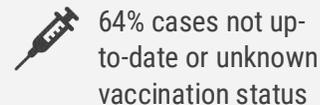
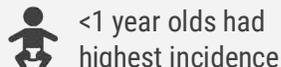
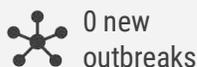


# Varicella Surveillance

## July 2020

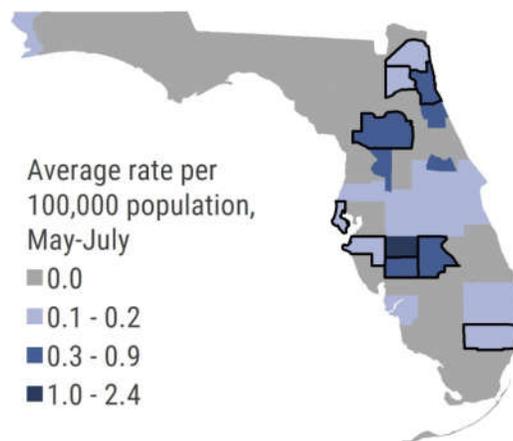
### July Key Points



**The number of varicella cases reported in July decreased from the previous month and remained below the previous 5-year average.** Due to robust vaccination programs, there is no longer discernable seasonality for varicella cases in the United States. ▼

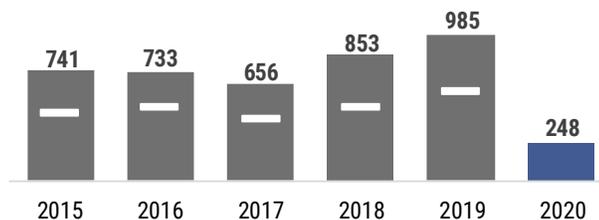


The 11 varicella cases in July were reported among the **9 counties outlined in black**. From May 2020 through July 2020 the average county rate varied throughout the state. ▼



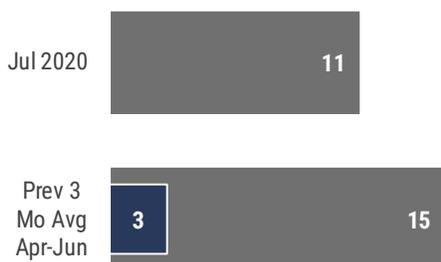
**From January 1, 2020 through July 31, 2020, 248 varicella cases were reported in 43 counties.** ▶

The annual number of reported varicella cases decreased from 2015 to 2017. In 2020, case counts are lower than those seen in previous years at this time, as indicated by the white bars in the graph.



**In July, no varicella cases were transmitted within households or outbreak-associated.** For most varicella cases, exposure to other known cases is never identified, and they are not able to be linked to outbreaks.

	Household-associated	Outbreak-associated	Total cases
Jul 2020	0	11	11
Prev 3 Mo Avg Apr-Jun	3	15	18



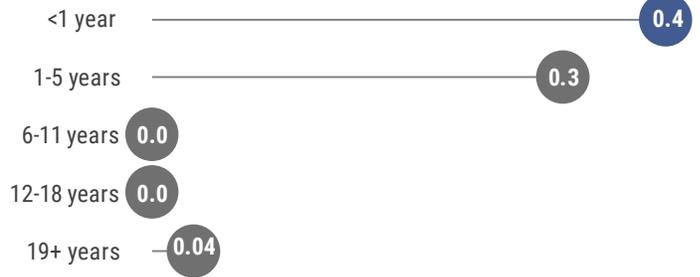
**No varicella outbreaks were reported in July.**

The COVID-19 pandemic is affecting health care seeking behavior, which may be impacting the diagnosis and reporting of varicella cases that are shown in this report. For more information on the COVID-19 pandemic in Florida, please visit [FloridaHealthCOVID-19.gov](https://www.floridahealth.gov/covid-19).

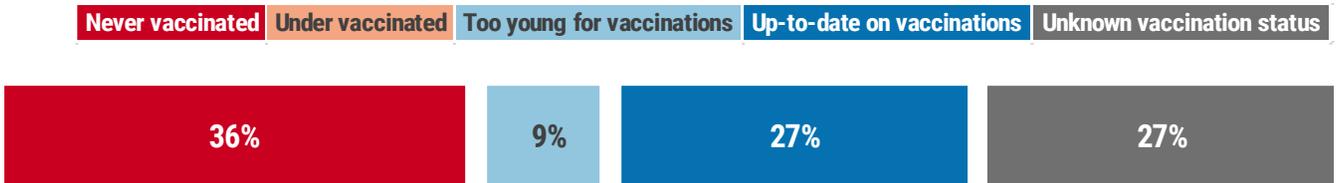




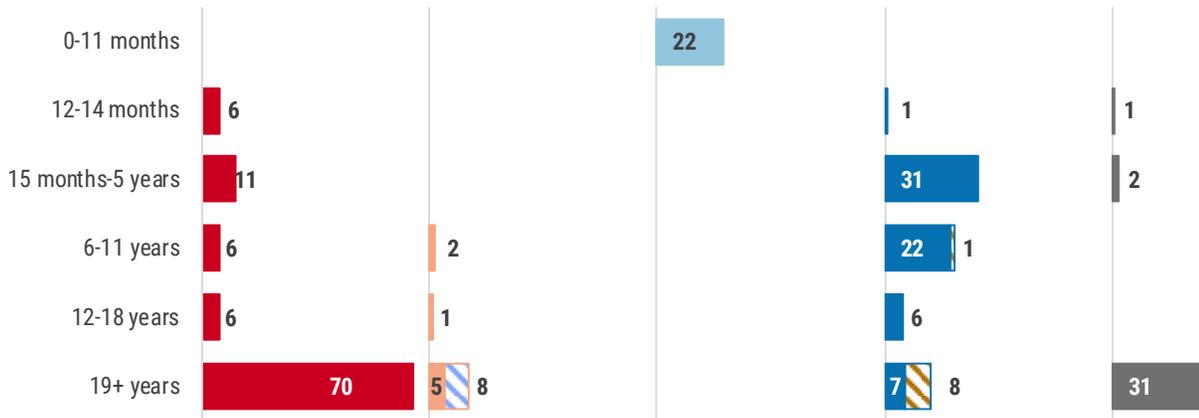
**In July, the varicella rate was highest among infants <1 year old at 0.4 cases per 100,000 population,** which is consistent with previous months. Infants <1 year old are too young to receive varicella vaccination, which is why vaccination of siblings, parents, grandparents, and other age groups is so important to help prevent infection in infants.



**Vaccination is the best way to prevent varicella infections.** In July, over half of individuals reported with varicella had not received the recommended number of varicella vaccinations for their age or had unknown vaccination status. Self-reported vaccination status that could not be verified is shown with a diagonal pattern. Vaccination against varicella is important for infants, children, teenagers, and adults. See the last page of this report for links to the Center for Disease Control and Prevention (CDC) recommended vaccination schedules.



In 2020, the majority of adults aged 19 years and older with varicella were not up-to-date on their varicella vaccinations or had unknown vaccination status. Although individuals who have been vaccinated can still get varicella, **complete and timely vaccination remains the best way to prevent varicella and severe complications.** Self-reported vaccination status that could not be verified is shown with a diagonal pattern.



**National activity**

Varicella incidence decreased significantly following the vaccine becoming available in 1995 and has continued to decrease since 2006 when recommendations changed from 1 to 2 doses of varicella vaccine. From 2006 to 2015, all age groups had a substantial decrease in incidence with the largest decline in children aged 5 to 14 years. Although varicella is not reported to the CDC by all states, based on available data, the number of varicella cases nationally has steadily decreased each year from 2012 to 2015.

**Varicella surveillance goals**

- Identify and control outbreaks and monitor trends and severe outcomes
- Monitor effectiveness of immunization programs and vaccines

To learn more about varicella, please visit [FloridaHealth.gov/Varicella](http://FloridaHealth.gov/Varicella). For more information on the data sources used in Florida for varicella surveillance, see the last page of this report.

# Vaccine-Preventable Diseases Surveillance System Summary

## Case Data

- Current case data are preliminary and will change as new information is gathered. The most recent data available are displayed in this report.
- Pertussis, varicella, and hepatitis A are reportable diseases in Florida. Case information is documented by county health department (CHD) epidemiologists in Merlin, Florida's reportable disease surveillance system.
- Only Florida residents are included in case counts, but contact investigations are conducted for all exposed individuals.
  - Pertussis, varicella, and hepatitis A case counts include both confirmed and probable cases.
- Map counts and rates are determined by the individual's county of residence; these data do not take into account location of exposure.
- CHD epidemiologists also report outbreaks of pertussis, varicella, and hepatitis A into Merlin.
  - Household-associated cases are defined as  $\geq 2$  cases exposed within the same household.
  - Pertussis outbreaks are defined as  $\geq 2$  cases associated with a specific setting outside of a household.
  - Varicella outbreaks are defined as  $\geq 5$  cases associated with a specific setting outside of a household.
- For more information about reportable diseases, please visit [FloridaHealth.gov/DiseaseReporting](https://www.floridahealth.gov/DiseaseReporting).
- For more information about Florida's guides to surveillance and investigation, including disease-specific surveillance case definitions, please visit [FloridaHealth.gov/GSI](https://www.floridahealth.gov/GSI).

## Population Data

- Population data from 2020 used to calculate incidence rates are from FLHealthCHARTS (Community Health Assessment Resource Tool Set).
- For more information about FLHealthCHARTS, please visit [FLHealthCharts.com](https://www.flhealthcharts.com).

## Vaccination Data

- Vaccination data for identified cases are from Merlin, as documented by CHD staff.
- Vaccination status is determined using the Advisory Committee on Immunization Practices Recommended Immunization Schedule for Children and Adolescents Aged 18 Years or Younger, 2018.
- For more information about immunization schedules, please visit [www.CDC.gov/Vaccines/Schedules/index.html](https://www.CDC.gov/Vaccines/Schedules/index.html).
- Individuals are considered up-to-date on vaccinations if they have received the recommended number of doses of vaccine for a particular disease for their age at the time of their illness onset. Individuals are considered under-vaccinated if they have received at least one but not all doses of vaccine recommended for a particular disease for their age at the time of their illness onset.