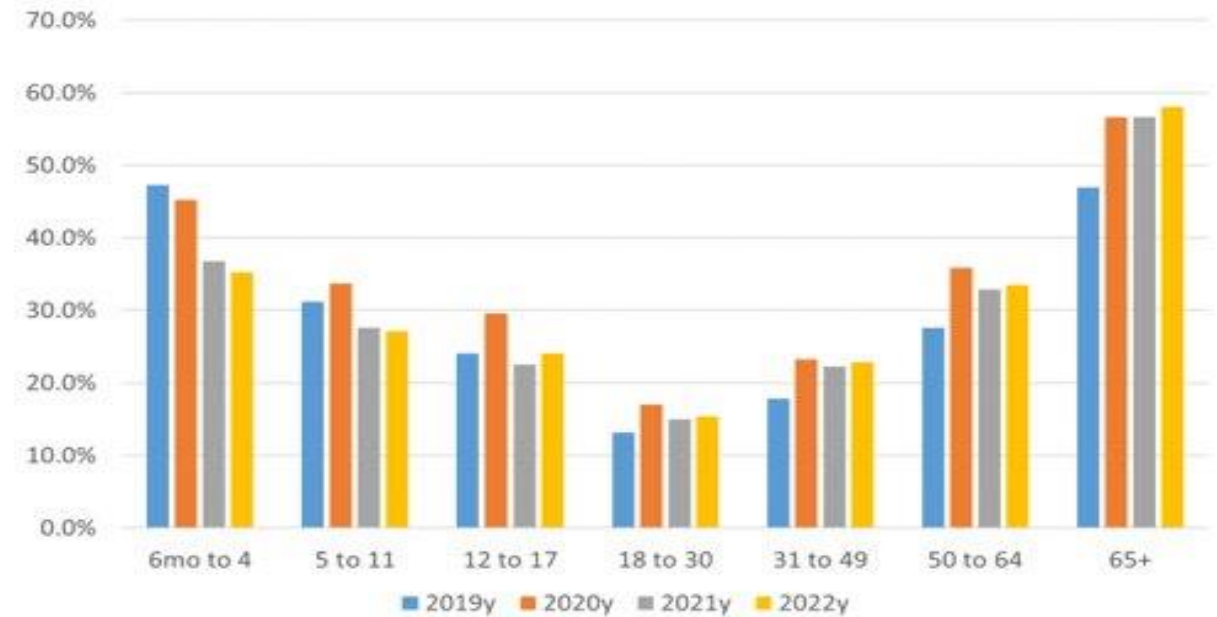
- Flu Vaccinations have roughly followed a similar pattern to Covid Vaccinations since September 1<sup>st</sup>, with a noticeable decline over the Thanksgiving holiday
- There have been 2.6 million Flu Vaccine doses administered (30% of the Total Population) since July 1st, 2022, which is very similar to the prior Flu season and higher than pre-pandemic.
- Children ages 0-11 are trailing previous years vaccination rates.

7 day Average of Flu Vax vs Covid Vax

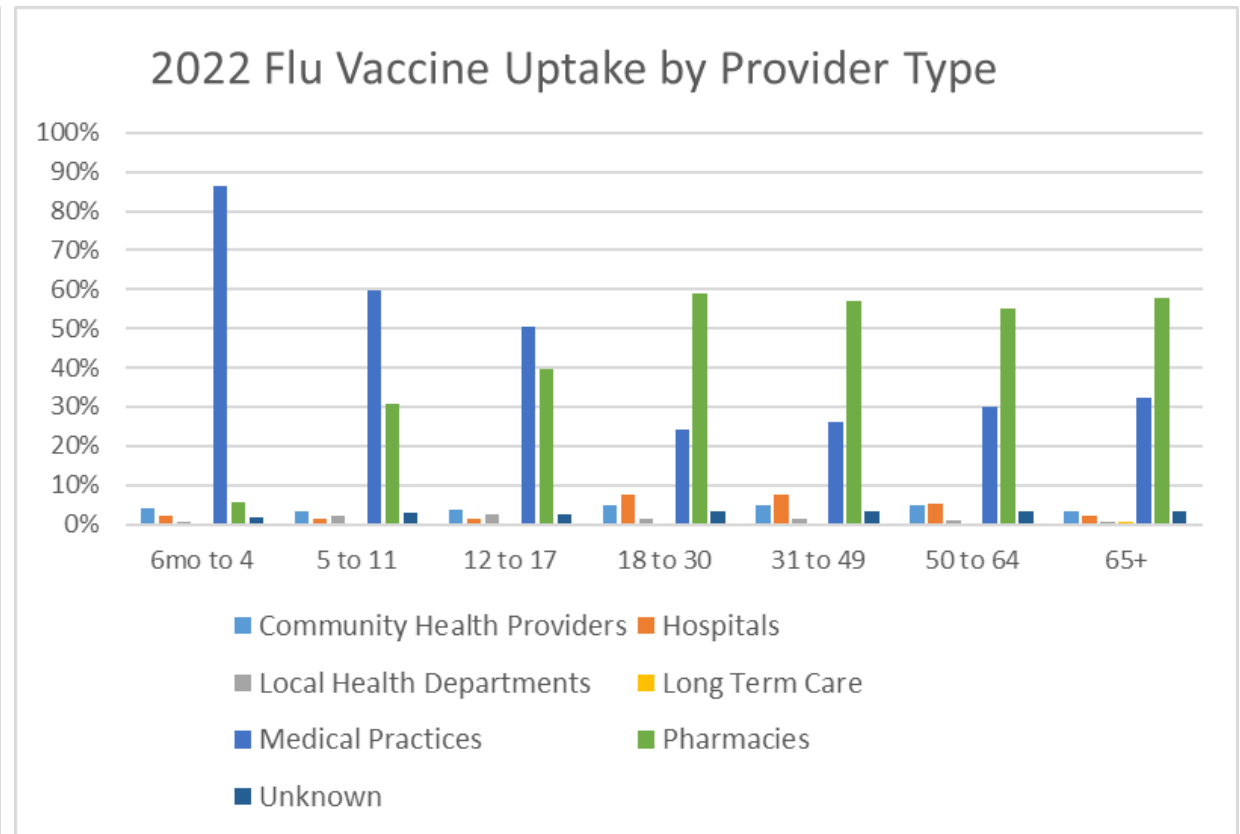
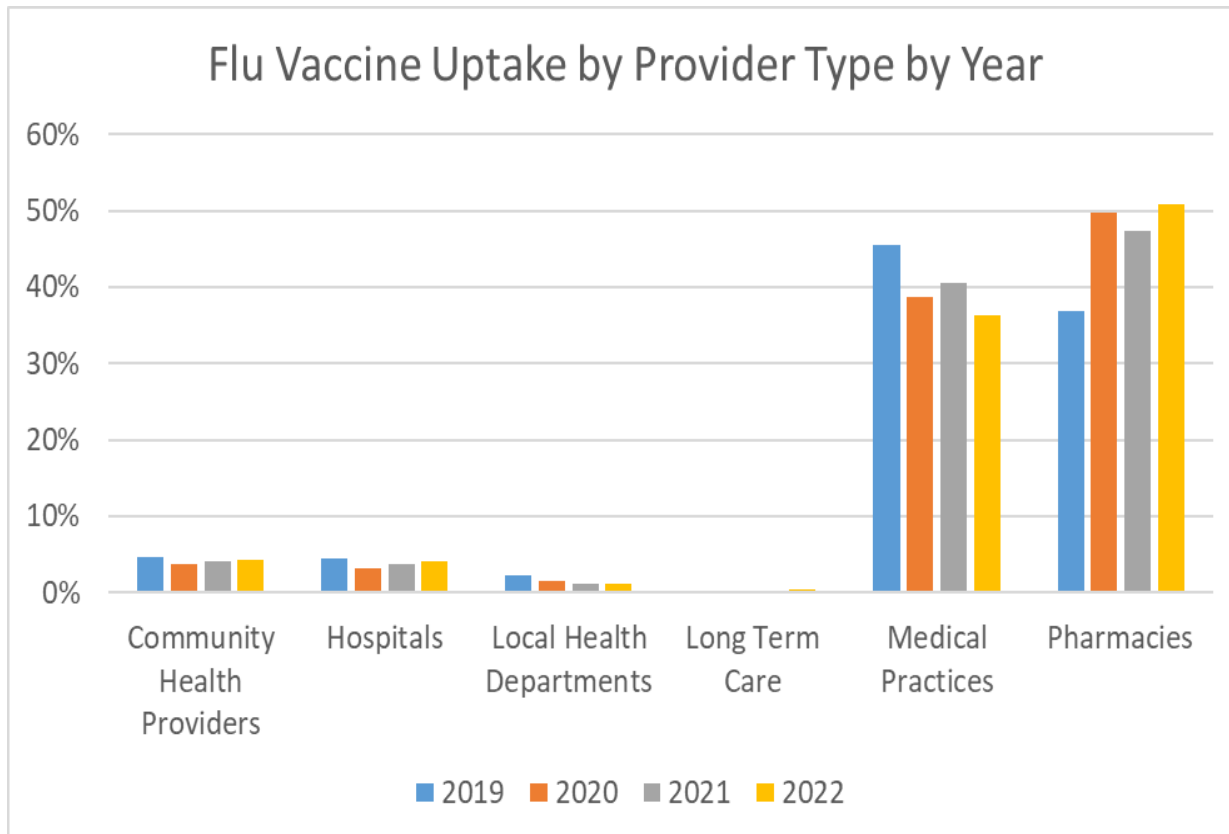


7 Day Average - Last 7 days of daily doses given, adds them and divided by 7.

% of Population that Received a Flu Vaccine from July 1 to Dec 8



- Of the known data, pharmacies are administering a higher percent of vaccinations in recent years
- A vast majority of the Vaccinations in younger children are performed in Medical Practices



# Virginia: JYNNEOS Administration Demographics

Updated 12/14/22

- Vaccinations have been slowing, with 144 doses administered last week out of the total 21,090 doses since July 1st.
- 89.5% of Vaccines Administered have been to Males
- 56.9% of Vaccines Administered have in the Northern Region
- The White Population accounts for 57.1% of Vaccinations by Race where data is available

