

# Mecklenburg County Public Health COVID-19 WEEKLY REPORT

## Tracking the Recent Cases

Data between November 11 – 24, 2022

Updated November 28, 2022

### INTRODUCTION

The following profile examines COVID-19 cases reported during the most recent 14-day period. Case reports were extracted from NC COVID and should be considered preliminary. Data may change as new information becomes available.

#### Case and Death Reporting

- November 11 – 24, 2022: 1,493 reported cases | **14% Decrease**
- November 11 – 24, 2022: 7 reported deaths | **Increase**
- CDC COVID-19 community levels on November 24, 2022: **Low**
- 7- Day Case Rate (November 18 – 24, 2022): **69.7 cases per 100,000 residents**

#### Wastewater Monitoring

- All monitoring sites indicating detection proportion percentiles above **40%**
- Three wastewater sites at Level 4
- One wastewater site at Level 3

#### COVID-like Illness (CLI) Emergency Department Visits

- 707 ED visits between November 11 – 24, 2022
- ED visits decreased **12%** from previous 2-week period
- **10.5%** of CLI visits during the current 14-day period resulted in hospital admissions

#### Vaccination Progress

- **68** Percent of all residents with at least one dose
- **64** Percent of residents with two doses or one dose J&J
- **43** Percent of all residents with one booster/additional dose

## CASE REPORTING (November 11 – 24, 2022)

New Cases in Past 2 Weeks: 1,493

Prior 2-Week Total (Oct 28 – Nov 10, 2022): 1,744

Percent Change from Prior: -14%

7- Day Case Rate (November 18 – 24, 2022): 69.7 cases per 100,000

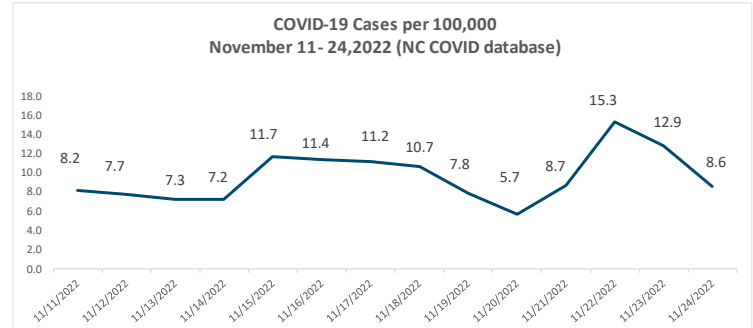


### Profile of Newly Reported Cases in the Past 2 Weeks (November 11 – 24, 2022)

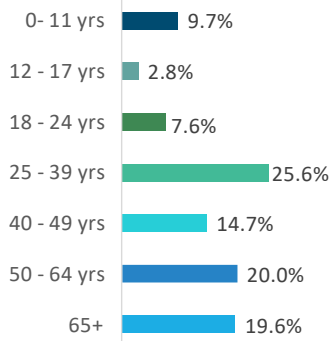
**MALES**  
579  
new cases  
(38.8%)



**FEMALES**  
914  
new cases  
(61.2%)

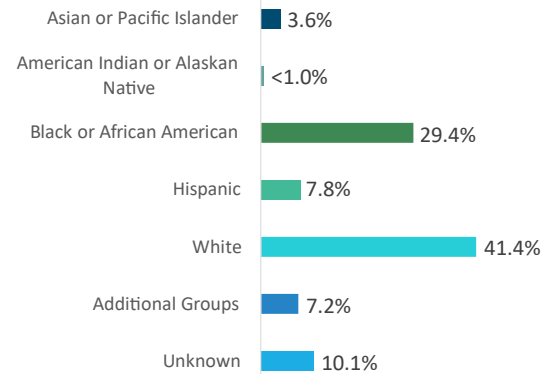


#### BY Age Group



13% of new reports  
were among children  
less than 18 yrs.

#### BY Race/Ethnicity

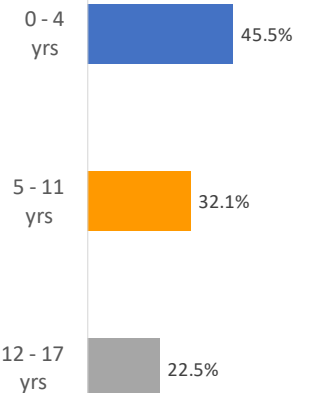
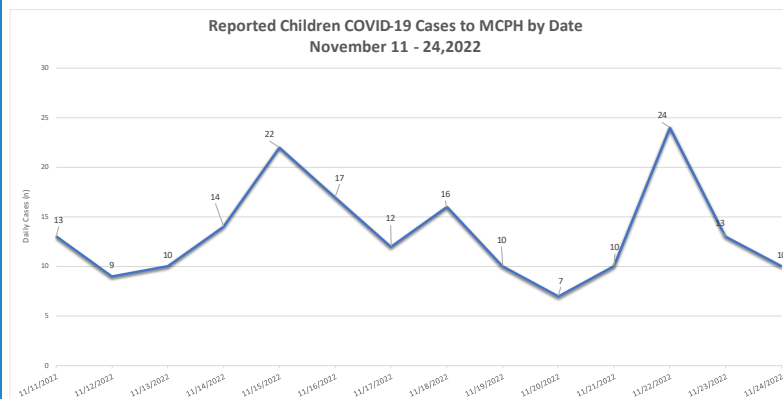


### Profile of Newly Reported Cases Among Children (0-17yrs) in the Past 2 Weeks (November 11 – 24, 2022)

New Cases in Past  
2 Weeks: 187

Prior 2-Week Total  
(Oct 28 – Nov 10, 2022):  
302

Percent Change  
from Prior: -38%



## DEATH REPORTING (November 11 – 24,2022)

The following profile examines COVID-19 deaths reported to Mecklenburg County. Deaths are typically reported within hours but may be delayed by several days. As new deaths are reported, they are included in the date the person died, and so previous data can change.

Current 14-Day Count:  
(November 11 – 24,2022)

**7 deaths**



Prior 14-Day Count:  
(Oct 28 – Nov 10,2022)

**6 deaths**

Selected Characteristics		Mecklenburg County	COVID DEATHS 2020	COVID DEATHS 2021	COVID DEATHS 2022
All Deaths		1,110,356 People	595 Deaths	773 Deaths	450 Deaths
		% of Population	% of Deaths	% of Deaths	% of Deaths
Age	<20	25.8%	--	<1.0%	<1.0%
	20-39	31.3%	<1.0%	4.1%	2.0%
	40-59	26.2%	12.4%	21.3%	17.1%
	≥ 60	16.6%	86.7%	74.1%	80.2%
Sex	Female	51.9%	50.4%	47.5%	48.2%
	Male	48.1%	49.6%	52.5%	51.8%
Race/Ethnicity *non- Hispanic	White*	46.0%	46.7%	40.4%	47.8%
	Black or African American*	31.2%	34.5%	36.7%	36.0%
	Hispanic	13.8%	10.3%	10.9%	9.3%
	Asian or Pacific Islander*	5.7%	2.5%	2.2%	1.6%
	American Indian or Alaskan Native*	<1.0%	--	<1.0%	<1.0%
	Additional Groups*	3.1%	3.5%	5.2%	3.1%
	Unknown	--	2.5%	3.9%	1.6%
Vaccination Status	Unvaccinated		100%	88.9%	47.1%
	Completed Primary Vaccine Series		--	10.5%	28.4%
	Received One Booster Dose		--	<1.0%	20.9%
	Received Two Booster Doses		--	--	3.6%

# COVID-19 VIRUS DETECTION IN WASTEWATER AT MONITORING SITES

(as of November 23,2022)

**Description:** North Carolina is currently collecting wastewater data from four wastewater treatment plants in Mecklenburg County, where 453,346 people are served by these treatment plants (41% of population).

**Detection Proportion:** The detection proportion of SARS-CoV-2 RNA (COVID-19) in wastewater is presented. The detection proportion is the percent calculated by dividing the 15-day rolling sum of SARS-CoV-2 detections by the 15-day rolling sum of the number of tests for each sewershed and multiplying by 100.

**Status Level:** Assigned to assist with the interpretation of the detection proportion percentiles for community response.

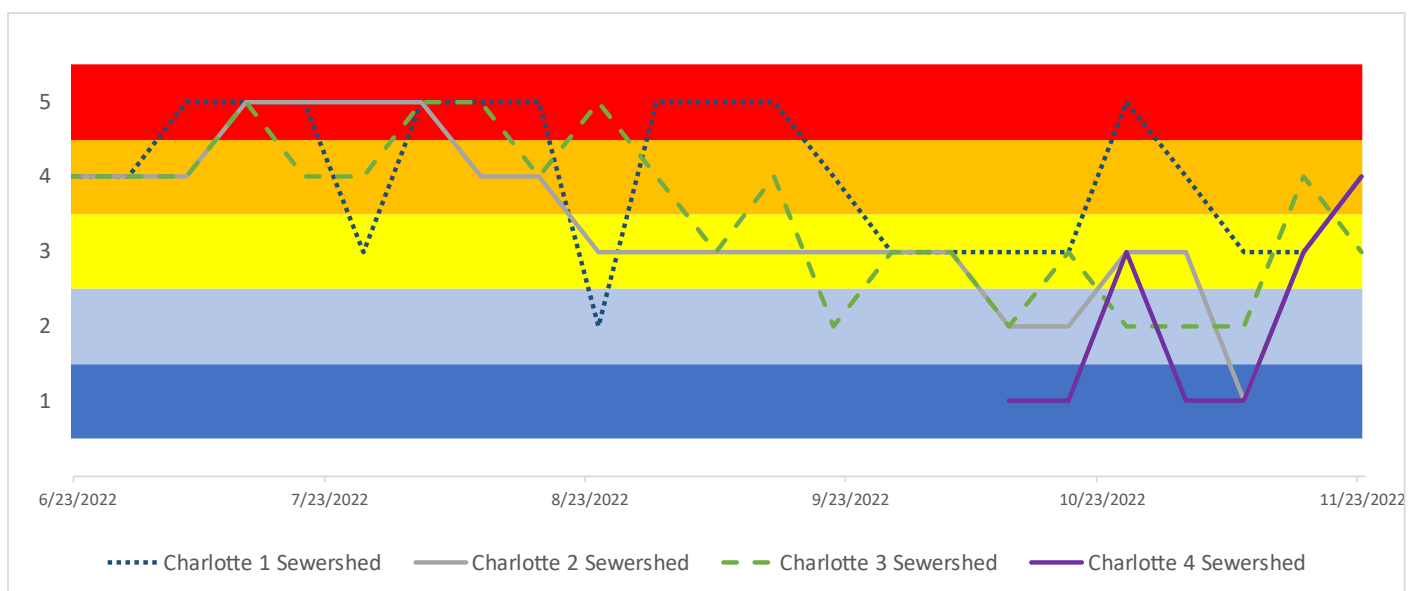
These data may be incomplete for the report period due to processing and reporting delays. All data should be considered preliminary. Data may change as new information becomes available.

Status Level	Detection Proportion Percentiles
1	Less than 20%
2	20 – 39.9%
3	40 – 59.9%
4	60 – 79.9%
5	80 – 100%

For more information about Wastewater Monitoring visit <https://covid19.ncdhhs.gov/dashboard/wastewater-monitoring>  
Data Source: North Carolina Wastewater Monitoring Network

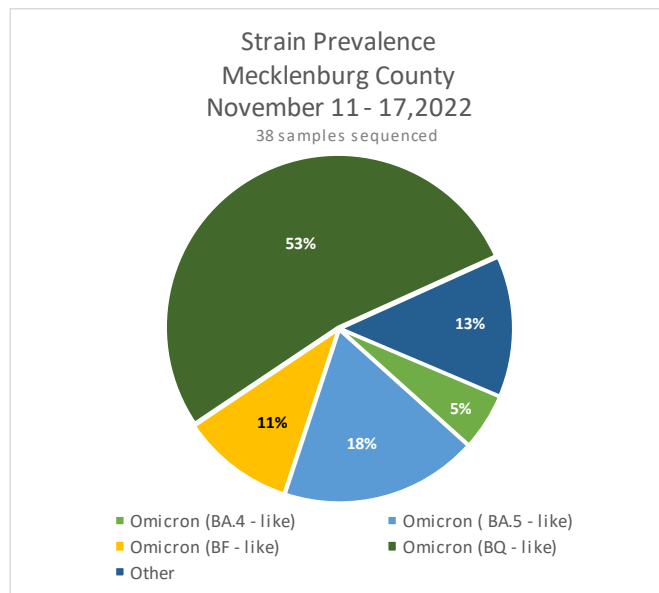
Monitoring Site	Location	Population Served	Current Status (Nov 23,2022)	Previous Status (Nov 16,2022)	Trend
Charlotte 1 Sewershed	Northwest	68,685	4	3	↑
Charlotte 2 Sewershed	Central	182,501	4	3	↑
Charlotte 3 Sewershed	North	120,000	3	4	↓
Charlotte 4 Sewershed	Central	82,160	4	3	↑

Wastewater Monitoring Status Levels (June 23 – November 23,2022)



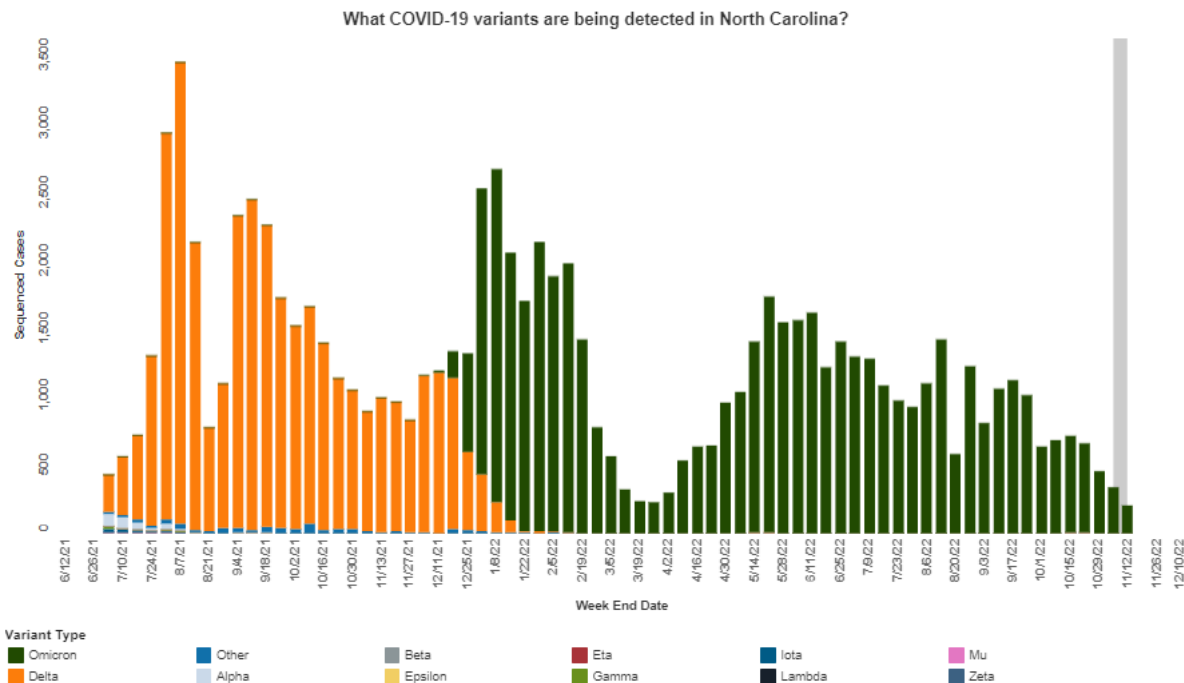
## COVID-19 VARIANT SURVEILLANCE *(as of November 23,2022)*

Whole genome sequencing (WGS) allows tracking of genetic changes in the SARS-CoV-2 virus (COVID-19) and helps identify variants that are present within the community. Variant Surveillance is conducted in partnership with the UNC Charlotte Environmental Monitoring Laboratory. Strain prevalence is identified each week among specimens sequenced by the UNC Charlotte Laboratory.



### Variant Detection in North Carolina as of November 12,2022 (provided by NCDHHS)

The Omicron Variant has been the most commonly circulating variant since the week ending December 25, 2021. The Omicron Variant was first detected in North Carolina the week ending December 4, 2021.



This graph shows the variants identified each week among specimens sequenced by laboratories that report WGS results to NC DHHS. The number of sequenced specimens shown is a small proportion of the total number of COVID-19 cases.

**The table below shows the dominant trend for the most recent week ending 11/12/2022**

Week End Date	Dominant Strain	Dominant Strain Count	% Represented by Dominant Strain
11/12/2022	Omicron	201	99%

Source: NC DHHS COVID-19 Respiratory Surveillance

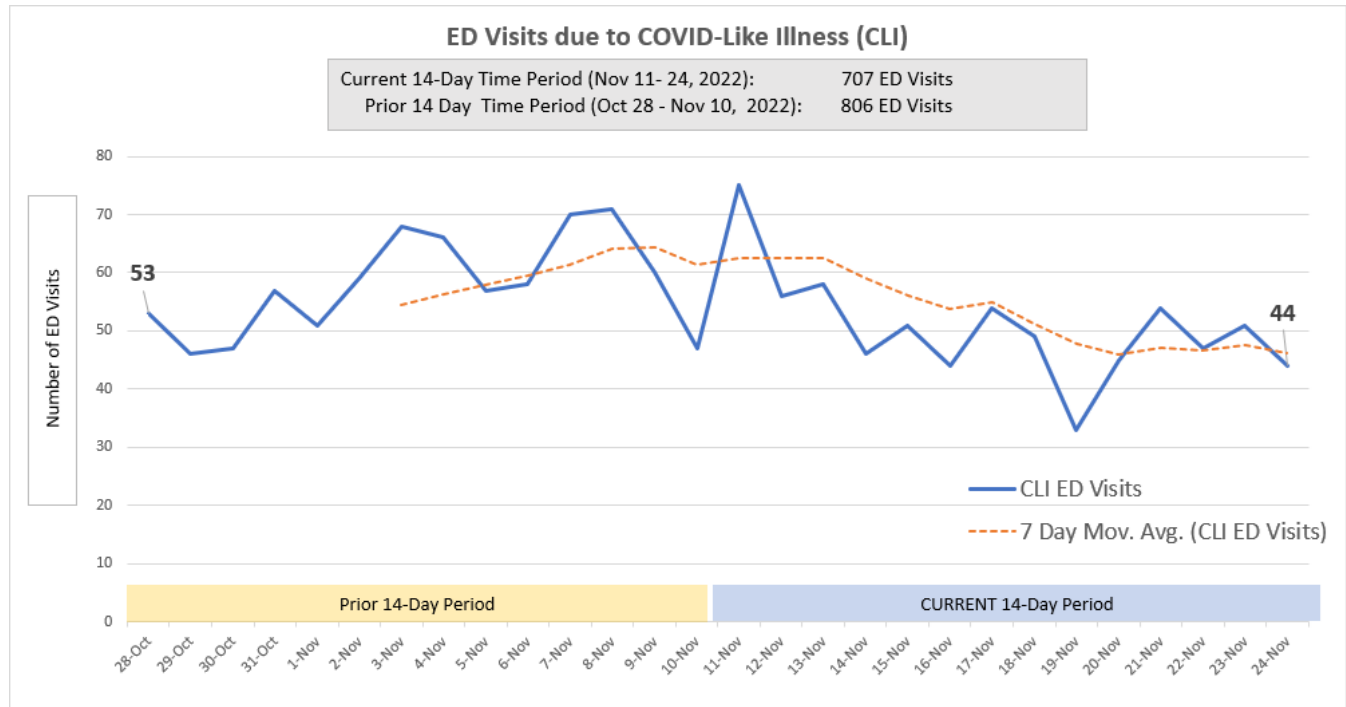
Data reported within the past week should be considered preliminary and will be updated as new information becomes available.

## COVID-LIKE ILLNESS (CLI)\* EMERGENCY DEPARTMENT VISITS

(October 28 – November 24, 2022)

Emergency Department visits for persons experiencing Covid-like illness but **excludes visits that have an influenza diagnosis**. If an ED visit has an influenza diagnosis **and** a covid-related diagnosis the ED visit is **NOT** excluded.

10.5% of CLI visits during the current 14-day period resulted in hospital admissions



Source: NC DECTECT, Mecklenburg County Emergency Department visits

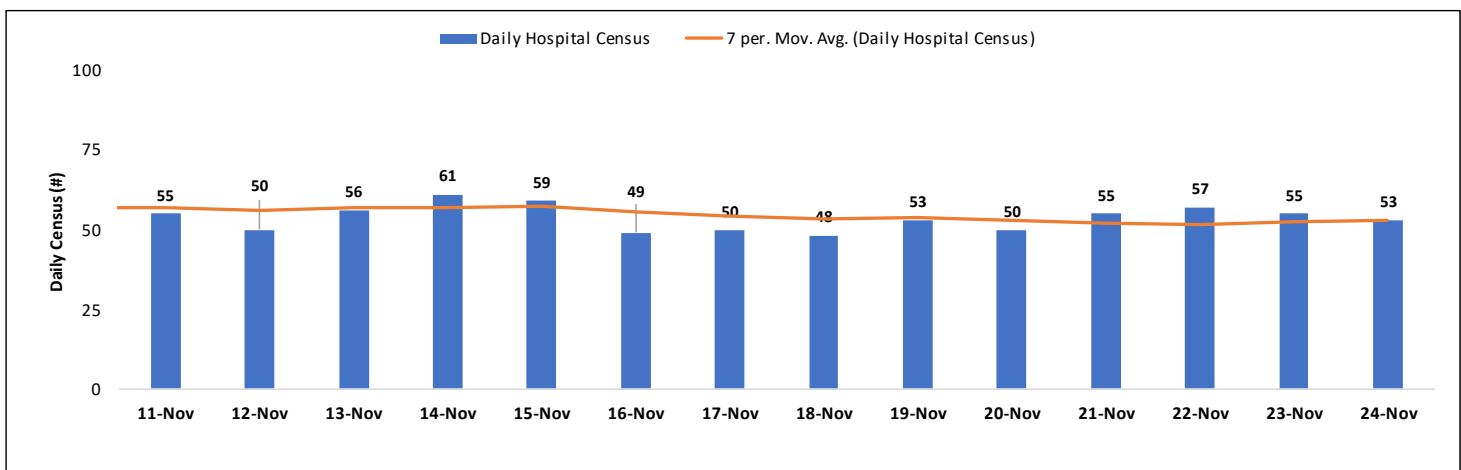
## COVID-19 HOSPITALIZATIONS (November 11 – 24, 2022)

Hospital Census Data reflect the daily number of people with COVID-19 that are hospitalized at Atrium Health and Novant Health acute care facilities in Mecklenburg County. One person with COVID-19 can stay in the hospital for multiple days, and so this reflects the number of people reported by hospitals.

Current 7-Day Average:  
**53 hospitalizations**



Prior 7-Day Average:  
**54 hospitalizations**

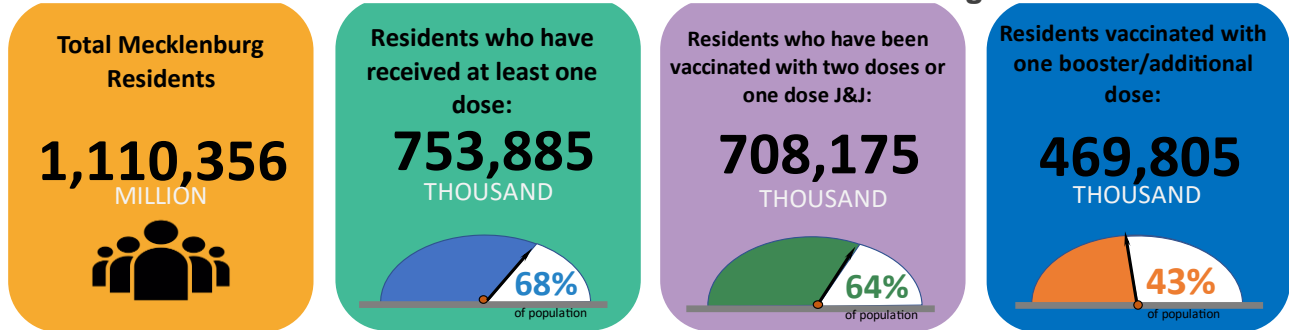


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## MECKLENBURG COUNTY COVID-19 VACCINATION PROGRESS

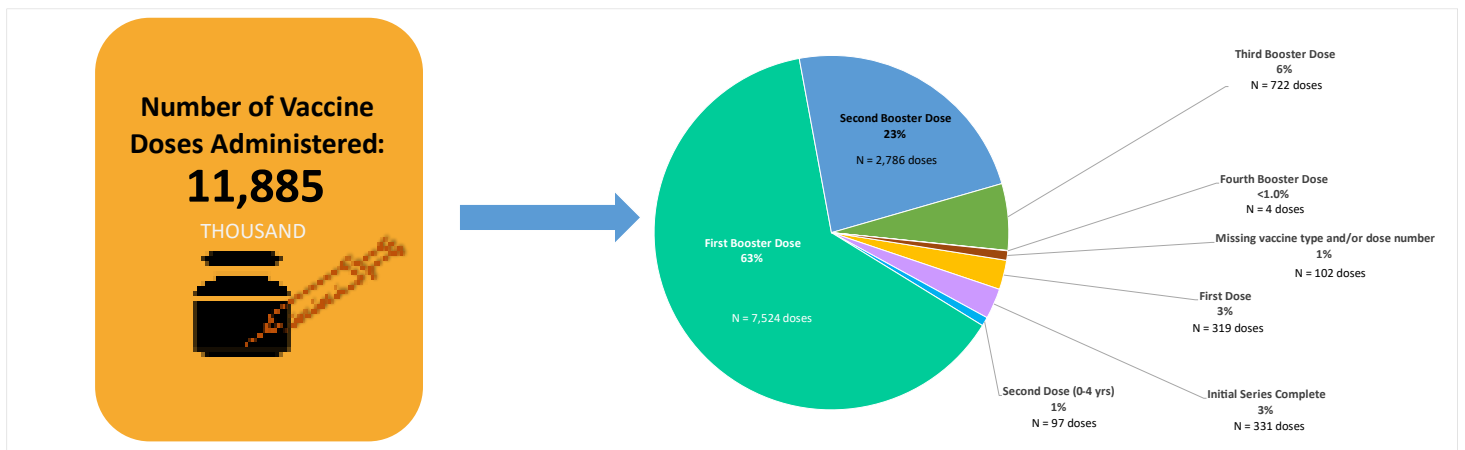
COVID-19 vaccine doses include the total number of doses that have been administered by NC providers and through the federal pharmacy program. Data are for doses administered through a single dose or two-dose vaccine series. Due to a technical issue experienced by NC DHHS, vaccine updates were limited for this report. All data should be considered preliminary and are subject to change as new information becomes available.

### Total COVID-19 Vaccine Doses Administered to Mecklenburg Residents



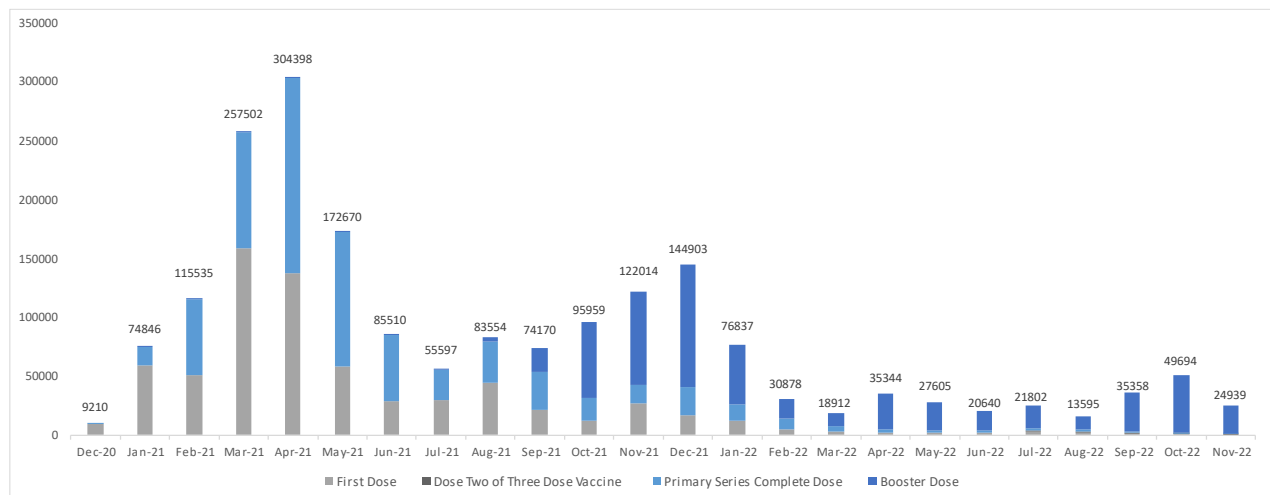
Data Sources:  
 US Census, 2019 Mecklenburg County, NC Population Estimates  
 NC DHHS COVID Vaccination Monitoring System  
 Data as of November 23, 2022

### Distribution of COVID-19 Vaccine Doses by Type of Doses Administered in Past 14 – Days (November 11 – 24, 2022)



### Trends in Number of COVID-19 Vaccinations in Mecklenburg County December 14, 2020 – November 24, 2022

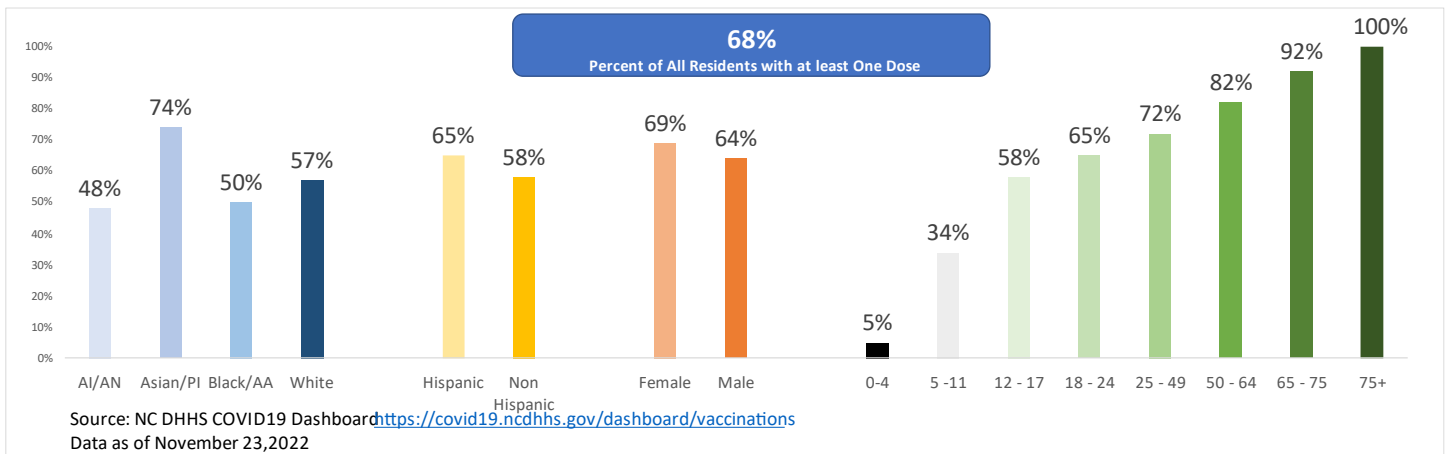
COVID-19 Vaccine Doses Administered (by Month)



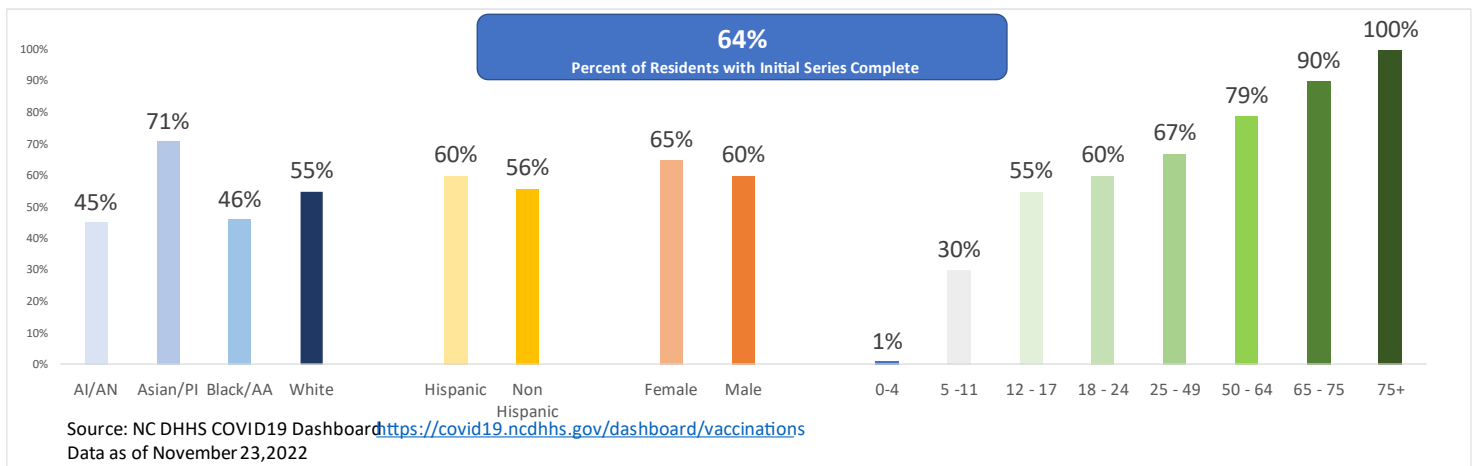
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# VACCINATION DEMOGRAPHIC OF MECKLENBURG RESIDENTS

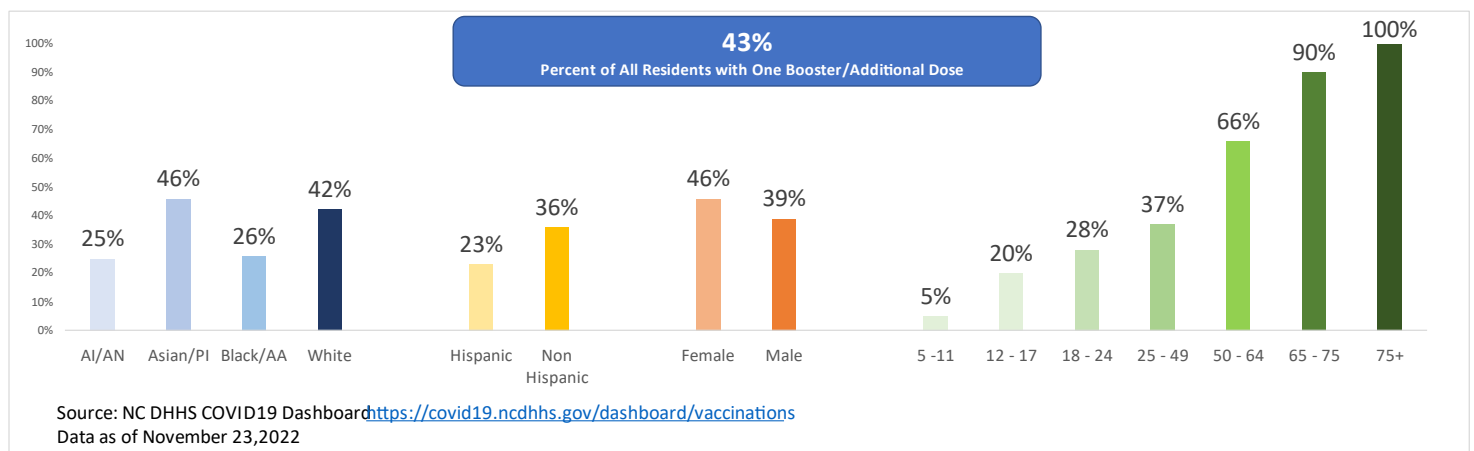
## Percent of Population Vaccinated with At Least One Vaccine Dose



## Percent of Population Vaccinated with Two Doses or one JJ (Completed Series)



## Percent of Population Vaccinated with One Booster/Additional Dose



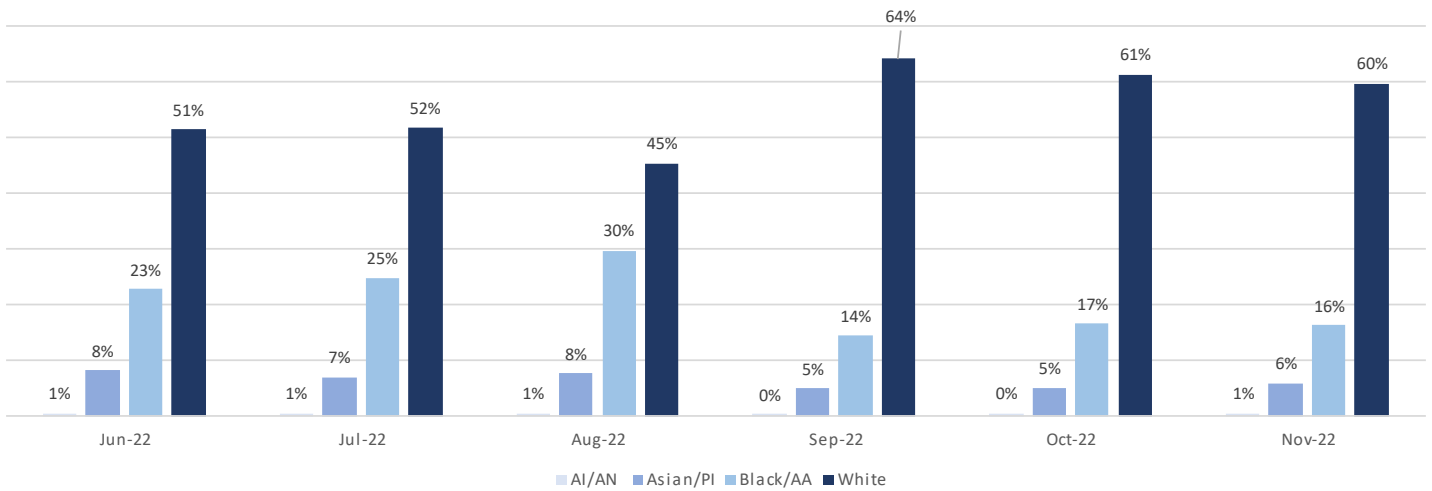


# COVID-19 Vaccine First Booster Doses Administered

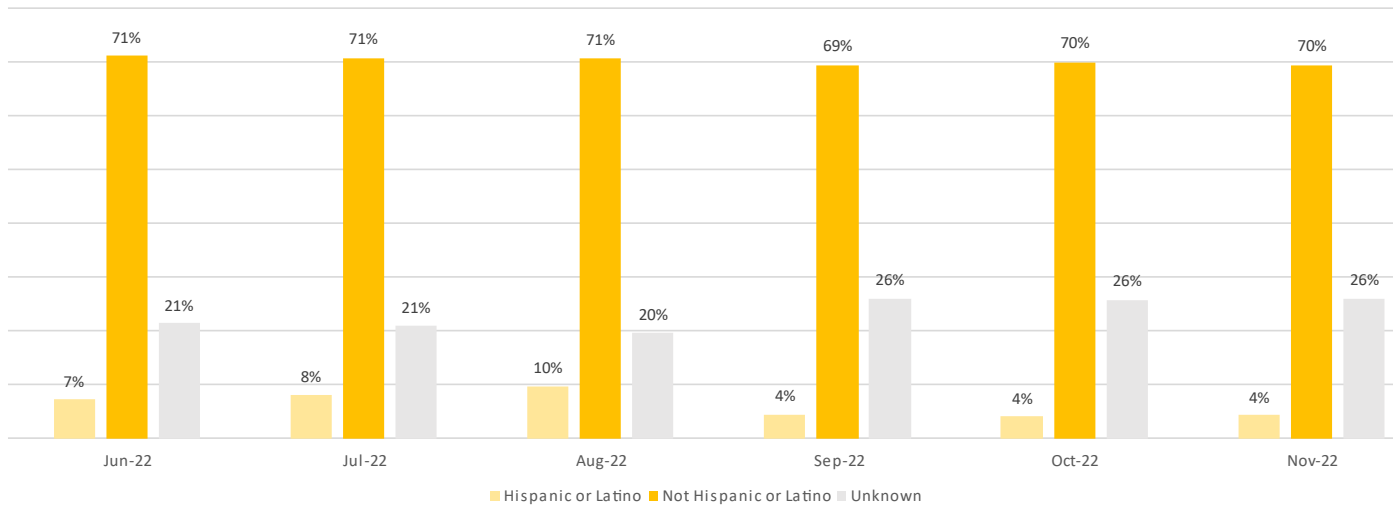
## Share of Vaccinations by Race, Ethnicity, and Age

(June 1 – November 24, 2022)

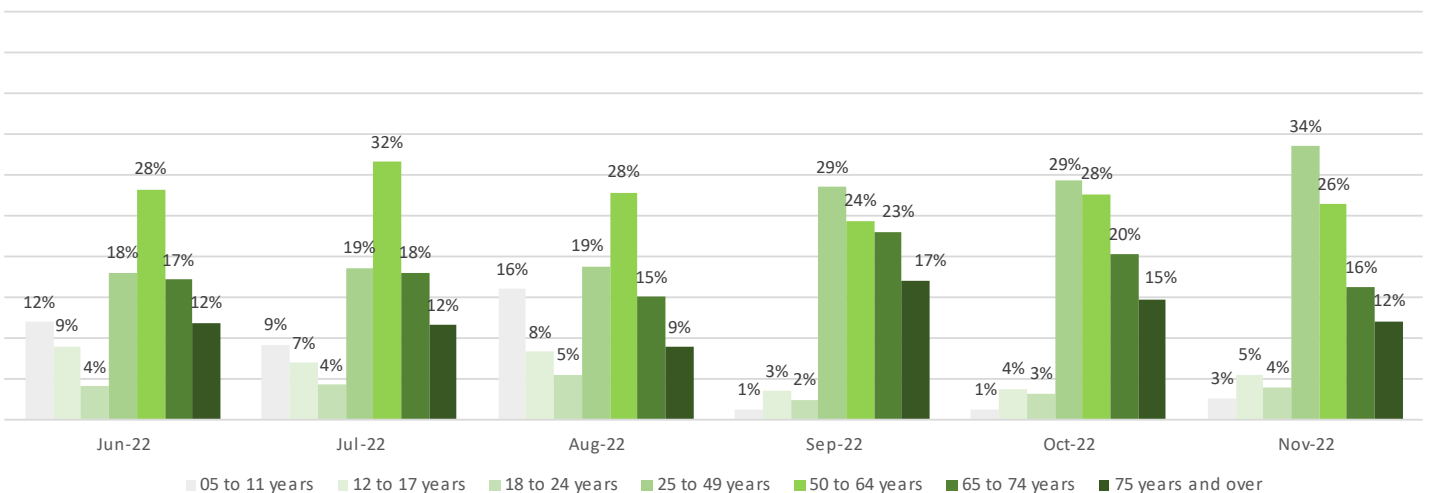
First Booster Doses by Race (%)



First Booster Doses by Ethnicity (%)



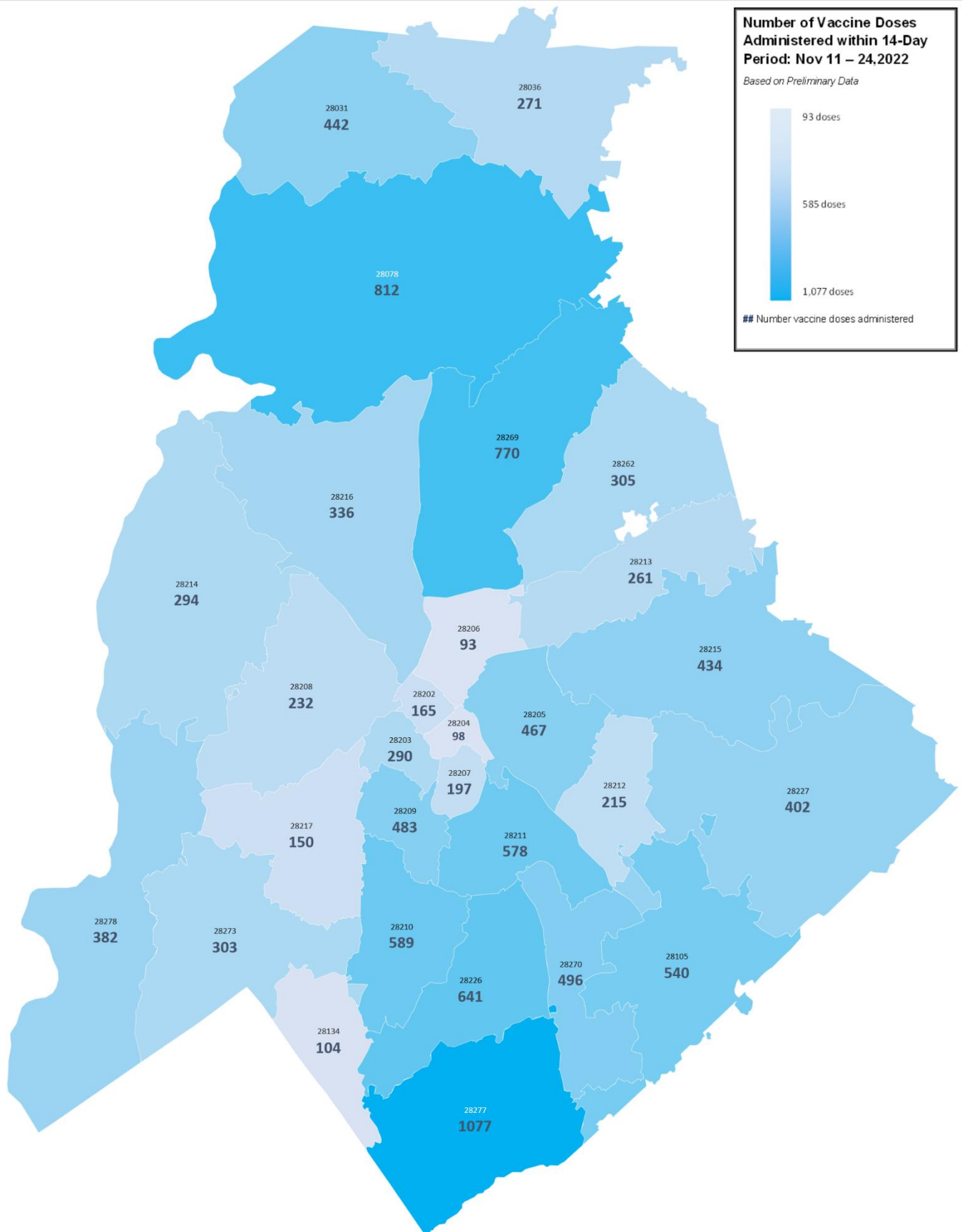
First Booster Doses by Age Group (%)



*By Zip Code of Reported Residency (preliminary data)*

# Number of Vaccine Doses Administered in Past 14 - Days, November 11 – 24,2022

By Zip Code of Reported Residency



Data reported within the past week should be considered preliminary and will be updated as new information becomes available.