

Weekly Summary of Vermont COVID-19 Data

Reflecting cases identified between
March 5 – August 19, 2020



Date published: August 21, 2020. 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 August 12 through August 19.

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.

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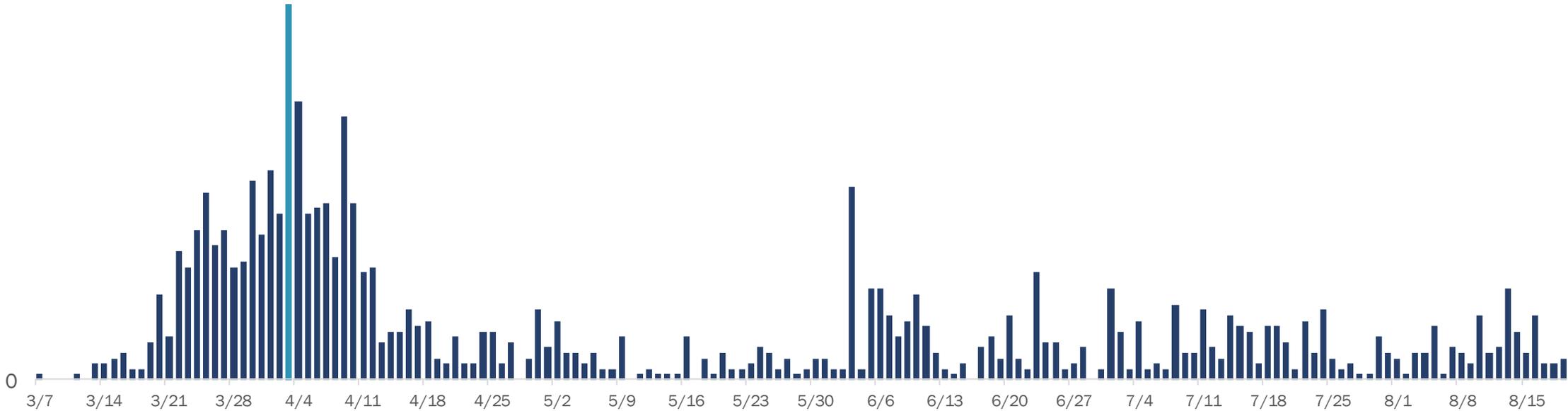
Weekly Spotlight

COVID-19 in Vermont

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

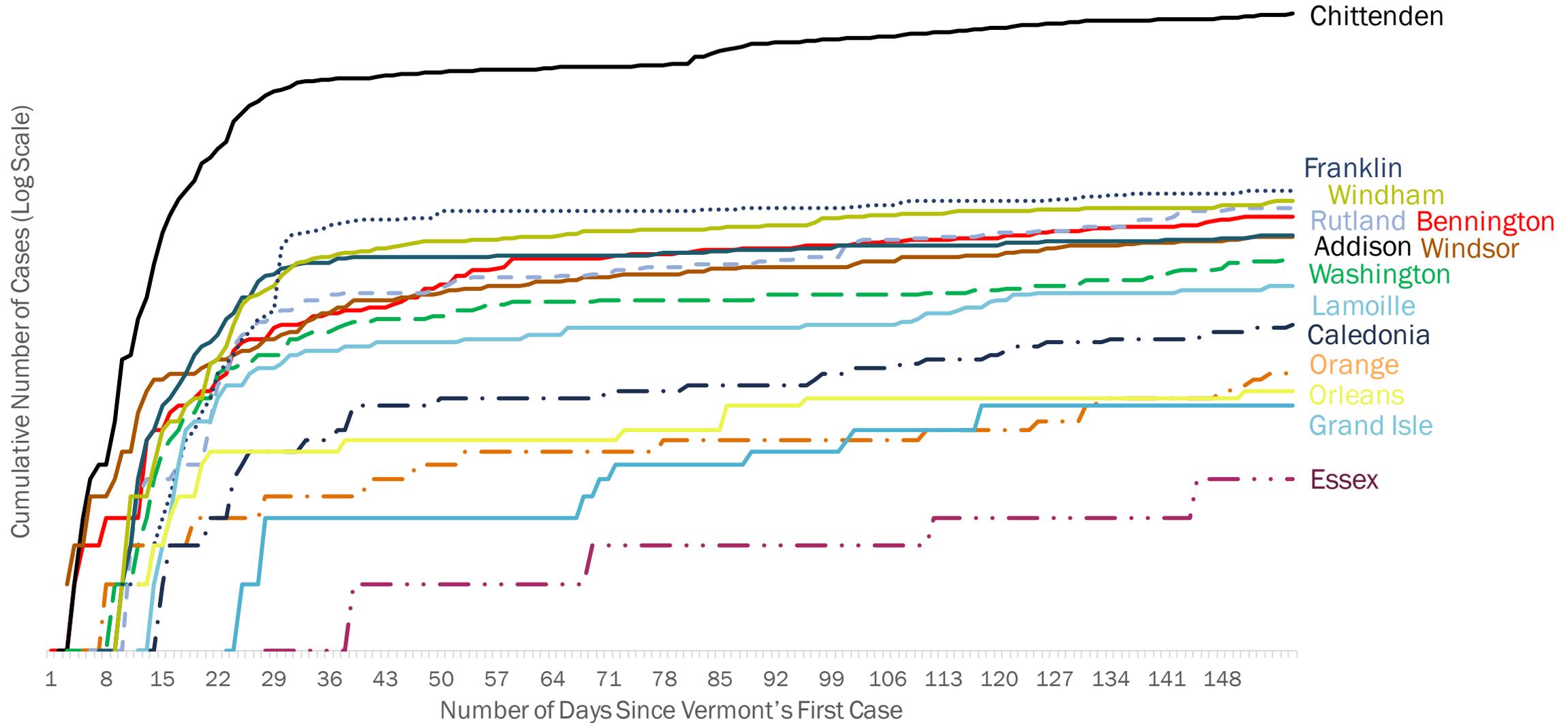
Total Number of Cases in Vermont: 1,537

80 The daily number of COVID-19 cases in Vermont peaked on April 3.

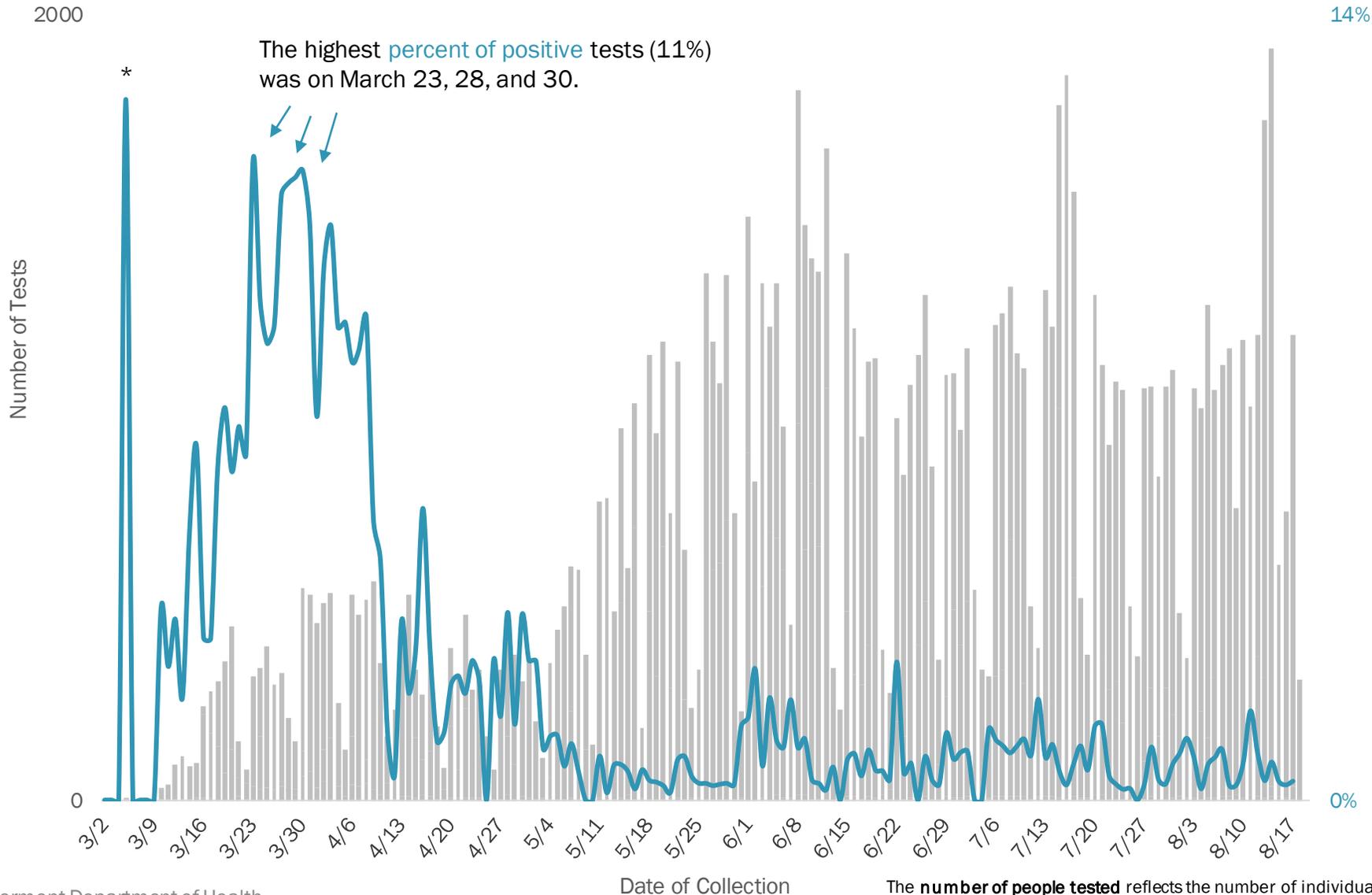


Most counties have reached a plateau in the number of new cases.

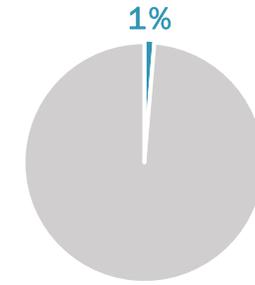
Growth over time by county (n=1,529)



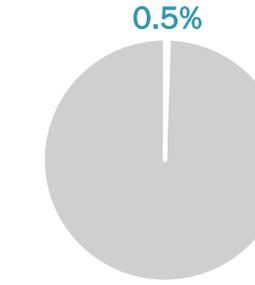
Percent of positive COVID-19 tests may indicate how prevalent the disease is in the population.



Percent Positive to Date



Percent Positive This Week (August 12 - August 19)



11,165 People Tested this Week	16,247 Tests this Week
115,459 People Tested to Date	152,262 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 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 people with laboratory confirmed COVID-19 divided by the total number of people tested. None of these numbers include serology or antigen testing.

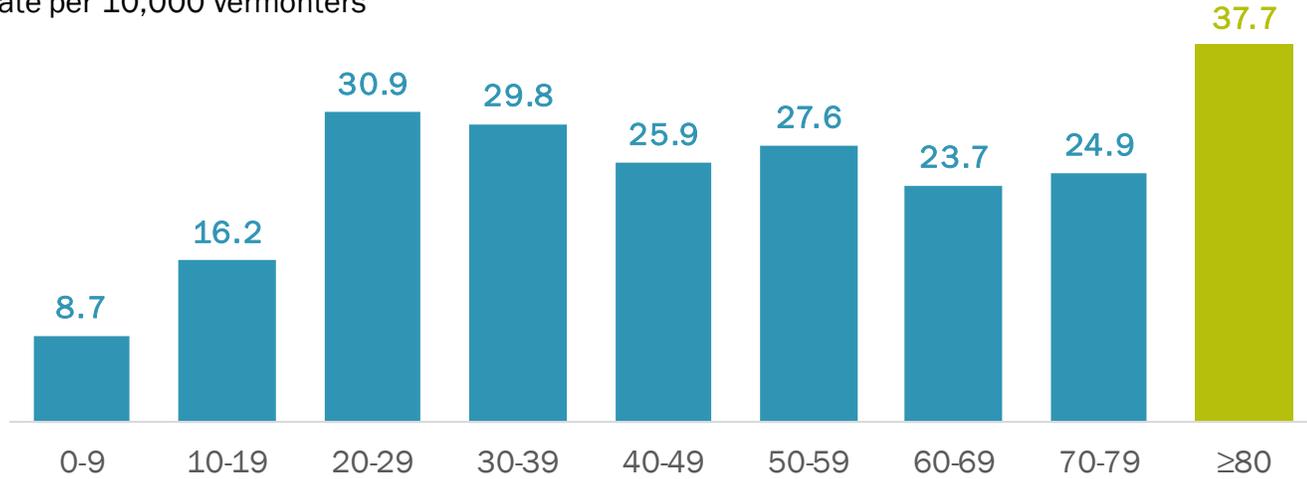
*Not a stable estimate due to small numbers. There were 8 total tests and 1 was positive.

Case Demographics

Who has been impacted by COVID-19 in Vermont?

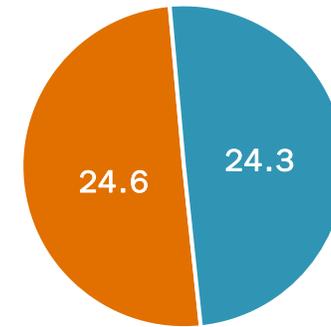
Rates of COVID-19 are disproportionately high among Vermonters 80 years and older.

Rate per 10,000 Vermonters



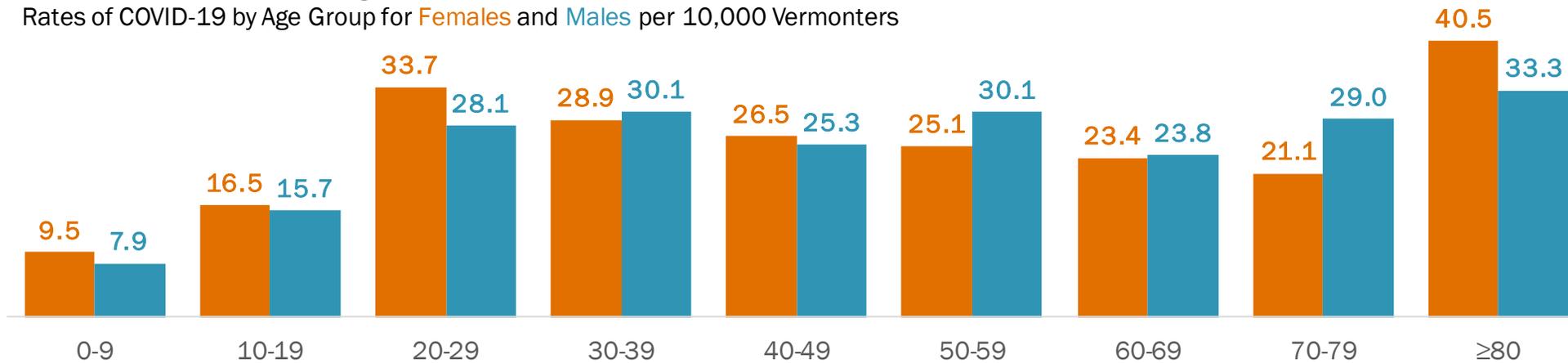
Females and males have similar rates of COVID-19.

Rate per 10,000 Vermonters



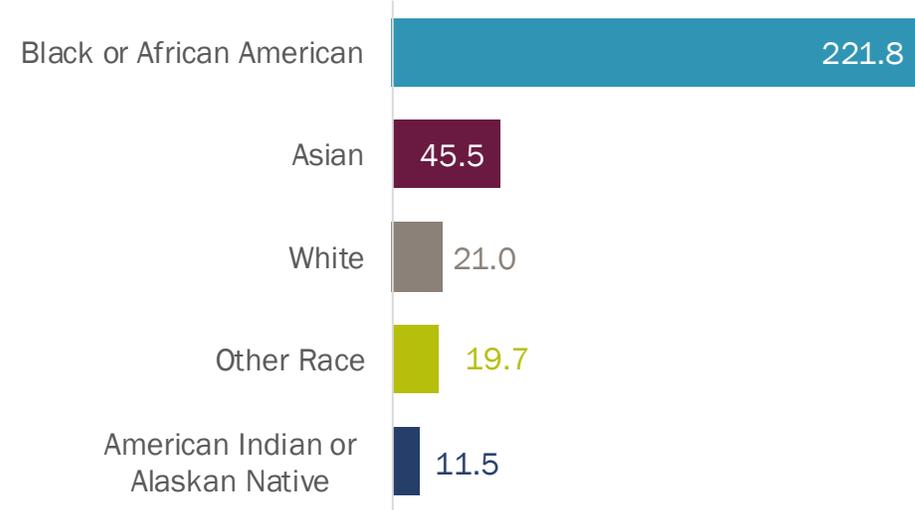
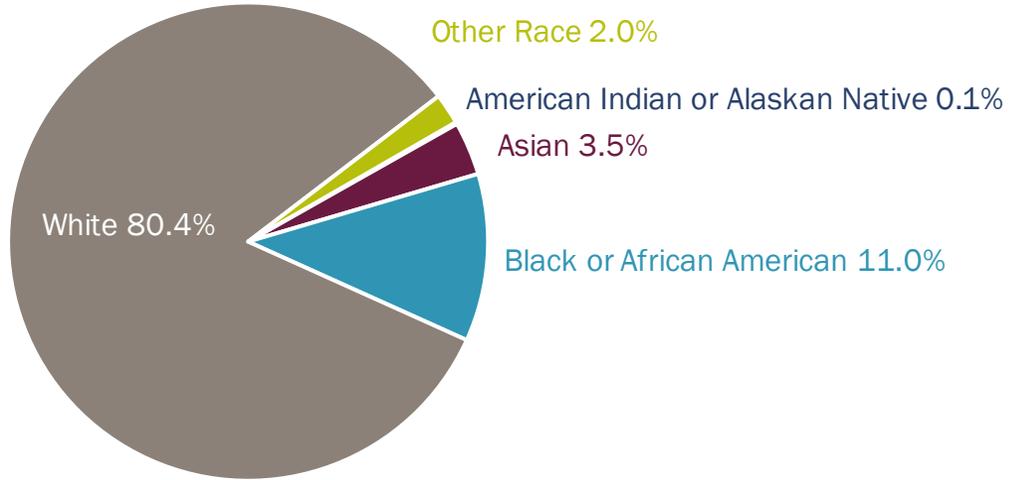
There are differences in age and sex of Vermonters with COVID-19.

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



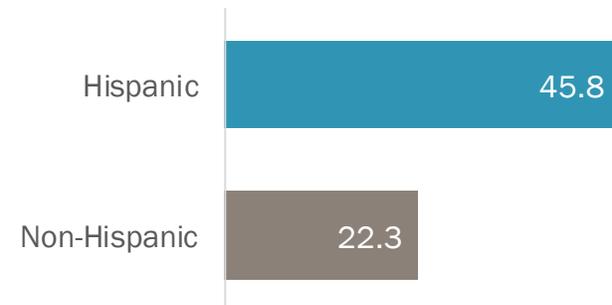
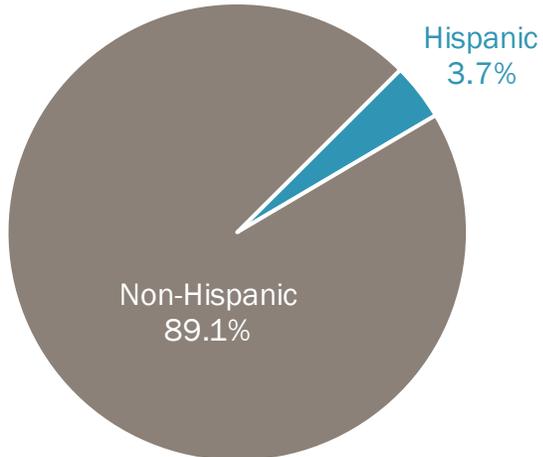
White Vermonters represent the majority of COVID-19 cases. African American Vermonters have the highest rate.

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.

Note: Race is unknown in 3% of cases (n = 46) and ethnicity is unknown in 7% of cases (n = 110).

Approximately 56% of people* with COVID-19 have a pre-existing condition.

*of the 1,228 people that the Health Department has pre-existing condition data for.

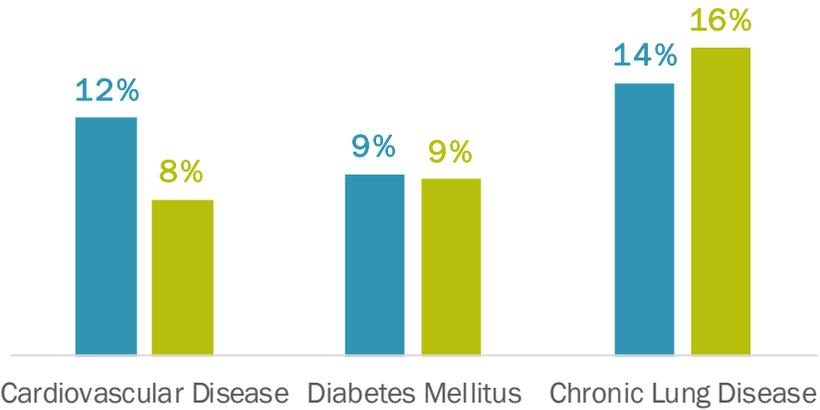
Condition	Count	Percentage
Heart Disease	149	12%
Chronic Lung Disease (includes asthma and COPD)	171	14%
Chronic Liver Disease	11	1%
Chronic Kidney Disease	34	3%
Current/Former Smoker	257	21%
Diabetes	114	9%
Immunocompromised Condition	52	4%
Neurologic Condition/Intellectual Disability	36	3%
Other Chronic Condition**	322	26%
Pregnant	12	1%

45% 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.

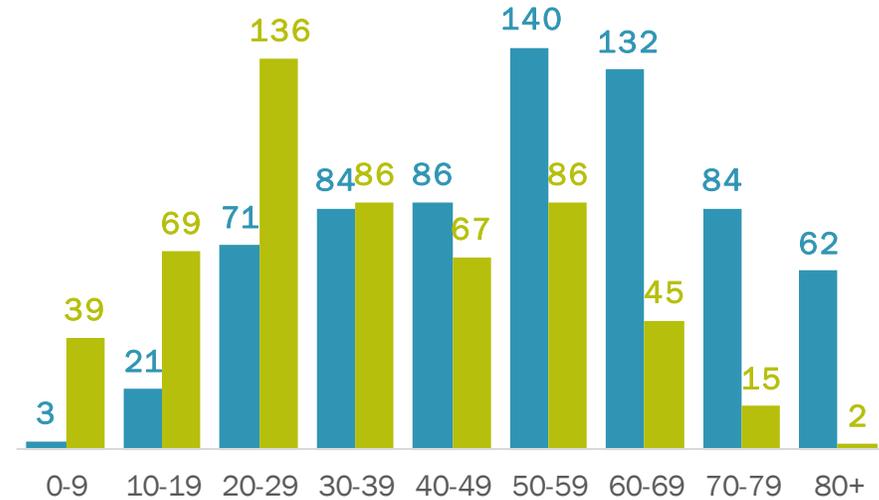
The Health Department has information about pre-existing conditions in 80% (1,228) of 1,537 total COVID-19 cases.

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

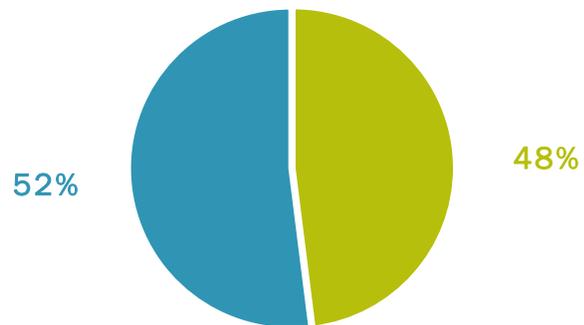


Data Source: Cardiovascular disease and diabetes, BRFSS 2018 annual report. Chronic lung disease, 3-4-50 Community profile (2016-2017 BRFSS).

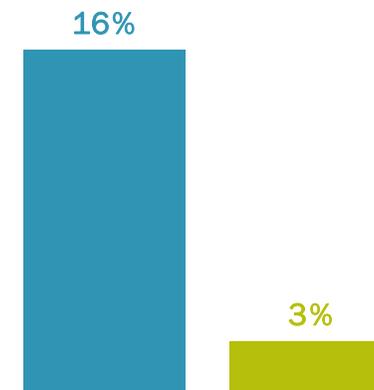
COVID-19 patients with pre-existing conditions tend to be older than those without pre-existing conditions.



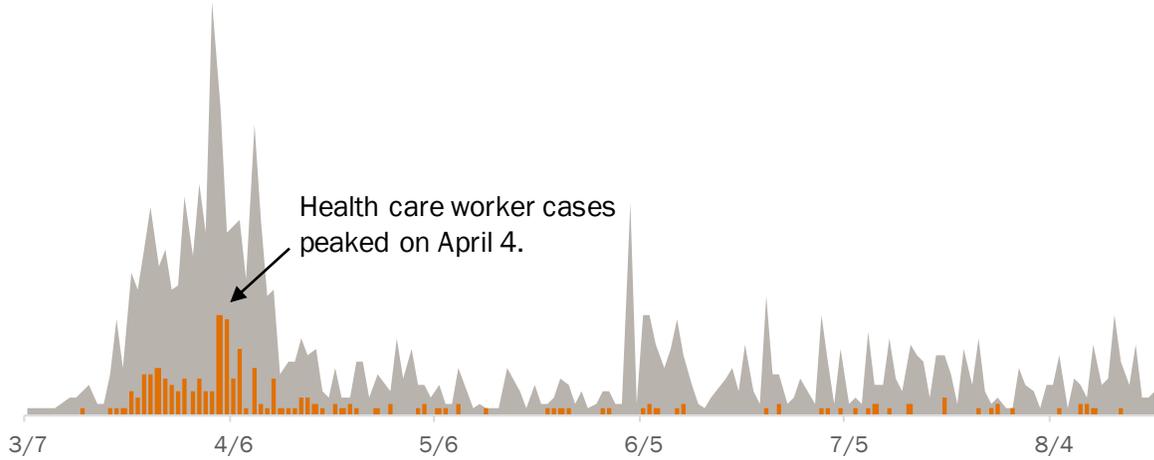
Prevalence of pre-existing conditions is approximately equal between female and male COVID-19 patients.



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



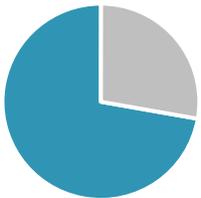
Number of **New Health Care Worker** and **All Cases** by Day



1 in 6 Vermonters with COVID-19 are health care workers.



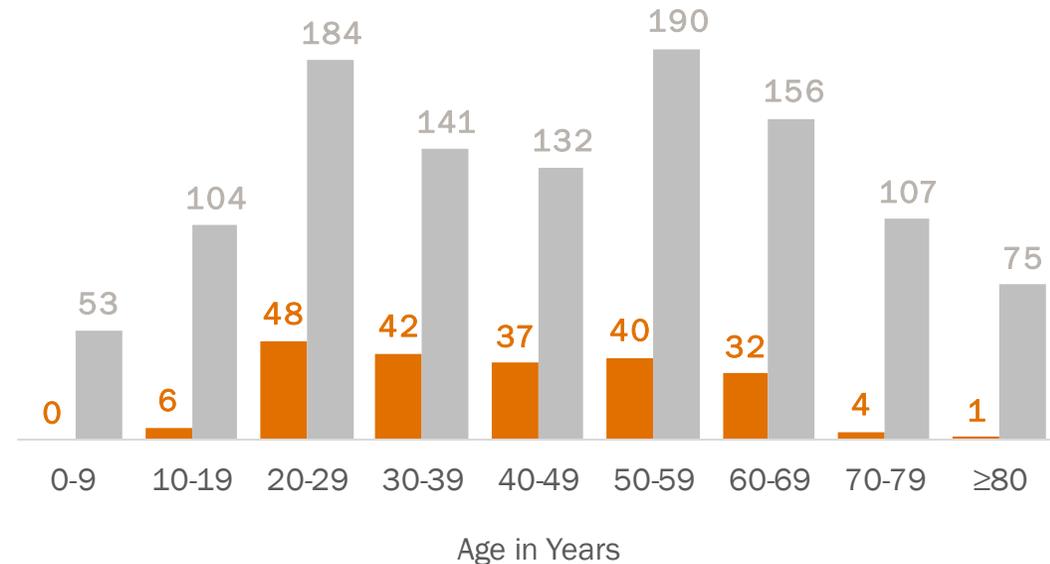
7 in 10 health care workers with COVID-19 are **female**.



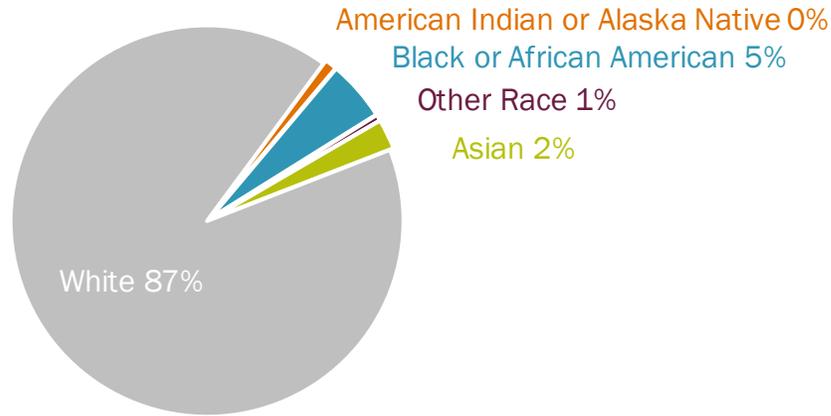
32% of health care workers with COVID-19 are associated with an **outbreak**.



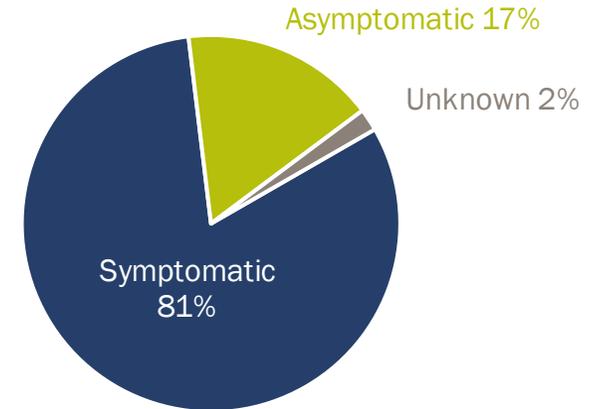
Health care workers with COVID-19 tend to be younger than non-health care workers with COVID-19.



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



Most health care workers with COVID-19 have symptoms.



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



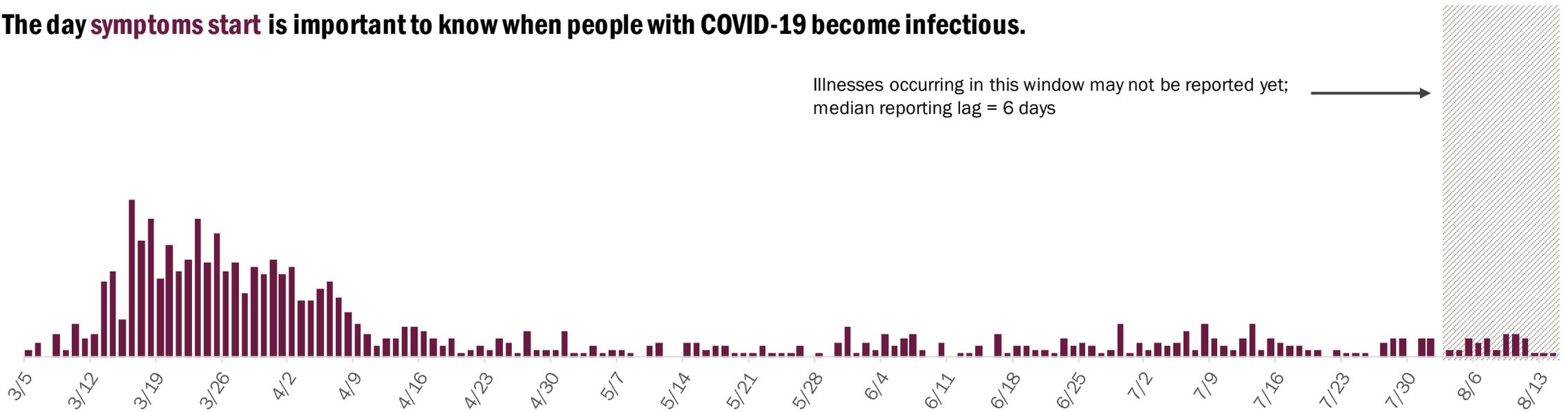
There are no reported deaths among health care workers.

Sign or Symptom among Health Care Workers with COVID-19	Percent of Symptomatic Cases
Cough	70%
Fatigue	63%
Headache	60%
Loss of Smell or Taste	52%
Muscle Pain	50%
Runny nose	46%
Chills	42%
Fever	41%

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.



Note: Date of symptom onset is not always known.

13 days
Average illness duration

73%
Cases with symptoms

Sign or Symptom	Percent of Symptomatic Cases
Cough	68%
Fatigue	66%
Headache	53%
Muscle Pain	50%
Fever	47%

Most Vermonters with COVID-19 are not hospitalized.



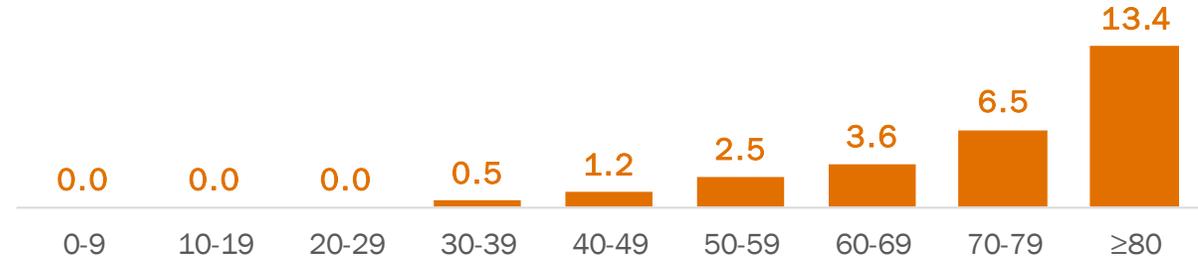
15%
Of those hospitalized were on a ventilator

36%
Of those hospitalized were in the ICU

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

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

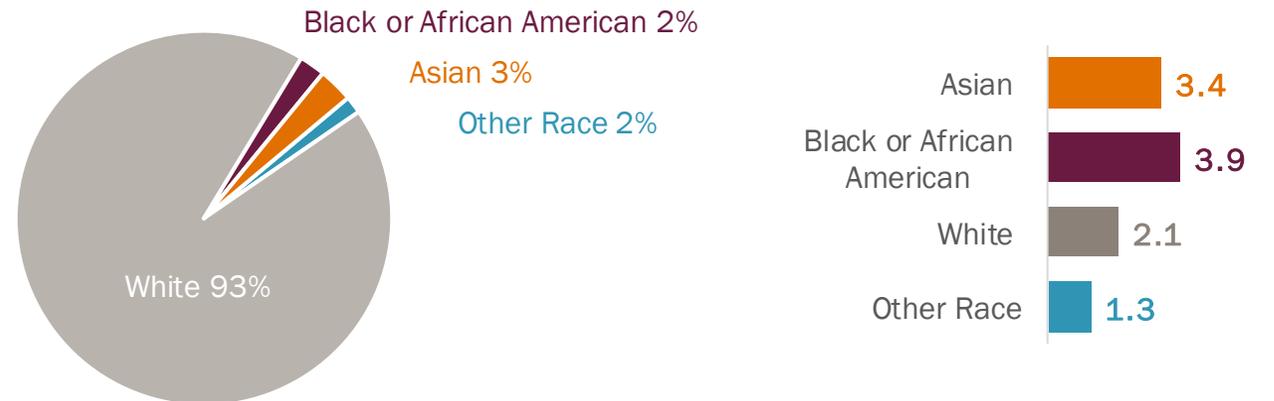
Rate per 10,000 Vermonters



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

Hospitalization rates by race are similar.

Rate per 10,000 Vermonters

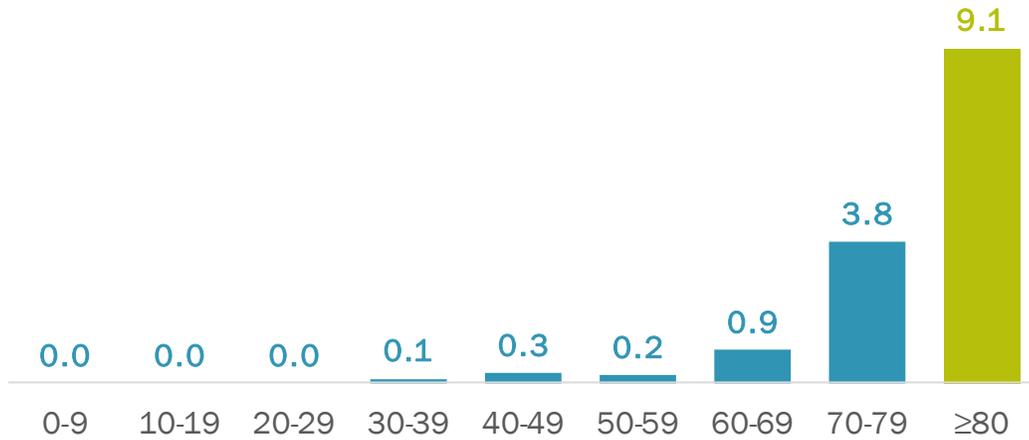


Please note 5 hospitalized persons are missing race information.

*The number of Asian, Black, and persons in the other race category is less than 5.

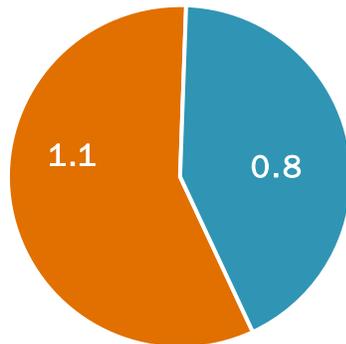
Vermonters 80 years and older have higher rates of COVID-19 death than other age groups.

Rate per 10,000 Vermonters

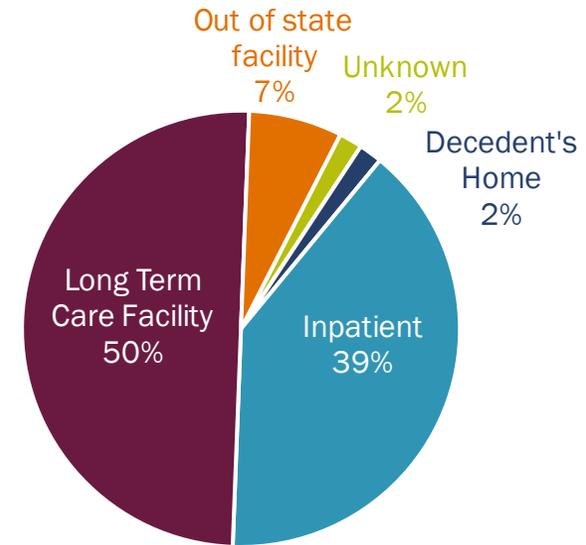


Males and females have similar rates of COVID-19 death.

Rate per 10,000 Vermonters

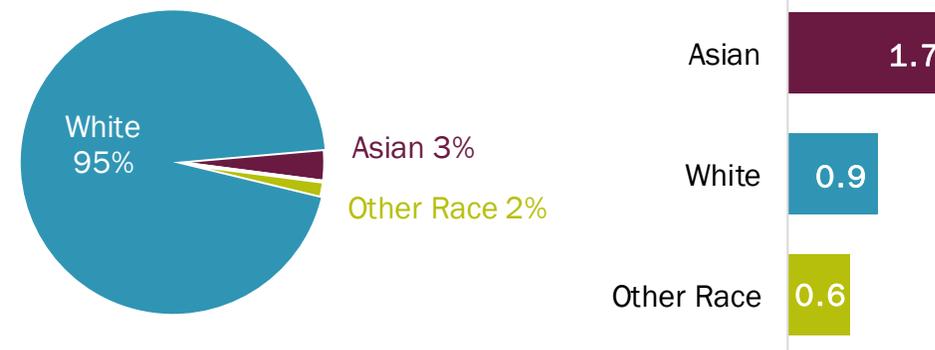


Most COVID-19 deaths occurred in an **inpatient hospital setting** or a **long-term care facility**.



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.

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

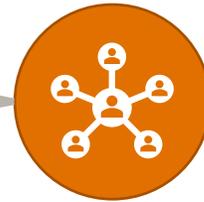
3 or more COVID-19 cases involving more than one family or household where the cases:

- have an illness start date or positive test 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.

Educational Settings

2 or more COVID-19 cases among students or teachers/staff with known connections in the educational setting, where the cases are connected by:

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



Congregate Care or Living Settings*

One resident or staff member with COVID-19, and one or more residents or staff with whom they had contact with respiratory illness.

or

Two or more facility residents and/or staff with an illness start date or positive test within 14 days.

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

Workplaces

2 or more COVID-19 cases among employees at the same workplace, where the cases are connected by:

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



29% of COVID-19 cases are associated with an outbreak

Congregate Care & Living



159 cases among residents



81 cases among facility staff

Workplace



37 cases among employees

Community/Other



153 cases



Outbreaks

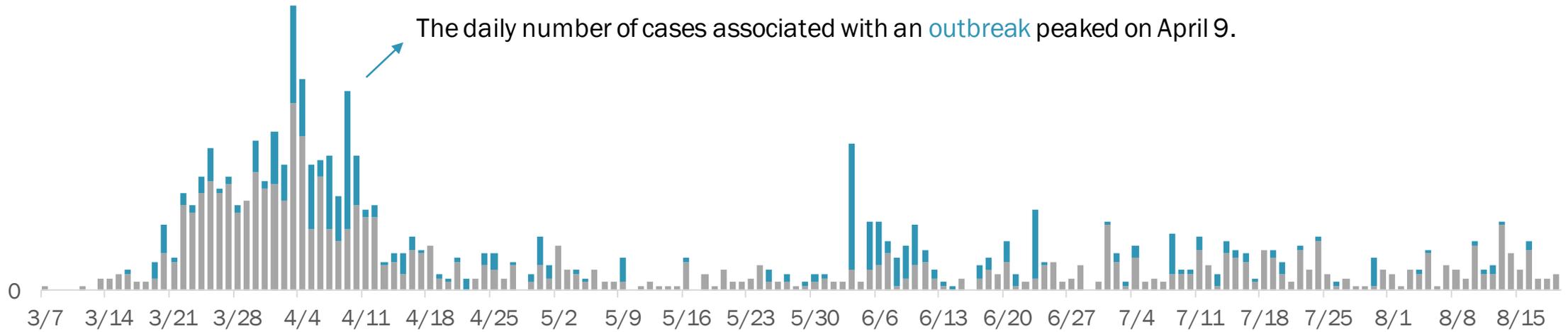
6 Active

18 Resolved*

*Resolved outbreaks are those where it has been >28 days since the last known case of COVID-19.

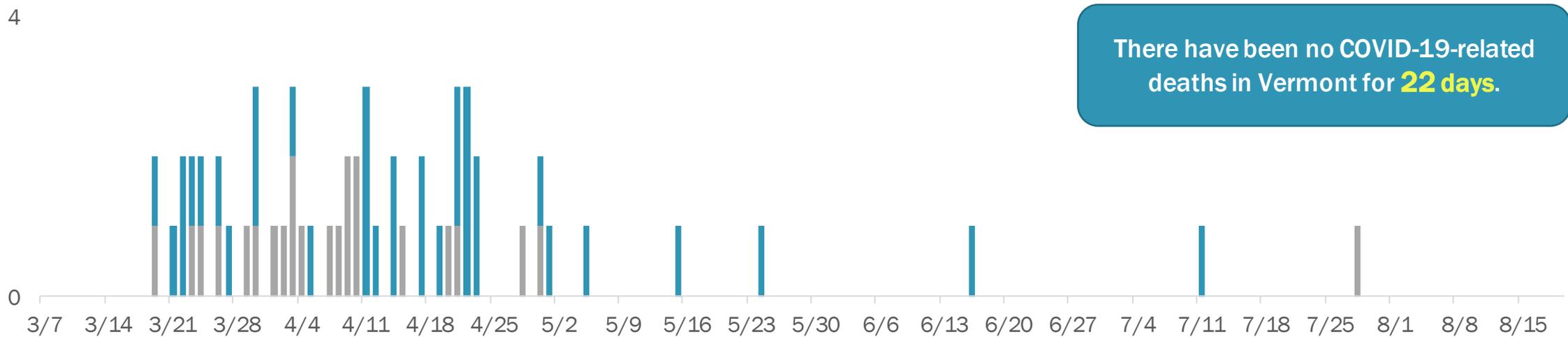
Vermont COVID-19 Cases Associated with an Outbreak Over Time

90



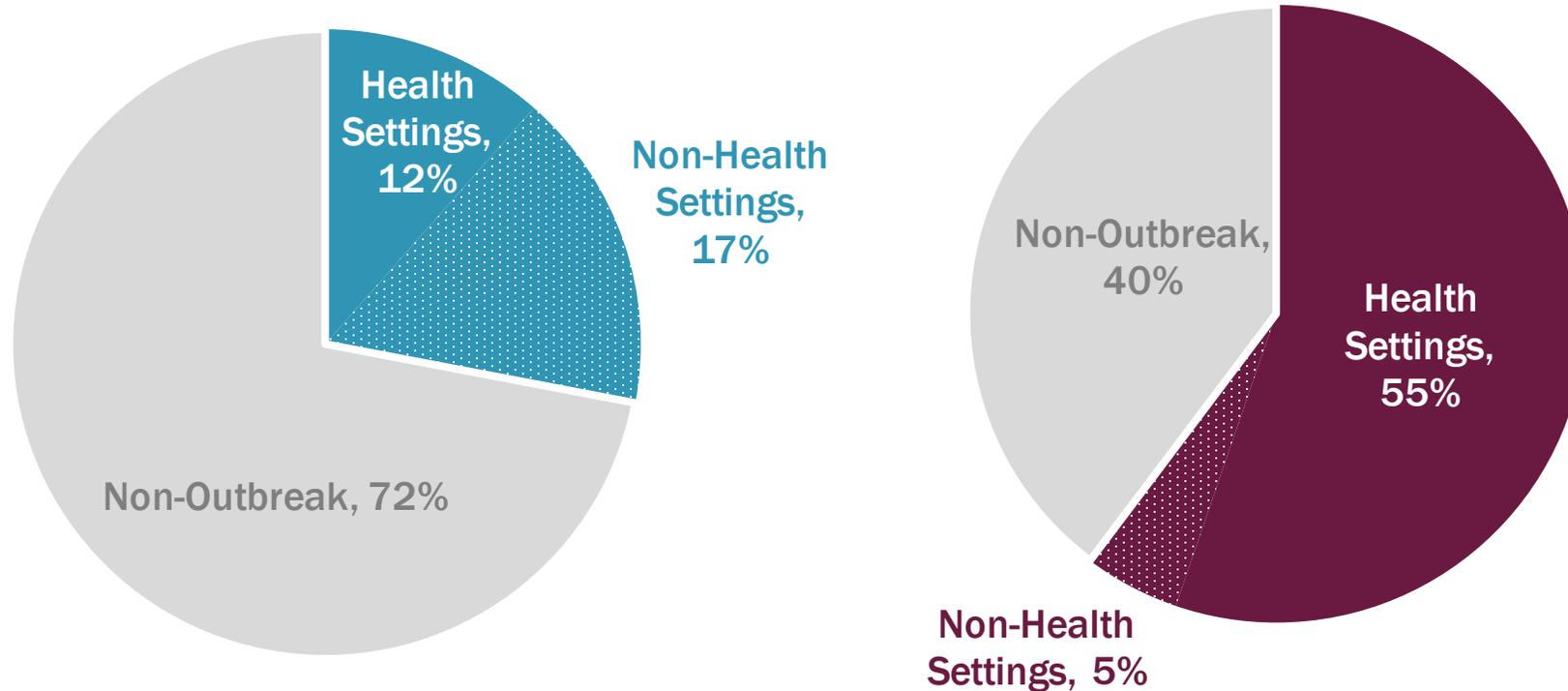
Vermont COVID-19 Deaths Associated with an Outbreak Over Time

4



Source: Vermont Department of Health
Reflects confirmed data as of 8/19/2020.

While only 29% of all COVID-19 cases are associated with outbreaks, more than half 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.

Source: Vermont Department of Health
Reflects confirmed data as of 8/19/2020.

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.

The percentage of **females** and **males** with COVID-19 that are associated with an outbreak is about even.

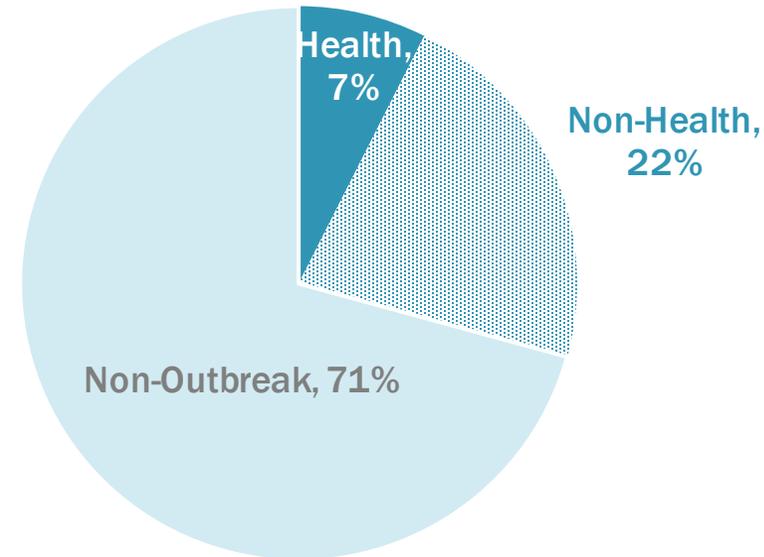
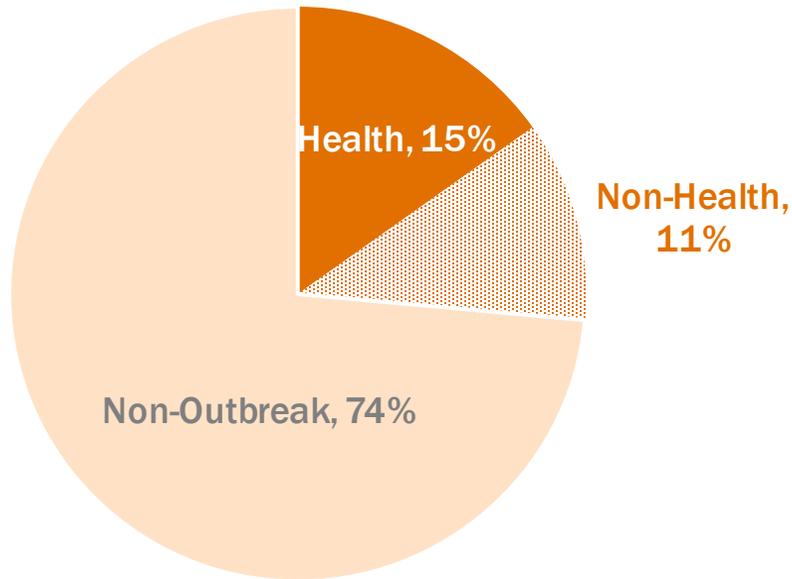


26% of **females** with COVID-19 are associated with an outbreak.



29% of **males** with COVID-19 are associated with an outbreak.

But in outbreak settings, **females with COVID-19 are more likely to be associated with a health setting than non-health settings.**

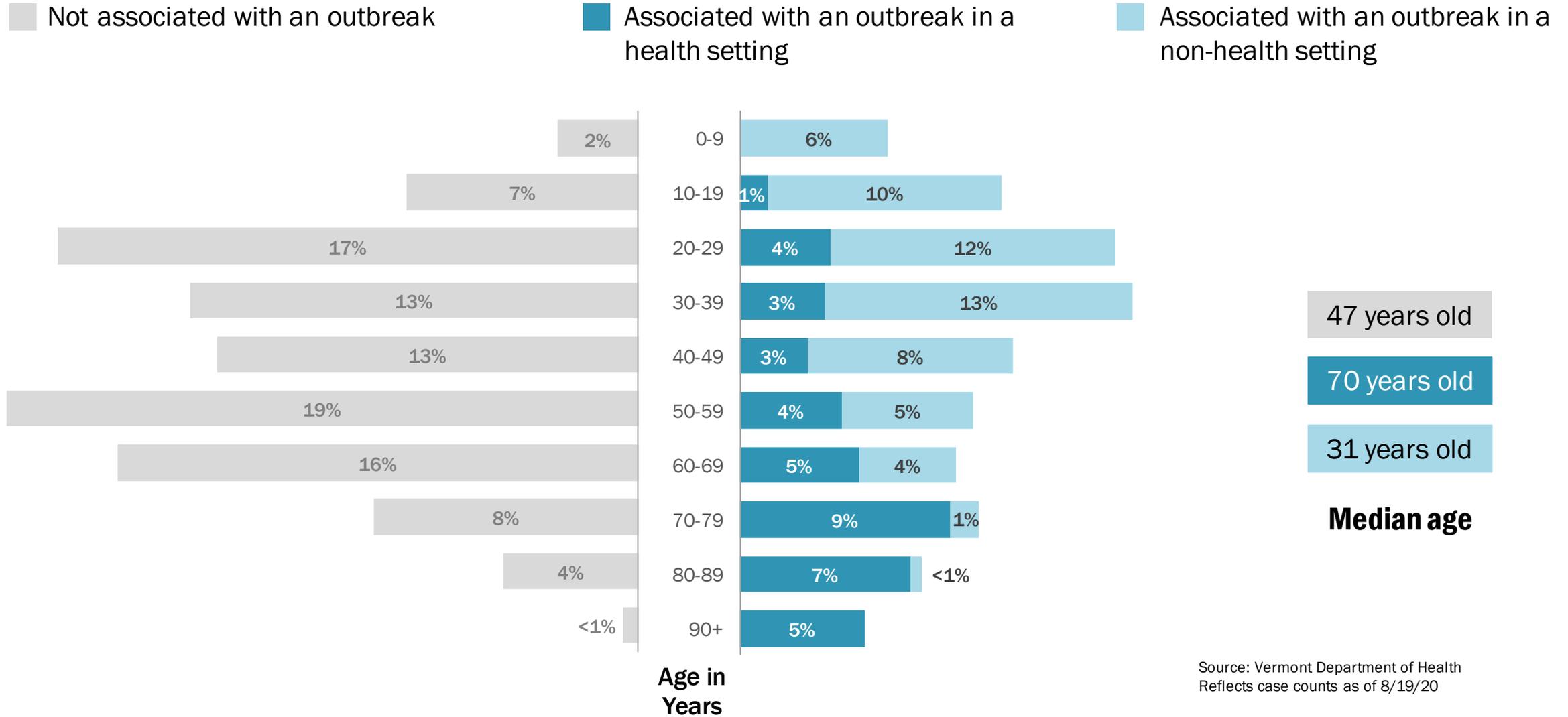


Values in these charts are rounded to the nearest whole number and therefore may not always add to 100% due to error introduced in rounding. Percentages by outbreak type are rounded to the whole number, but combined totals take into account the full percentages.

Source: Vermont Department of Health
Reflects case counts as of 8/19/20

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.

Percent of Cases by Outbreak Status and Age



Source: Vermont Department of Health
Reflects case counts as of 8/19/20

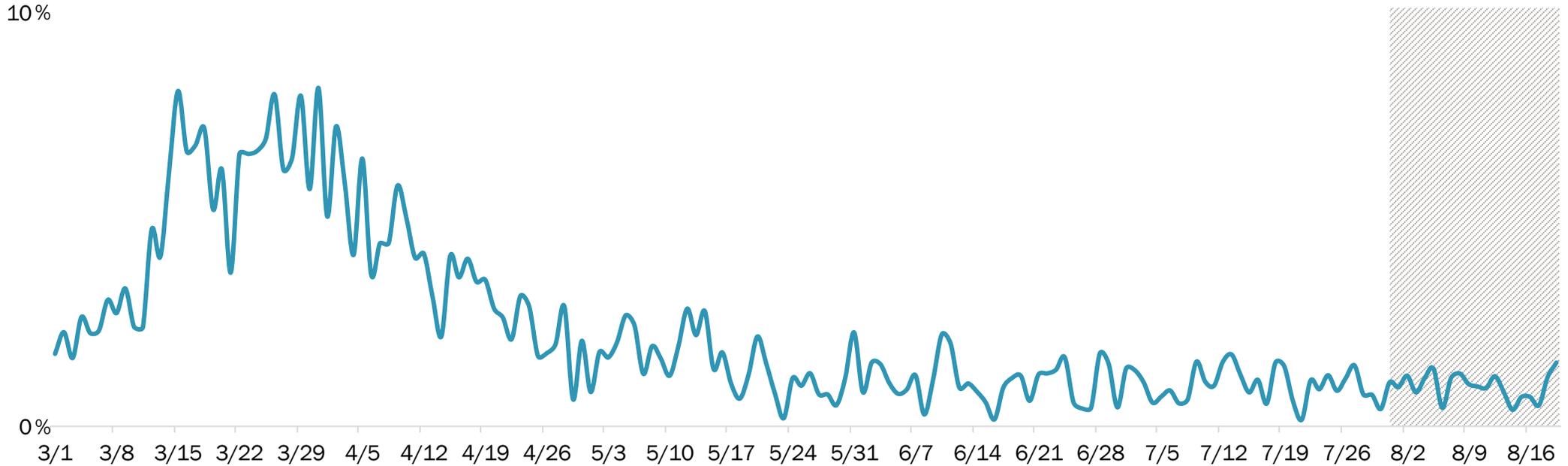
Note: Examples of a health setting include long-term care or assisted living facilities, therapeutic treatment centers, and behavioral health institutions. Examples of a non-health setting include correctional facilities, senior housing communities, businesses, and homeless shelters. Vermont has not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

Syndromic Surveillance

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

The percent of emergent care visits for COVID-19-like illness remains steady.

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.

*Please note: the query used to identify COVID-19-like illness in syndromic surveillance data changed on 5/28. This was to be consistent with the most up-to-date national definition provided by the CDC.

Weekly Spotlight: County Profiles Testing Data

This section focuses on county-specific demographics among Vermont residents tested for COVID-19.

What are the demographics of Vermonters who have been tested for COVID-19?

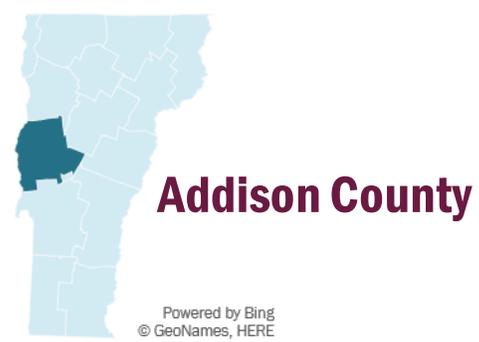
This spotlight includes Vermonters who were tested for active COVID-19 infection in Vermont from March 3 – August 9.

Please note that race and ethnicity was not required to be reported on lab reports until August 1. The Health Department continues to work on improving data quality.

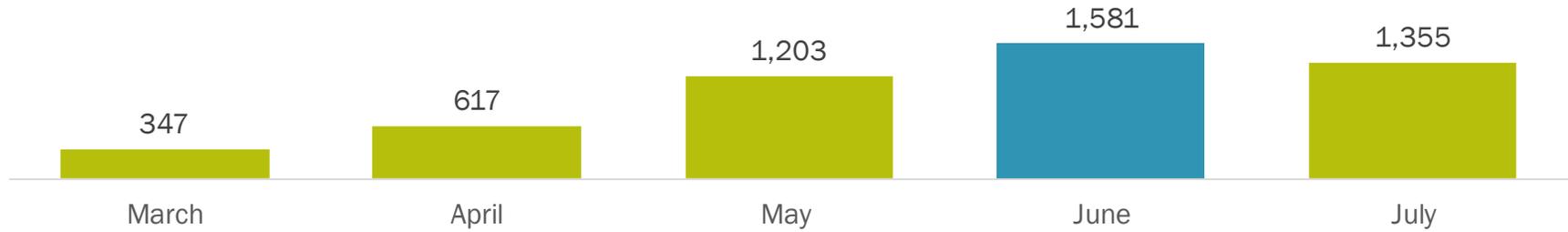
As of August 9, 2020: **92,819 Vermonters tested**

Demographic	The percent of Vermonters tested that have complete data
Age	100%
Sex	95%
Race	56%
Ethnicity	52%

Source: Vermont Department of Health. 2020
Reflects laboratory data as of 8/9/2020.

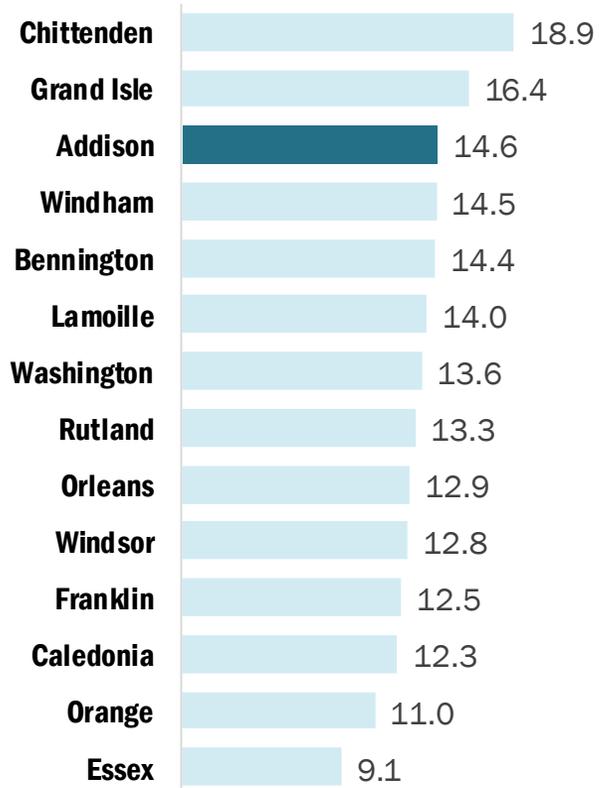


The number of Addison County residents tested for COVID-19 was highest in **June**.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters



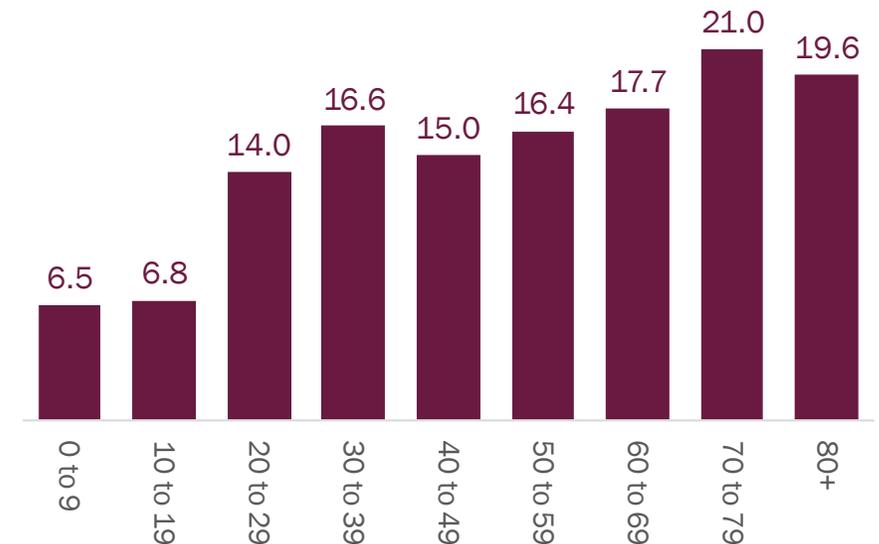
Vermont Department of Health

97% of people tested are white

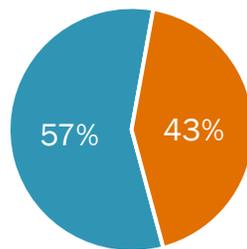
98% of people tested are non-Hispanic

Rates of COVID-19 testing among Addison County residents vary by age group.

Rate per 100 Addison County residents



More **females** get tested for COVID-19 than **males** in Addison County.





Bennington County

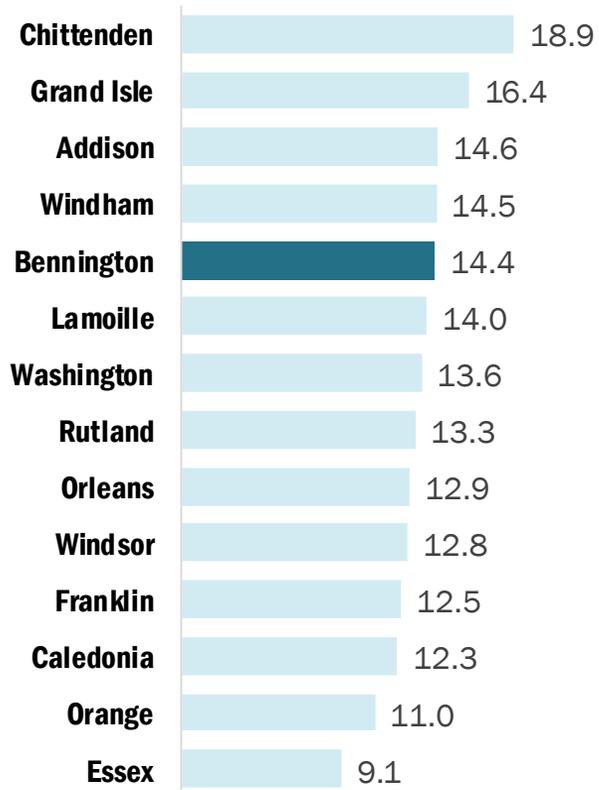
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The number of Bennington County residents tested for COVID-19 was highest in **July**.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters



Vermont Department of Health

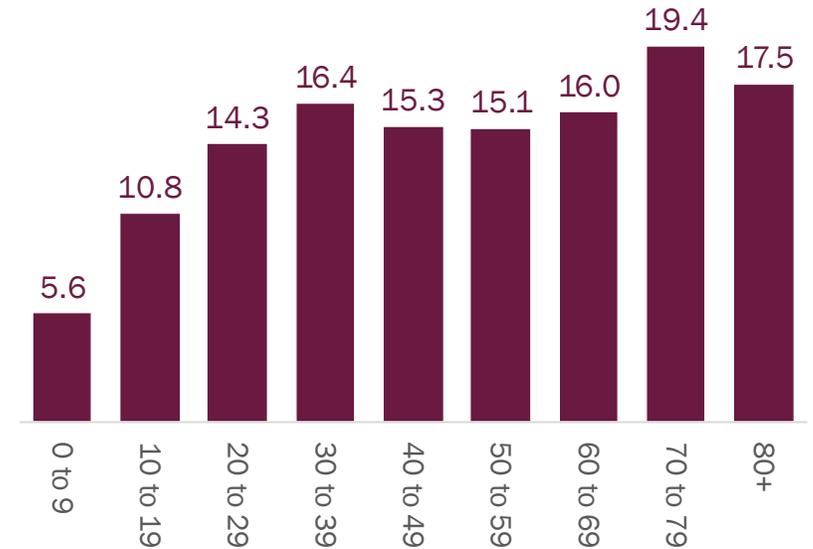
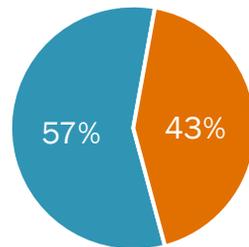
98% of people tested are white

97% of people tested are non-Hispanic

Rates of COVID-19 testing among Bennington County residents vary by age group.

Rate per 100 Bennington County residents

More **females** get tested for COVID-19 than **males** in Bennington County.



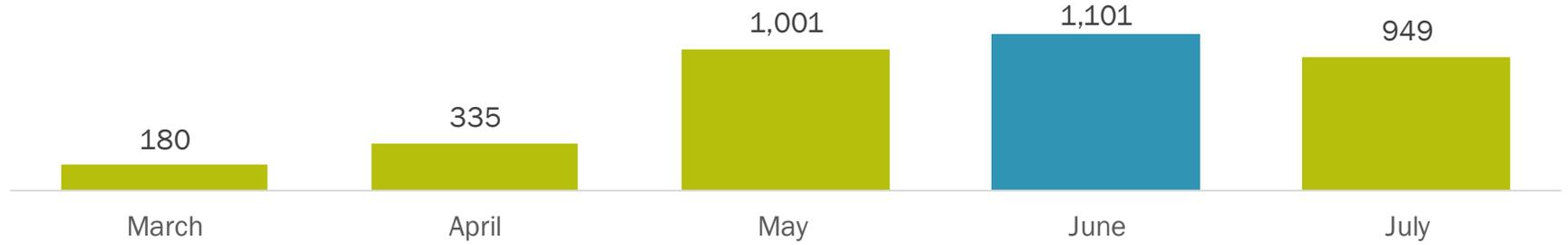
31



Caledonia County

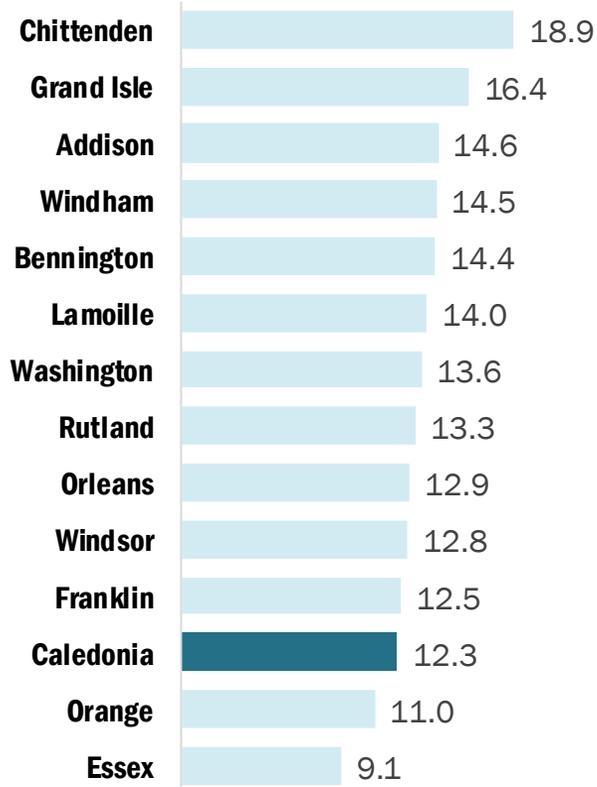
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The number of Caledonia County residents tested for COVID-19 was highest in **June**.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters

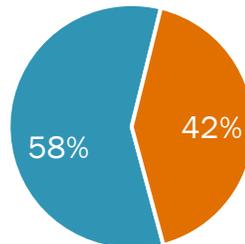


Vermont Department of Health

97% of people tested are white

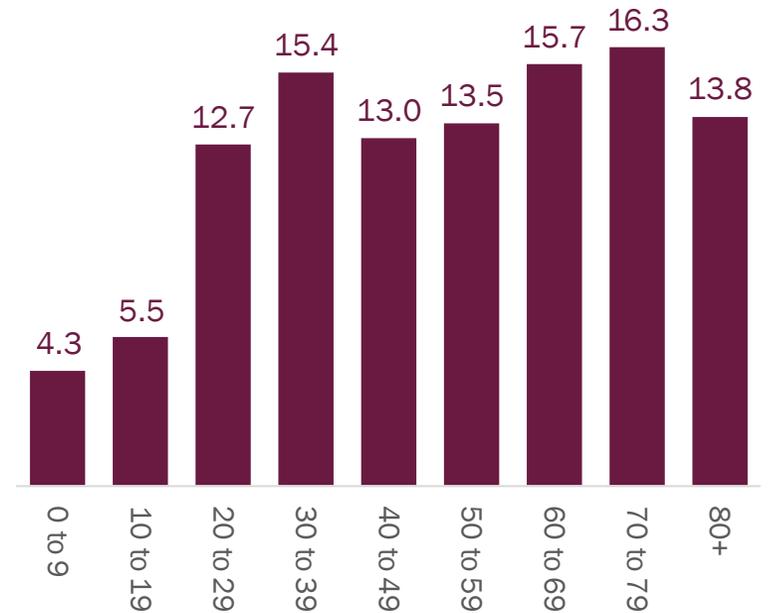
99% of people tested are non-Hispanic

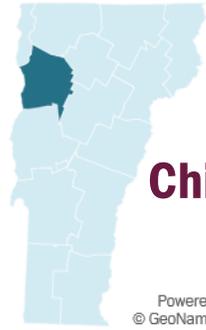
More **females** get tested for COVID-19 than **males** in Caledonia County.



Rates of COVID-19 testing among Caledonia County residents vary by age group.

Rate per 100 Caledonia County residents

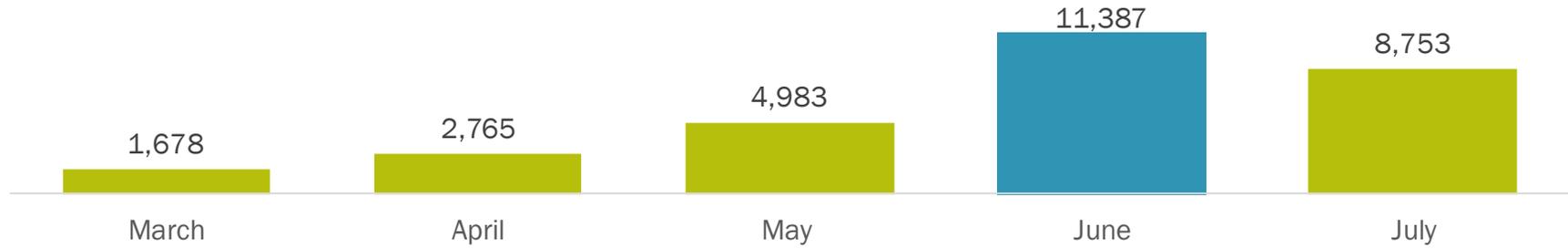




Chittenden County

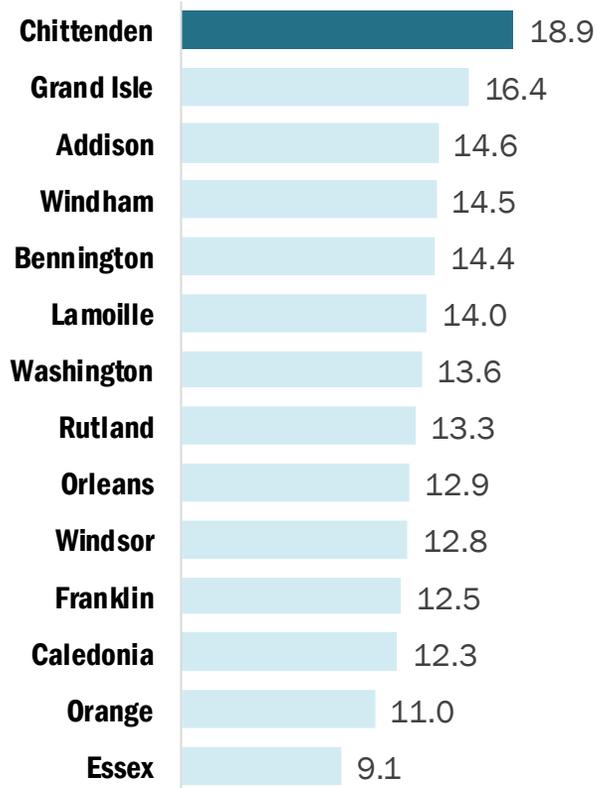
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The number of Chittenden County residents tested for COVID-19 was highest in **June**.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters

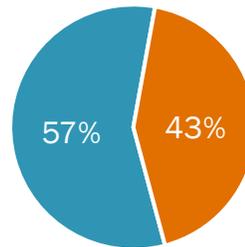


Vermont Department of Health

89% of people tested are white

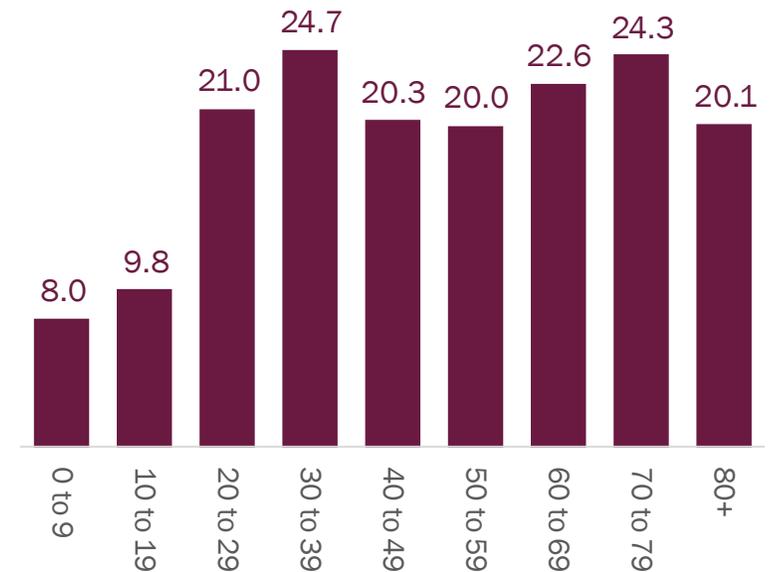
98% of people tested are non-Hispanic

More **females** get tested for COVID-19 than **males** in Chittenden County.



Rates of COVID-19 testing among Chittenden County residents vary by age group.

Rate per 100 Chittenden County residents





Essex County

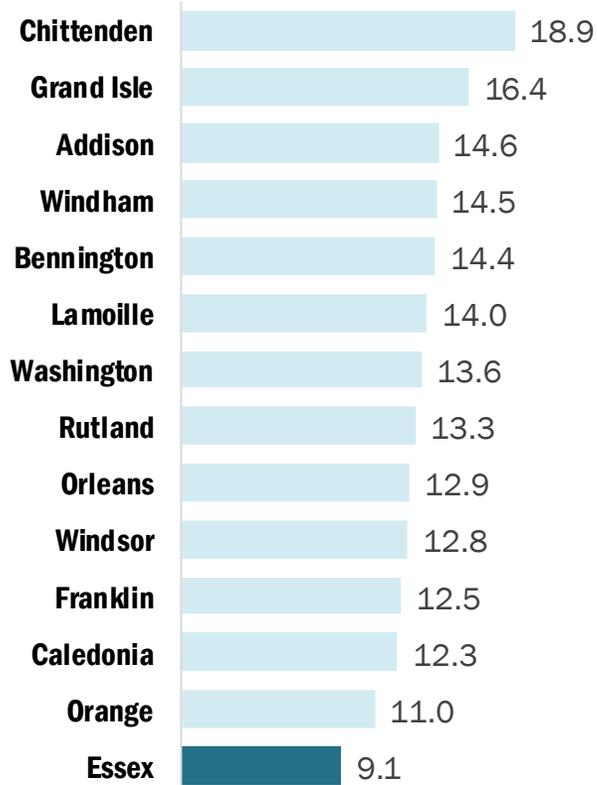
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The number of Essex County residents tested for COVID-19 was highest in **June**.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters



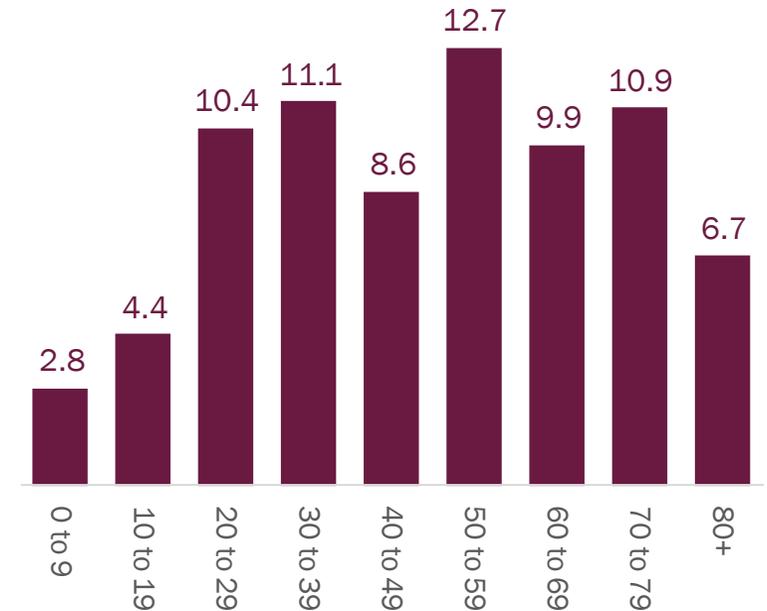
Vermont Department of Health

99% of people tested are white

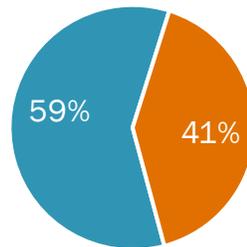
98% of people tested are non-Hispanic

Rates of COVID-19 testing among Essex County residents vary by age group.

Rate per 100 Essex County residents



More **females** get tested for COVID-19 than **males** in Essex County.





Franklin County

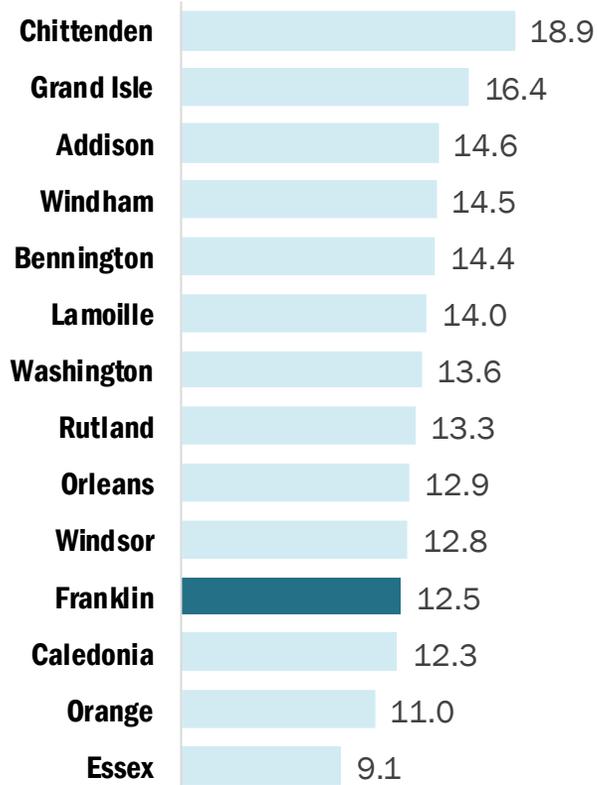
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The number of Franklin County residents tested for COVID-19 was highest in July.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters



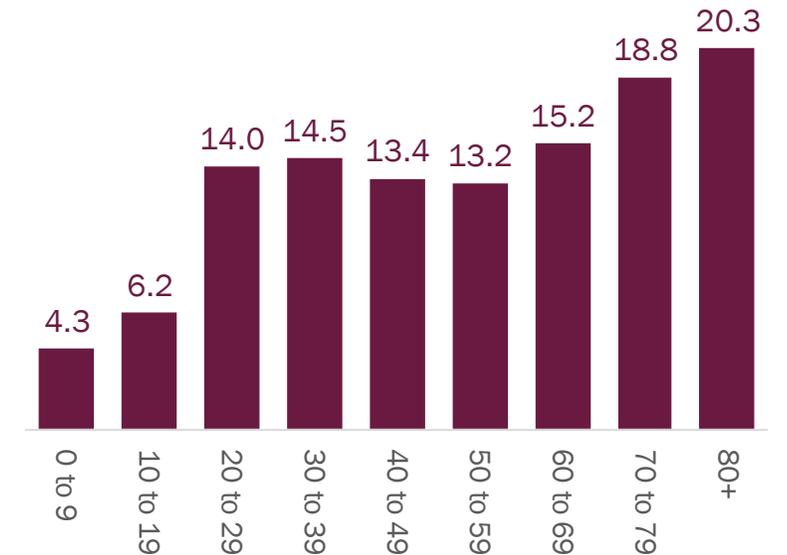
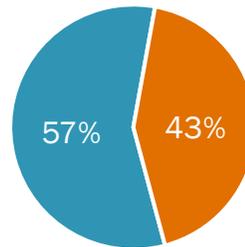
97% of people tested are white

99% of people tested are non-Hispanic

Rates of COVID-19 testing among Franklin County residents increases by age group.

Rate per 100 Franklin County residents

More females get tested for COVID-19 than males in Franklin County.

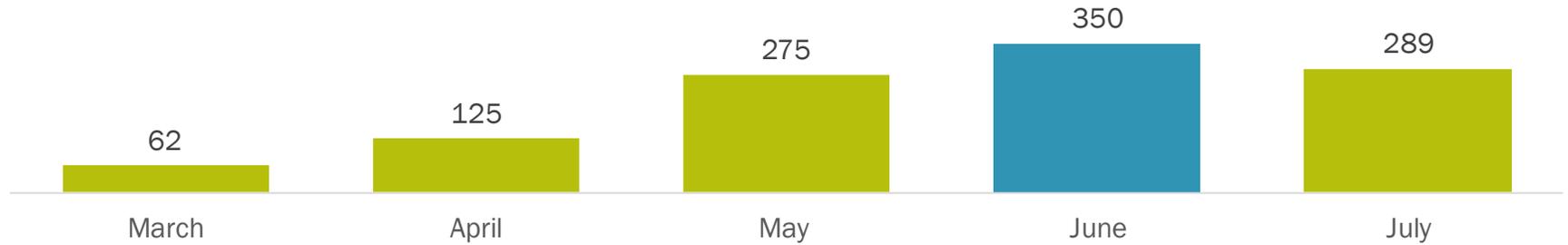




Grand Isle County

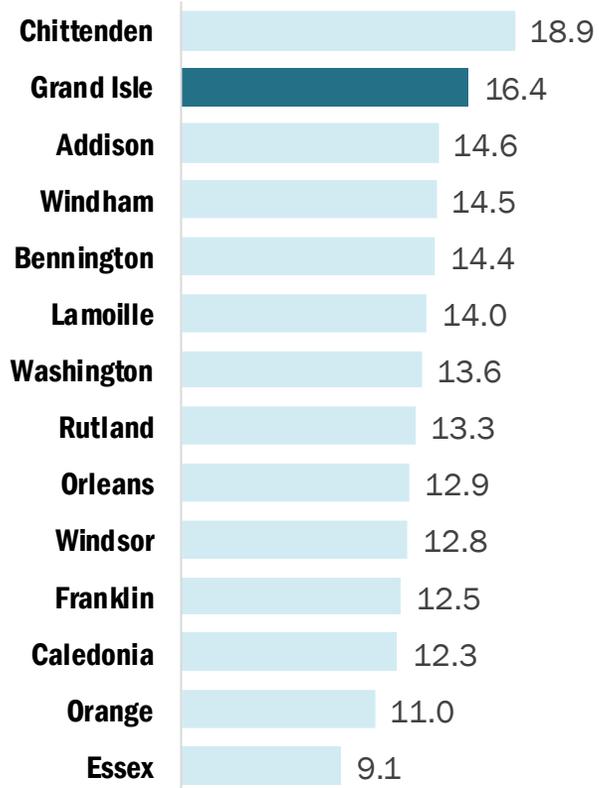
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The number of Grand Isle County residents tested for COVID-19 was highest in **June**.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters

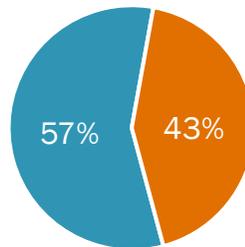


Vermont Department of Health

98% of people tested are white

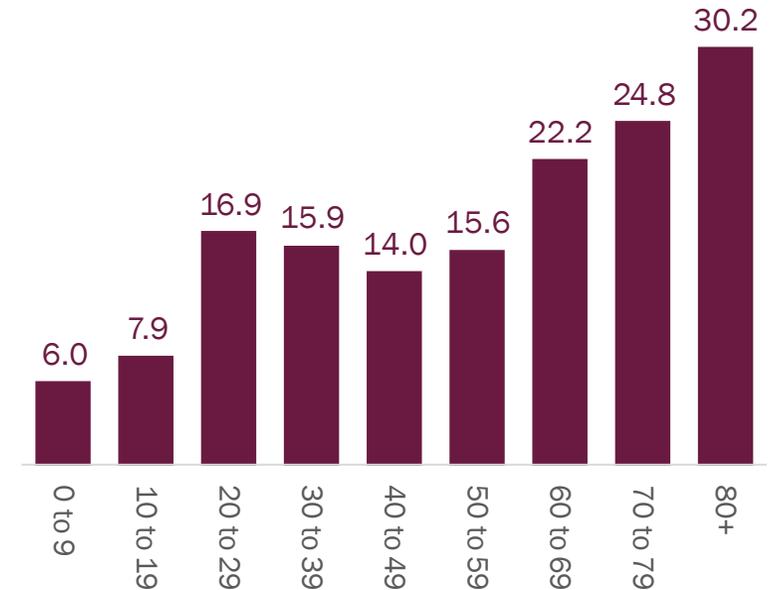
99% of people tested are non-Hispanic

More **females** get tested for COVID-19 than **males** in Grand Isle County.

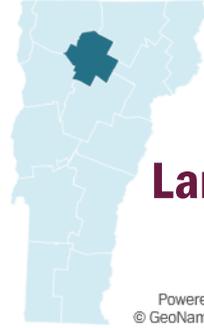


Rates of COVID-19 testing among Grand Isle residents increases by age group.

Rate per 100 Grand Isle County residents



36



Lamoille County

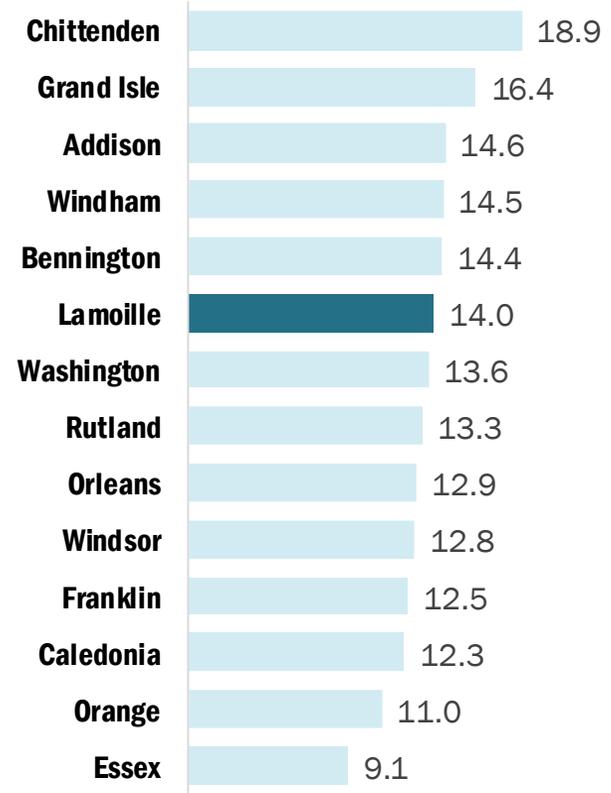
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The number of Lamoille County residents tested for COVID-19 was highest in **June**.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters

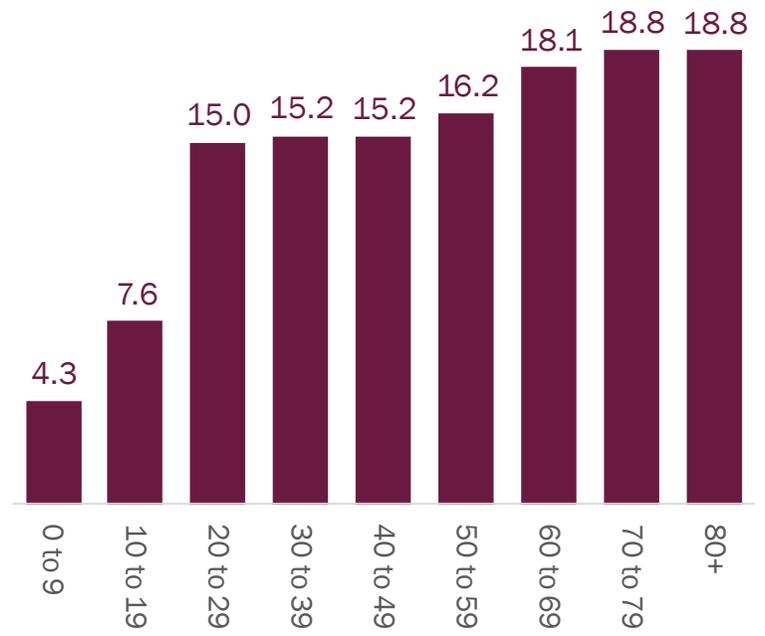


98% of people tested are white

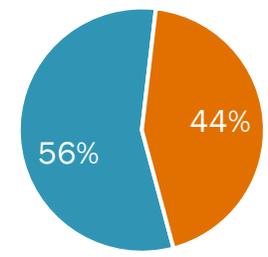
97% of people tested are non-Hispanic

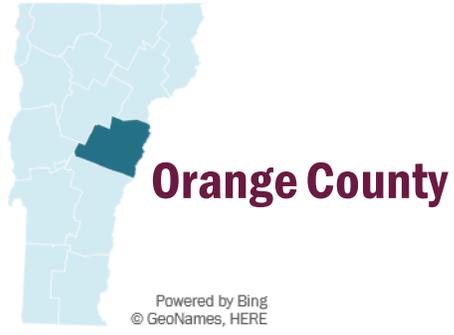
Rates of COVID-19 testing among Lamoille County residents increases by age group.

Rate per 100 Lamoille County residents



More **females** get tested for COVID-19 than **males** in Lamoille County.



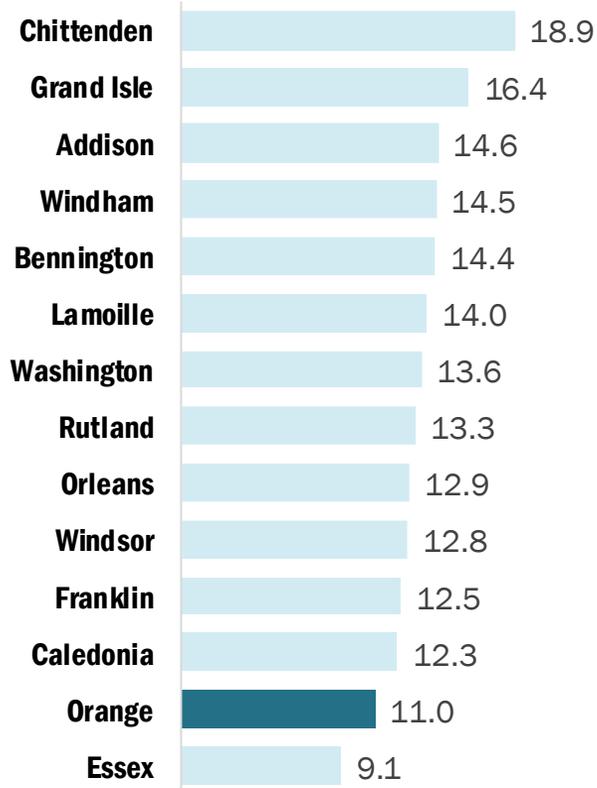


The number of Orange County residents tested for COVID-19 was highest in July.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters

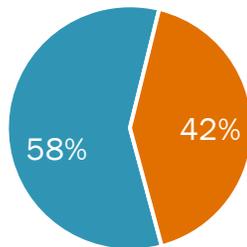


Vermont Department of Health

99% of people tested are white

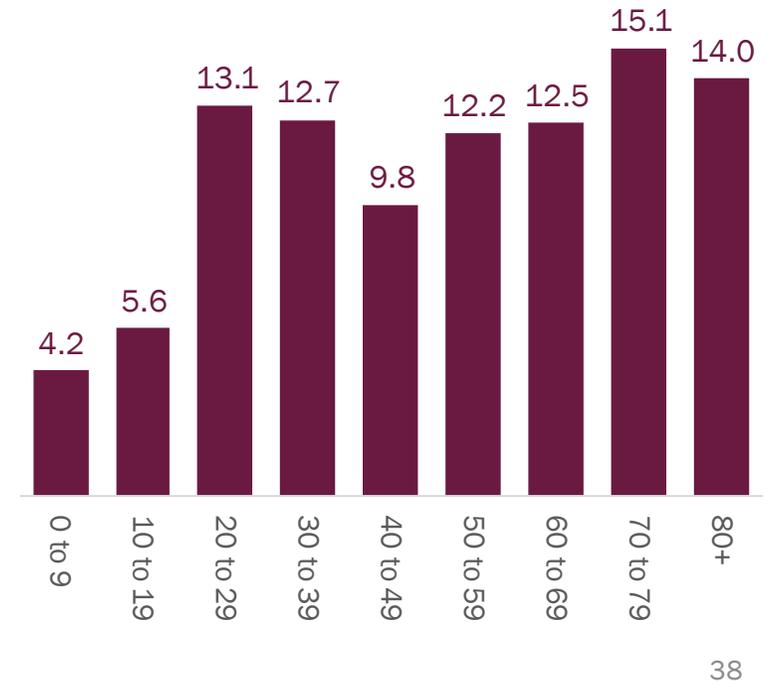
99% of people tested are non-Hispanic

More females get tested for COVID-19 than males in Orange County.



Rates of COVID-19 testing among Orange County residents varies by age group.

Rate per 100 Orange County residents

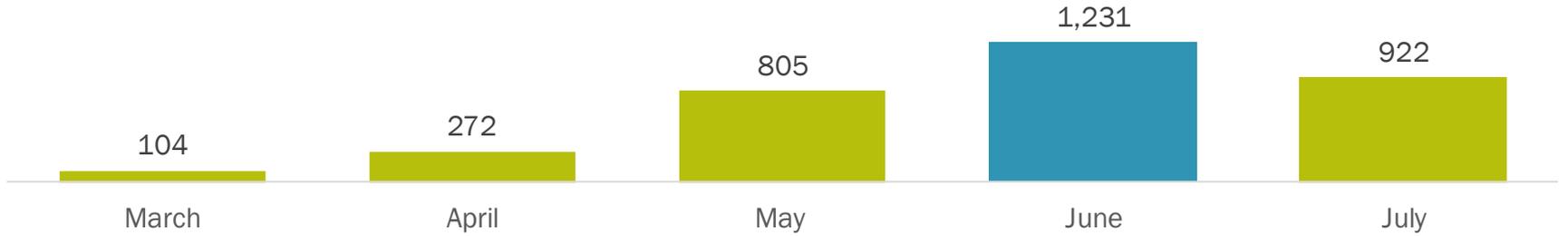




Orleans County

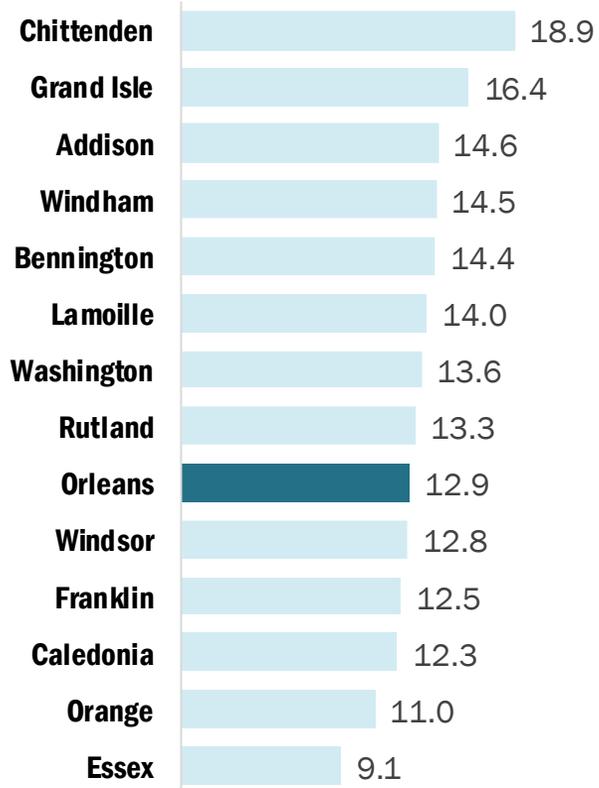
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The number of Orleans County residents tested for COVID-19 was highest in **June**.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters

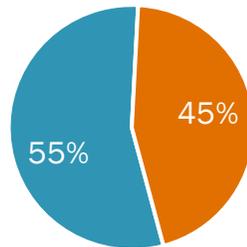


Vermont Department of Health

97% of people tested are white

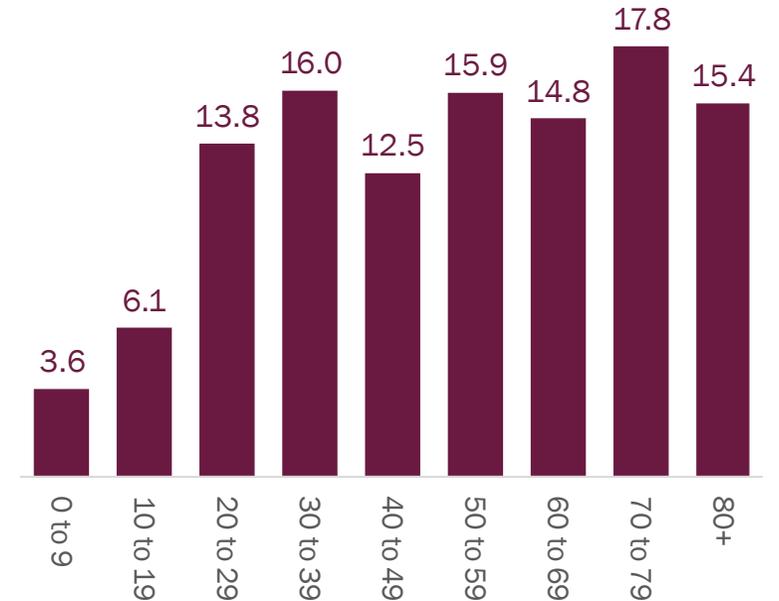
99% of people tested are non-Hispanic

More **females** get tested for COVID-19 than **males** in Orleans County.



Rates of COVID-19 testing among Orleans County residents varies by age group.

Rate per 100 Orleans County residents



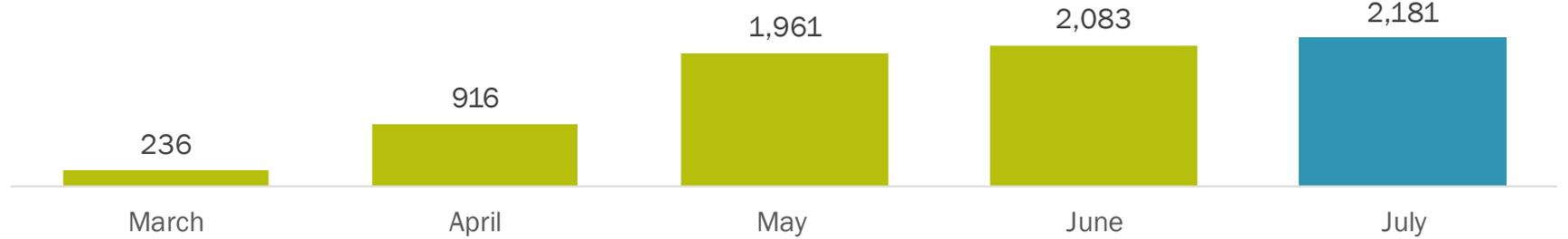
39



Rutland County

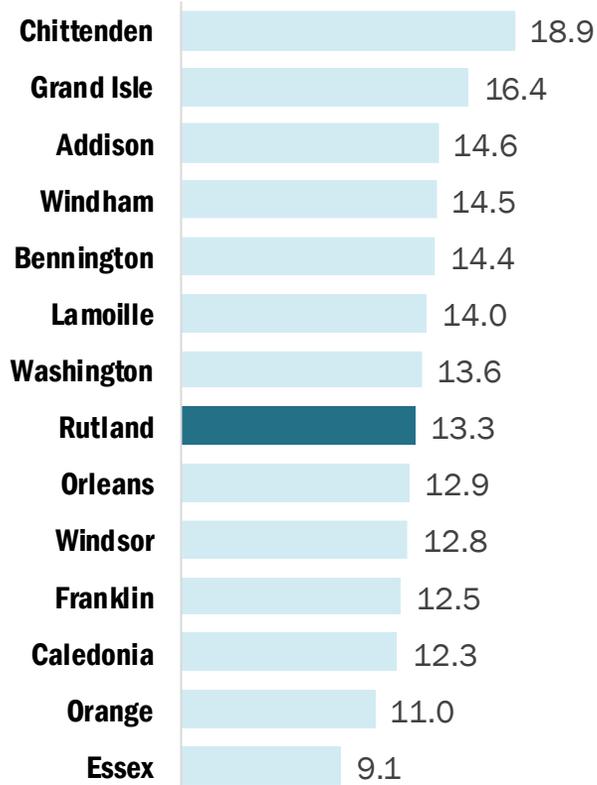
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The number of Rutland County residents tested for COVID-19 was highest in July.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters



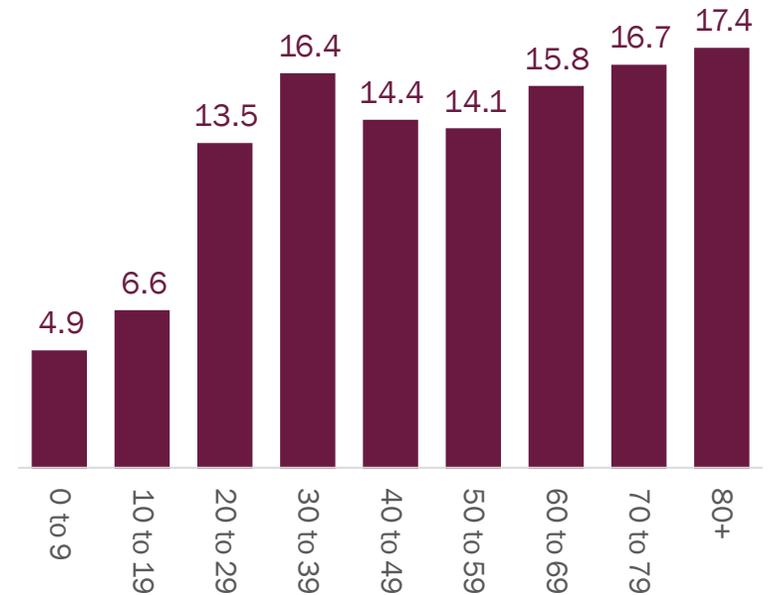
Vermont Department of Health

98% of people tested are white

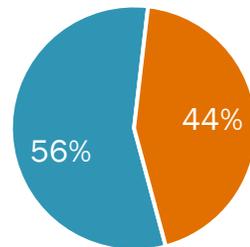
99% of people tested are non-Hispanic

Rates of COVID-19 testing among Rutland County residents varies by age group.

Rate per 100 Rutland County residents



More females get tested for COVID-19 than males in Rutland County.

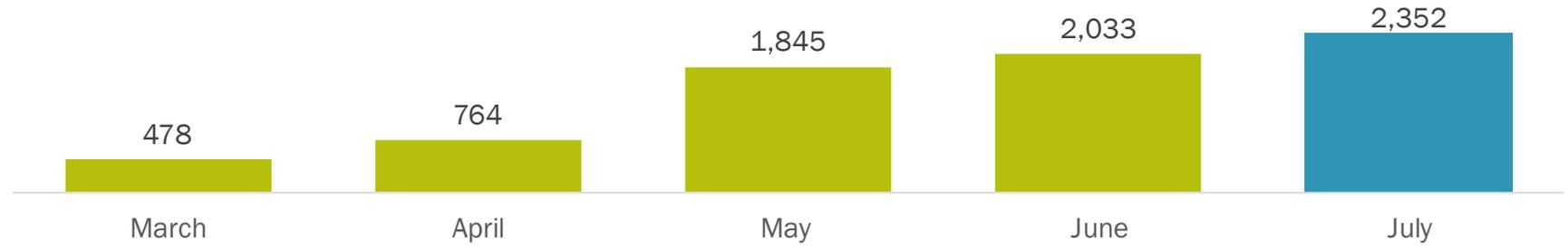




Washington County

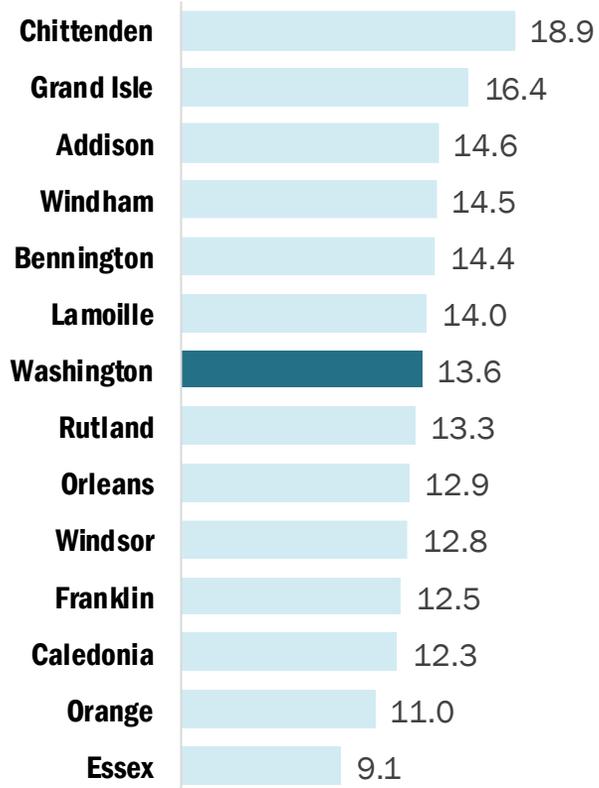
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The number of Washington County residents tested for COVID-19 was highest in **July**.



Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters



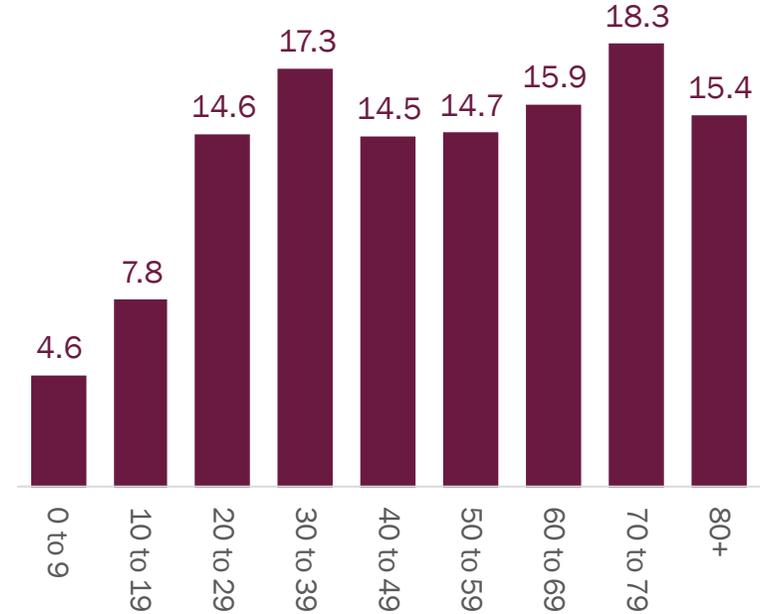
Vermont Department of Health

98% of people tested are white

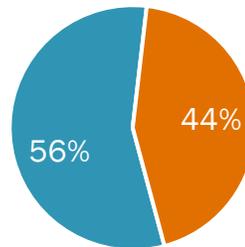
98% of people tested are non-Hispanic

Rates of COVID-19 testing among Washington County residents varies by age group

Rate per 100 Washington County residents



More **females** get tested for COVID-19 than **males** in Washington County.



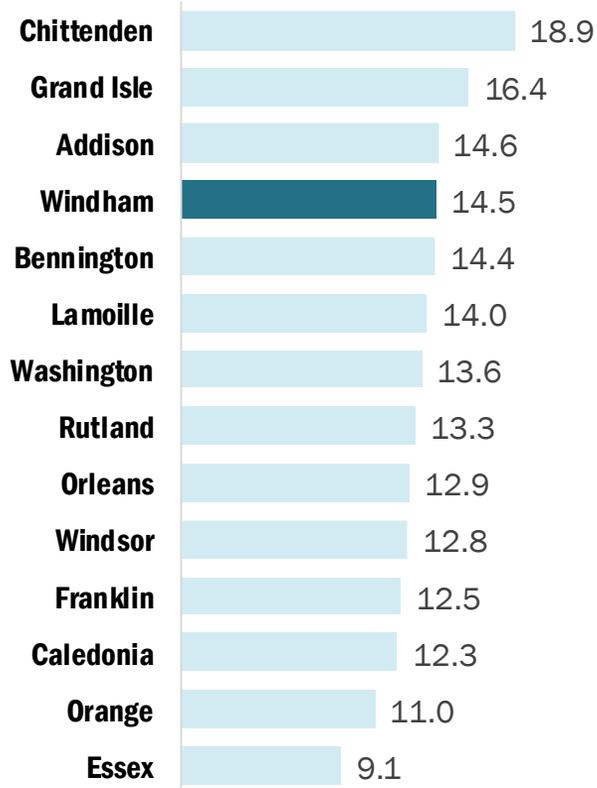


Windham County

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Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters



Vermont Department of Health

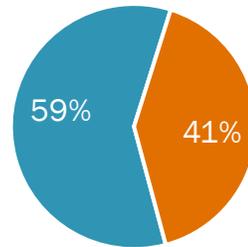
The number of Windham County residents tested for COVID-19 was highest in July.



97% of people tested are white

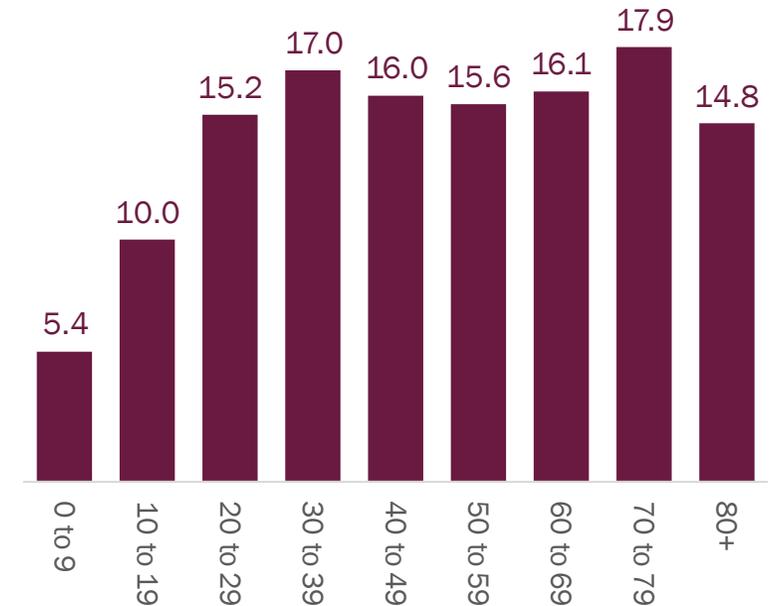
98% of people tested are non-Hispanic

More females get tested for COVID-19 than males in Windham County.



Rates of COVID-19 testing among Windham County residents varies by age group

Rate per 100 Windham County residents



42

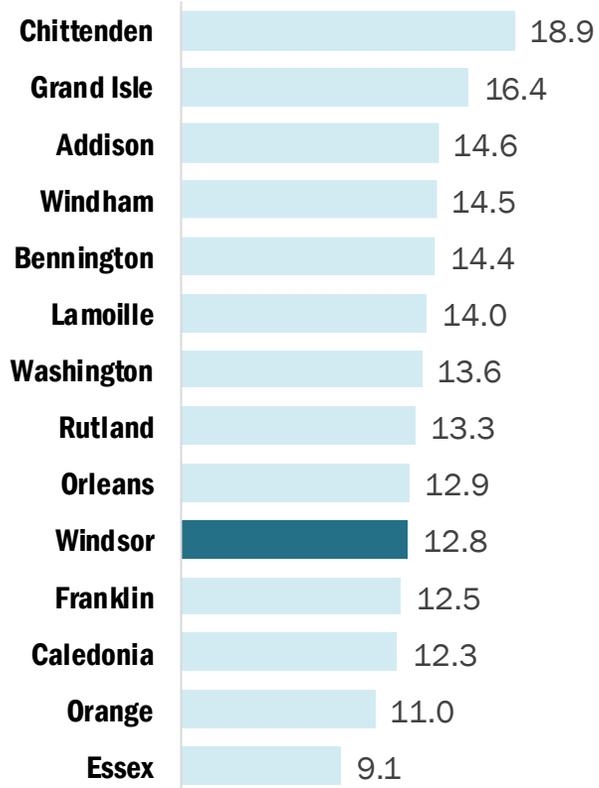


Windsor County

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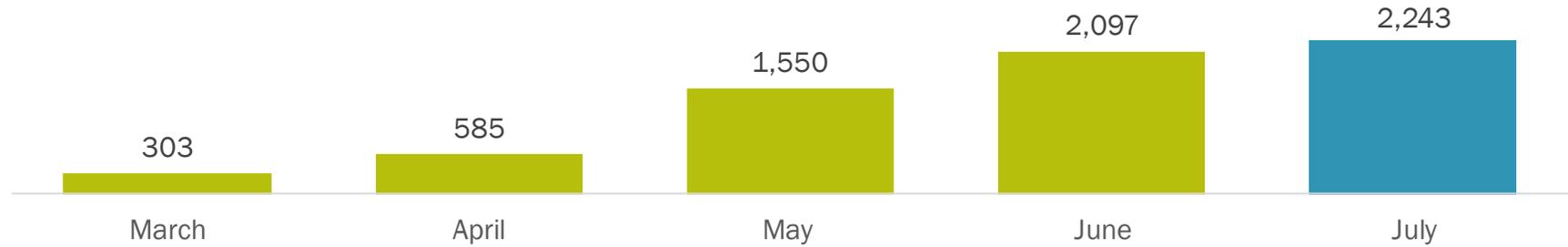
Rate of COVID-19 Testing among Vermonters

Rate per 100 Vermonters



Vermont Department of Health

The number of Windsor County residents tested for COVID-19 was highest in July.

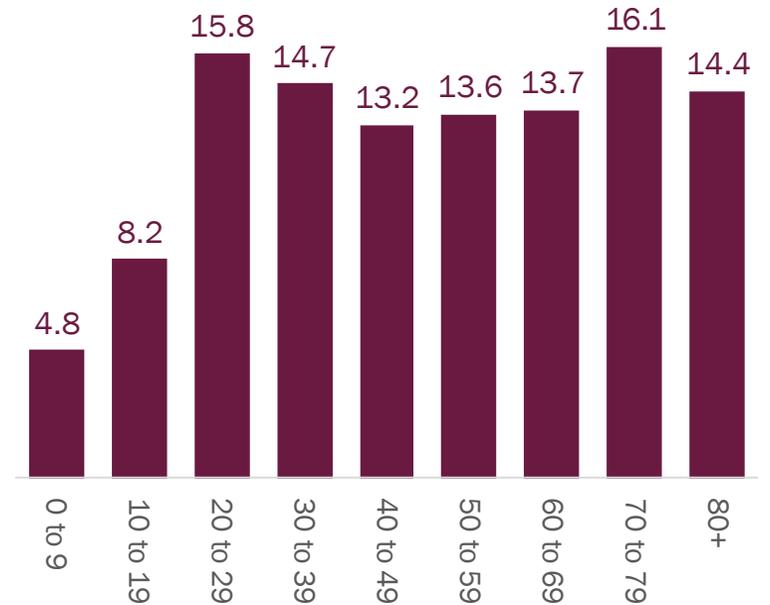


98% of people tested are white

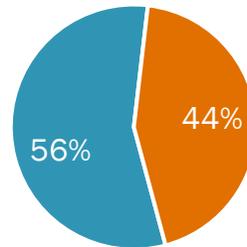
98% of people tested are non-Hispanic

Rates of COVID-19 testing among Windsor County residents varies by age group.

Rate per 100 Windsor County residents



More females get tested for COVID-19 than males in Windsor County.





Learn more about COVID-19 in Vermont:

Web: www.healthvermont.gov/COVID-19

Email: AHS.VDHPublicCommunication@vermont.gov