

MONTHLY CASE REPORT FOR EXTERNAL USE

MONTH OF AUGUST (JULY 26, 2021 - AUGUST 22, 2021)

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KEY TAKEAWAYS

- In Richmond and Henrico, there were **211.3 and 190.4 new cases per 100,000 in the last week**, respectively. This is about a **300% increase** compared to the same time period last month.
- According to the [CDC COVID-19 Integrated County View](#) both Richmond and Henrico are experiencing **High rates of community transmission**.
- **PCR percent positivity** has **increased** in Richmond from 5.6% to 12.6 in the last month. Percent positivity was highest in zip codes 23219, 23223, and 23222. Positivity also **increased** in Henrico, from 4.8% to 9.2%. Percent positivity was highest in zip codes 23231 and 23075. **The number of PCR tests administered across providers** has also risen notably in Henrico in the last two months, compared to the preceding three months. Testing has increased in Richmond. 23220 and 23219 in Richmond, and 23230 and 23227 in Henrico had the highest testing rate per ZCTA population, consistent with the last 6 months.
- Following declines in May and June, **cases in both districts increased from late June through July and have held steady through August**. Though there is noise in the data from cases being reallocated between localities, we can still observe an increase in cases over the past month in both Richmond and Henrico. Sections 3.10 and 3.11 provide maps of cases in the past month, including and excluding LTCFs, respectively.
- **In both districts over the last 4 weeks :**
 - **Females** continue to have more cases than males
 - Individuals **Under age 50** have higher case rates than those over 50
 - **Black Individuals** continue to have the highest **case burden**
- **Hospitalizations** have **plateaued** with a 7-day average of **1** admission per day in Richmond and around **1 admission** per day in Henrico. In the Richmond catchment area, hospitalizations, ICU hospitalizations and ventilator utilizations have **increased** throughout the month of August. All 11 hospitals are currently operating at a normal clinical status.
- Regarding **hospitalization demographics**, cumulative hospitalizations are highest among females and Black individuals in both districts. The median age of hospitalization has not changed since last month and is still 61 in Richmond and 67 in Henrico.
- Minor upticks in deaths based on date of death can be noted in Richmond City throughout July and August, but deaths in Henrico County have remained relatively low and stable. Cumulatively, deaths are highest among male individuals and Black individuals in Richmond and highest among female individuals and White individuals in Henrico. The median age of death has remained consistent over the past month at 76 for Richmond City and 80 for Henrico County.
- **Vaccinations**
58.% of the region's population has received at least one dose of the vaccine, and **52.2%** has been fully vaccinated.
- **67.1% of Richmond and Henrico's vaccine eligible population** have received at least **one dose**, while **60.4% have been fully vaccinated**
 - **Females** have received more vaccines overall in both districts
 - **Older age** groups have received more vaccines than younger age groups
 - **Ethnic disparities** in vaccination uptake remain, with black residents of both districts continuing to have lower uptake.

In depth breakdowns of vaccination rates by sex, age group, race, and geography are contained in section 8.

1.0 COVID-19 SNAP SHOT

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

CASE STATUS	RICHMOND CITY	HENRICO COUNTY	VIRGINIA
New cases this month	1340	1749	50976
New cases this week (August 23)	437	534	17432
All cases	18836	28100	741159
Confirmed cases	15263	20454	567306
Hospitalizations	817	1084	31117
Deaths	242	573	9860
Probable cases	3573	7646	173853
Hospitalizations	21	48	1741
Deaths	39	71	1815
Case rate per 100,000	7984.4	8332.7	8176.9

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 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.

1.2 CURRENT COVID-19 HOSPITALIZATIONS IN THE RICHMOND CATCHMENT AREA ON JULY 25, 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	215	97
Pending Hospitalizations	25	
Confirmed - ICU	60	47
Pending - ICU	*	
Confirmed - Ventilators	183	278
Pending - Ventilators	*	

Within these 11 hospitals that comprise the Richmond catchment area, there are currently 47 available adult ICU beds, and 278 available ventilators. Based on the VHASS hospital dashboard on July 26, all hospitals are operating at normal clinical status.

**Counts <5 have been suppressed.*

***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 TESTING ENCOUNTERS AND POSITIVITY

2.1 TESTING SUMMARY

Consistent with the Pandemic Metrics Dashboard, PCR percent positivity has increased in Richmond from 2.1% to 12.6% in the last two months. Percent positivity was highest in zip codes 23219, 23223, and 23222. Positivity also increased in Henrico, from 4.8% to 9.2%. Percent positivity was highest in zip codes 23231 and 23075. The number of PCR tests administered across providers has also risen notably in Henrico in the last two months, compared to the preceding three months. Testing has increased in Richmond. 23220 and 23219 in Richmond, and 23230 and 23227 in Henrico had the highest testing rate per ZCTA population, consistent with the last 6 months.

Registration and attendance at our own community testing events has increased, with the testing team conducting multiple testing events per week. Positivity at these events has varied but is now averaging 14.4% after being below the 10% benchmark since April.

2.2 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 August 23, 2021.

	RICHMOND CITY		HENRICO COUNTY	
	Tests	Positivity	Tests	Positivity
PCR*	281,742	12.6%	431,428	9.2%
Antigen	63,970	7.7%	122,640	11.3%
Total (PCR, antigen, and antibody)	350,488	10.8%	564,139	10.1%

*All testing metrics included in previous reports have been based on PCR tests

2.3 NUMBER OF PCR TESTS RELATIVE TO STATEWIDE TESTING GOAL

The counts below are based on the total number of testing encounters provided by the Virginia Department of Health for Richmond City and Henrico County. **It is important to note that the number of testing encounters is different from the number of people tested, as some individuals may be tested more than once.** The counts below should be viewed as an approximation of the percentage of each county's population that has been tested and may be higher than the actual percentage of the population tested.

MONTH	RICHMOND CITY - TOTAL PCR TESTS/MONTH	HENRICO COUNTY - TOTAL PCR TESTS/MONTH
August 2021	18,103	20,397
July 2021	9,608	12,632
June 2021	6,514	12,630
May 2021	9,066	17,393
April 2021	13,590	24,550
March 2021	16,505	27,164
February 2021	22,475	31,293
January 2021	35,001	50,108
December 2020	29,921	40,568

The testing date was not reported for 483 PCR testing encounters in Richmond and not reported for 909 PCR testing encounters in Henrico, inclusive of all PCR tests since January 2020.

3.0 COVID-19 CASES

3.1 SUMMARY OF CASES

Following declines in May and June, cases in both districts increased from late June through July and have remained at higher levels in August. Though there is noise in the data from cases being reallocated between localities, we can still observe a higher case rate in both Richmond and Henrico from the epidemic curve.

Female individuals in both Richmond and Henrico comprise a higher proportion of cases compared to male individuals, both in the last month and cumulatively. In Richmond, 20-29 year olds continue to have the highest case rate by age group overall and in the last four weeks, though their case rate is closer to other age groups in the last four weeks.

In Henrico, individuals over the age of 80 years show the highest cumulative case rate, whereas over the past four weeks, the higher case burdens are fairly uniformly distributed across age groups under 50, though here 20-29 year olds also represent the highest case burden in the last four weeks.

Regarding race and ethnicity, in Richmond, the highest proportion of cases is still among Black individuals, again both cumulatively and in the last 4 weeks. In Henrico, cumulatively White individuals comprise the highest case burden, but Black individuals' case burden is disproportionate to their population and Black individuals comprise the majority of cases in the last four weeks.

NOTE: Data quality control efforts over the last few weeks have led to the retroactive district reassignment of previously reported cases, sometimes leading to "negative" cases on a given day in Richmond or Henrico when the number of cases move to another district is greater than the combination of cases moved to Richmond or Henrico along with the new cases reported on that day.

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

*** Disclaimer ***

In recent weeks, case investigators have made significant efforts to reallocate past cases to appropriate localities (e.g. a case originally listed in Richmond City might be reassigned to Henrico County, Chesterfield County, etc.). This has led to sometimes significant discrepancies between reported cases and actual new cases. The report date and its count corresponds to the date the case count was reported publicly (or reallocated publicly). The report date does not have any equivalent variable in VEDSS and cannot be directly linked to case-specific dates (e.g. event dates or lab report dates).

*Case counts by report date are estimated by subtracting the cumulative cases on the previous day from that of the current day. If the number of cases reallocated to another locality on a day is higher than the cases added for that day (either as new cases or via reallocation), a **negative** count will be displayed. Meanwhile, if the number of cases reallocated to a specific locality is a high number on a given day, reported cases counts can be noticeably **inflated** for that day beyond the actual case counts. The table below clarifies the weekly total deviation of actual new case counts from the reported counts.*

Interpretation: On the week of June 28, 2021 - July 4, 2021, there were 126-150 more cases than were reported in Richmond City, and between 151 and 175 fewer cases than were reported in Henrico County.

Week	Deviation of Actual New Case Counts from Reported Counts	
	Richmond	Henrico
07/26 to 08/01	0-25 Higher Count than Reported	26-50 Higher Count than Reported
08/02 to 08/08	0-25 Higher Count than Reported	0-25 Higher Count than Reported
08/09 to 08/15	26-50 Higher Count than Reported	0-25 Higher Count than Reported
08/16 to 08/22	0-25 Higher Count than Reported	0-25 Lower Count than Reported

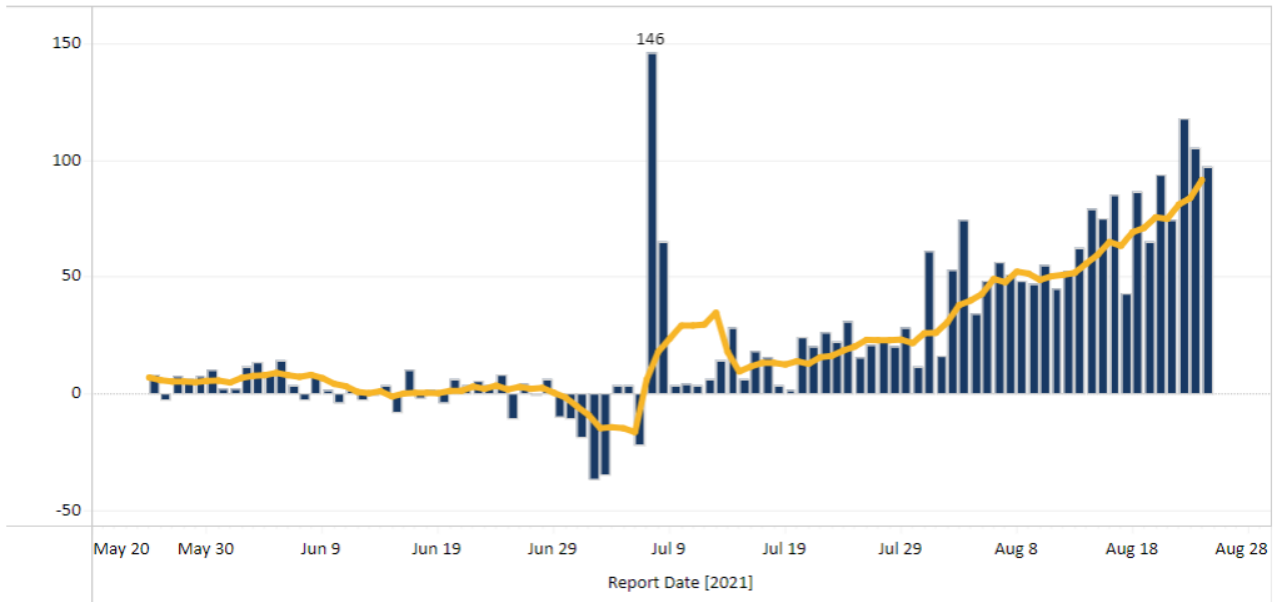
*While the table reports the **weekly** total discrepancy between the actual new case count and the reported case count, the plots below display the **daily** reported case count. The corresponding 7-day moving average is a recurrent average of the reported case count for each 7-day data sequence.*

Number of New Cases Reported [^]	7-Day Average Number of Daily New Cases Reported	7-Day Average Number of New Daily Cases Reported, Rate per 100,000 Population	Total Number of New Cases per 100,000 Population within last 14 days
97	91	39.9	472.1

Report Date Daily Cases Counts for past 90 Days
Richmond City

Select Date Range (Affects Bar Chart)

Past 90 Days



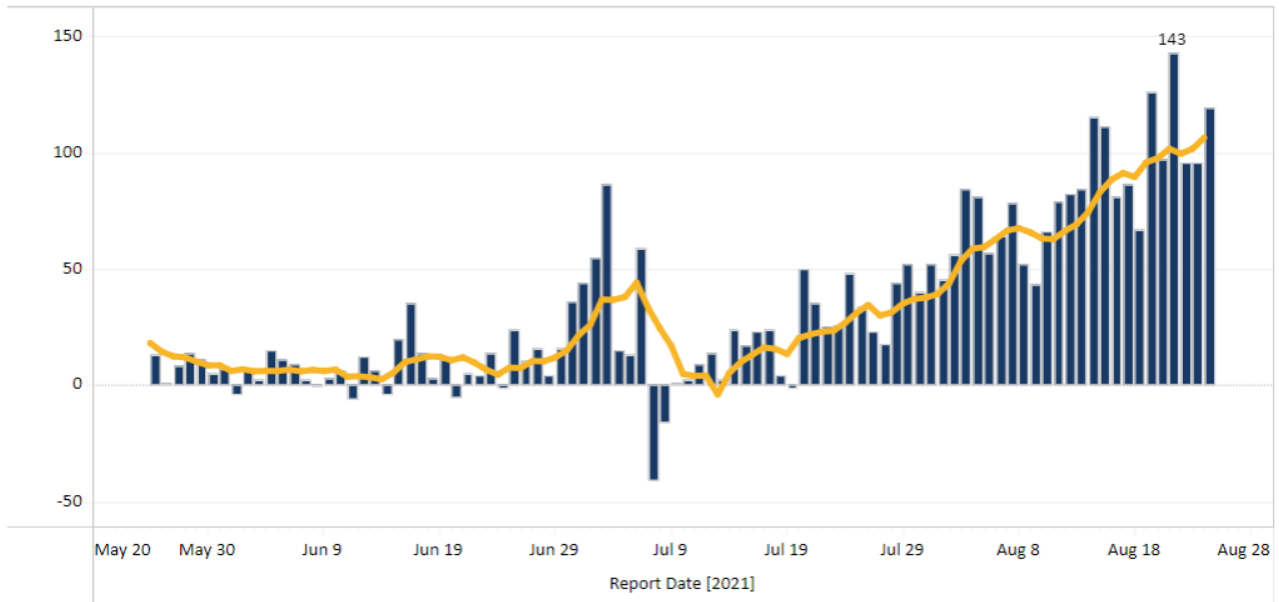
- In Richmond, the number of daily new cases reported is influenced by cases being reallocated to different localities. The daily plot trends should be compared with the weekly corrections reported in the table above.
- For the week of July 26 to August 1, we see an upward trend in cases continuing from earlier in July. The weekly table indicates that the actual new case count was between 0 and 25 higher than what the plot indicates due to reallocation efforts.
- For the week of August 2 to August 8, we see a large increase in reported cases as the upward trend accelerates, which again is underreporting new cases for the week by somewhere between 0 and 25.
- For the week of August 9 to August 15, the graph indicates a temporary leveling off in the upward trend but the weekly table indicates that new cases are actually between 26 and 50 higher than what the plot displays.
- For the week of August 16 to August 22, the upward trend displayed in the plot began again and the actual count for the week is between 0 and 25 higher than the plot by report date indicates.

Number of New Cases Reported[^] 119	7-Day Average Number of Daily New Cases Reported 106	7-Day Average Number of New Daily Cases Reported, Rate per 100,000 Population 32.3	Total Number of New Cases per 100,000 Population within last 14 days 419.7
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Report Date Daily Cases Counts for past 90 Days
Henrico

Select Date Range (Affects Bar Chart)

Past 90 Days

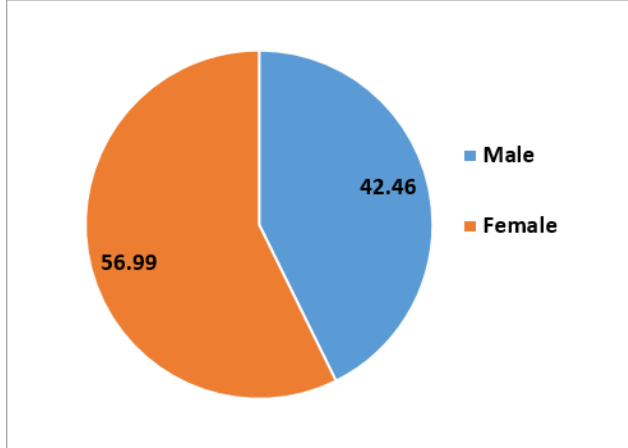


- In Henrico, the number of new cases reported per day is also affected by recent efforts to reallocate older cases to appropriate localities. The plot trends should be compared with the weekly corrections reported in the table above.
- A continuation of an upward trend in reported cases can be seen for the week of July 26 to August 1, with the actual case count for the week being between 26 and 50 higher than the plot by report date indicates.
- In the week of August 2 to August 8, the upward trend in reported new cases accelerates, with actual new cases being between 0 and 25 higher than reported.
- For the week of August 9 to August 15, after a short downward dip in cases, daily new reported cases spike again, with actual new cases being between 0 and 25 higher.
- Finally, for the week of August 16 to August 22, the upward trend in reported new cases continues, with new recent peaks being reached, while the actual new cases are actually between 0 and 25 higher than the plot by report date indicates.

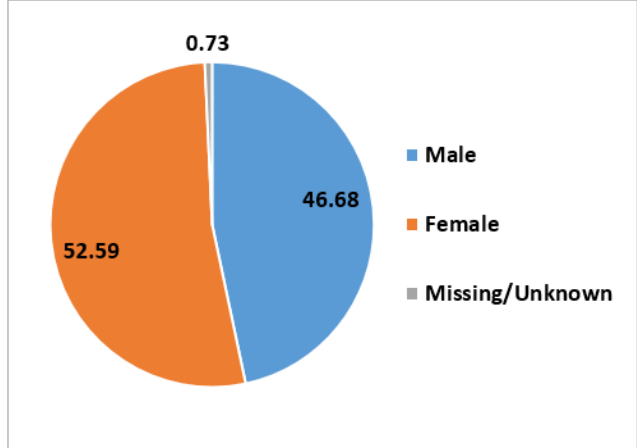
3.3 CASES BY SEX BY COUNTY

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.

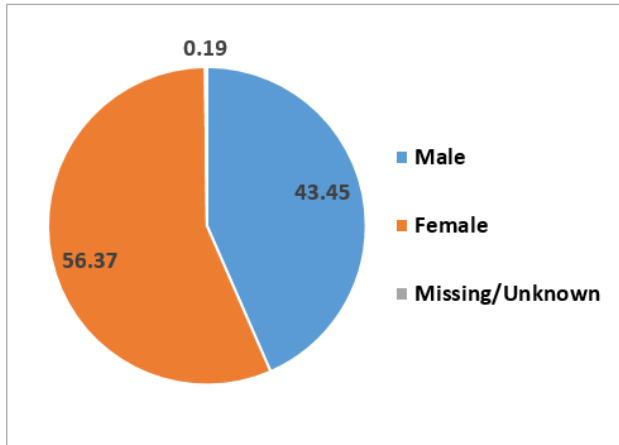
COVID-19 case distribution by Sex in the last 4 weeks (July 27 – August 22, 2021)—Richmond City, VA (N=1274)



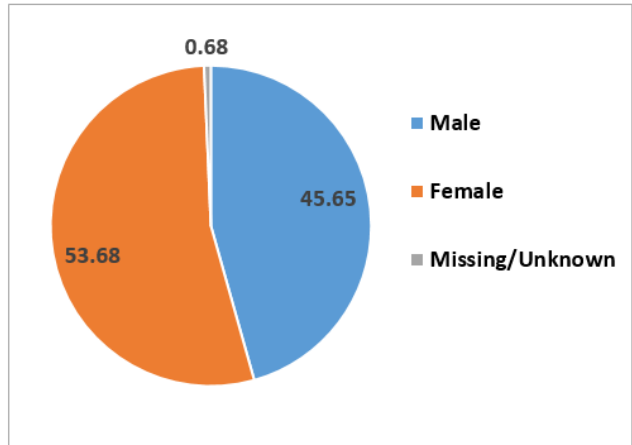
Cumulative COVID-19 case distribution by Sex as of August 22, 2021 —Richmond City, VA (n= 18836)



COVID-19 case distribution by Sex in the last 4 weeks (July 27 – August 22, 2021)— Henrico County, VA (N=1618)



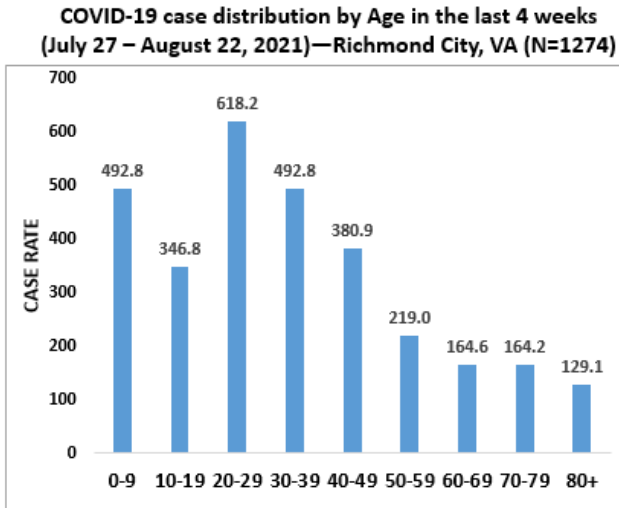
COVID-19 cases by Sex as of August 22, 2021 —Henrico County, VA (n=28100)



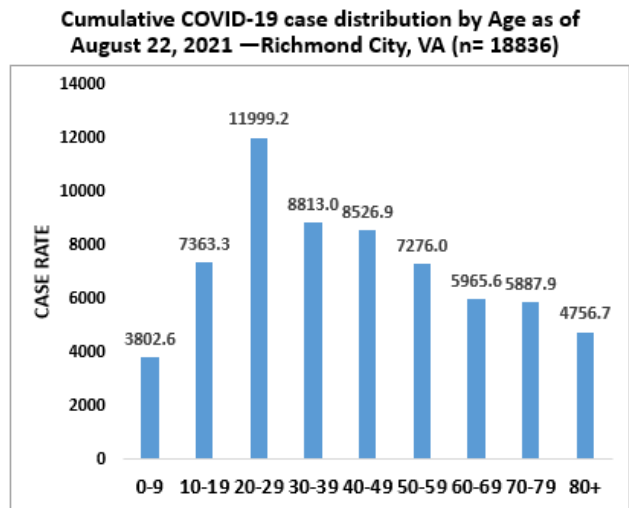
- In both Richmond City and Henrico County, the majority of cases have been among women in the last four weeks (56.99% and 56.37%, respectively), as well as cumulatively (52.99% and 53.68%, respectively).

3.4 CASES RATES BY AGE GROUP BY COUNTY

Note: The charts below represent rates per 100,000. Population estimates to produce case rates by age group are taken from the National Center for Health Statistics (NCHS) 2019 estimates for Richmond City and Henrico County. In addition, case rates in the last four weeks for individuals 60-69, 70-79, and 80 and over have been combined into 60 and over due to suppressed individual case counts.

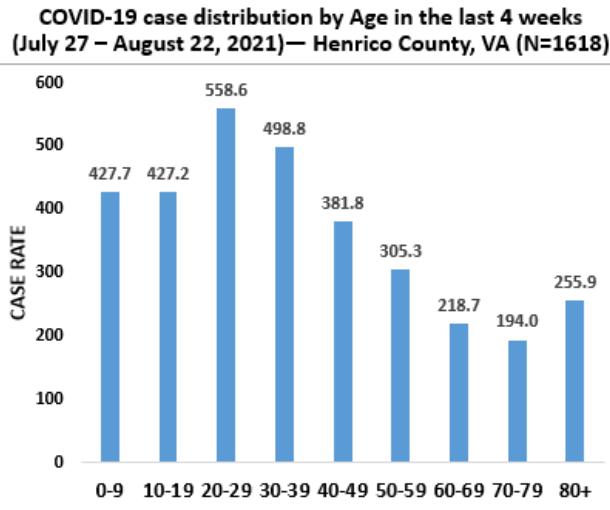


Age is missing for 28.57% (n=364) cases

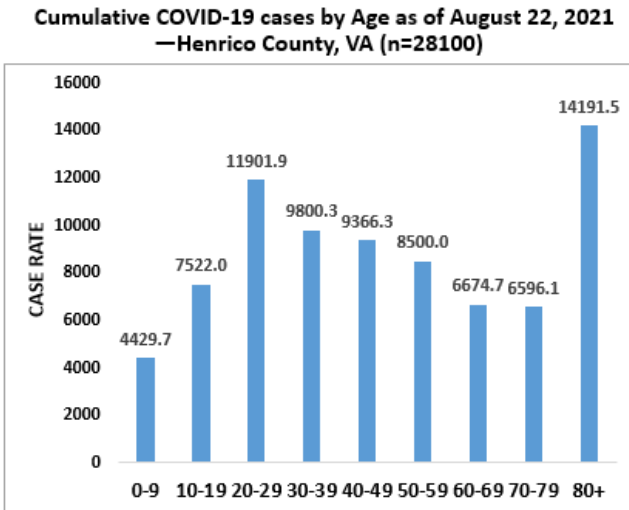


Age is missing for 1.95% (n=367) cases

- Individuals aged 20-29 comprise by far the highest case rate cumulatively (11999.2 per 100,000) but their case rate is closer to individuals aged 30-39 and other age groups in the last four weeks.
- There are few reported cases among individuals 80 and over in the last four weeks and cases among individuals 70-79 make up a smaller proportion of cases in the last four weeks versus cumulatively.



Age is missing for 21.57% (n=349) cases



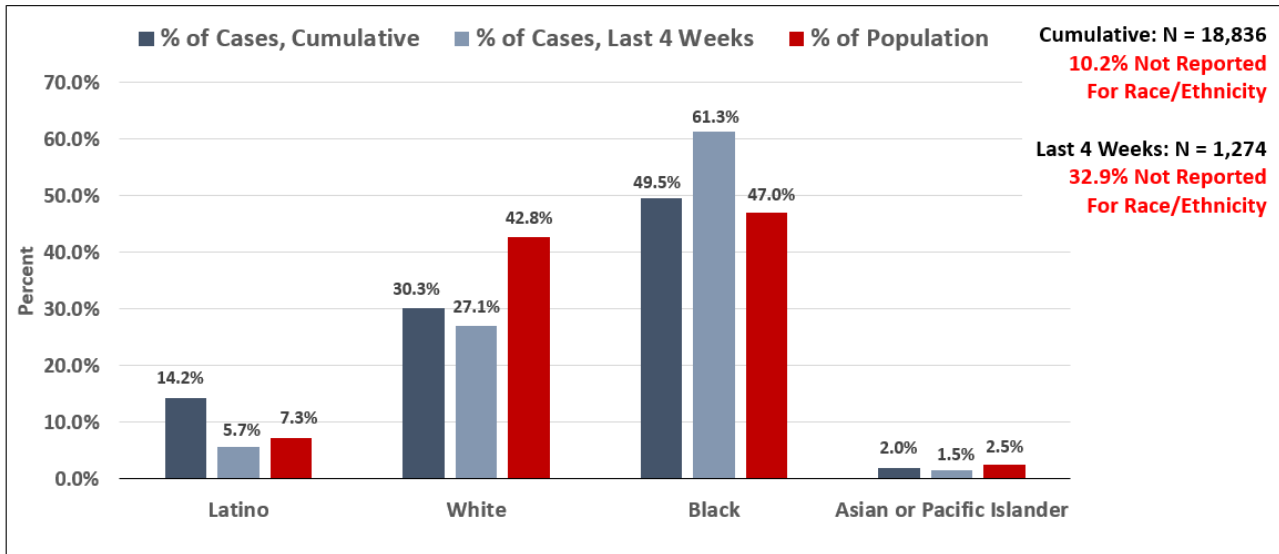
Age is missing for 1.28% (n=361) cases

- In Henrico, individuals aged 20-29 represent the highest case rate in the last four weeks. Cumulatively, individuals aged 80 and over have the highest rate (14191.5 per 100,00) followed by 20-29 year olds (11901.9 per 100,000).
- Case rates for age groups under 50 are low and relatively uniform in the last four weeks.

3.5 CASES AND POPULATION PROPORTIONS BY RACE AND ETHNICITY BY COUNTY

UPDATE: Population estimates 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.

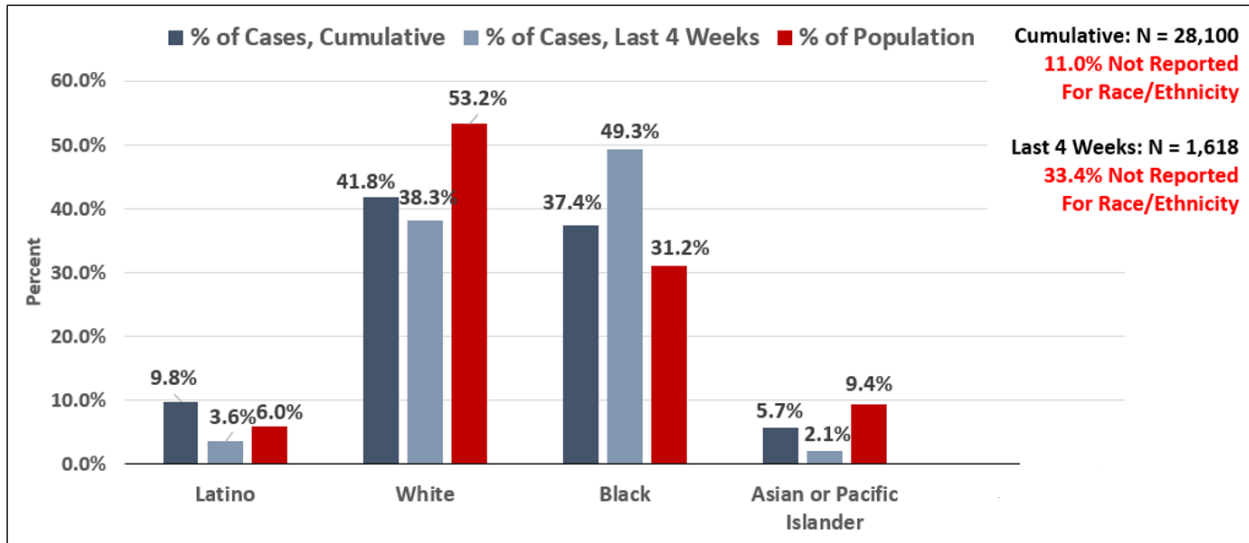
COVID-19 Case Distribution by Race and Ethnicity in the Last 4 Weeks (July 26 – August 22, 2021) and Cumulatively through August 22, 2021 – Richmond City, VA



* NCHS population estimates are not available for Two or More Races (237 total cases) or Other Race (418 total cases) and thus they are absent from the plots.
 * Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.
 * Cases among individuals identifying as Asian or Pacific Islander or Native American are suppressed (counts < 5)

- In Richmond, Black individuals in the last 4 weeks represent the highest proportional case burden at 61.3%. Black individuals also comprise the majority of cumulative cases (49.5%) followed by White (30.3%) individuals.
- Cumulatively, Hispanic and Latino individuals comprise a disproportionately high case burden (14.2%) but in the last four weeks make up a smaller proportion of cases (5.7%) than their proportion of the overall population (7.3%).

**COVID-19 Case Distribution by Race and Ethnicity in the Last 4 Weeks (July 26 – August 22, 2021)
and Cumulatively through August 22, 2021 – Henrico County, VA**



* NCHS population estimates are not available for Two or More Races (373 total cases) or Other Race (904 total cases) and thus they are absent from the plots.
 * Missing and Unknown Ethnicities were assumed to be of Non-Hispanic ethnicity.

- In Henrico, Black individuals represent a disproportionately high case burden in the last four weeks (49.3%) and cumulatively (37.4%) relative to their population (31.2%)
- White individuals comprise the majority of cumulative cases (41.8%) followed by Black individuals.
- Hispanic and Latino individuals comprise a disproportionately high case burden cumulatively (9.8%) but a disproportionately low case burden in the last four weeks (3.6%) compared to their proportion of the population (6.0%).

4.0 COVID-19 HOSPITALIZATIONS

4.1 SUMMARY OF HOSPITALIZATIONS

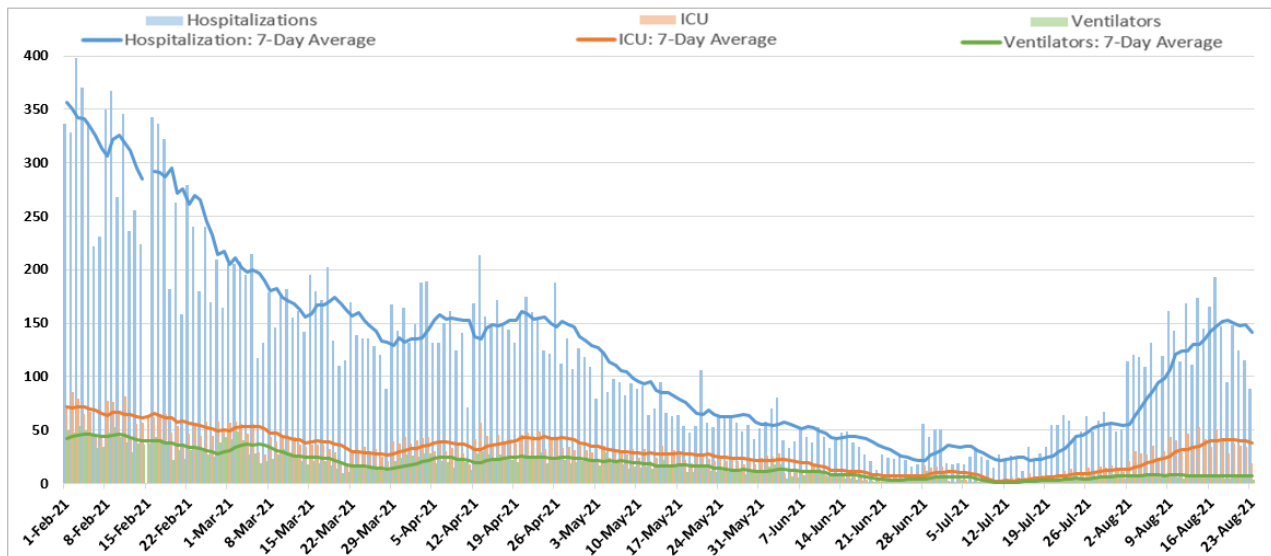
After an overall increased rate in July, hospitalizations have plateaued at a new high with a 7-day average of 1 admission per day in Richmond as of a week ago and around 1 admission per day in Henrico, based on VEDSS data (which is subject to lags in data reporting). See [VDH Dashboard](#) for additional trend data.

Looking more broadly at the 11 hospitals that comprise the Richmond catchment area, hospitalizations, ICU hospitalizations and ventilator utilizations have continued to increase throughout the month of August. All 11 hospitals are currently operating at a normal clinical status.

Regarding hospitalization demographics, cumulative hospitalizations are highest among females and Black individuals in both districts. The median age of hospitalization has not changed since last month and is still 61 in Richmond and 67 in Henrico.

4.2 COVID-19 HOSPITALIZATIONS, ICU HOSPITALIZATIONS, & VENTILATOR UTILIZATIONS IN THE RICHMOND CATCHMENT AREA AS OF JUNE 27, 2021

Total Daily COVID-19 Hospitalizations, ICU Hospitalizations, and Ventilator Utilizations
February 1, 2021 – August 22, 2021
Richmond Catchment Area



*Counts Displayed in Above Metric - Hospitalizations: 20967 of 76760, ICU Hospitalizations: 5254 of 18649, Ventilator Utilizations: 3220 of 10332

- Hospitalizations, ICU Hospitalizations, and Ventilator Utilizations in the Richmond Catchment area have followed an upward trend since early July.
- *Note: Hospitalization data from February 15th, 2021 showed an erroneously high value and was subsequently omitted from the analysis. Steps are being taken to restore the quality of this data.*

4.5 HOSPITALIZATIONS BY SEX, RACE, AND AGE BY COUNTY

The minimum age ranges correspond to ages in months, which have been converted to years.

The minimum age ranges correspond to ages in months, which have been converted to years.

Confirmed and probable	RICHMOND (n = 838)	HENRICO (n = 1132)
Gender		
Male	47% (392)	49% (550)
Female	53% (446)	51% (582)
Missing/Unknown		
Median Age (range)	61 (0.2 - 98)	67 (0 - 104)
Race		
White	14% (114)	40% (454)
Black	66% (555)	45% (510)
Latino	17% (139)	7% (79)
Asian or Pacific Islander	0.8% (7)	3% (34)
Other Race	1% (9)	4% (40)
Two or more races	*	1% (11)
Not reported	1% (9)	*

Women comprise a majority of hospitalizations in both Richmond and Henrico. In Richmond, Black individuals comprise the majority of hospitalizations, which is also the case in Henrico. The median age of hospitalization for Richmond and Henrico is sixty-one and sixty-seven, respectively.

5.0 COVID-19 FATALITIES

5.1 SUMMARY OF FATALITIES

Minor upticks in deaths based on date of death can be noted in Richmond City throughout July and August, but deaths in Henrico County have remained relatively low and stable. Cumulatively, deaths are highest among male individuals and Black individuals in Richmond and highest among female individuals and White individuals in Henrico. The median age of death has remained consistent over the past month at 76 for Richmond City and 80 for Henrico County.

5.2 DEATHS BY SEX, RACE, AND AGE BY COUNTY

CONFIRMED AND PROBABLE	RICHMOND (n= 280)	HENRICO (n=641)
Gender		
Male	140	294
Female	141	350
Not reported	-	-
Median Age (range)	76 (3 - 98)	80 (18 - 106)
Race		

White	87	355
Black	172	238
Latino	14	26
Asian or Pacific Islander	*	18
Other race	*	-
Two or more races	-	-
Not reported	*	5

* Counts <5 have been suppressed.

6.0 VACCINATION

6.1 VACCINE SUMMARY

Richmond and Henrico Health Districts are in Phase 2 of vaccination. Anyone 12 or older is now eligible to receive the vaccine. Vaccine supply and distribution are summarized in the tables below. As of August 23, 2021, 58.1% of the region's population has received at least one dose of the vaccine, and 52.2% of the region's total population has been fully vaccinated. Regarding Richmond and Henrico's combined 18+ population, 67.1% have received at least one dose, while 60.4% of the two districts' combined adult population has been fully vaccinated.

The majority of vaccine recipients in both Richmond City and Henrico County have been White, female, and 65 and over. Underserved populations have been Black individuals and 18 to 29 year olds.

6.2 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	5,072 (45.5%)	3,994 (35.8%)
	18+	190,750	133,525	110,735 (58.1%)	98,873 (51.8%)
	65+	31,809	22,266	23,885 (75.1%)	22,040 (69.3%)
Henrico	12-17	25,954	18,168	16,362 (63%)	13,454 (51.8%)
	18+	256,660	179,662	189,502 (73.8%)	171,220 (66.7%)
	65+	52,720	36,904	45,933 (87.1%)	43,063 (81.7%)

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.

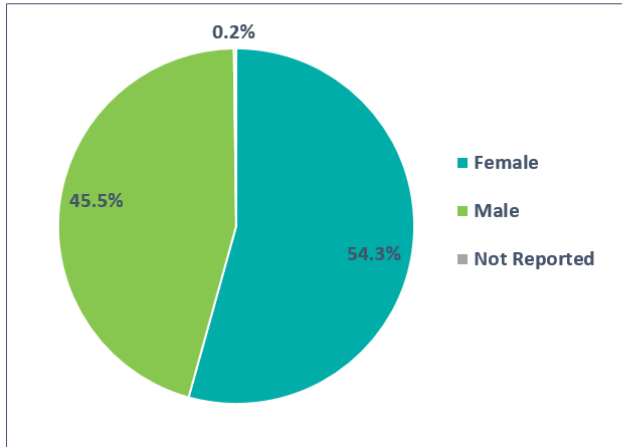
6.3 VACCINATIONS BY LOCALITY AS OF AUGUST 23, 2021 - SOURCE: VDH.VIRGINIA.GOV

HEALTH DISTRICT	LOCALITY	TOTAL POPULATION	PEOPLE WITH AT LEAST ONE DOSE	PEOPLE FULLY VACCINATED
Chesterfield	Chesterfield	352,802	207,638	185,404
	Colonial Heights	17,370	8,872	7,653
	Powhatan	29,652	15,236	13,719
Chickahominy	Charles City	6,963	3,989	3,682
	Goochland	23,753	15,960	14,886
	Hanover	107,766	66,982	61,850
	New Kent	23,091	12,286	11,249
Henrico	Henrico	330,818	205,864	184,674
Richmond	Richmond City	230,436	115,807	102,867
Total		1,122,651	652,634	585,984

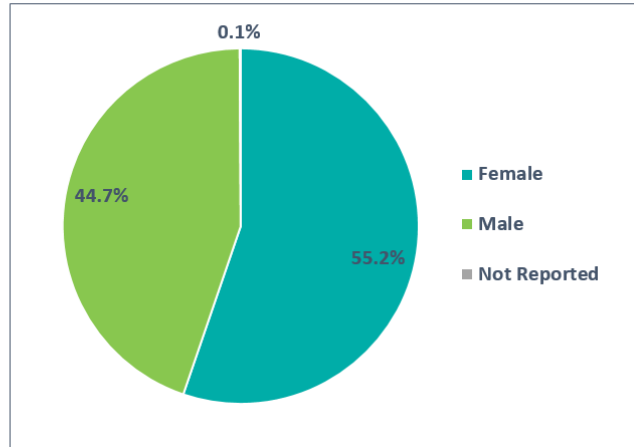
Population totals are based on 2019 data from the National Center for Health Statistics (NCHS). Please note - this is a change from previous reports which used Census data to estimate population by age group.

6.4 VACCINE DISTRIBUTION BY DEMOGRAPHIC SUBGROUP - SOURCE: VIIS

Total Vaccine Recipients by Sex in Richmond
-- August 23, 2021 (N = 115,807)

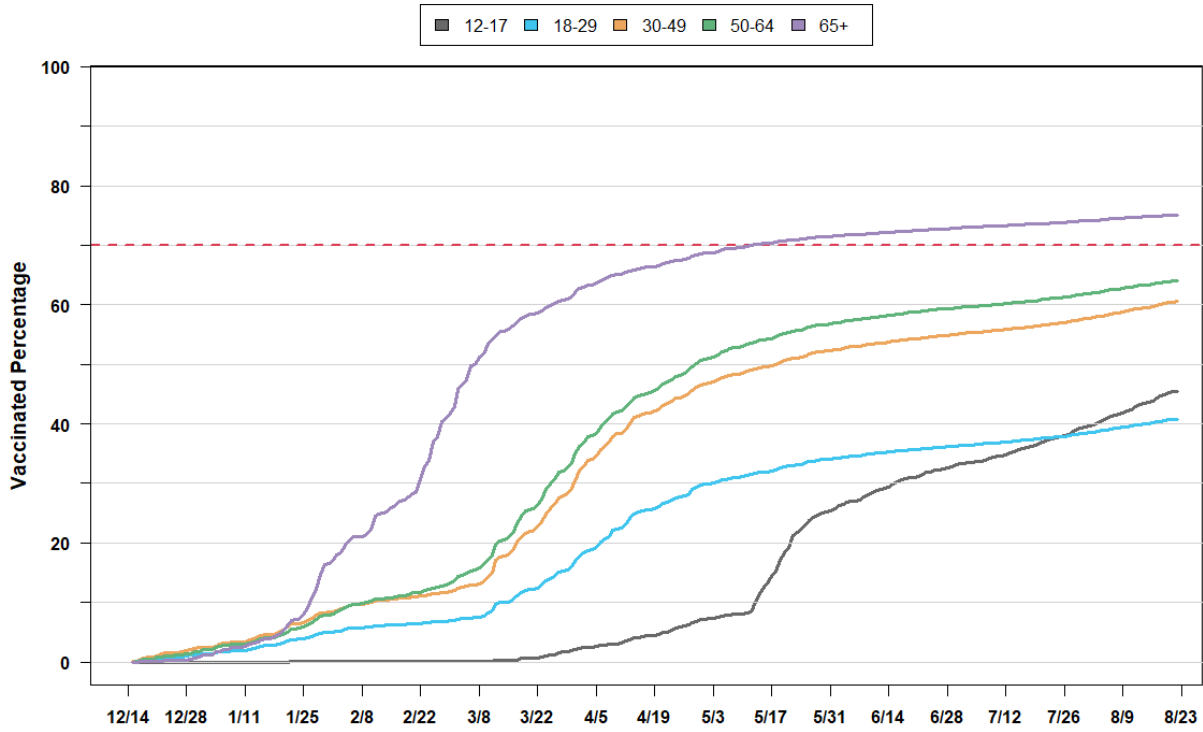


Total Vaccine Recipients by Sex in Henrico
-- August 23, 2021 (N = 205,864)

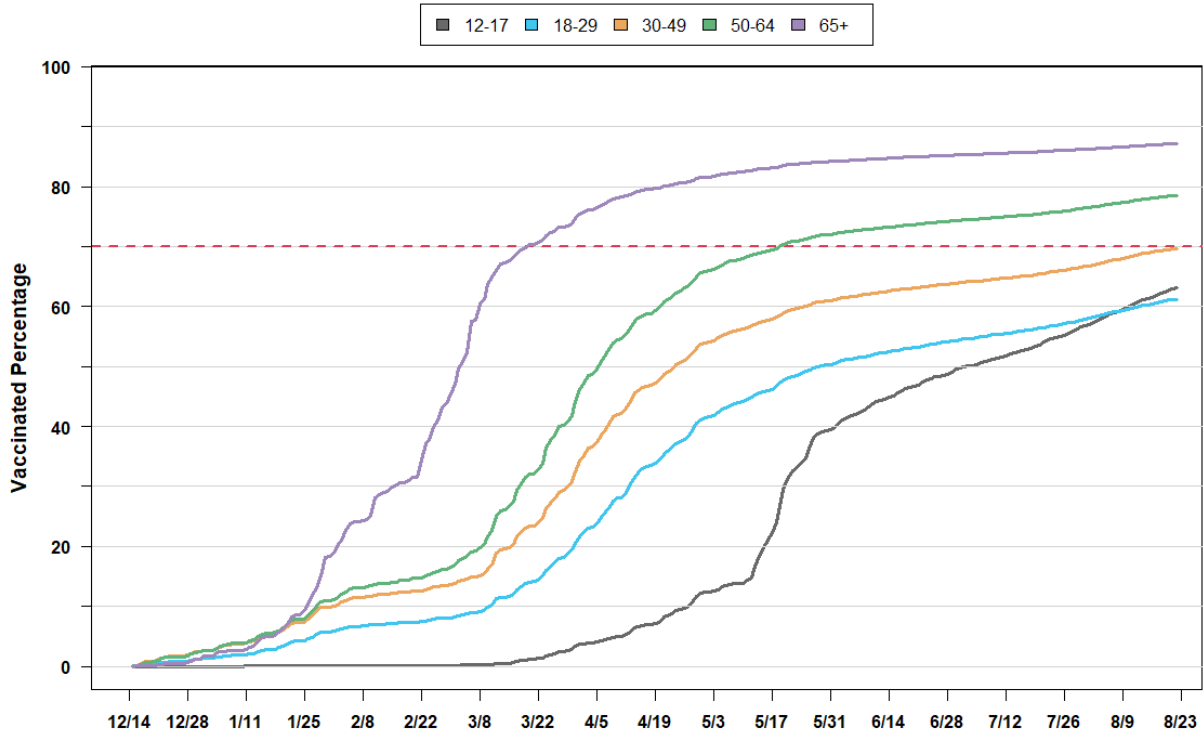


- The pie charts above indicate that a majority of vaccinated individuals in both Richmond and Henrico have been female.
- The time series plots below demonstrate that individuals 65 and over in Richmond, 50 to 64 in Henrico, and 65 and over in Henrico have all reached the 70% vaccinated threshold.
- Individuals 30 to 49 in Henrico are close to reaching the 70% threshold.
- Generally speaking, older age groups have achieved higher vaccination rates and Henrico age groups have achieved higher vaccination rates than their corresponding Richmond age groups.
- After later access to vaccination, individuals 12 to 17 have seen a notable increase in vaccination rates while individuals 18 to 29 have slowed in their rate of new vaccinations, leading to the younger age group recently surpassing the older one in both Richmond and in Henrico.

Vaccinated Percentage for Eligible Individuals by Age,
Based on Reported Data in Richmond (N = 115,807)



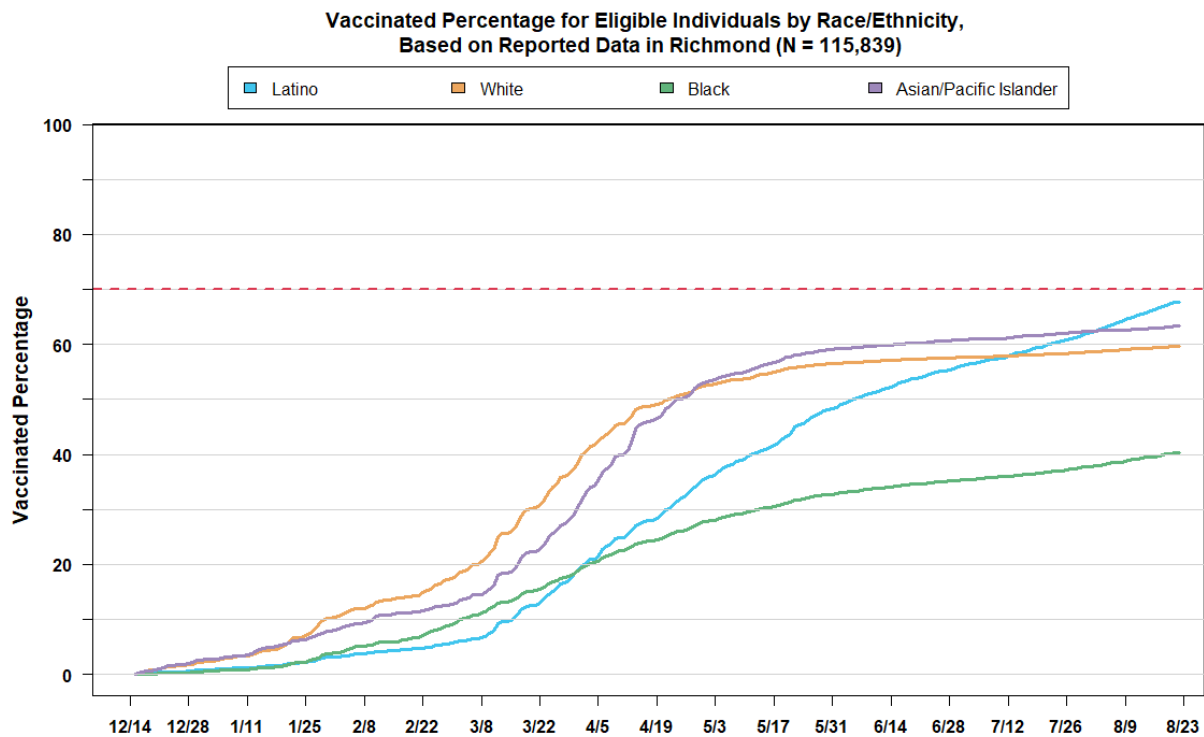
Vaccinated Percentage for Eligible Individuals by Age,
Based on Reported Data in Henrico (N = 205,864)



UPDATE: Population estimates for race and ethnicity subgroups have been changed for this report from the U.S. Census

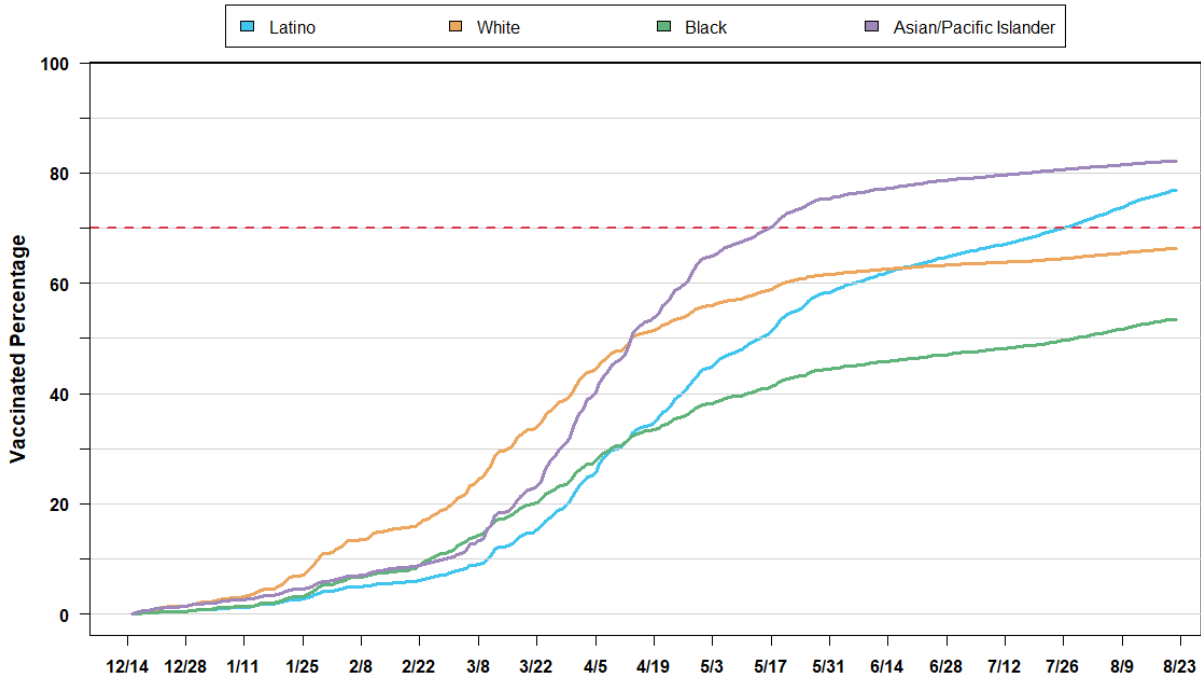
Bureau's American Community Survey (ACS) 2019 5-year estimates to the National Center for Health Statistics (NCHS) 2019 estimates to align with estimates used by other VDH metrics. This change also involves new race and ethnicity categories: Latino or Hispanic, Non-Hispanic White, Black or African-American, 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.

- The time series plots below demonstrate that until recently, White individuals and Asian or Pacific Islander individuals generally had higher vaccination rates in both Richmond and Henrico
- White individuals maintained the highest vaccination rates through early April in Richmond and late April in Henrico before Asian or Pacific Islander individuals surpassed them for the highest rates.
- In past months, vaccination rates of both Latino and Black individuals have been lower, with Black individuals comprising the lowest vaccine uptake as of today.
- Latino individuals saw an acceleration in vaccination rates beginning in early March after a slow start and have since surpassed all other subgroups in Richmond and all but Asian or Pacific Islander individuals in Henrico for the highest rates.
- In Richmond, no race and ethnicity group has reached the 70% vaccination goal, though Latino individuals appear poised to surpass this goal soon, based on current rates.
- In Henrico, Asian or Pacific Islander individuals and Latino individuals have already surpassed the 70% vaccination goal, with White individuals not far from this threshold.
- Vaccination rates are notably lower in both Richmond and Henrico for Black individuals, well short of the 70% goal.



Vaccination rates by subgroup are underestimates due to individuals not disclosing race/ethnicity (6845 vaccinations).
American Indian individuals (573 vaccinations) excluded due to unreliable vaccination rate calculations.

Vaccinated Percentage for Eligible Individuals by Race/Ethnicity,
Based on Reported Data in Henrico (N = 205,887)



Vaccination rates by subgroup are underestimates due to individuals not disclosing race/ethnicity (15112 vaccinations).
American Indian individuals (1392 vaccinations) excluded due to unreliable vaccination rate calculations.