

Weekly Summary of Vermont COVID-19 Data

Reflecting cases identified between
March 5, 2020 – February 24, 2021

Date published: February 26, 2021. This summary will be updated every Friday.

Common Terms and Data Sources

This document contains information about people who have tested positive for COVID-19 in Vermont. You will find data presented in a few different ways throughout this document:

- **Count:** the number of people who have tested positive for COVID-19 (overall or in a particular group)
- **Rate:** the number of people who have tested positive for COVID-19 in a particular group, divided by the total number of people in that group. Using rates allows for more direct comparisons between groups.
- **Growth rate:** a measure of the percent change in COVID-19 cases over time; this tells us how quickly or slowly the disease is spreading in Vermont
- **Week:** for the purposes of this document, “this week” is defined as February 17 through February 24.

For geographic information, please see the [COVID-19 Data Dashboard](#) or [Town Map](#). For more information on data sources, please see our [Data Notes](#) document. For information on cases in schools, see [COVID-19 Cases in Vermont K-12 Learning Communities While Infectious](#).

Please Note:

- On February 11, 2021 the denominators used to calculate rates by age and sex were updated from 2018 to 2019 Vermont Department of Health estimates based on Census data. The corresponding change in rates in the February 12, 2021 Weekly Summary is due to this change in methodology.

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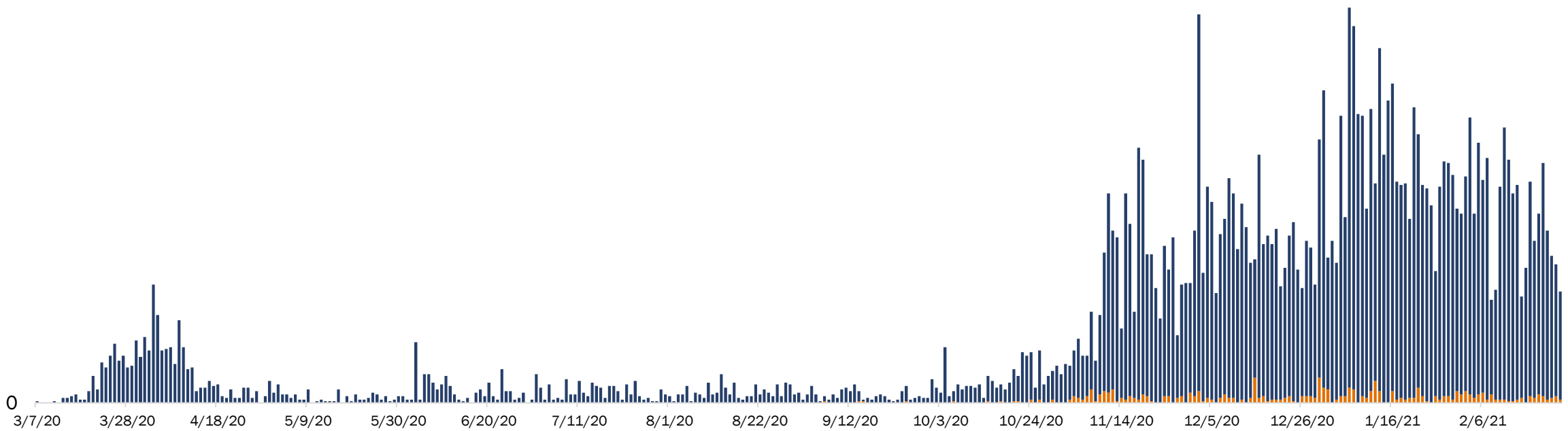
[Weekly Spotlight](#)

COVID-19 in Vermont

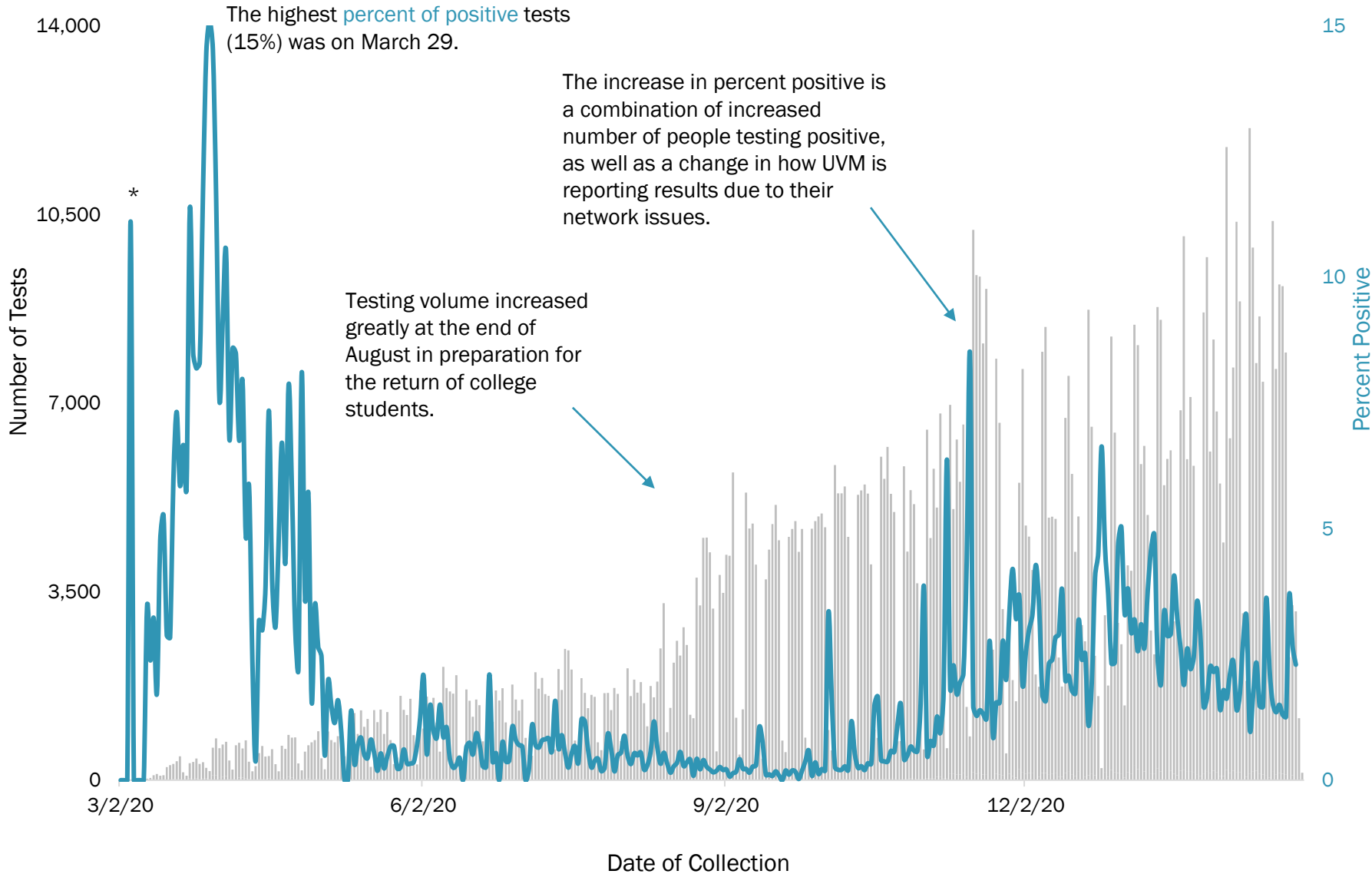
An overview of our number of cases and laboratory testing to date.

Total Number of **Confirmed** and **Probable** Cases in Vermont: 14,840

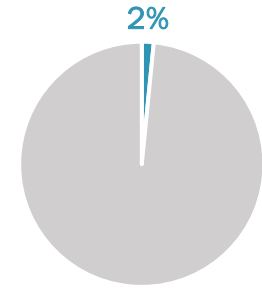
250



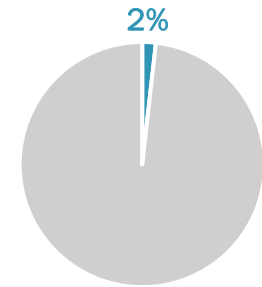
Percent of positive COVID-19 tests may indicate how prevalent the disease is in the population.



Percent Positive to Date



Percent Positive This Week (February 17 - February 24)



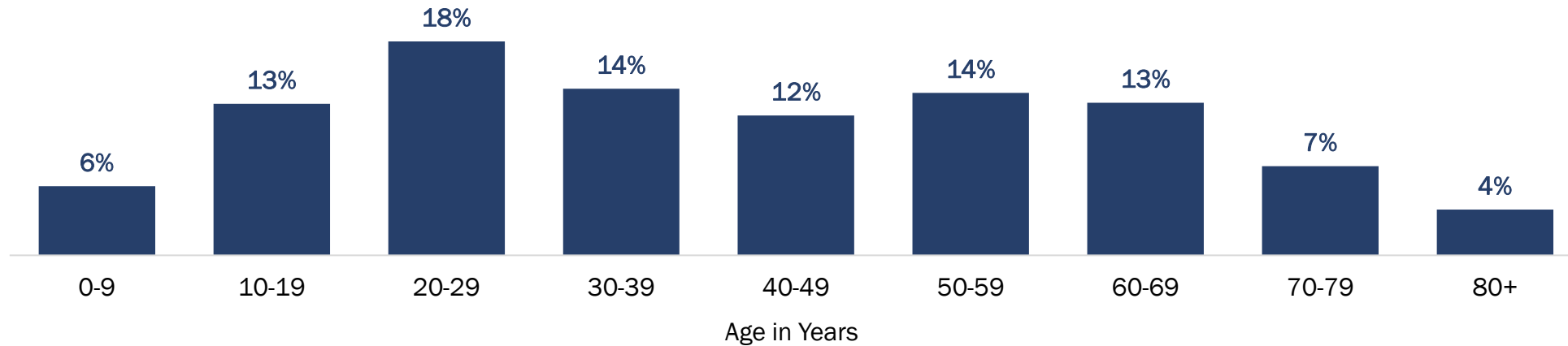
7,401 People Tested this Week	36,264 Tests this Week
327,769 People Tested to Date	1,042,507 Tests to Date

Vermont Department of Health

The **number of people tested** reflects the number of individual people who have had confirmatory testing for COVID-19 in Vermont. Each person is only counted once. The **number of tests** reflects the number of specimens that have had confirmatory tests for COVID-19 in Vermont. This number may include multiple specimens for one person, the same person tested multiple times, etc. **Percent positive** is the number of laboratory confirmed COVID-19 specimens divided by the total number of specimens (updated 11/6/20). None of these numbers include serology or antigen testing.

*Not a stable estimate due to small numbers. There were 8 total tests and 1 was positive.

The distribution of people tested for COVID-19 in Vermont varies by age group.



More **females** are tested than **males** for COVID-19.



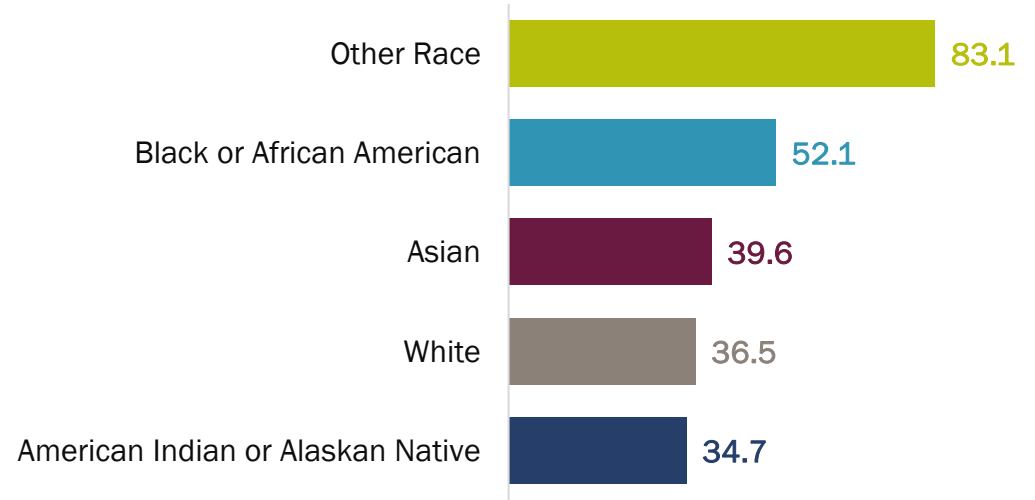
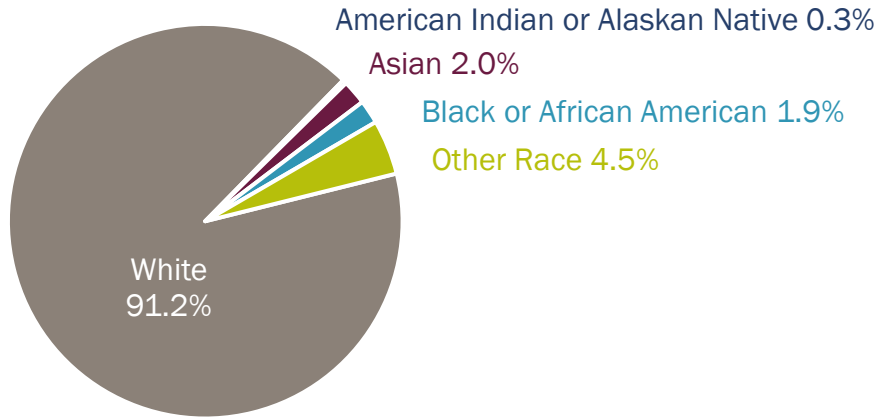
55% of people tested for COVID-19 are **female**.



45% of people tested for COVID-19 are **male**.

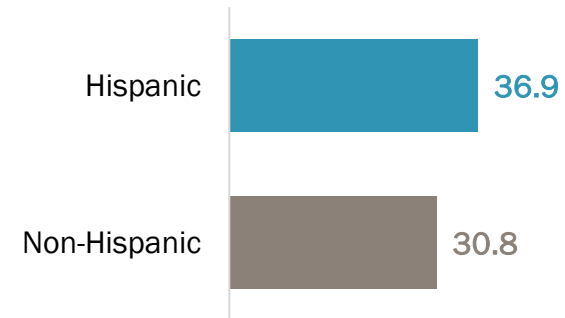
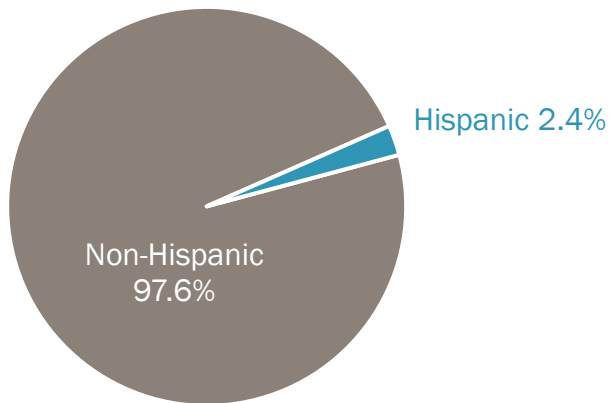
White Vermonters represent the majority of people tested in Vermont for COVID-19. Vermonters with other race have the highest rate of testing.

Rates per 100 Vermonters

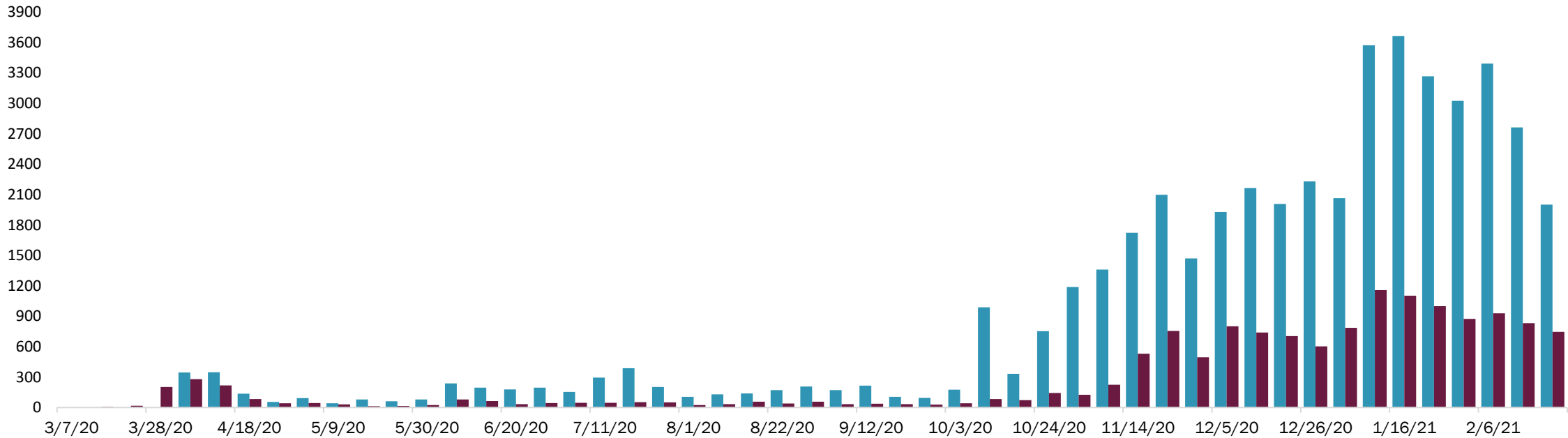


Non-Hispanic Vermonters represent the majority of people tested in Vermont for COVID-19. Hispanic Vermonters have the higher rate of testing.

Rates per 100 Vermonters



Contact tracers speak with both **cases** and their **close contacts** each week.



82

Number of full-time equivalent contact tracing staff trained

671

Cases interviewed last week

February 14 – February 20

2,000

Contacts named last week

February 14 – February 20

3.3

Average number of contacts per case*

*Since April 1, 2020

The number of confirmed cases may not match the number of cases interviewed. There is not always clean overlap between the week in which a case is confirmed and in which that case is interviewed (i.e., a case confirmed on Saturday afternoon may not be interviewed until Sunday morning). Some cases (long term care facility residents, for example) are not managed by the contact tracing team and are not “eligible” for interview. On 2/11/2021, the methodology for determining contact metrics was updated.

In the last two weeks (from February 7 to February 20):



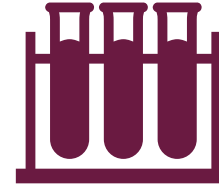
90%

Of cases were interviewed within 24 hours



82%

Of cases provided their close contacts



62%

Of contacts were tested within 14 days of exposure



10%

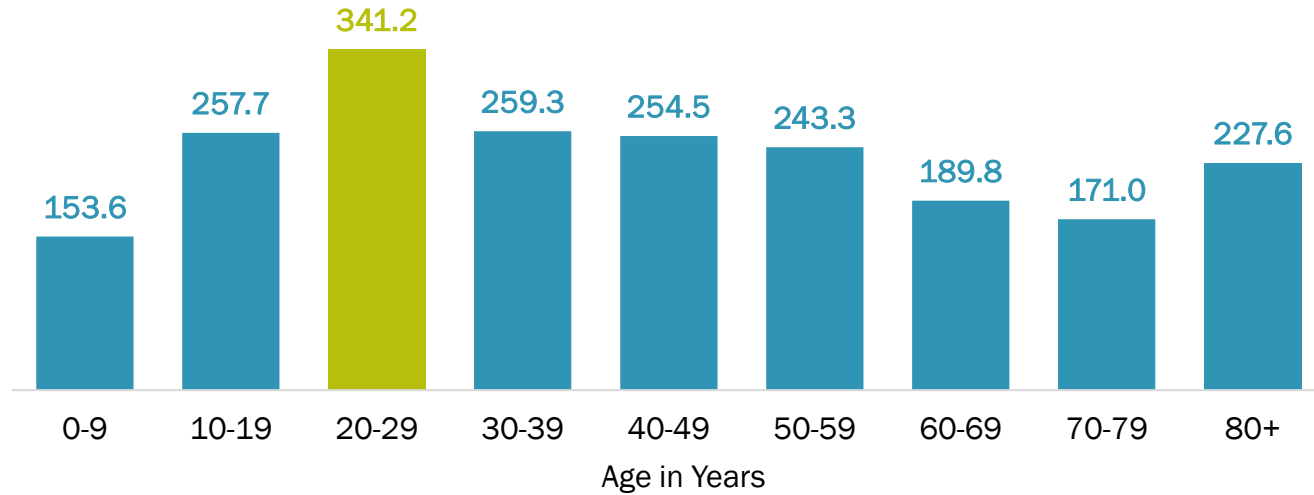
Of contacts became a case

Case Demographics

Who has been impacted by COVID-19 in Vermont?

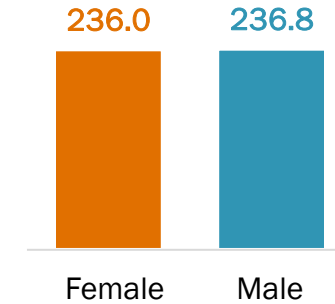
Rates of COVID-19 are highest among Vermonters 20-29 years old.

Rate per 10,000 Vermonters



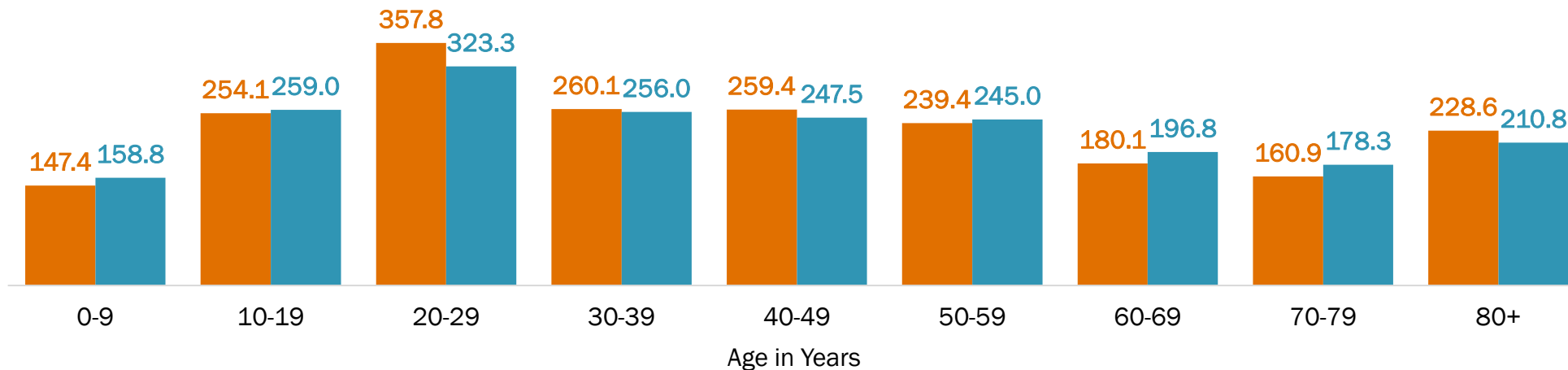
Females and males have similar rates of COVID-19.

Rate per 10,000 Vermonters



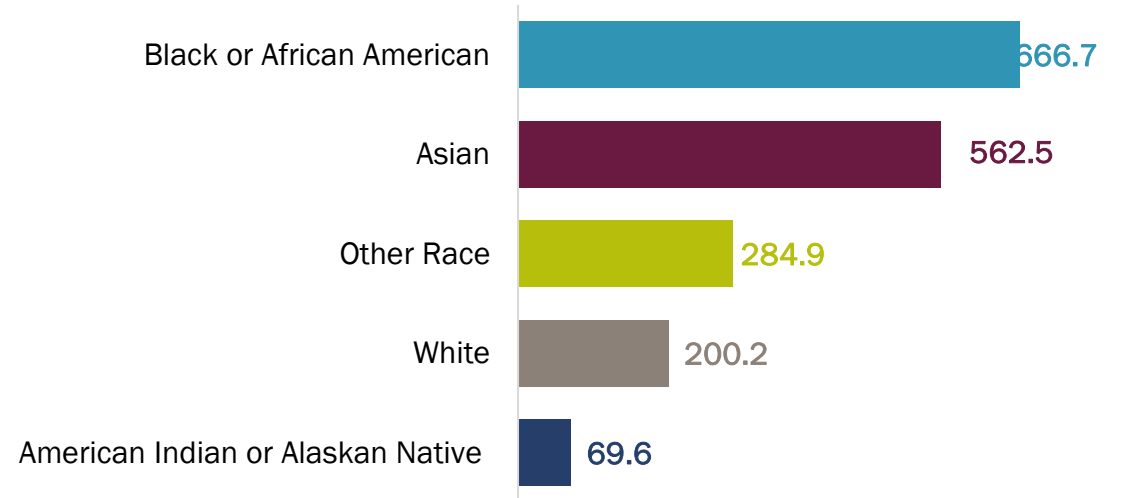
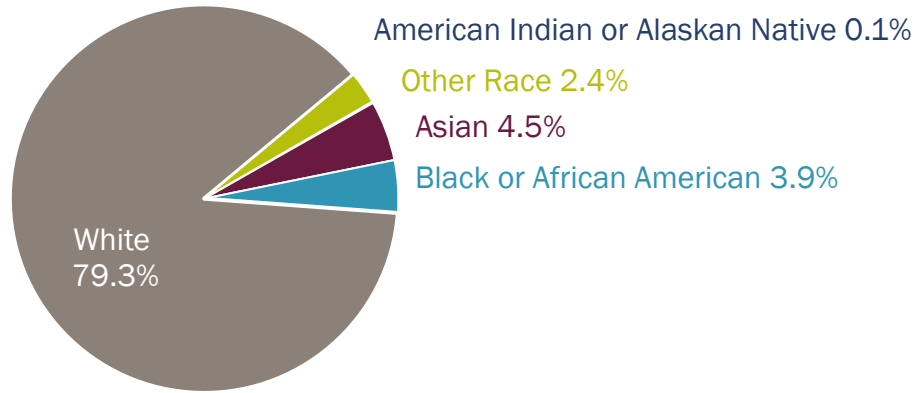
There are differences in age and sex of Vermonters with COVID-19.

Rates of COVID-19 by Age Group for Females and Males per 10,000 Vermonters



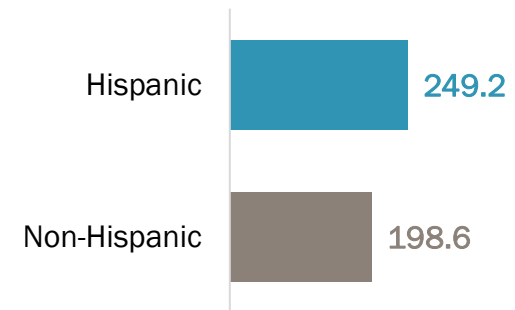
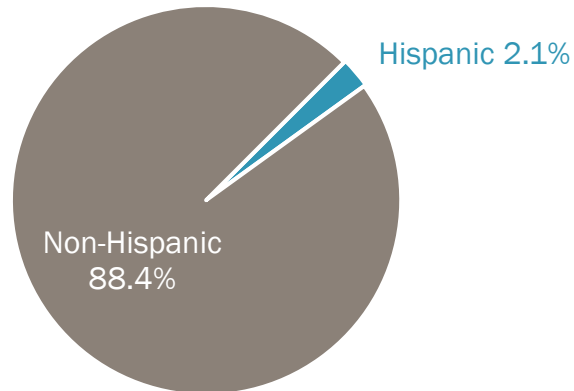
White Vermonters represent the majority of COVID-19 cases. African American Vermonters have the highest rate.

Rate per 10,000 Vermonters



Non-Hispanic Vermonters represent the majority of COVID-19 cases. Hispanic Vermonters have the higher rate.

Rate per 10,000 Vermonters



Other Race includes people who identify as two or more races, or a race other than white, Asian, African American or Black, and American Indian or Alaskan Native.
 Race is unknown in 10% of cases (n = 1,428) and ethnicity is unknown in 16% of cases (n = 2,382).

Approximately 34% of people* with COVID-19 have a pre-existing condition.

*of the 12,495 people that the Health Department has pre-existing condition data for.

Condition	Count	Percentage
Chronic Lung Disease (includes asthma and COPD)	1,200	10%
Other Chronic Condition**	1,196	10%
Current/Former Smoker	1,127	9%
Diabetes	640	5%
Heart Disease	510	4%
Disability***	238	2%
Immunocompromised Condition	168	1%
Chronic Kidney Disease	85	1%
Pregnant	74	1%
Chronic Liver Disease	36	0.3%

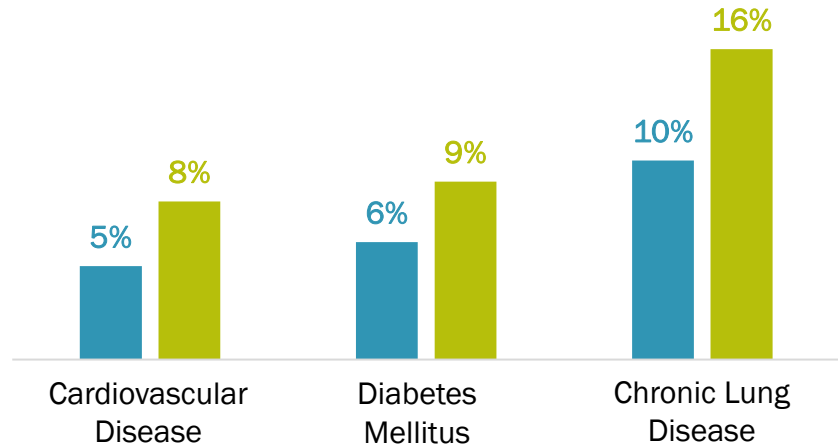
27% of people with a pre-existing condition have two or more conditions.

**Not mutually exclusive, includes things like arthritis, thyroid conditions, multiple free text entries.

***Includes neurologic, neurodevelopmental, and intellectual disabilities, as well as physical, vision, and hearing impairments (as of 11/4/20).

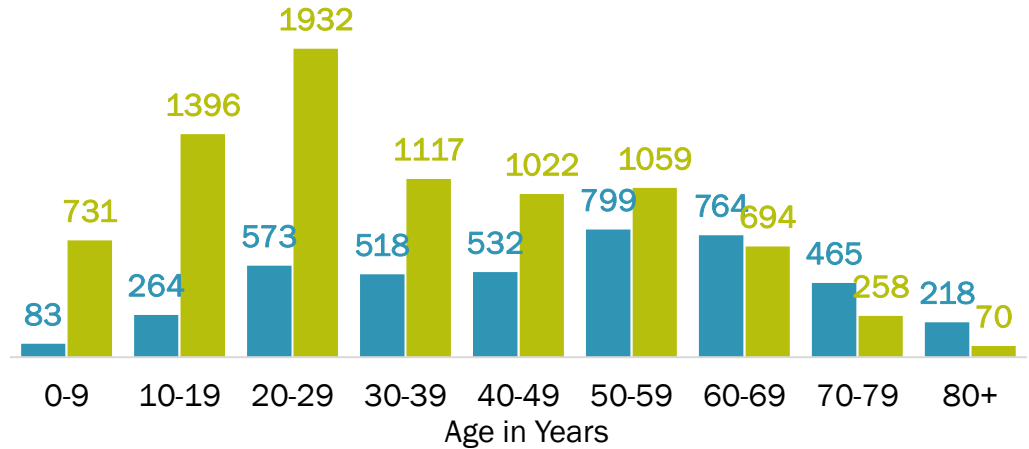
The Health Department has information about pre-existing conditions in 84% (12,495) of 14,840 total COVID-19 cases.

Prevalence of select conditions in COVID-19 adult patients and Vermont adults.

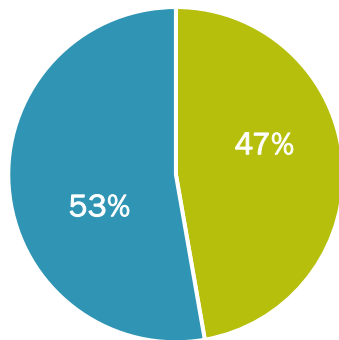


Data Source: Cardiovascular disease and diabetes, BRFSS 2018 annual report. Chronic lung disease, 3-4-50 Community profile (2016-2017 BRFSS).

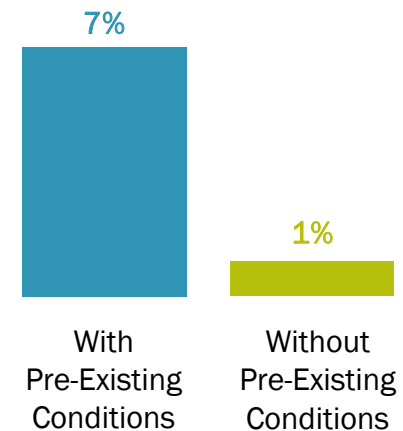
COVID-19 patients with pre-existing conditions tend to be older than those without pre-existing conditions.



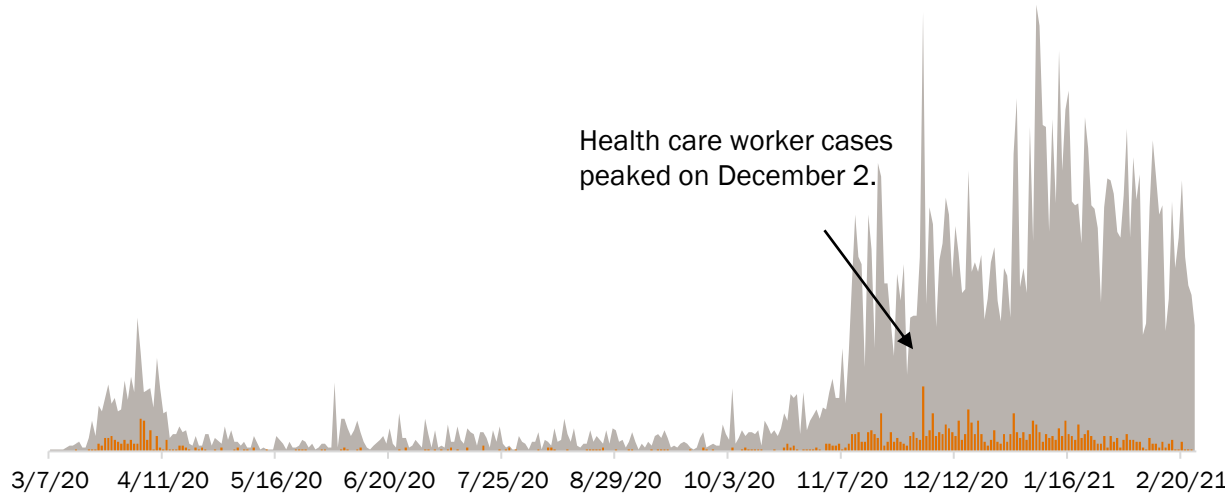
The likelihood of having a pre-existing condition is greater among female compared to male COVID-19 patients.



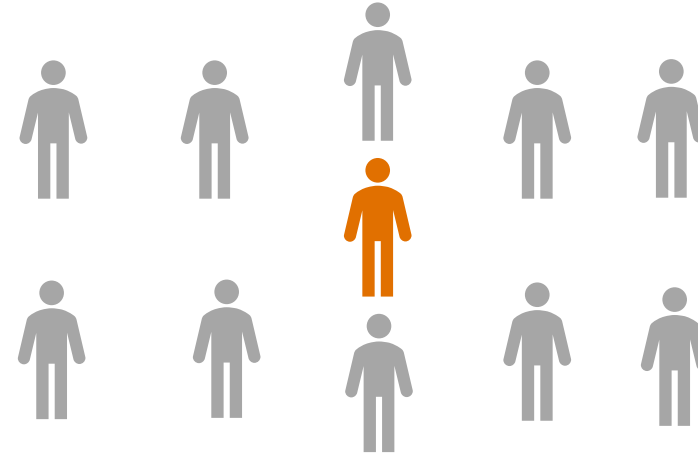
A higher percentage of COVID-19 patients with pre-existing conditions have been hospitalized than those without pre-existing conditions.



Number of **New Health Care Worker** and **All Cases** by Day

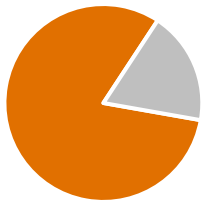


1 in 11 Vermonters with COVID-19 are health care workers.

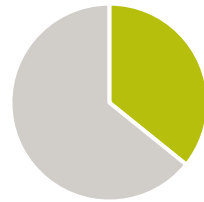


The age distribution of **health care workers** and **non-health care workers** with COVID-19 is similar.

81% of health care workers with COVID-19 are **female**.

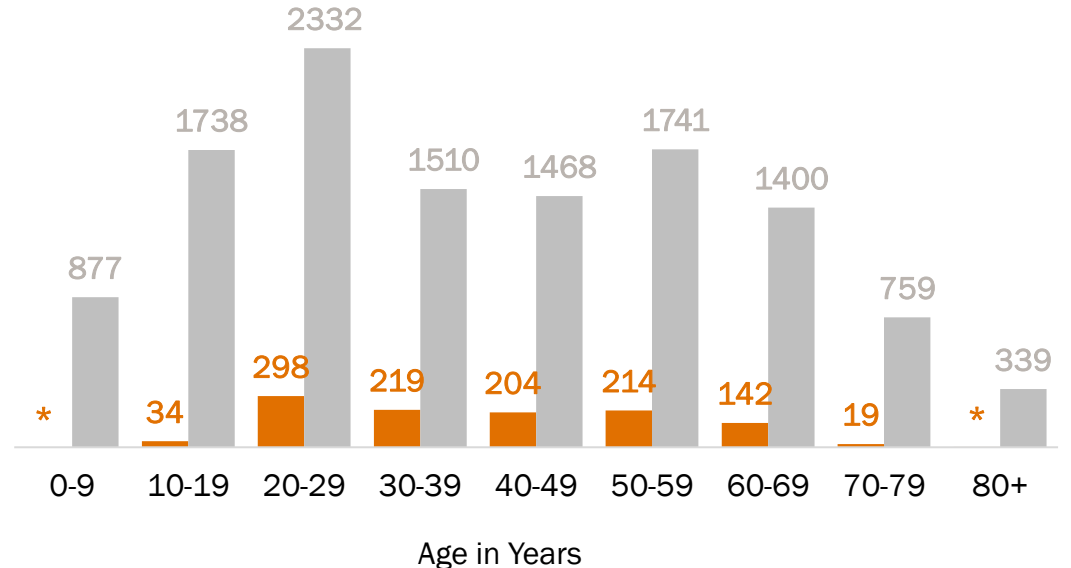


36% of health care workers with COVID-19 are associated with an **outbreak**.



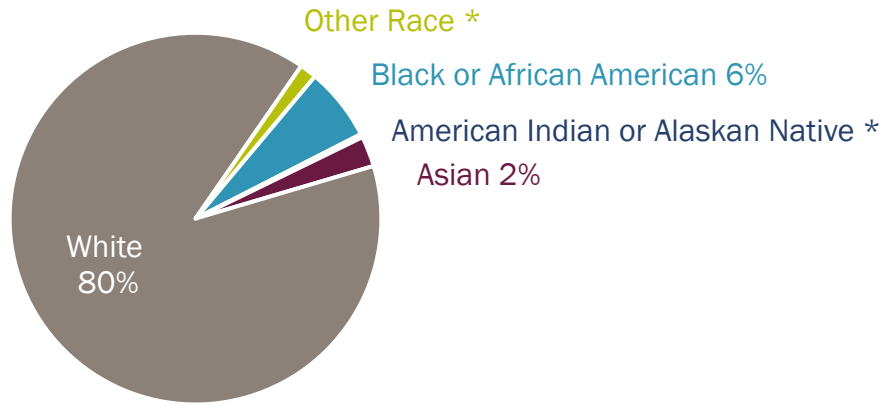
The Health Department has information about healthcare worker status in 90% (13,295) of 14,480 total COVID-19 cases.

Vermont Department of Health



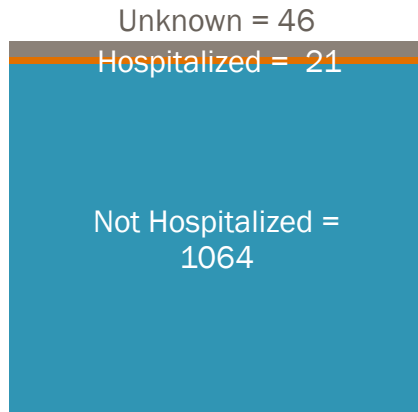
* Value suppressed due to small numbers.

White Vermonters represent the majority of health care workers with COVID-19.



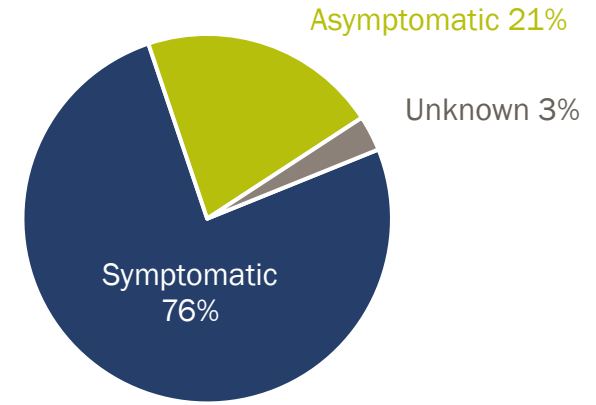
* Value suppressed due to small numbers.

Most health care workers with COVID-19 are not hospitalized.



There are no reported deaths among health care workers.

Most health care workers with COVID-19 have symptoms.

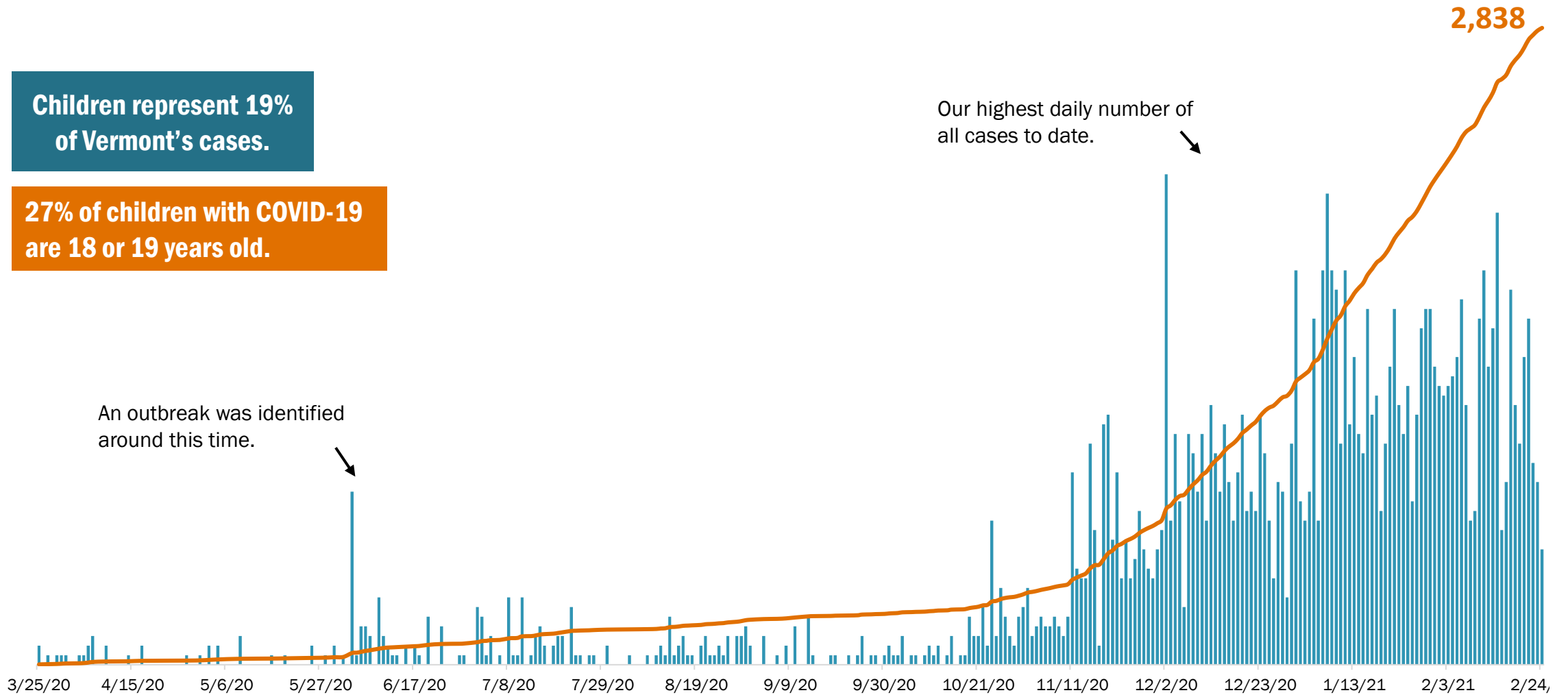


Sign or Symptom among Health Care Workers with COVID-19	Percent of Symptomatic Cases
Fatigue	62%
Cough	62%
Headache	59%
Runny Nose	54%
Muscle Pain	50%
Loss of Smell or Taste	42%
Chills	34%
Loss of Appetite	25%

New and Cumulative Cases of Vermont Children (Age 19 and Younger) with COVID-19

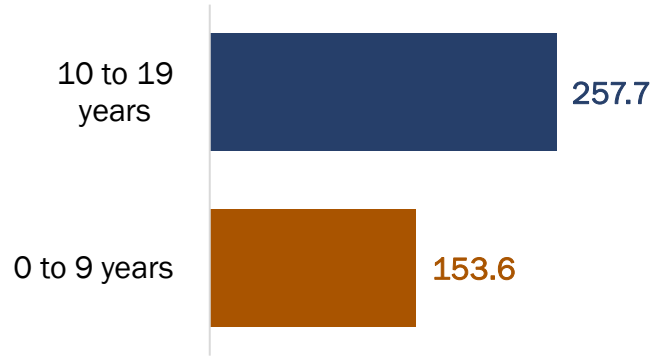
Children represent 19% of Vermont's cases.

27% of children with COVID-19 are 18 or 19 years old.



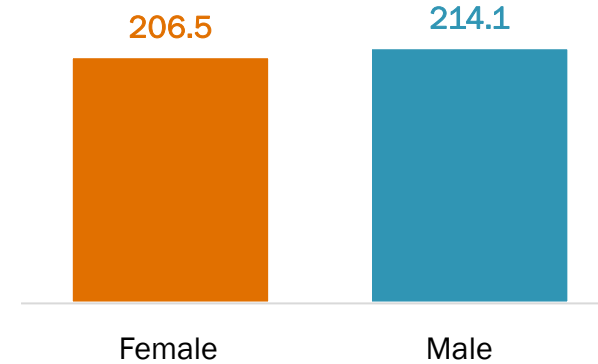
Older children have a higher rate of COVID-19 compared to younger children.

Rate per 10,000 Vermonters 0-19 years old

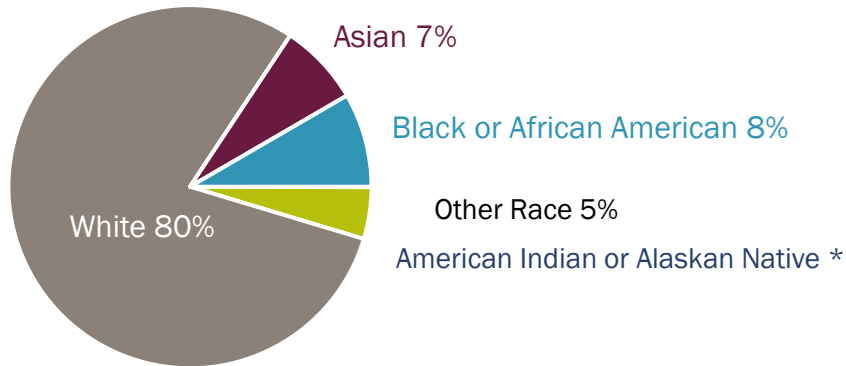


Female and male children have similar rates of COVID-19.

Rate per 10,000 Vermonters 0 to 19 years old

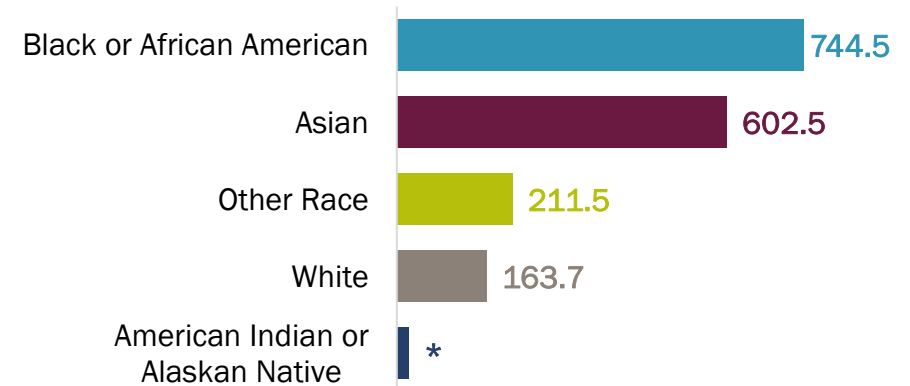


Among children with COVID-19, Black, Indigenous and people of color represent 21% of cases.



Among children with COVID-19, Black or African Americans have the highest rate.

Rate per 10,000 Vermonters 0 to 19 years

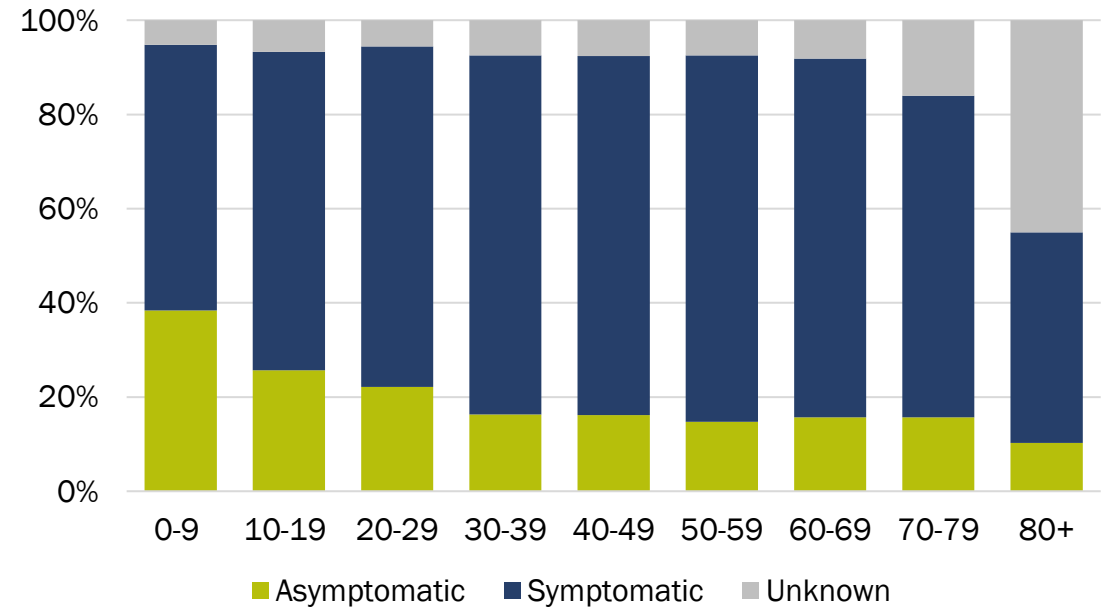


Sign or Symptom	Percent of Children with Symptom
Runny nose	52%
Headache	44%
Cough	43%
Fatigue	39%
Sore Throat	39%
Muscle pain	26%
Loss of smell or taste	25%
Fever	20%

5 days
Average illness duration among children

Among Vermont’s children with COVID-19, there are currently no reported cases of multi-system inflammatory syndrome or deaths, and there are fewer than six hospitalizations.

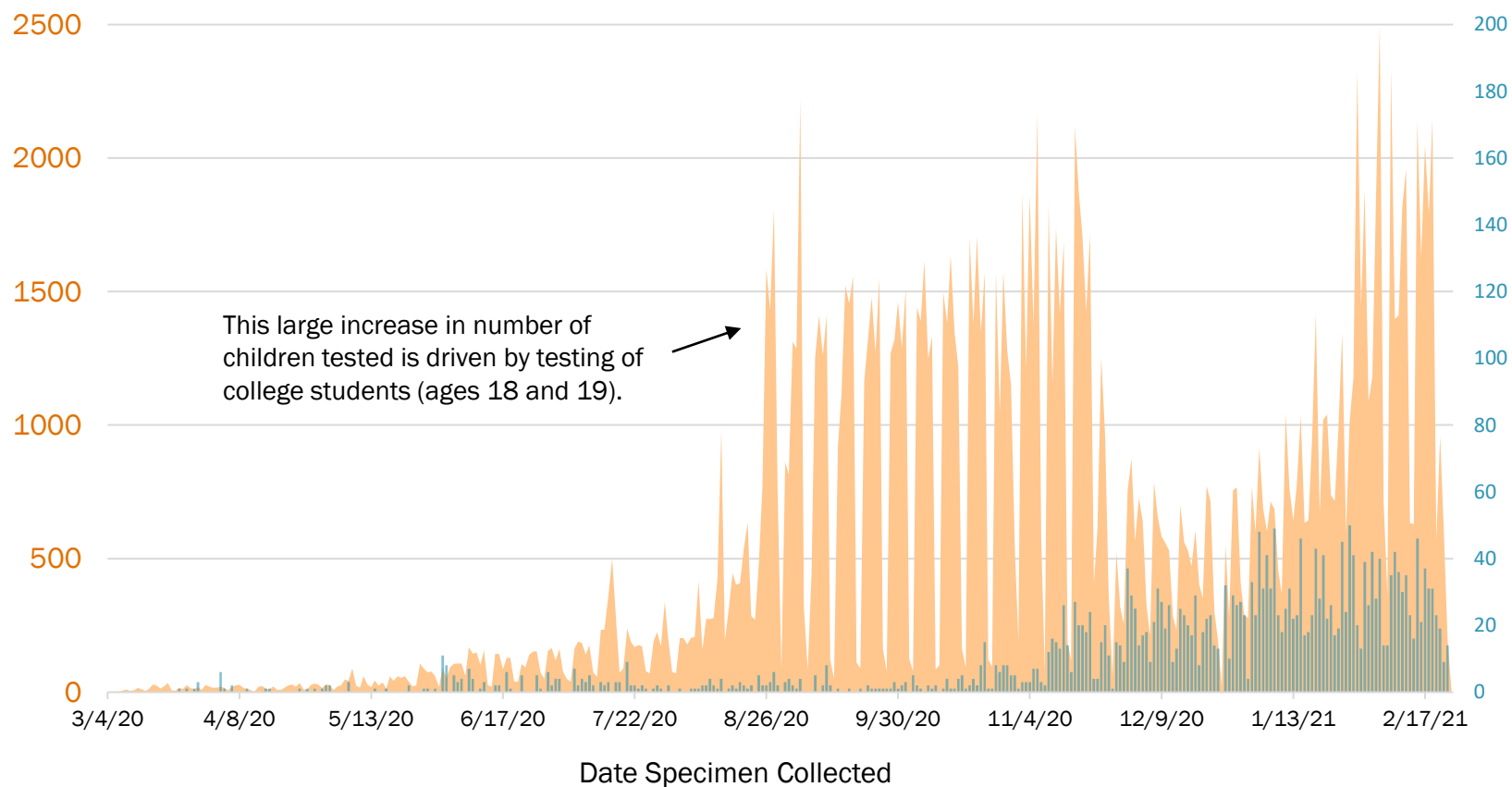
The percent of COVID-19 cases with no symptoms is higher among children. Less than one third (31%) of cases among children had no symptoms reported.



68% of children with COVID-19 had known contact with somebody else who had COVID-19.

15% of children with COVID-19 were part of an outbreak.

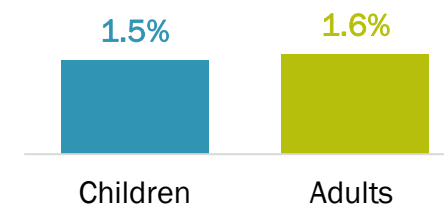
The number of **tests among children** for COVID-19 and the number of **positive tests** have increased over time.



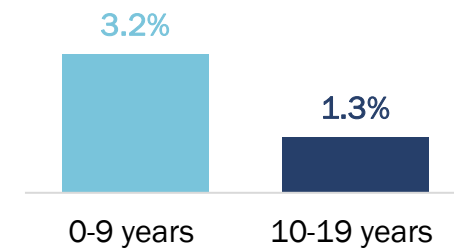
Total tests represents the total number of tests among children (specimen level).

There have been **195,699** COVID-19 tests completed among children.

Percent of tests positive among **children** is similar to **adults**.



Percent of tests positive among **younger children** is greater than **older children**, however many more older children have been tested.



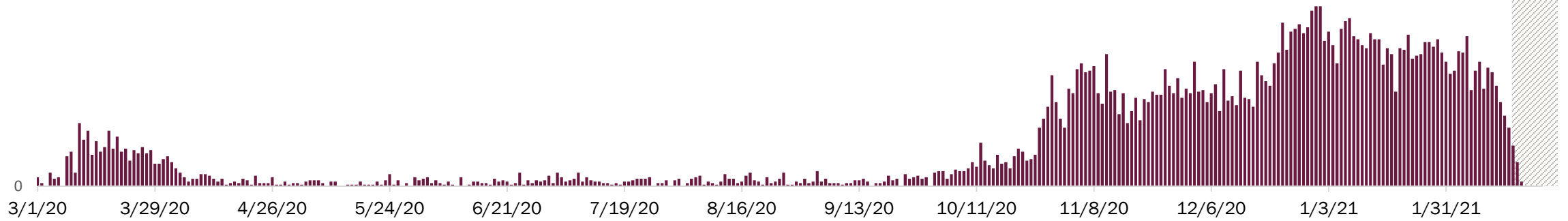
Clinical Course

What symptoms have Vermonters experienced? How many have been hospitalized? How many have died?

The day symptoms start is important to know when people with COVID-19 become infectious.

200

Illnesses occurring in this window may not be reported yet; median reporting lag = 5 days



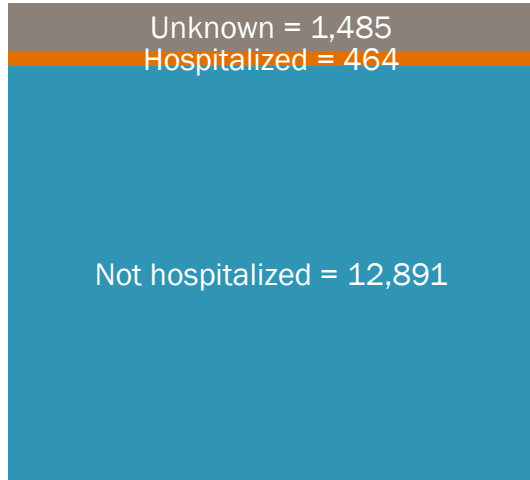
Note: Date of symptom onset is not always known.

8 days
Average illness duration

71%
Cases with symptoms

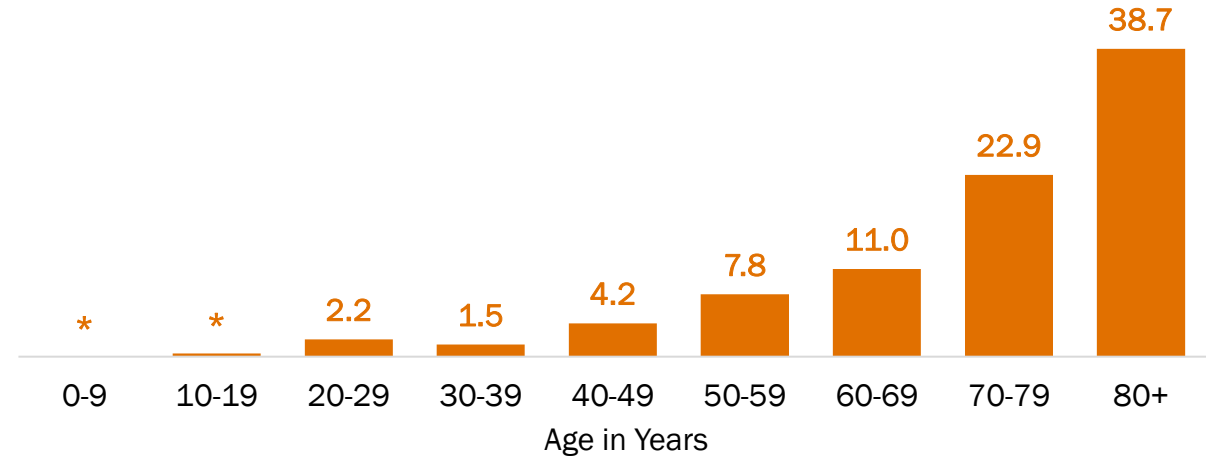
Sign or Symptom	Percent of Symptomatic Cases
Cough	57%
Fatigue	54%
Headache	52%
Runny Nose	51%
Muscle Pain	44%
Loss of Smell/Taste	37%
Sore Throat	36%
Felt Feverish	34%

Most Vermonters with COVID-19 are not hospitalized.

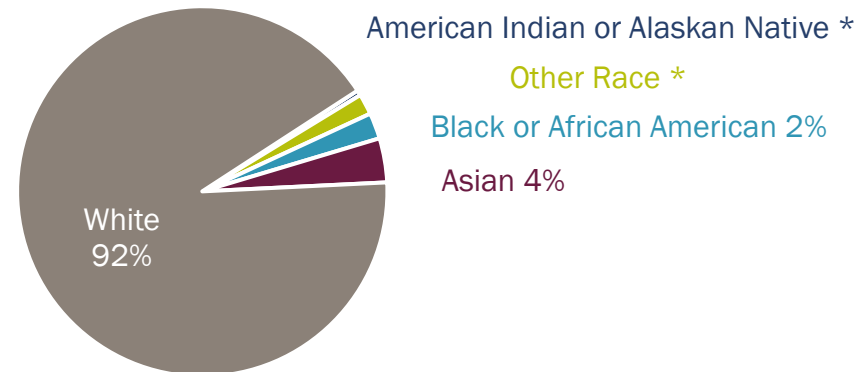


Vermonters 80 years and older are more likely to be hospitalized for COVID-19.

Rate per 10,000 Vermonters



White Vermonters represent a majority of hospitalized COVID-19 cases.



Please note 23 hospitalized persons are missing race information.
*Values suppressed due to small numbers.

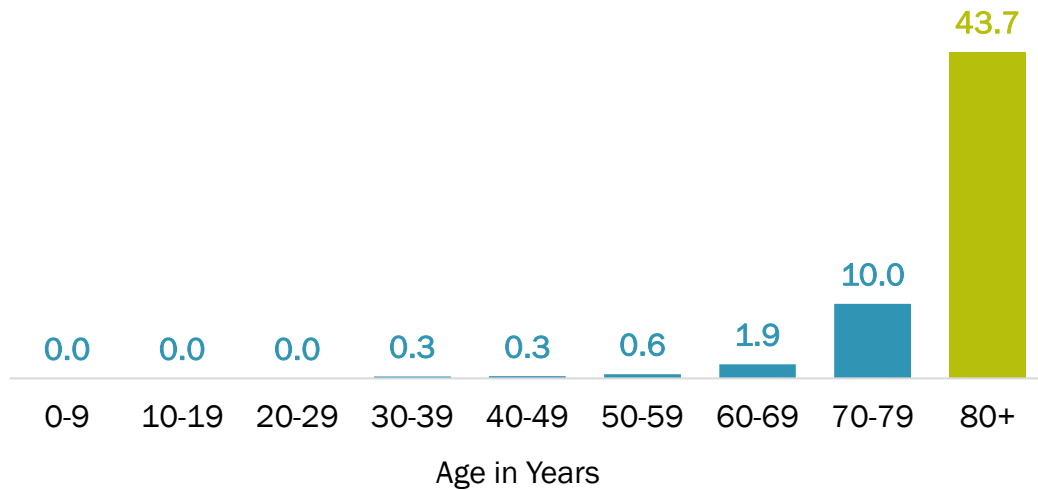
8%
Of those hospitalized were on a ventilator

24%
Of those hospitalized were in the ICU

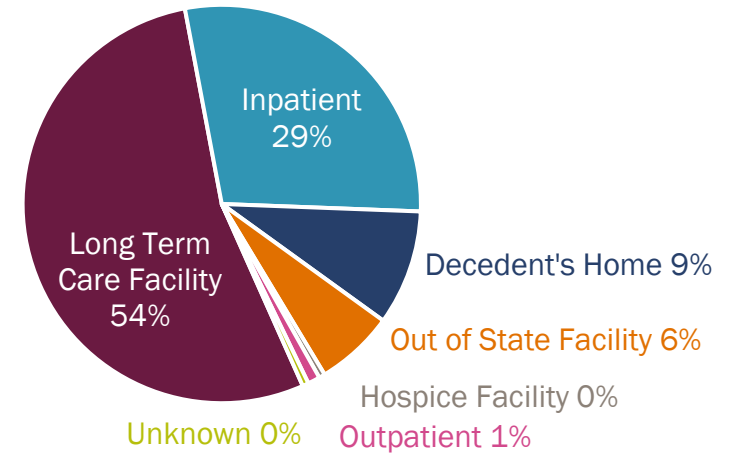
6 days
Average hospital stay (range: 0-43 days)

Vermonters 80 years and older have higher rates of COVID-19 death than other age groups.

Rate per 10,000 Vermonters

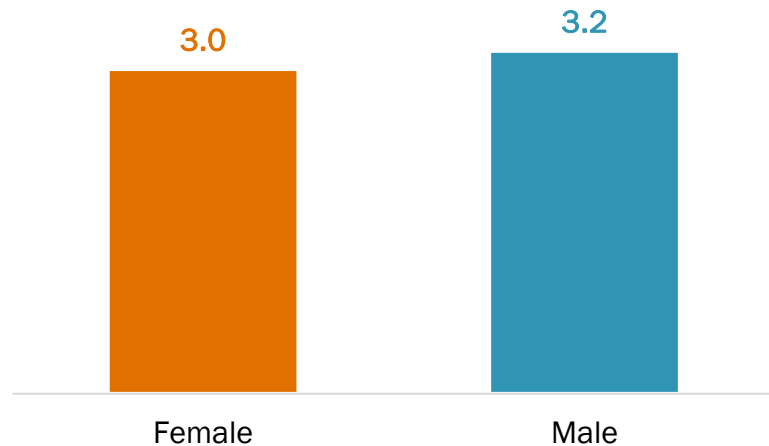


Most COVID-19 deaths occurred in a long-term care facility or an inpatient hospital setting.



Females and males have similar rates of COVID-19 death.

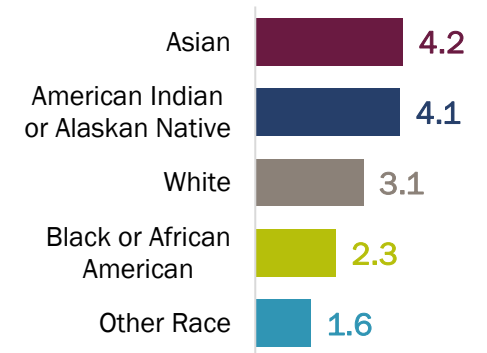
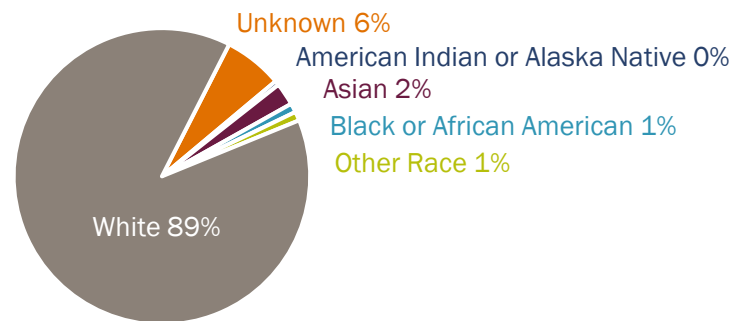
Rate per 10,000 Vermonters



White Vermonters represent a majority of COVID-19 deaths.

Death rates by race are similar.

Rate per 10,000 Vermonters



Note: No deaths have identified as Hispanic or Latino. Death rates by race are not statistically different.

Outbreaks

How is COVID-19 impacting group settings?

Outbreaks can occur in many types of places. Here is what outbreak means in these places:

Community Settings

Three or more COVID-19 cases involving more than one family or household where the cases:

- have an illness start date or positive test collection date within 14 days, **and**
- are linked through contact or location, **and**
- are not linked to another outbreak, **and**
- there is no other more likely source of exposure.

Resolved when no new confirmed or probable COVID-19 cases after 28 days (2 incubational periods) have passed since the most recent case's specimen collection date or illness onset date (whichever is later).

Educational Settings

Two or more COVID-19 cases among children/students or teachers/staff with known connections in the educational setting, and the cases:

- have an illness start date or a positive test collection date within 14 days, **and**
- do not live together or have close contact with each other in another setting, **and**
- there is no other more likely source of exposure.

Resolved when no new confirmed or positive cases are identified after 28 days (two incubation periods) from the last known facility exposure from a case, or if unknown, the last case's specimen collection or illness onset date (whichever is later).

Congregate Care or Living Settings*

Two or more patients/clients/residents or staff members with COVID-19 and known connections to each other in the facility setting.

*Examples include long-term care and other residential care facilities, correctional facilities and homeless shelters.

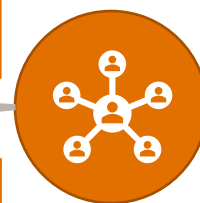
Resolved when no new COVID-19 positive tests occur after 28 days from the last positive test or illness start date (whichever is later).

Workplaces

Two or more COVID-19 cases among employees or customers at the same workplace, and the cases:

- had contact with each other in the business, **and**
- have an illness start or positive test collection date within 14 days, **and**
- do not live together or have close contact with each other in another setting, **and**
- there is no other more likely source of exposure.

Resolved when no new confirmed or probable cases are identified after 28 days (two incubation periods) from the last known business exposure from a case, or if unknown, the last case's specimen collection date or illness onset date (whichever is later).





18% of people testing positive for COVID-19 are associated with an outbreak.



Outbreaks

85 Active

77 Primary

8 Secondary

167 Resolved*

*See previous page for definitions of resolved outbreaks.

Congregate Care & Living

 **643** cases among residents

 **404** cases among facility staff

Schools & Child Care

 **426** cases among children & staff

**2,711
Unique
Cases**

Workplaces/Businesses

 **590** cases among employees

Some cases may be counted in more than one outbreak. The unique case count is the cumulative outbreak count, where all cases are counted only once.

Acute & Outpatient Healthcare

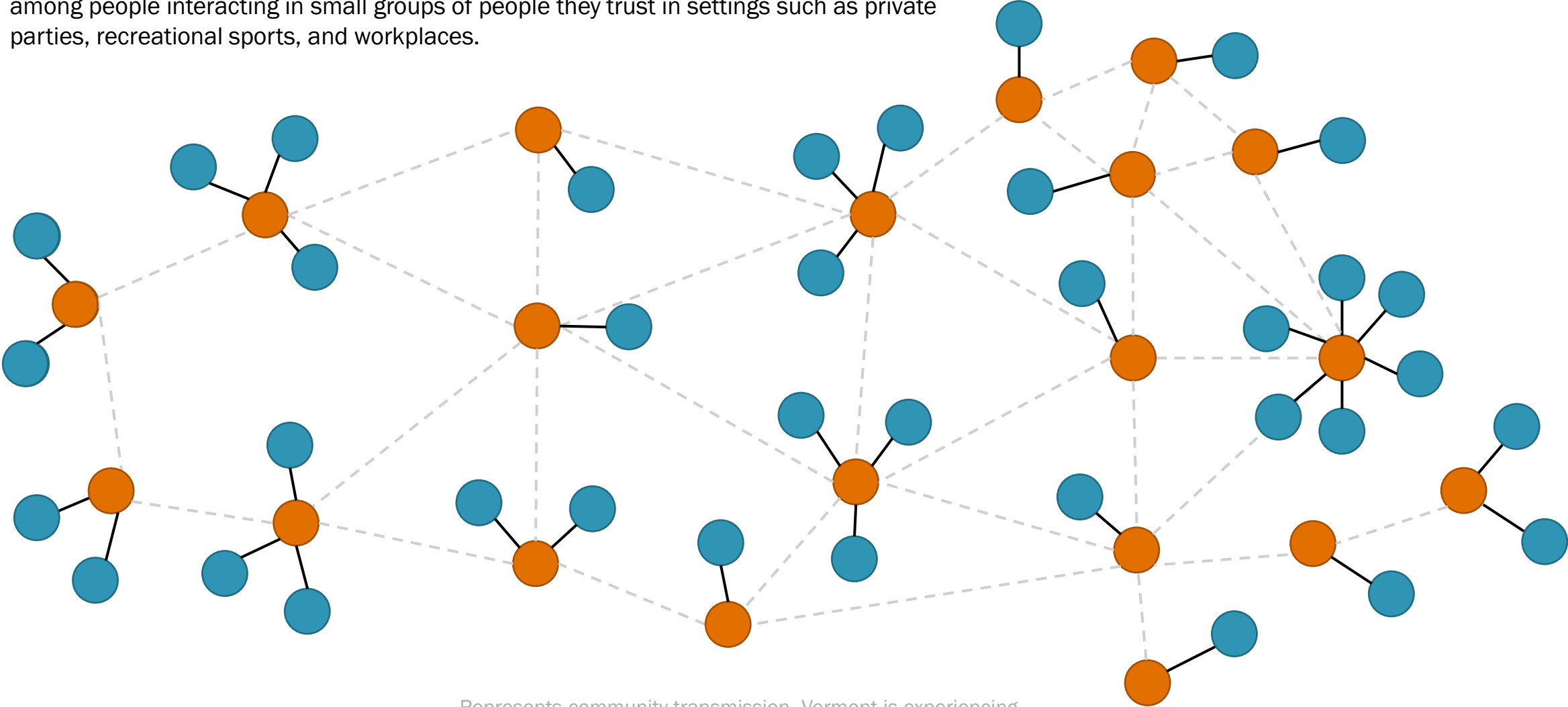
 **84** cases

Community

 **694** cases

20 primary outbreaks have led to 37 secondary outbreaks.

Secondary outbreaks are when multiple cases occur in a new setting as a result of spread from the primary outbreak. Transmission is largely, but not exclusively, happening among people interacting in small groups of people they trust in settings such as private parties, recreational sports, and workplaces.

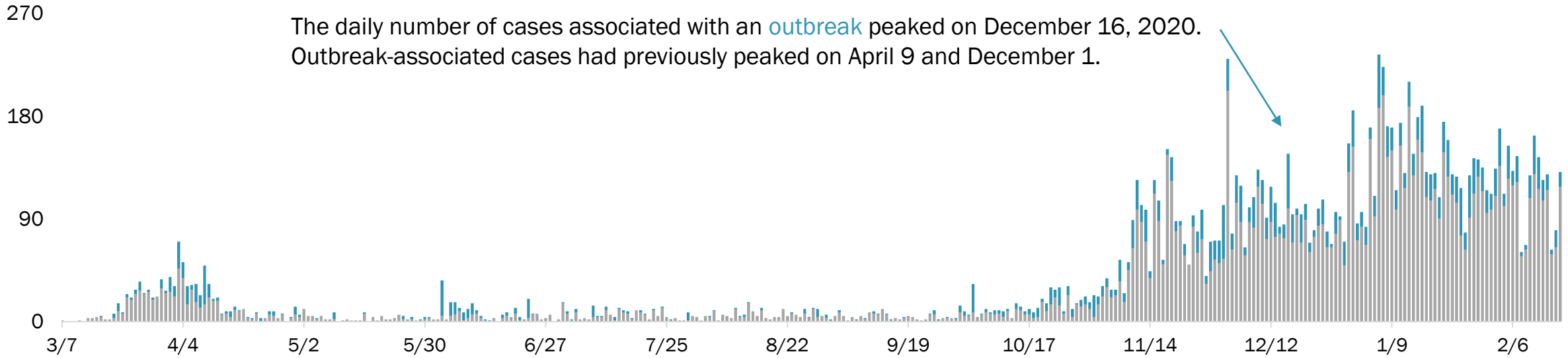


----- Represents community transmission. Vermont is experiencing elevated levels of community transmission across the state.

Source: Vermont Department of Health
Reflects confirmed data as of 2/24/2021

Vermont COVID-19 Cases Associated with an Outbreak Over Time

The daily number of cases associated with an outbreak peaked on December 16, 2020. Outbreak-associated cases had previously peaked on April 9 and December 1.

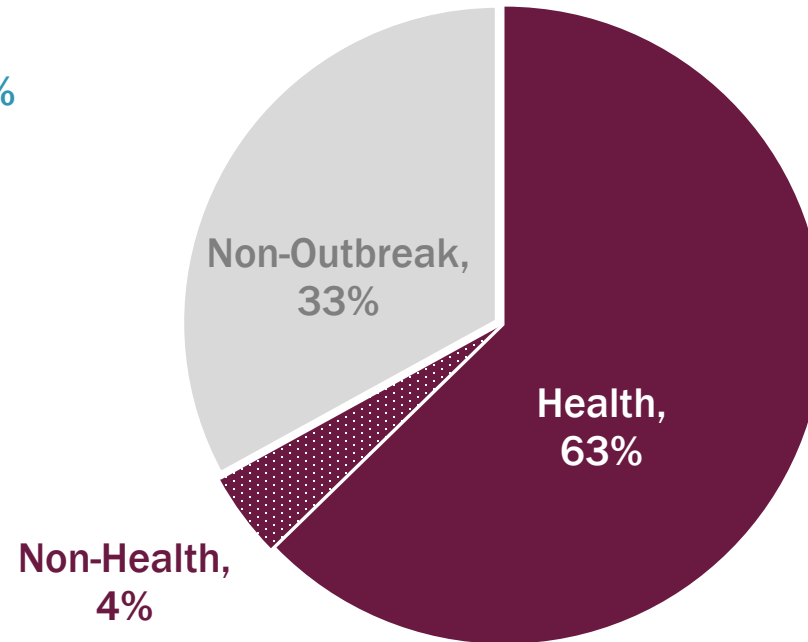
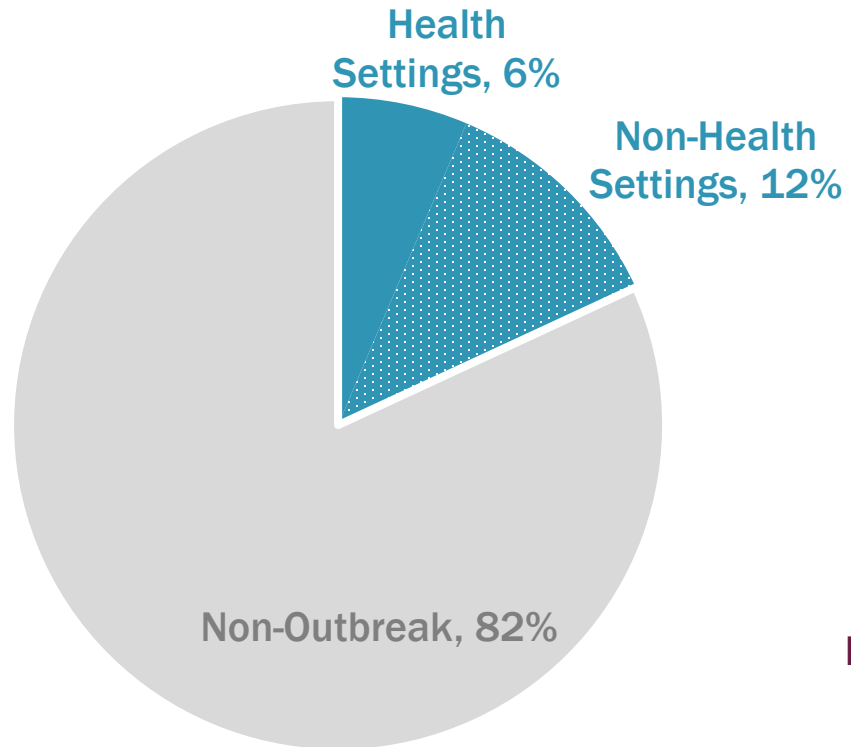


Vermont COVID-19 Deaths Associated with an Outbreak Over Time



Source: Vermont Department of Health
Reflects confirmed data as of 2/10/2021

While only 18% of all people testing positive for COVID-19 are associated with an outbreak, 67% of COVID-19-related deaths occur in outbreak settings.



Values in these charts are rounded to the nearest whole number and therefore may not always add to 100% due to error introduced in rounding.

Note: Examples of a health setting include long term care or assisted living facilities, therapeutic treatment centers, and behavioral health institutions. Examples of a non-health setting include correctional facilities, senior housing communities, businesses, and homeless shelters. Vermont has not experienced an outbreak in all health and non-health settings.

A similar percentage of **females** and **males** with COVID-19 are associated with outbreaks

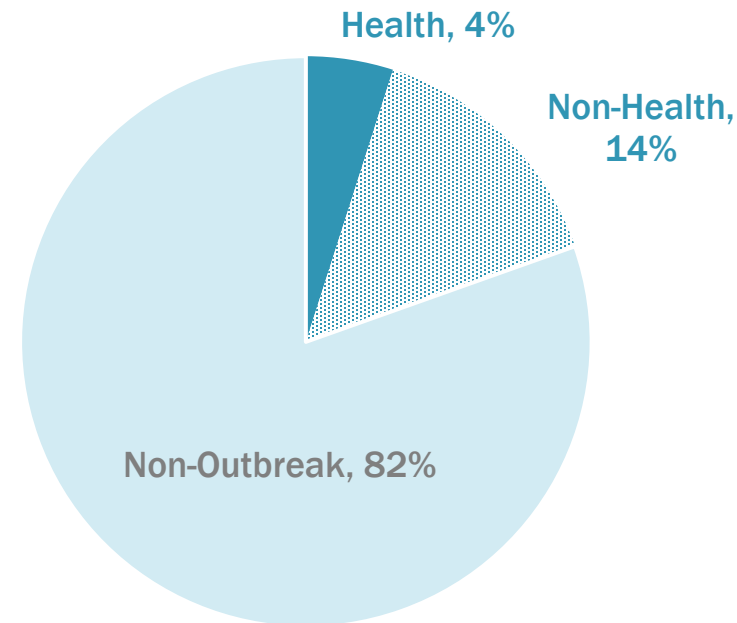
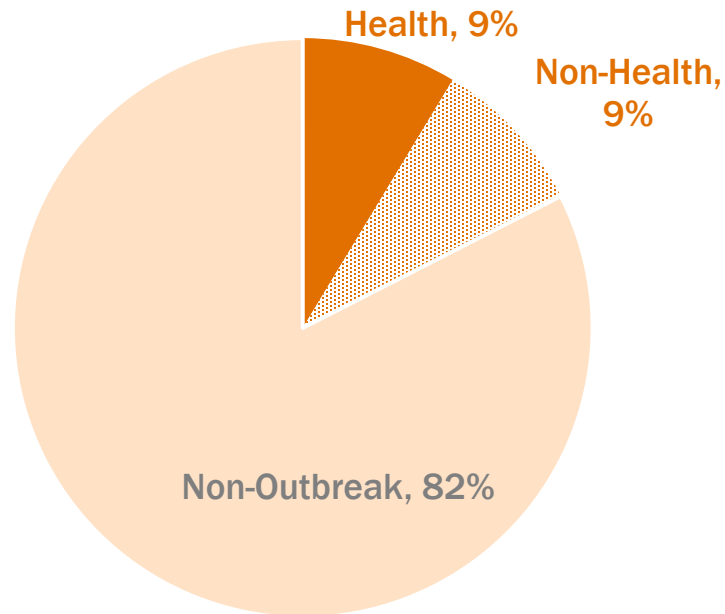


18% of **females** with COVID-19 are associated with an outbreak.



19% of **males** with COVID-19 are associated with an outbreak.

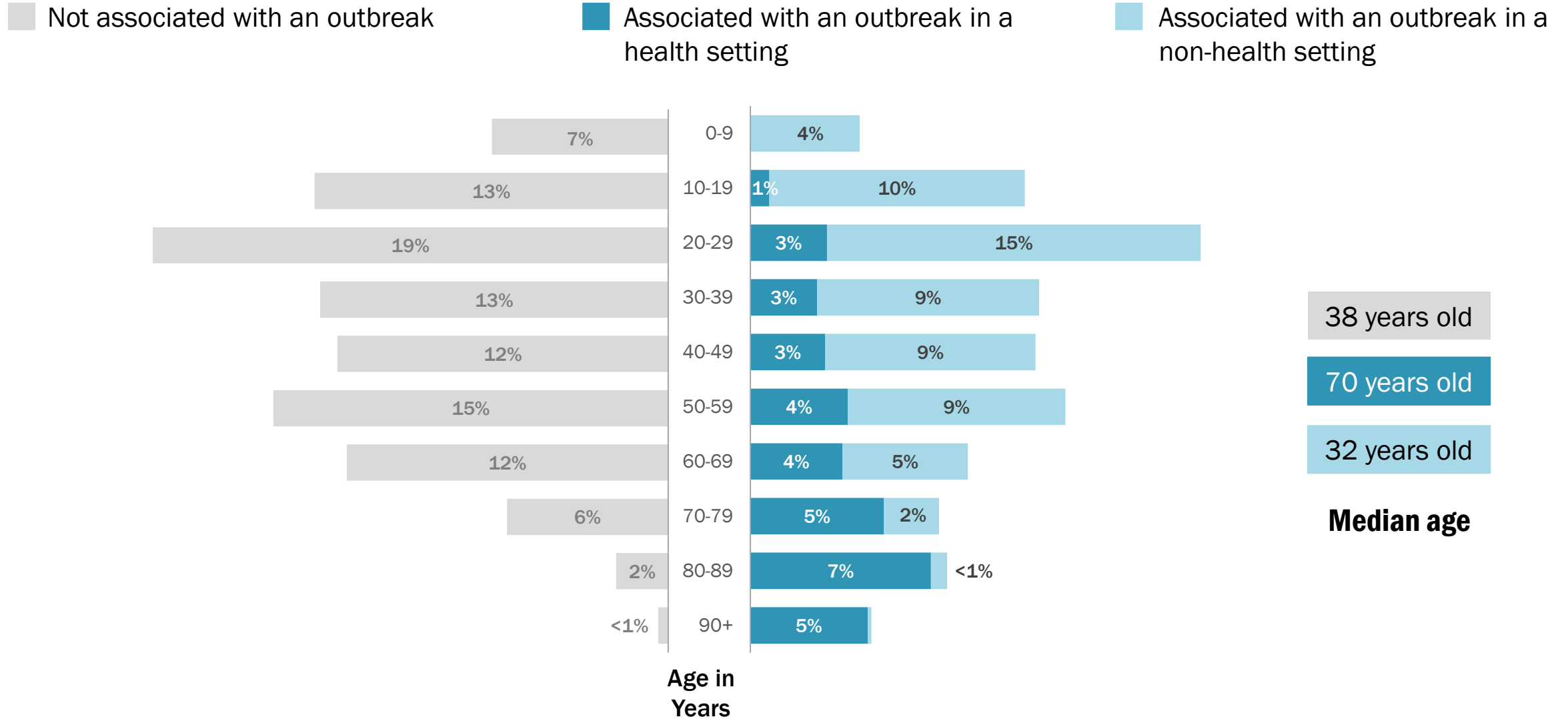
Females with COVID-19 are more likely to be associated with outbreaks in health settings than **males**.



Values in these charts are rounded to the nearest whole number and therefore may not always add to 100%. Percentages by outbreak type are rounded to the whole number, but combined totals consider the full percentages.

Note: Examples of a health setting include long-term care or assisted living facilities, therapeutic treatment centers, and behavioral health institutions. Examples of a non-health setting include correctional facilities, senior housing communities, businesses, and homeless shelters.

Percent of People Testing Positive for COVID-19 by Outbreak Status and Age



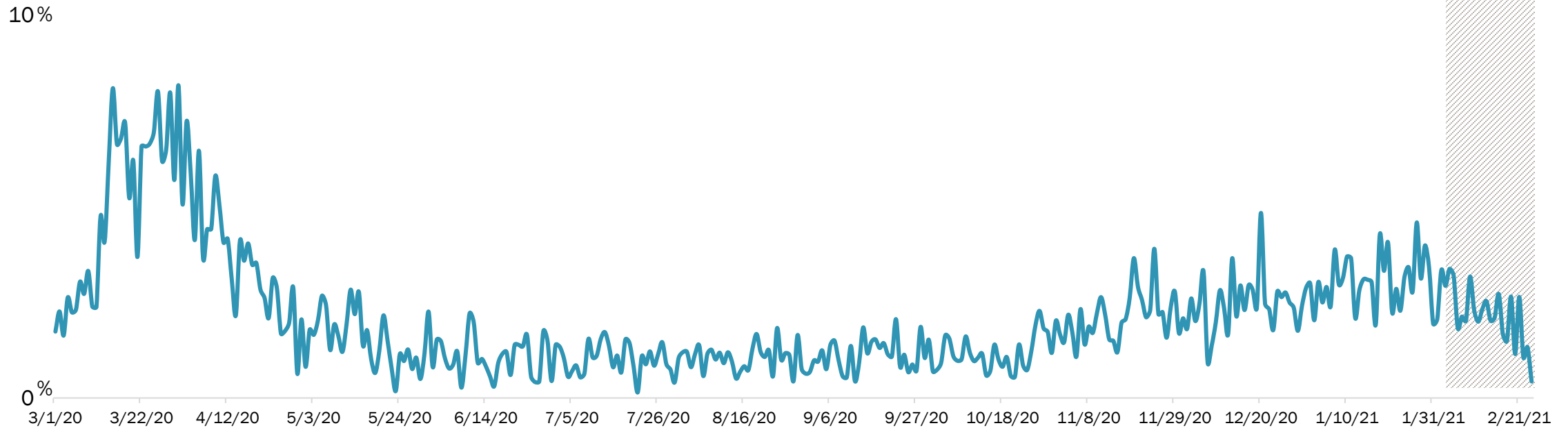
Note: Examples of a health setting include long-term care or assisted living facilities, therapeutic treatment centers, and behavioral health institutions. Examples of a non-health setting include correctional facilities, senior housing communities, businesses, and homeless shelters.

Syndromic Surveillance

What we can learn from emergency room and urgent care centers?

The percent of emergent care visits for COVID-19-like illness has declined over the past 2 weeks.

Syndromic surveillance from 13 of 14 Vermont hospitals and 2 urgent care centers. Monitoring this data acts as an early indicator of potential spikes of COVID-19 in the community.



Interpret with caution, there is a chance for over or underestimation given the lag in reporting.

COVID-19-like illness diagnosis is determined using the patient's chief complaint and/or discharge diagnosis.

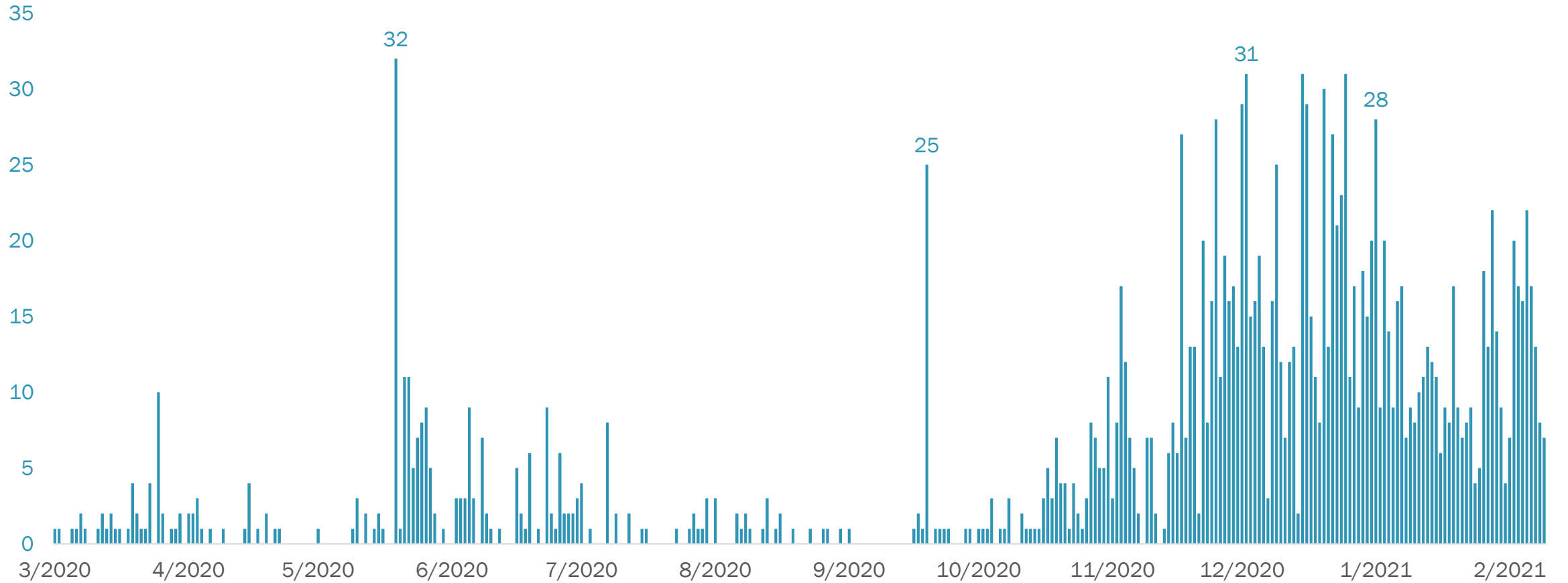
COVID-19-like illness is the presence of a fever with the addition of shortness of breath, difficulty breathing, or cough.

COVID-19-like illness excludes patients with an influenza discharge diagnosis.

Weekly Spotlight: Cases among Black, Indigenous and People of Color (BIPOC)

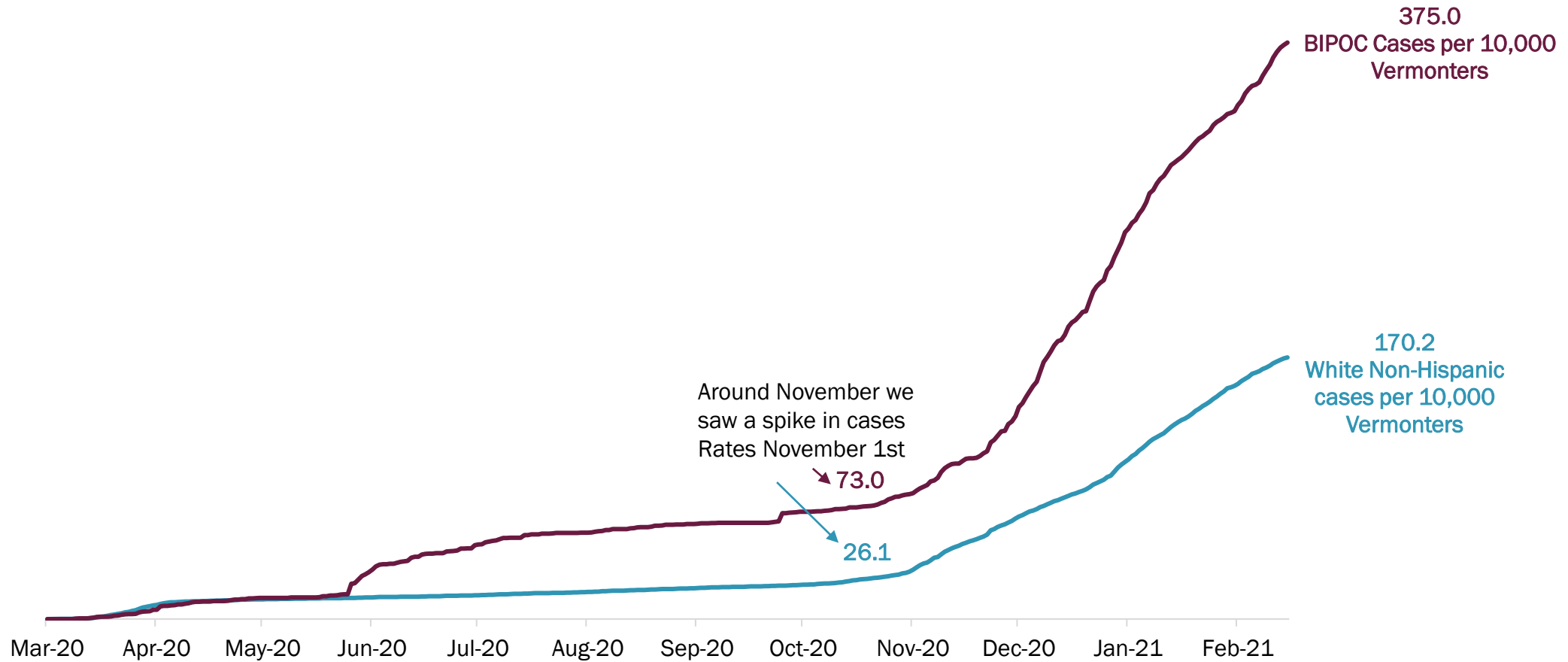
There is a disproportionate number of BIPOC with COVID-19 in Vermont. This section focuses on the 1,742 Vermont resident cases who are Asian, African American or Black, American Indian or Alaskan Native, Hispanic or race other than white.

New COVID-19 Cases among BIPOC



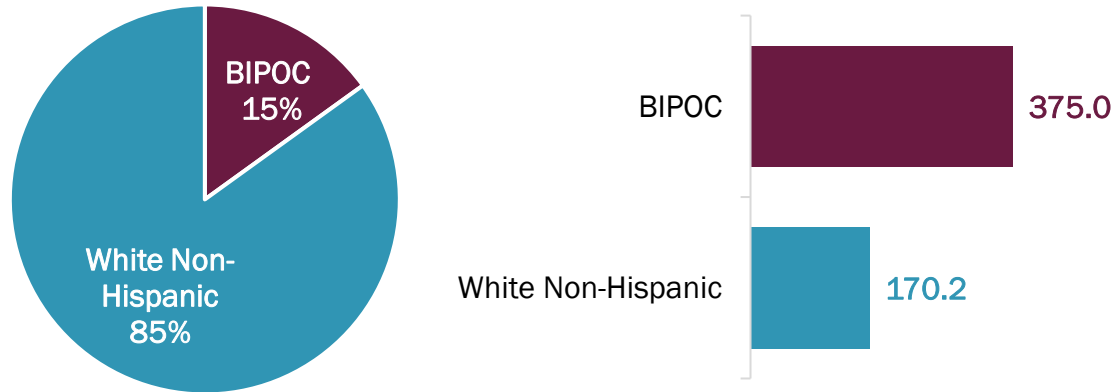
Rates of COVID-19 among BIPOC and White non-Hispanic Vermonters Over Time

Rate per 10,000



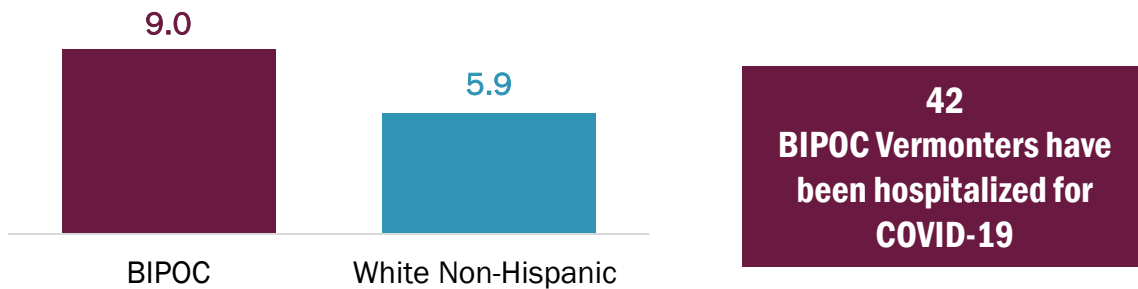
1 in 7 COVID-19 cases are BIPOC. Rates of COVID-19 are 2 times higher for BIPOC compared with white non-Hispanic residents.

Rates per 10,000 Vermont BIPOC or white non-Hispanic residents



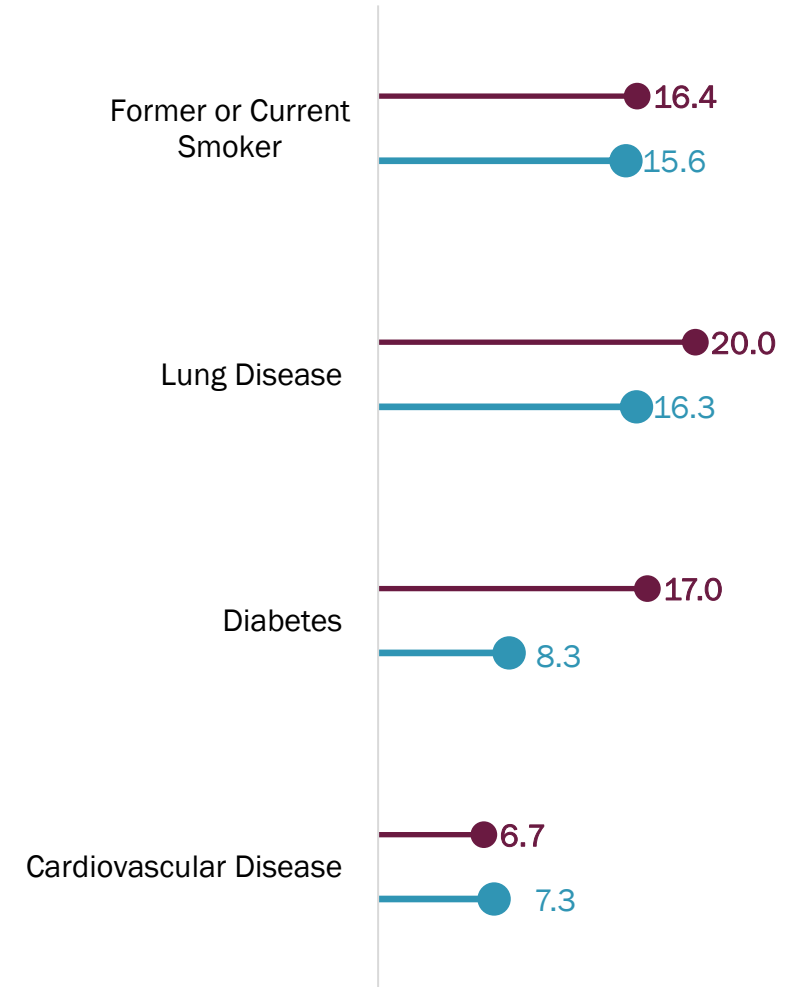
BIPOC with COVID-19 have a higher hospitalization rate than white non-Hispanic people with COVID-19.

Rate per 10,000 Vermont BIPOC and white non-Hispanic residents



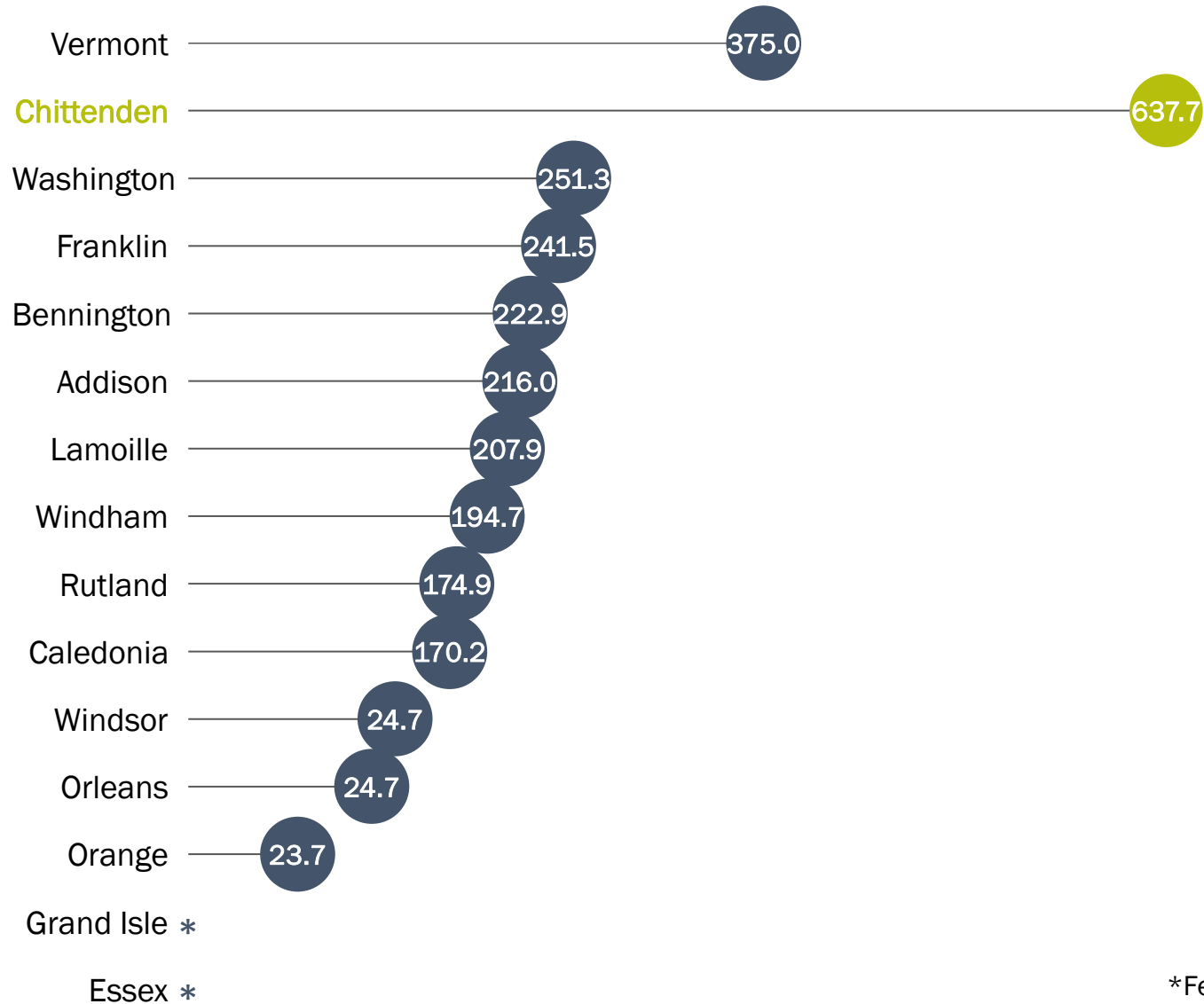
BIPOC with COVID-19 have higher rates of most chronic diseases compared with white non-Hispanic people with COVID-19.

Rate per 10,000 Vermont BIPOC or white non-Hispanic residents



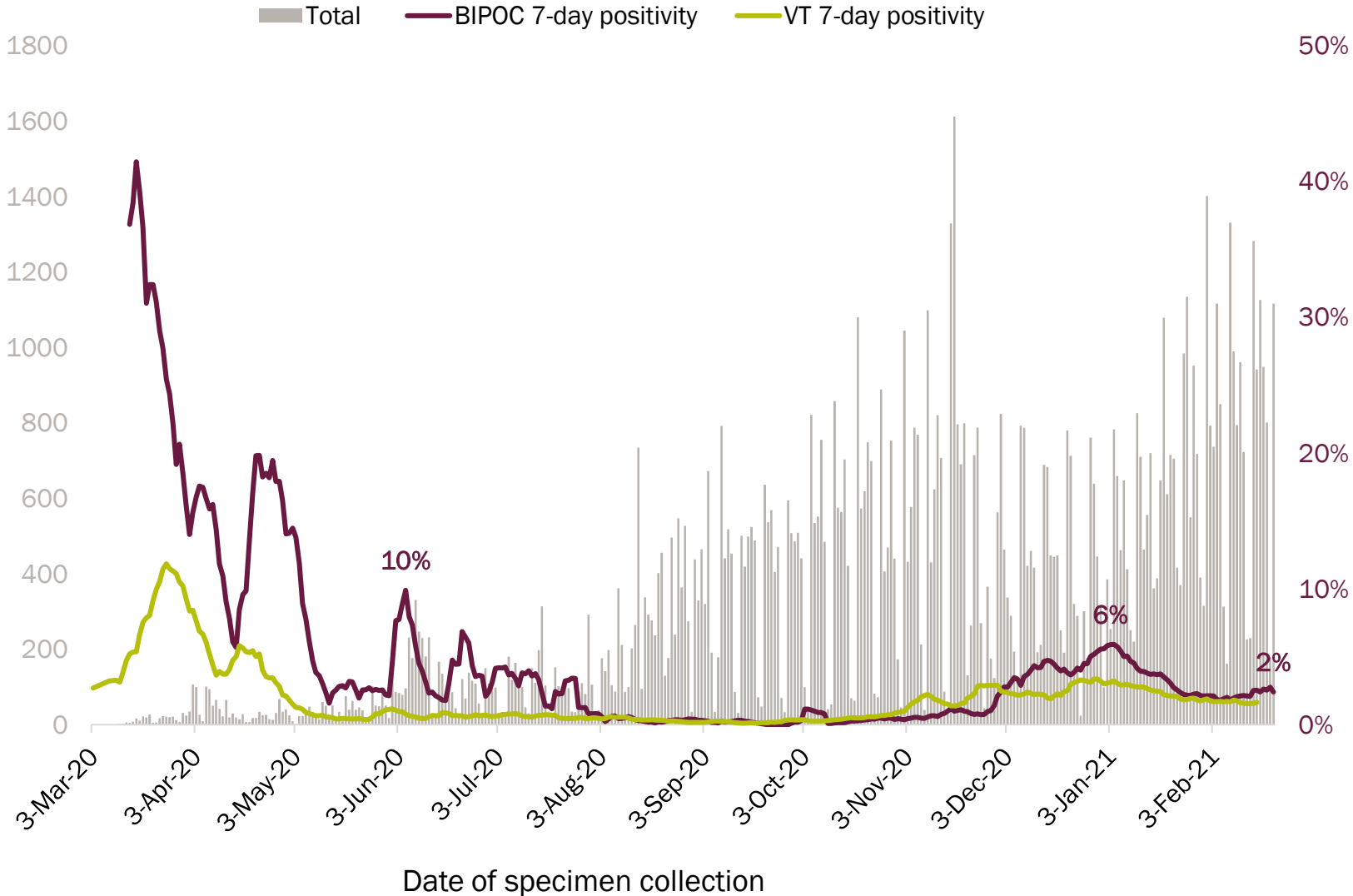
Chittenden County has the highest rate of COVID-19 among BIPOC.

Rate per 10,000 BIPOC Vermonters

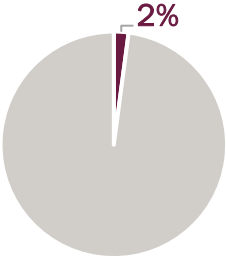


*Fewer than 6 cases

The percent positivity among BIPOC Vermonters may indicate how prevalent COVID-19 may be in the BIPOC community.



Percent Positive to Date
BIPOC

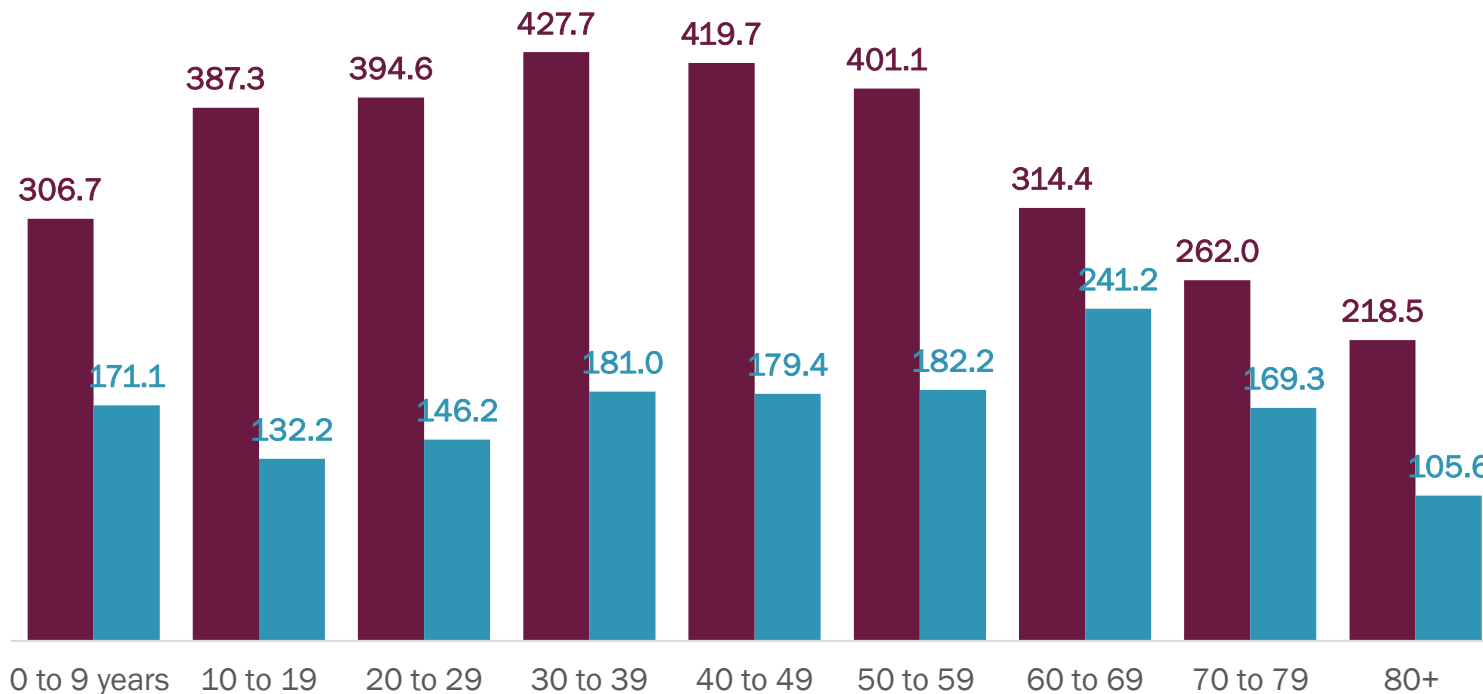


24,149
BIPOC
Vermonters
Tested to Date

108,891
Tests among
BIPOC
Vermonters
to Date

Rates of COVID-19 among BIPOC Vermonters by age

Rates per 10,000 BIPOC Vermonters

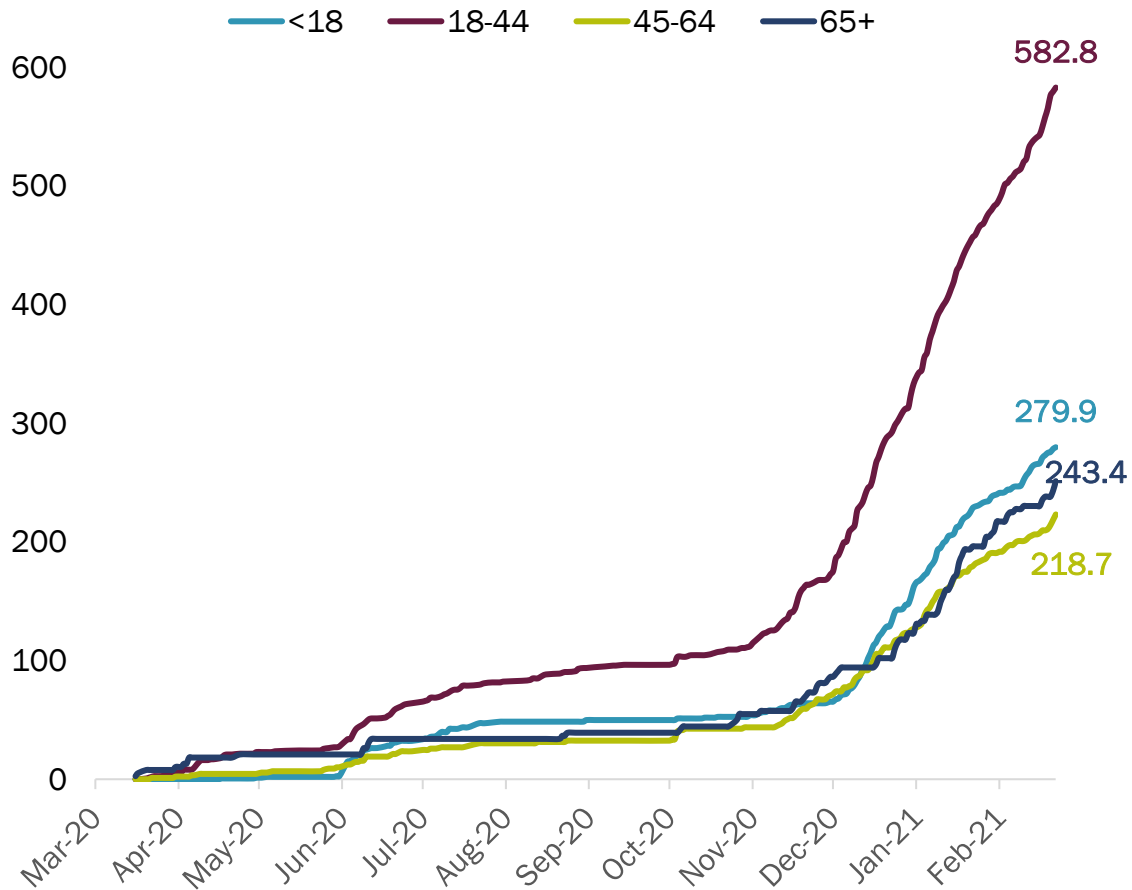


32
BIPOC case average age

42
White non-Hispanic case average age

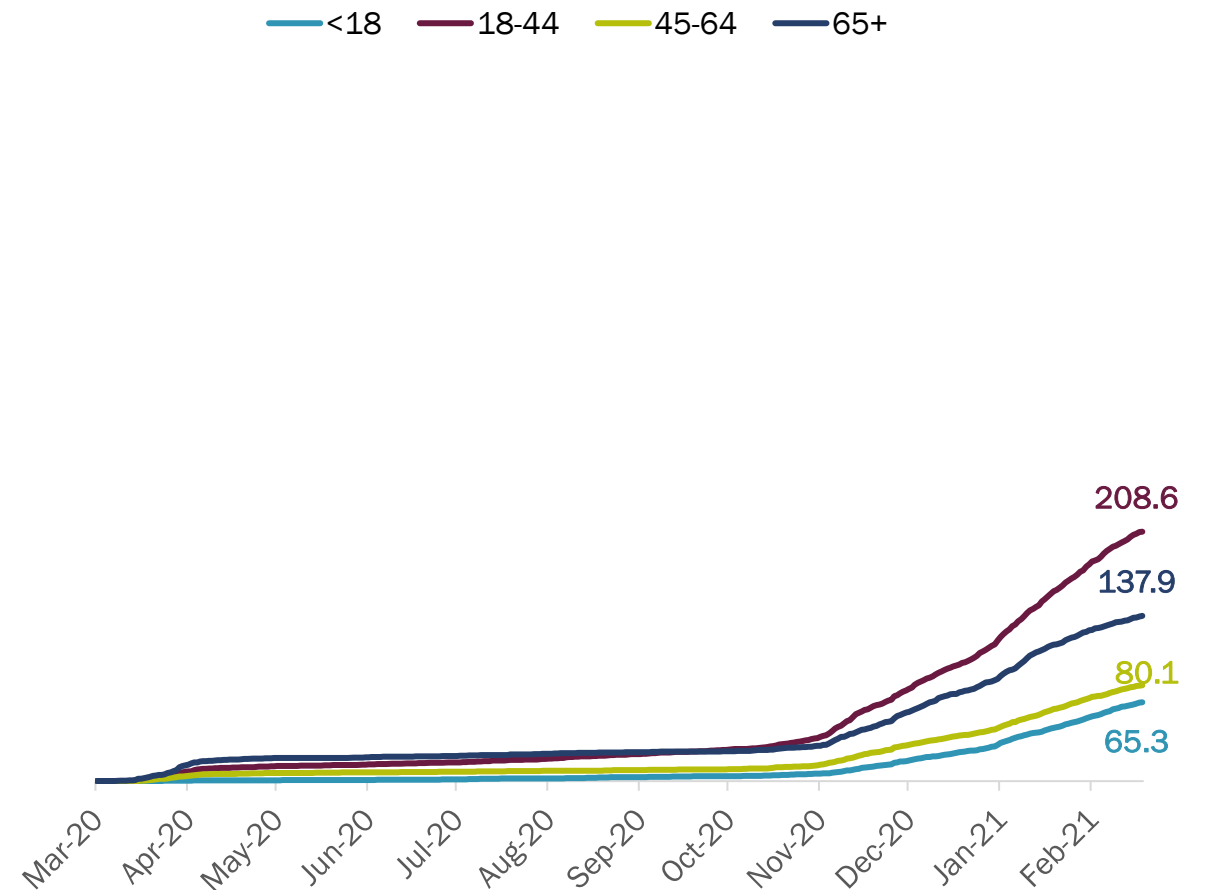
Rates among younger BIPOC Vermonters are higher compared to older BIPOC Vermonters.

Rate of COVID-19 per 10,000 BIPOC Vermonters

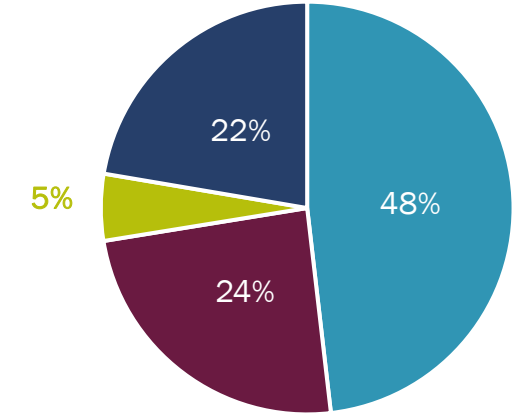
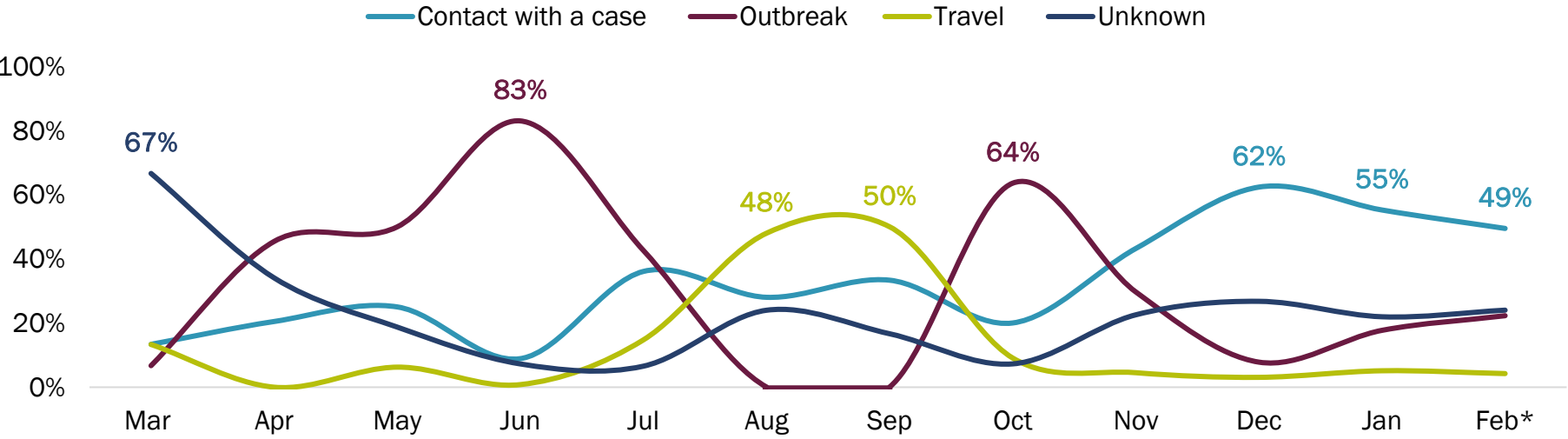


Rates among white non-Hispanic people are highest among 18-44 year olds.

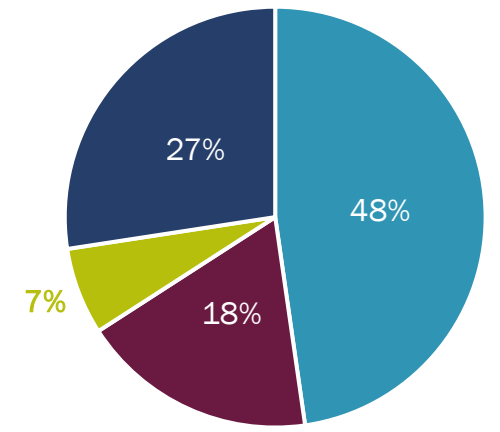
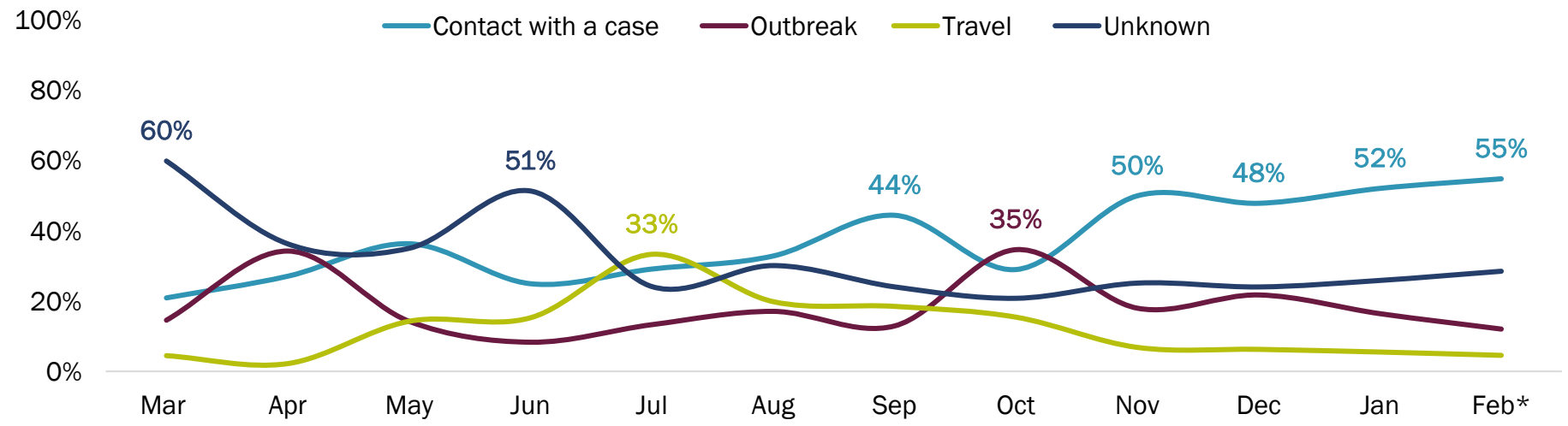
Rate per 10,000 White Non-Hispanic Vermonters



Percent of BIPOC Cases by Source of Exposure



Percent of White Non-Hispanic Cases by Source of Exposure



What are some contributing factors that led to the disparities we see for Black, Indigenous and people of color?

Systemic and structural racism, and oppressive systems affect the conditions in which people are born, grow, live and work.

People in communities that are underserved may:

- have higher rates of underlying medical conditions.
- work in jobs with higher risk for exposure and have less paid sick time.
- be more likely to live in multi-generational housing or congregate living spaces.
- have less access to personal protective equipment and hand sanitizer.

What must be done about the Black, Indigenous and people of color disparities we see?

- Fund racial justice advocacy organizations
- Fund community health workers
- Focus on primary prevention efforts
- Acknowledge that Vermont Department of Health messages and services miss many Vermonters
- Engage the community in determining the most effective ways to reach all people



Learn more about COVID-19 in Vermont:

Web: www.healthvermont.gov/COVID-19

Email: AHS.VDHPublicCommunication@vermont.gov

See more data: [Weekly Data Summaries](#)