

WEEKLY COVID-19 REPORT FOR EXTERNAL USE

MON JUNE 28 - TUESDAY JULY 6, 2021

CONTENTS

KEY TAKEAWAYS	2
1.0 COVID-19 SNAP SHOT	4
1.1 TOTAL TESTS AND PERCENT POSITIVITY BY MODALITY IN RICHMOND AND HENRICO	4
1.2 CONFIRMED CASES, HOSPITALIZATIONS, FATALITIES, AND PROBABLE CASES BY COUNTY	4
1.3 CURRENT COVID-19 HOSPITALIZATIONS IN THE RICHMOND CATCHMENT AREA ON JULY 6, 2021	5
2.0 COVID-19 CASES	5
2.1 SUMMARY OF CASES	5
2.2 CASE REPORTS TRENDS BY DATE (SOURCE-VDH WEBSITE)	6
2.3 CASES BY SEX BY COUNTY	7
2.5 CASES AND POPULATION PROPORTIONS BY RACE AND ETHNICITY BY COUNTY	9
3.0 HOSPITALIZATIONS & FATALITIES	11
3.1 SUMMARY OF HOSPITALIZATIONS & FATALITIES	11
3.2 COVID-19 HOSPITALIZATIONS, ICU HOSPITALIZATIONS, & VENTILATOR UTILIZATIONS IN THE RICHMOND CATCHMENT AREA	11
4.0 VACCINATION	12
4.1 VACCINE SUMMARY	12
4.2 PERCENTAGE OF VACCINATION GOALS REACHED BY POPULATION	12
4.3 VACCINATIONS BY LOCALITY AS OF JUNE 21, 2021 - SOURCE: VDH.VIRGINIA.GOV	13
4.4 VACCINE DISTRIBUTION BY DEMOGRAPHIC SUBGROUP	14

KEY TAKEAWAYS

CASES

Cases in both districts continue to decline, with a **7-day average** of 3 new cases per day, per 100,000 population in Richmond and 5 cases per day, per 100k in Henrico.

Richmond City & Henrico County	
Demographic	Highest Proportion
Age	20-29 Year Olds
Sex	Females
Race	Black

HOSPITALIZATIONS & FATALITIES

Hospitalizations among Richmond residents are fluctuating with a 7-day average of about 1. There have been **0 fatalities** in Richmond since the start of June. **Hospitalizations** among Henrico residents are decreasing, with a 7-day average of 1 daily new hospitalization reported. There have been **5 fatalities** in Henrico since the start of the month of June. *Hospitalizations & Deaths by subgroup (sex, age, and race) are reported on a monthly basis. Data may be impacted by a lag in reporting.*

Richmond Catchment Area: Hospital Status Board Trends			
Time Period	Hospitalizations	ICU Hospitalizations	Ventilator Utilizations
2021 January 1st, 2021 →			
Last 4 Weeks June 8th, 2021 →			

**11 out of 11 hospitals in the Richmond Catchment Area are operating at a 'Normal' clinical status.*

VACCINATIONS

Richmond and Henrico Health Districts are in Phase 2 of vaccination; anyone 12 or older is eligible to receive a vaccine. Local health departments currently appear to be administering the largest percentage of vaccines to Richmond and Henrico residents, compared with other providers.

Local Vaccination Stats & Regional Comparison		
Location	≥ 1 Dose	Complete
Richmond City & Henrico County	54.0%	46.8%
Region	54.8%	47.7%

Vaccination Demographic Trends		
Demographic	Richmond City	Henrico County
Age Groups ≥ 70% Vaccinated	65+	50+
Sex	Female	
Race	White	

In both Richmond and Henrico, older age groups have consistently been vaccinated at a higher rate than younger age groups. Page 33 includes an estimated breakdown of vaccination uptake by race and age subgroups.

1.0 COVID-19 SNAP SHOT

1.1 TOTAL TESTS AND PERCENT POSITIVITY BY MODALITY IN RICHMOND AND HENRICO

Total tests by testing modality and the associated 7-day average in percent positivity are summarized in the table below. Data are from the [VDH public dashboard](#) on July 06, 2021.

	RICHMOND CITY		HENRICO COUNTY	
	Tests	Positivity	Tests	Positivity
PCR*	320,806	3.0%	337,874	2.3%
Antigen	60,660	1.8%	98,246	4.7%
Total (PCR, antigen, and antibody)	386,800	3.2%	444,970	3.5%

1.2 CONFIRMED CASES, HOSPITALIZATIONS, FATALITIES, AND PROBABLE CASES BY COUNTY

CASE STATUS	RICHMOND CITY	HENRICO COUNTY	VIRGINIA
New cases this week (July 6)	-127	322	1409
All cases	17025	26051	681326
Confirmed cases	14022	19189	530151
Hospitalizations	812	1071	29083
Deaths	234	568	9653
Probable cases	3003	6862	151175
Hospitalizations	20	48	1568
Deaths	37	70	1781
Case rate per 100,000	7388.2	7874.7	7982.2

Weekly cases added are estimated as the difference between the cases recorded from the current and prior week

*Case Rate per 100,000=(confirmed+probable)/population count *100,000.*

Population estimates for the case rate are from 2019 data compiled by the National Center for Health Statistics (NCHS).

1.3 CURRENT COVID-19 HOSPITALIZATIONS IN THE RICHMOND CATCHMENT AREA ON JULY 6, 2021

The data included in this section comes from VHASS and it includes data from the following hospitals: VCU Health System, Retreat Doctors', Bon Secours Community, CWJ Chippenham, CWJ Johnson Willis, VA Medical Center, Bon Secours St. Mary's, Henrico Doctors, and Parham Doctors, Bon Secours St. Francis, and Memorial Regional Medical Center.

	TOTAL IN USE FOR COVID-19	CURRENTLY AVAILABLE
Confirmed Hospitalizations	24	232
Pending Hospitalizations	5	
Confirmed - ICU	6	71
Pending - ICU	0	
Confirmed - Ventilators	2	310
Pending - Ventilators	0	

Within these 11 hospitals that comprise the Richmond catchment area, there are currently 232 total available hospital beds, 71 available adult ICU beds, and 310 available ventilators. Based on the VHASS hospital dashboard on July 6, 2021, all 11 hospitals in the Richmond Catchment area are operating at normal clinical status.

**A clinical status of “normal” indicates that hospital clinical resources are operating within normal conditions. A clinical status of “full” indicates that hospital clinical resources are exceeded and acceptable care cannot be provided to additional patients. Diversion or Community surge response is required.

2.0 COVID-19 CASES

2.1 SUMMARY OF CASES

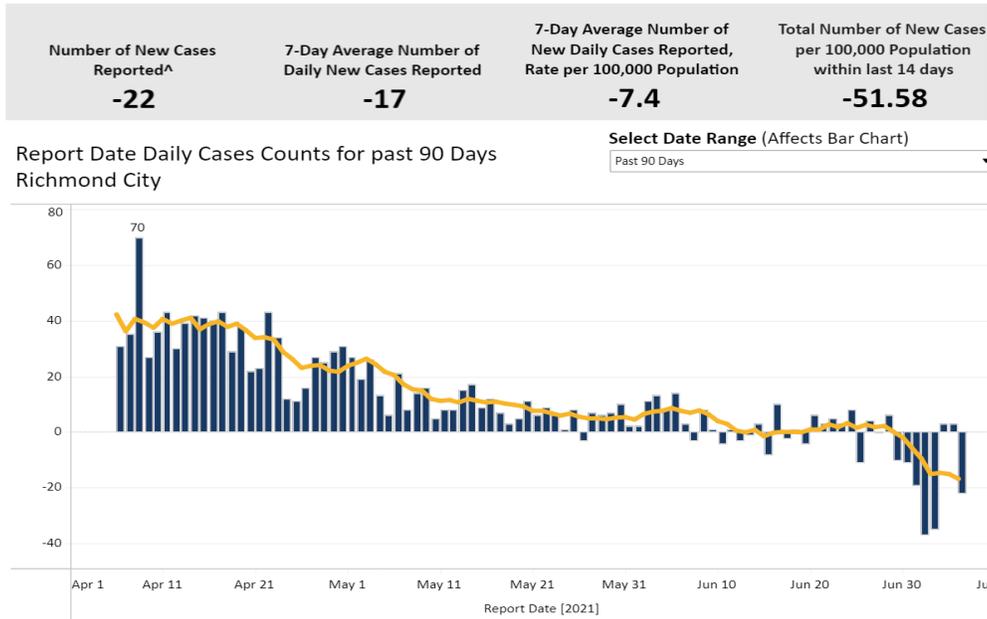
Cases

Cases in both districts continue to decline, with a 7-day average of -7.4 new cases per day, per 100,000 population in Richmond and 13.4 new cases per day, per 100,000 population in Henrico.

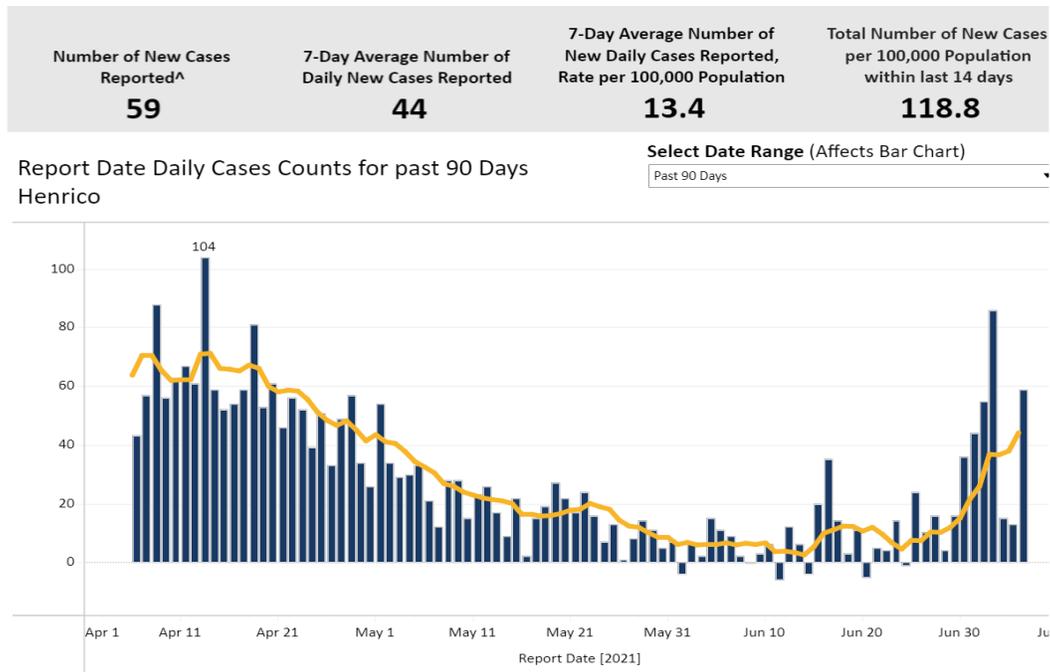
*Negative case rates are observed when cases from one district are reallocated to another.

In both districts, females comprise a higher proportion of cases and 20-29 year olds continue to lead case counts. Regarding race and ethnicity, the highest proportion of cases in both districts is still among Black individuals. Additionally, in Henrico, the percentage of cases among the Latino population is disproportionately high as compared to their population percentage.

2.2 CASE REPORTS TRENDS BY DATE (SOURCE-VDH WEBSITE)



- In Richmond, the 7-day average number of daily new cases reported this week shows a continued decrease in overall case counts. No new cases were reported on July 6, 2021. The 7-day average of new daily cases is currently -7.4 per 100,000 population.

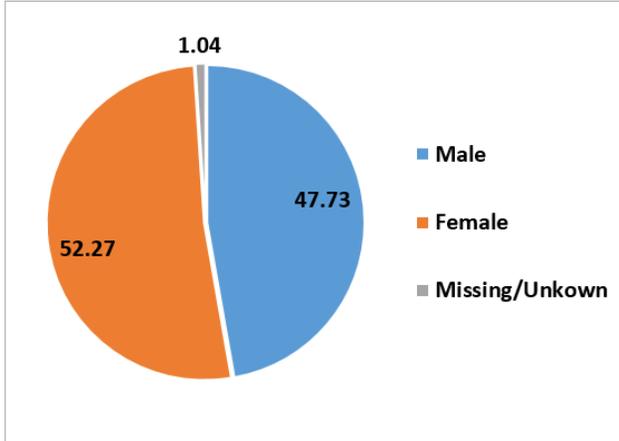


- In Henrico, the number of new cases reported per day is fluctuating, though still at a much lower count than in previous months. 59 new cases were reported on June 6, 2021. The 7-day average number of cases reported daily in Henrico County is 13.4 per 100,000 population.

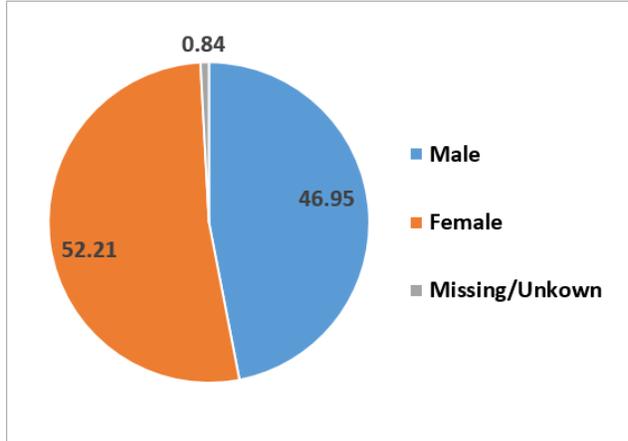
2.3 CASES BY SEX BY COUNTY

All percentages are based on overall case distribution, rather than the proportion of known cases for each measure, and therefore may not correspond directly with VDH percentages.

COVID-19 case distribution by Sex in the last 4 weeks (June 6 – July 5, 2021)—Richmond City, VA (N=88)

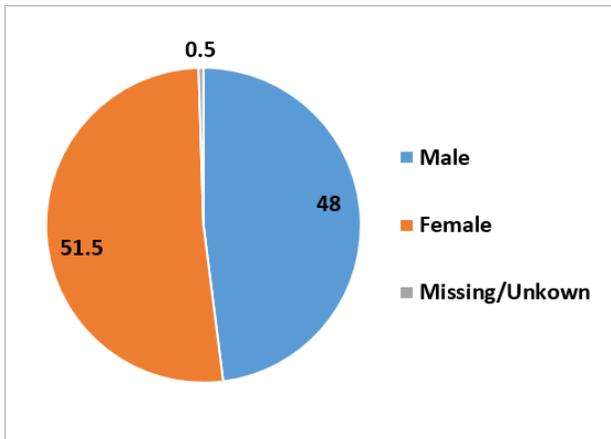


Cumulative COVID-19 case distribution by Sex as of July 5, 2021 —Richmond City, VA (n= 17025)

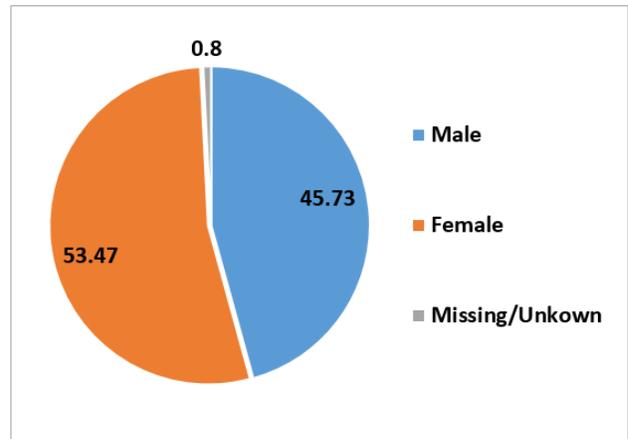


- In Richmond, over the last four weeks, females have comprised a majority of cases (52.27%) when compared to males (47.73%). Sex data has been Missing/Unknown for 1.04% of cases over the last four weeks.

COVID-19 case distribution by Sex in the last 4 weeks (June 6 – July 5, 2021)— Henrico County, VA (N=200)



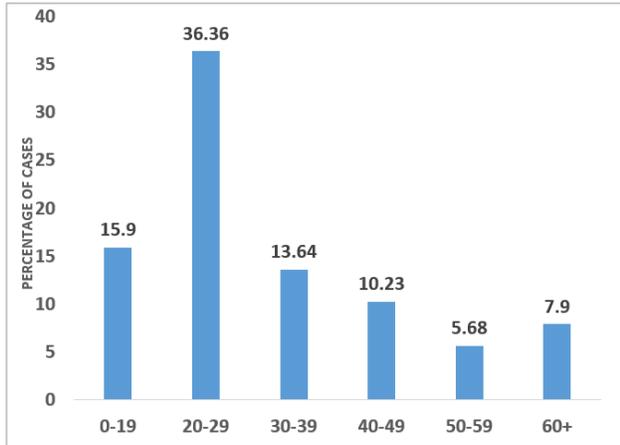
COVID-19 cases by Sex as of July 5, 2021 —Henrico County, VA (n=26051)



- In Henrico, over the last four weeks, females have comprised 51.5% of cases, whereas males have comprised 48% of cases.

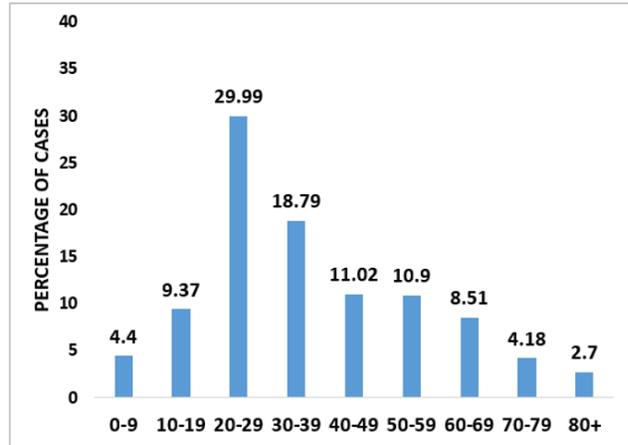
2.4 CASES BY AGE GROUP BY COUNTY

COVID-19 case distribution by Age in the last 4 weeks (June 6 – July 5, 2021)—Richmond City, VA (N=88)



Age is missing for 10.23% (n=9) cases

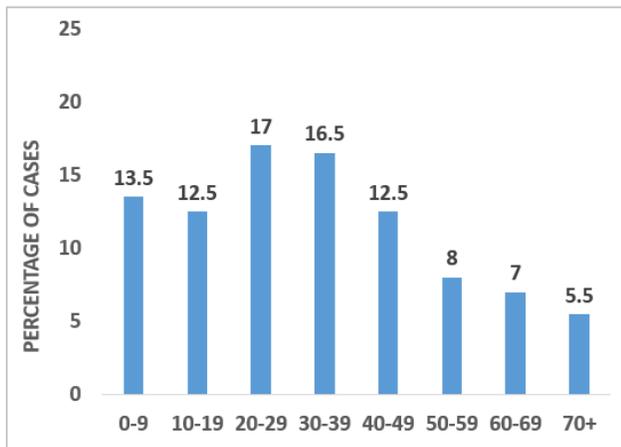
Cumulative COVID-19 case distribution by Age as of July 5, 2021 —Richmond City, VA (n= 17025)



Age is missing for .14% (n=24) cases

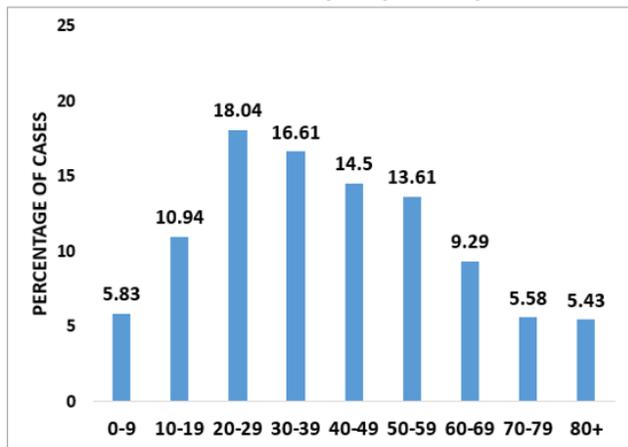
- In Richmond City, individuals aged 20-29 still comprise the highest case rate in the last four weeks (36.36%), followed by a more uniform distribution of case rates for surrounding age groups.
- Case rates for individuals aged 80 and over are noticeably down, with no reported cases in the last four weeks among individuals 80 and over.

COVID-19 case distribution by Age in the last 4 weeks (June 6 – July 5, 2021)— Henrico County, VA (N=200)



Age is missing for 7.5% (n=15) cases

Cumulative COVID-19 cases by Age as of July 5, 2021 —Henrico County, VA (n=26051)



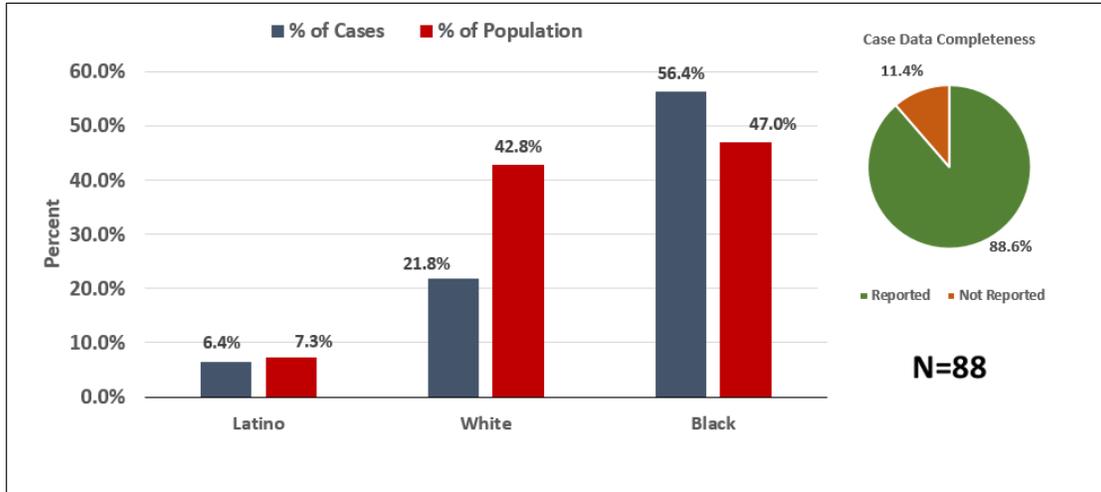
Age is missing for .17% (n=43) cases

- In Henrico, case rates in the last four weeks are fairly uniform for all age groups under 50, a change from cumulative case rates, where individuals aged 20-29 have one of the higher case rates.
- Case rates are notably down for older age groups, with a particularly notable drop for individuals 80 and over.

2.5 CASES AND POPULATION PROPORTIONS BY RACE AND ETHNICITY BY COUNTY

Population totals are based on 2019 data from the National Center for Health Statistics (NCHS). Please note - this is a change from previous reports which used Census data to estimate population by race and ethnicity group. The categories for NCHS population estimates do not include one for "Other Race" or "Two or More Races."

**COVID-19 case distribution by Race and Ethnicity in the last 4 weeks
(June 6 – July 5, 2021)—Richmond City, VA**

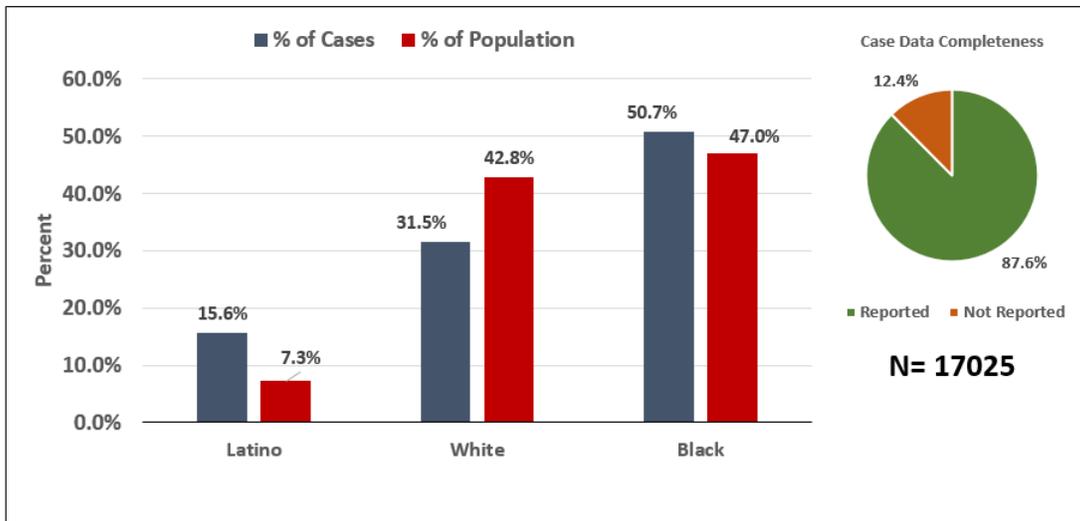


*For race/ethnicity identification among cases, "Not Reported" comprises 11.36% (n=10).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

NCHS population estimates do not include one for "Other Race" or "Two or More Races."

**Cumulative COVID-19 case distribution by Race and Ethnicity
as of July 5, 2021 —Richmond City, VA (n= 17025)**



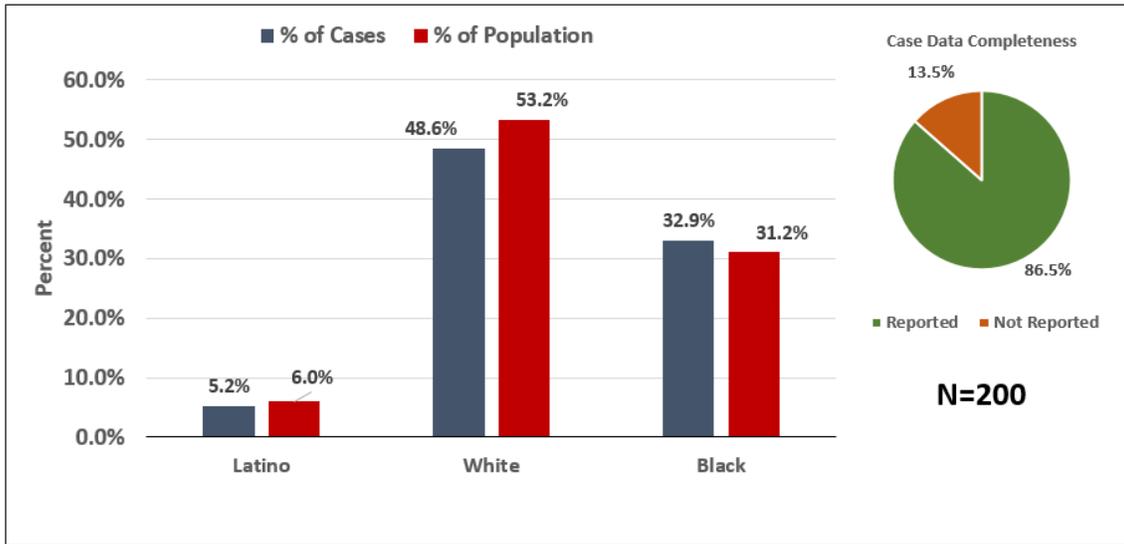
*For race/ethnicity identification among cases, "Not Reported" comprises 12.43% (n=2116).

*Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity

NCHS population estimates do not include one for "Other Race" or "Two or More Races."

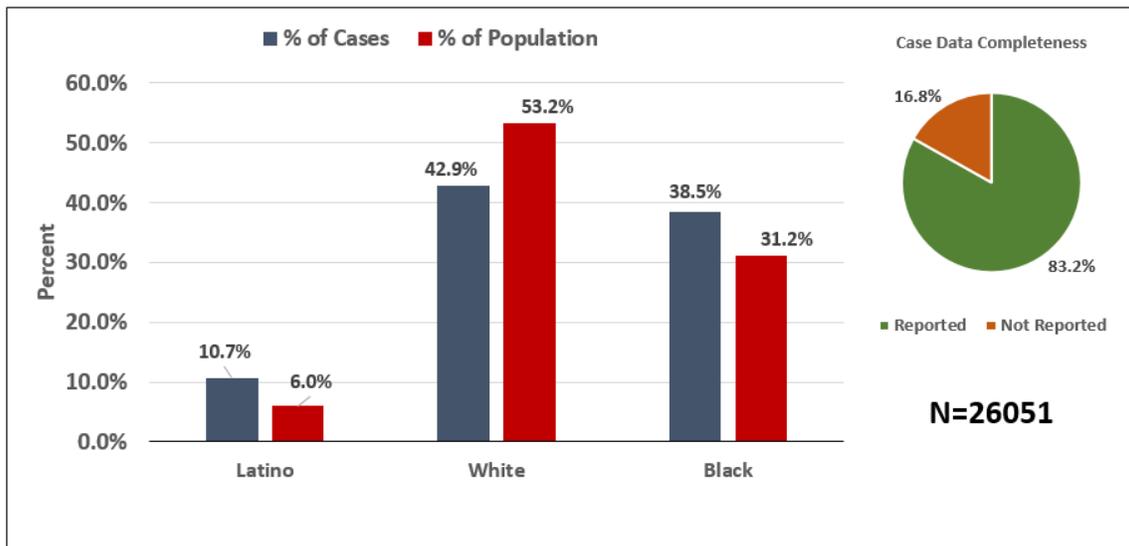
- In Richmond, the case burden for Black individuals over the last 4 weeks (56.4%) is disproportionately high relative to their population percentage (47%), while the case burden for White individuals is disproportionately low (21.8%) relative to their population percentage (42.8%).

**COVID-19 case distribution by Race and Ethnicity in the last 4 weeks
(June 6 – July 5, 2021)— Henrico County, VA (N=200)**



*For race/ethnicity identification among cases, "Not Reported" comprises 13.5% (n=27).
 *Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity
 NCHS population estimates do not include one for "Other Race" or "Two or More Races."

**Cumulative COVID-19 case distribution by Race and Ethnicity as of July 5, 2021
—Henrico County, VA (n=26051)**



*For race/ethnicity identification among cases, "Not Reported" comprises 14.08% (n=3667).
 *Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity
 NCHS population estimates do not include one for "Other Race" or "Two or More Races."

- In Henrico, the case burden for Black individuals over the last 4 weeks (32.9%) is high relative to their population percentage (31.2%). The case burden for White individuals over the last four weeks has been relatively low (48.6%) compared to their population percentage (53.2%). The case burden over the past four weeks for Latino individuals (5.2%) has been disproportionately high as compared to their population percentage (6%).

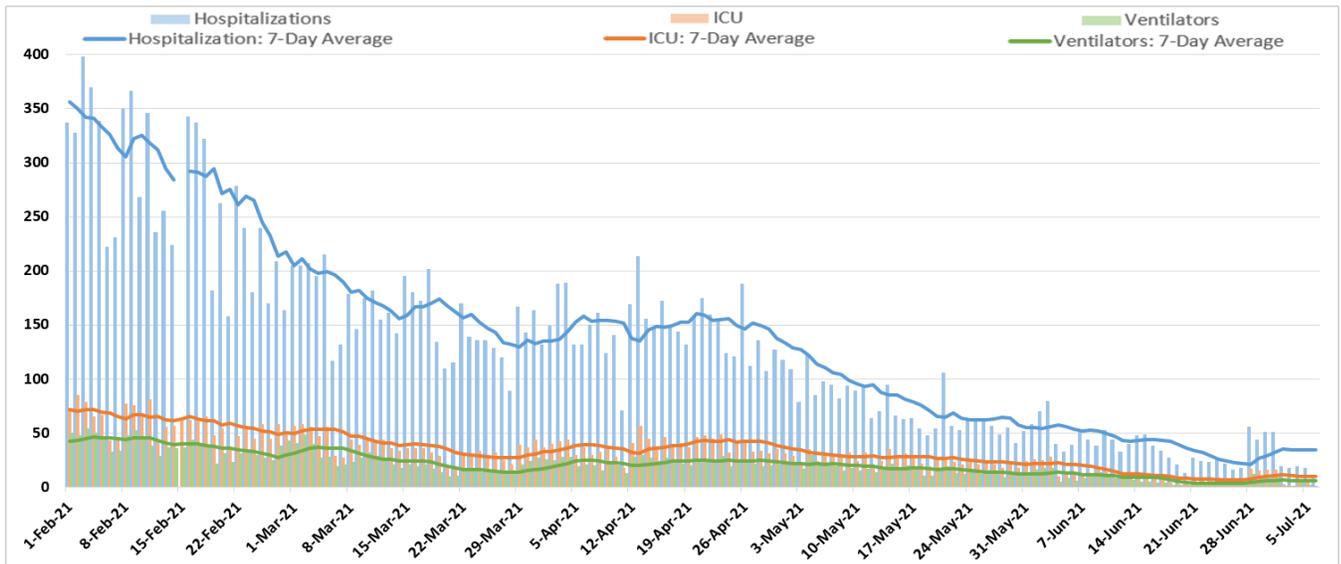
3.0 HOSPITALIZATIONS & FATALITIES

3.1 SUMMARY OF HOSPITALIZATIONS & FATALITIES

Hospitalizations based on date of admission among Richmond residents are fluctuating, but are for the most part low and stable with a 7-Day average of about 1 new hospitalization reported per day. Hospitalizations among Henrico residents are decreasing, with a 7-day average of 1 daily new hospitalization reported. Looking more broadly at health systems within the Richmond catchment area, hospitalizations, ICU hospitalizations, and ventilator utilizations are also decreasing. Hospitalizations have shown recent fluctuations but have generally stayed at a decreased level as compared to January of this year. All eleven hospitals in the Richmond catchment area are operating at a normal clinical status. *Hospitalizations & Deaths by subgroup (sex, age, and race) are reported on a monthly basis.*

3.2 COVID-19 HOSPITALIZATIONS, ICU HOSPITALIZATIONS, & VENTILATOR UTILIZATIONS IN THE RICHMOND CATCHMENT AREA

Total Daily COVID-19 Hospitalizations, ICU Hospitalizations, and Ventilator Utilizations
February 1, 2021 – July 6, 2021
Richmond Catchment Area



*Counts Displayed in Above Metric - Hospitalizations: 20288 of 76081, ICU Hospitalizations: 5127 of 18522, Ventilator Utilizations: 3186 of 10298

- Hospitalizations, ICU Hospitalizations, and Ventilator Utilizations in the Richmond Catchment area have followed a downward trend since the most recent notable peak during the last week of April. Recent upticks in hospitalizations were noted during the last week of June.

4.0 VACCINATION

4.1 VACCINE SUMMARY

Richmond and Henrico Health Districts are in Phase 2 of vaccination. Anyone 12 or older is eligible to receive a vaccine. As of July 6, 54.8% of the region’s population has received at least one dose of the vaccine and 47.7% of the region’s population has been fully vaccinated. Approximately 54.0% of Richmond and Henrico’s combined population has received at least one dose and 46.8% of the two districts combined population has been fully vaccinated. Local health departments currently appear to be administering the largest percentage of vaccines to Richmond and Henrico residents, compared with other providers.

The majority of vaccine recipients in both districts have been female. In both Richmond and Henrico, older age groups have consistently been vaccinated at a higher rate than younger age groups, with individuals in Richmond 65 and over, in Henrico 65 and over, and in Henrico between 50 and 64 all reaching the 70% goal for vaccinated percentage. Available data indicate that eligible White individuals have received the majority of the vaccine in both districts.

4.2 PERCENTAGE OF VACCINATION GOALS REACHED BY POPULATION

		POPULATION	POPULATION GOAL (70%)	PEOPLE WITH AT LEAST ONE DOSE	PEOPLE FULLY VACCINATED
Richmond	12-17	11,150	7,805	3,840 (34.4%)	2,830 (25.4%)
	18+	190,750	133,525	104,617 (54.8%)	91,256 (47.8%)
	65+	31,809	22,266	23,793 (74.8%)	21,173 (66.6%)
Henrico	12-17	25,954	18,168	13,401 (51.6%)	9,793 (37.7%)
	18+	256,660	179,662	181,423 (70.7%)	158,818 (61.9%)
	65+	52,720	36,904	46,118 (87.5%)	41,474 (78.7%)

Population totals are based on 2019 data from the National Center for Health Statistics (NCHS). Please note - this is a change from previous reports which used Census data to estimate population by age group.

Nationally, the Biden administration is using the **percentage of adults (individuals 18 and over)** to track progress in vaccination.

Though the percentage of the population needed to reach herd immunity is still uncertain, in line with federal guidance, we have set an overall goal of vaccinating 70% of the population. First and second doses of the Pfizer vaccine must be administered at least 21 days apart. First and second doses of the Moderna vaccine must be administered at least 28 days apart. People who received the Johnson & Johnson vaccine, which is a single dose, are included in the count of first doses administered.

4.3 VACCINATIONS BY LOCALITY AS OF JUNE 21, 2021 - SOURCE: VDH.VIRGINIA.GOV

HEALTH DISTRICT	LOCALITY	TOTAL POPULATION	FIRST DOSES ADMINISTERED	SECOND DOSES ADMINISTERED
Chesterfield	Chesterfield	352,802	195,703	168,177
	Colonial Heights	17,370	8,162	6,833
	Powhatan	29,652	14,419	12,742
Chickahominy	Charles City	6,963	3,681	3,406
	Goochland	23,753	15,195	13,895
	Hanover	107,766	63,319	57,286
	New Kent	23,091	11,516	10,322
Henrico	Henrico	330,818	194,824	168,611
Richmond	Richmond City	230,436	108,457	94,086
Total		1,122,651	615,276	535,358

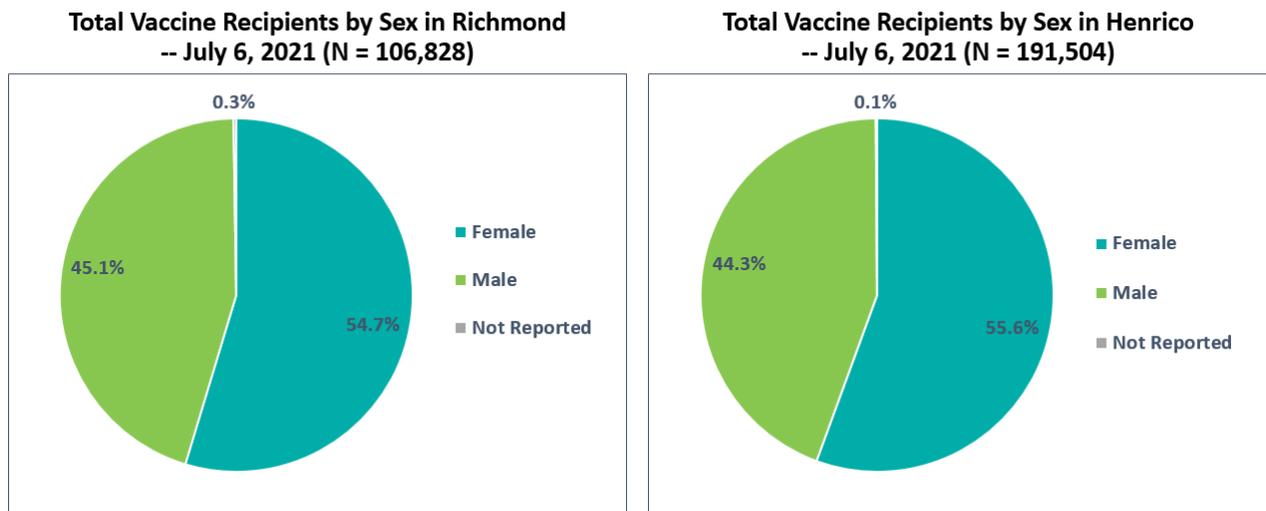
Population totals are based on 2019 data from the National Center for Health Statistics (NCHS). Please note - this is a change from previous reports which used Census data to estimate population by age group.

We have set a goal of vaccinating 75% of the population to reach herd immunity. First and second doses of the Pfizer vaccine must be administered at least 21 days apart. First and second doses of the Moderna vaccine must be administered at least 28 days apart. People who received the Johnson & Johnson vaccine, which is a single dose, are included in the count of first doses administered.

4.4 VACCINE DISTRIBUTION BY DEMOGRAPHIC SUBGROUP

UPDATE: Population estimates for age subgroups and for race and ethnicity subgroups have been changed for this report from the U.S. Census Bureau's American Community Survey (ACS) 2019 5-year estimates to the National Center for Health Statistics (NCHS) 2019 estimates to align with estimates used by other VDH metrics. This change also involves new race and ethnicity categories: Latino or Hispanic, Non-Hispanic White, Black or African-American, Asian or Pacific Islander, and Native American. Racial groups such as Two or more Races and Other Race have been excluded from the following metrics as they are without corresponding NCHS estimates, but the counts for these groups can be seen in the footnotes immediately below.

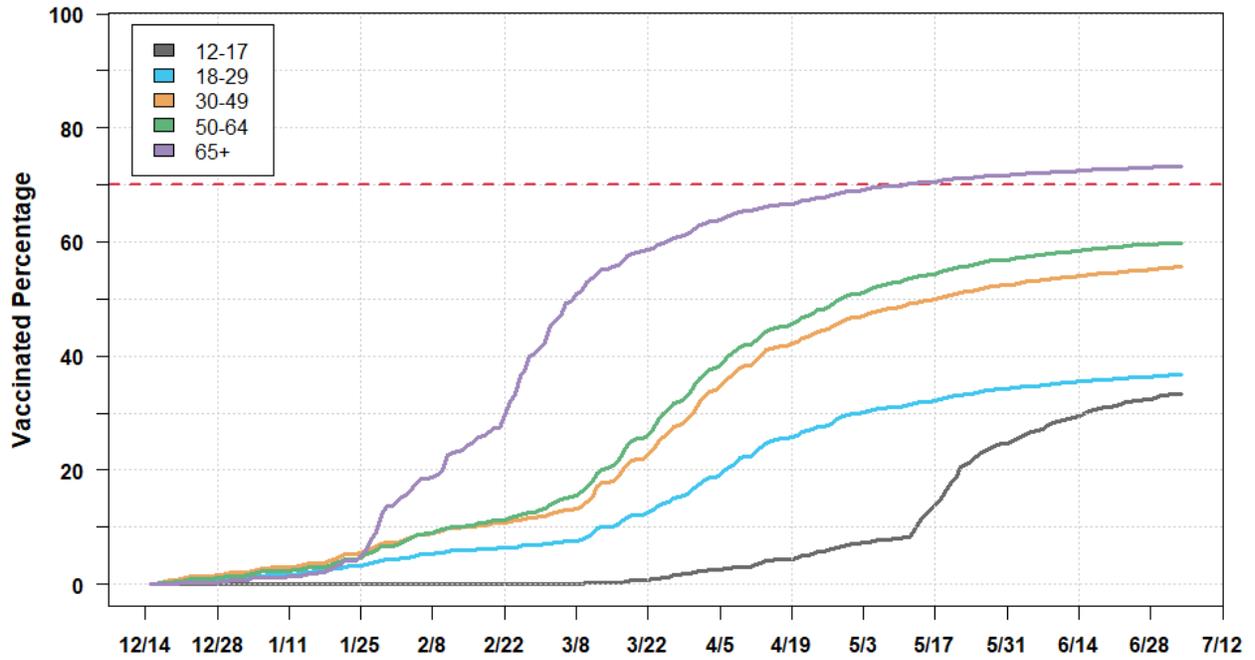
In both Richmond and Henrico, a majority of vaccinated individuals have been female.



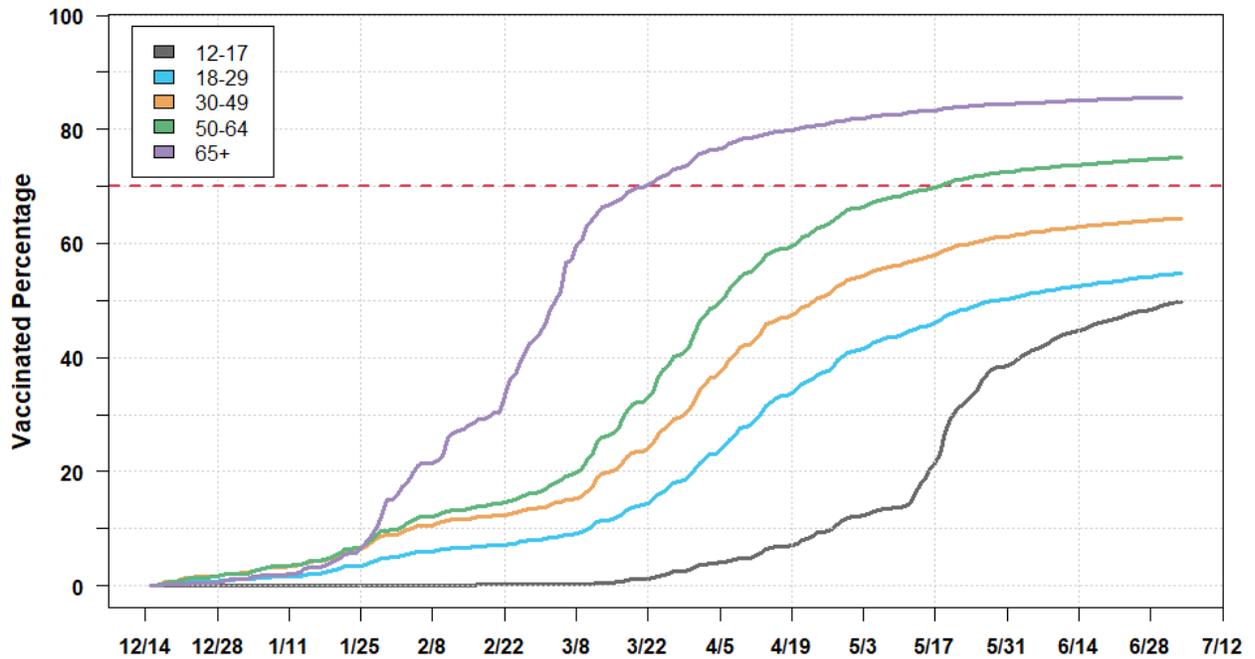
The following charts track vaccination rates by age group over time since vaccinations first began in mid-December.

- We can see a steep increase in vaccination rates in February and early March for individuals 65 and over such that over 70% of this age group is now vaccinated but new vaccinations are rising slowly.
- Individuals aged 18 to 29, 30 to 49, and 50 to 64 in Richmond saw sharp increases in vaccination rates in mid-March through April, with a steady but slower increase in vaccinations from May through June. These same age groups in Henrico saw a similar pattern, but the dropoff to a slower increase did not occur until later May.
- Among individuals aged 12 to 17, vaccination rates increased at a slow pace until vaccine opportunities opened up to the general population and individuals aged 12 to 15 were able to get vaccinated, at which point we have seen a sharp increase in vaccination rates that has not yet noticeably slowed.
- Individuals in Henrico between 50 and 64 reached this threshold in mid-May, while the same age group in Richmond is still well short of this goal.
- Individuals in Henrico have seen consistently higher vaccination rates across all age groups as compared to Richmond.
- All data is subject to lags in reporting, particularly in recent weeks.

Vaccinated Percentage over Time by Age Group - Richmond

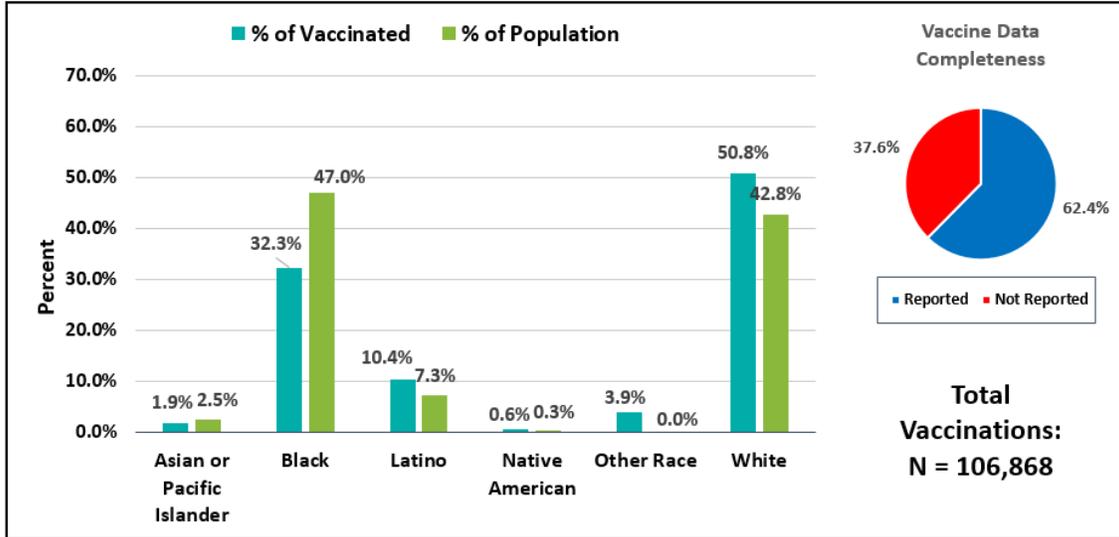


Vaccinated Percentage over Time by Age Group - Henrico



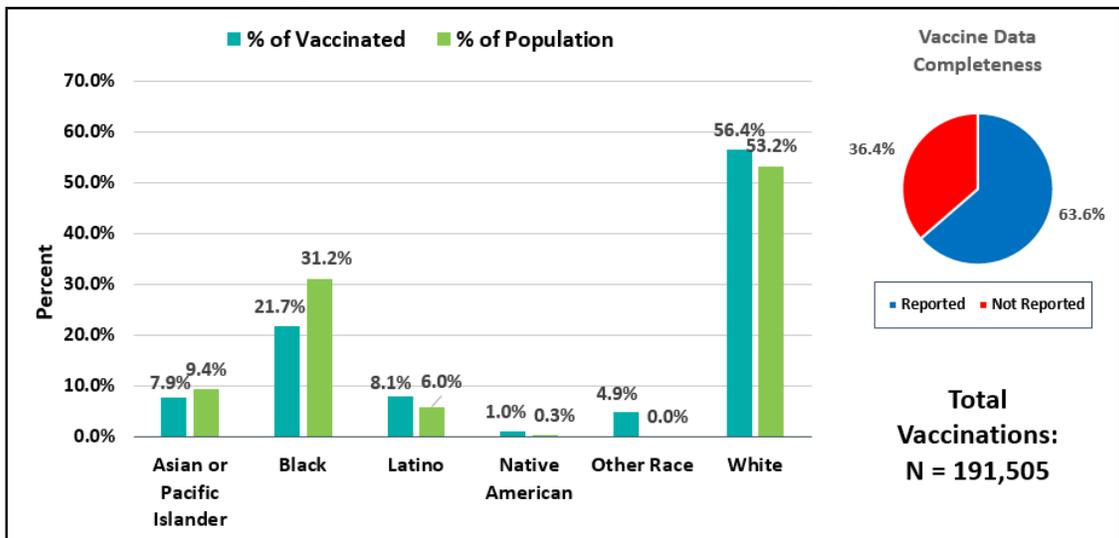
The following charts compare the percentage breakdown of racial or ethnic identification of vaccinated individuals to the expected percentage breakdown of the racial or ethnic identification of the population. A notable discrepancy can be seen when looking at Black individuals, who comprise 47.0% of the Richmond population and 31.2% of the Henrico population yet only 32.3% of vaccine recipients in Richmond and 21.7% of vaccine recipients in Henrico.

Vaccine Recipients vs. Population by Race/Ethnicity Percentages in Richmond – Dec 15, 2020 to July 6, 2021



- * For race/ethnicity of vaccine recipients, "Not Reported" comprises 37.6% (n=40,182).
- * Individuals identifying as "Other Race" account for 2,616 vaccinations (2.4%).
- * Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

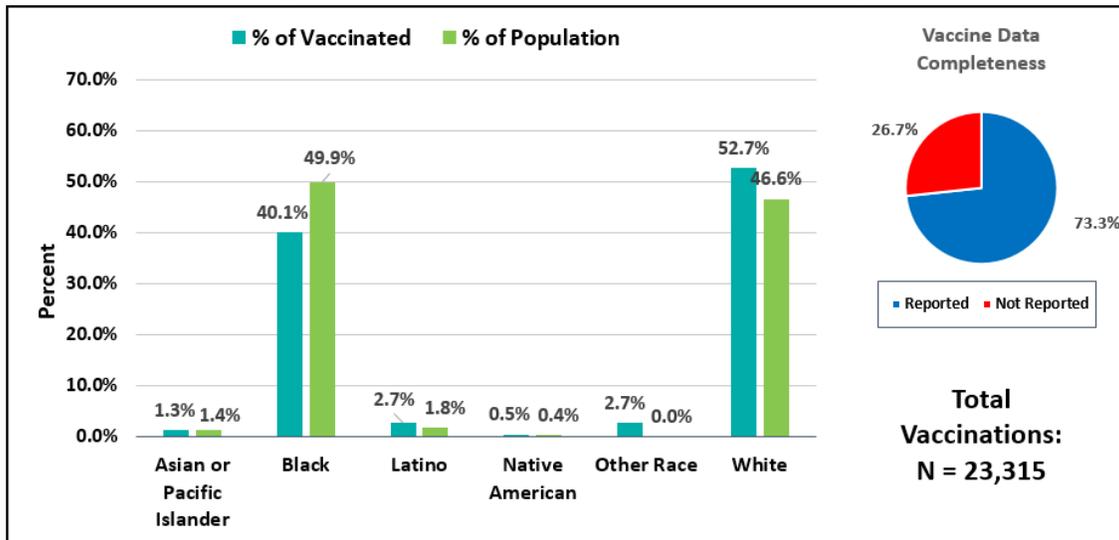
Vaccine Recipients vs. Population by Race/Ethnicity Percentages in Henrico – Dec 15, 2020 to July 6, 2021



- * For race/ethnicity of vaccine recipients, "Not Reported" comprises 36.4% (n=69,651).
- * Individuals identifying as "Other Race" account for 6,020 vaccinations (n=3.1%)
- * Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

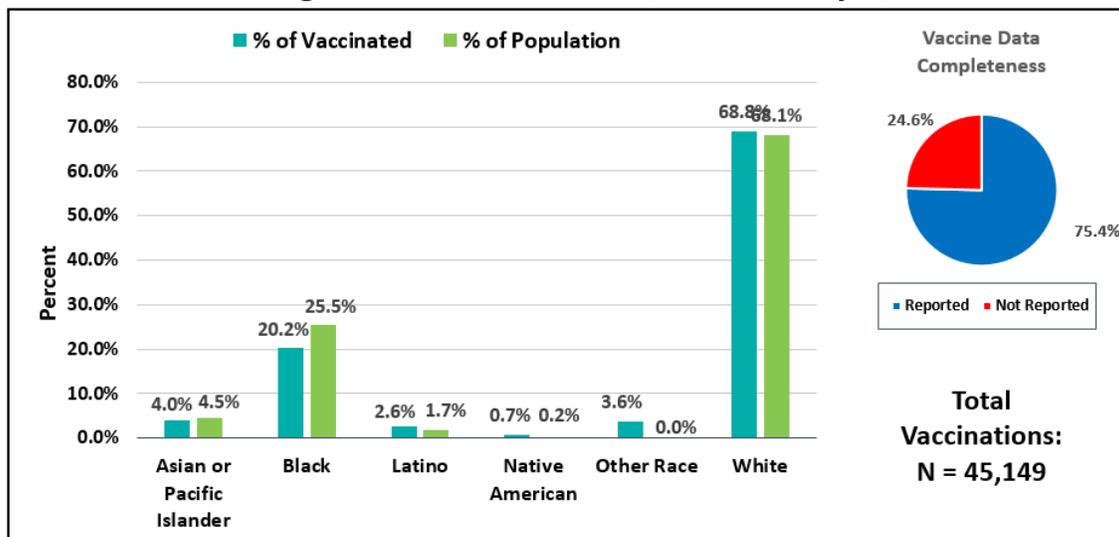
The figures below compare the percentage breakdown by race and ethnicity specifically for individuals 65 and over. In Richmond City, Black individuals comprise 49.9% of the population of those aged 65 years and older, yet make up only 40.1% of vaccine recipients. This discrepancy can also be noted in Henrico, where Black individuals make up 25.5% of the population, yet thus far have only comprised 20.2% of vaccine recipients.

Vaccine Recipients vs. Population 65 and Over by Race/Ethnicity Percentages in Richmond – Dec 15, 2020 to July 6, 2021



- * For race/ethnicity of vaccine recipients, "Not Reported" comprises 26.7% (n=6,227).
- * Individuals identifying as "Other Race" account for 462 vaccinations (2.0%).
- * Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

Vaccine Recipients vs. Population 65 and Over by Race/Ethnicity Percentages in Henrico – Dec 15, 2020 to July 6, 2021



- * For race/ethnicity of vaccine recipients, "Not Reported" comprises 24.6% (n=11,104) of vaccinations.
- * Individuals identifying as "Other Race" account for 1,240 vaccinations (2.7%).
- * Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.