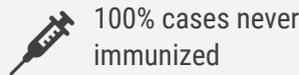


# Measles Surveillance

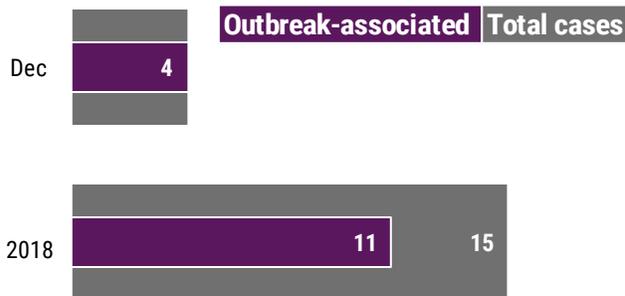
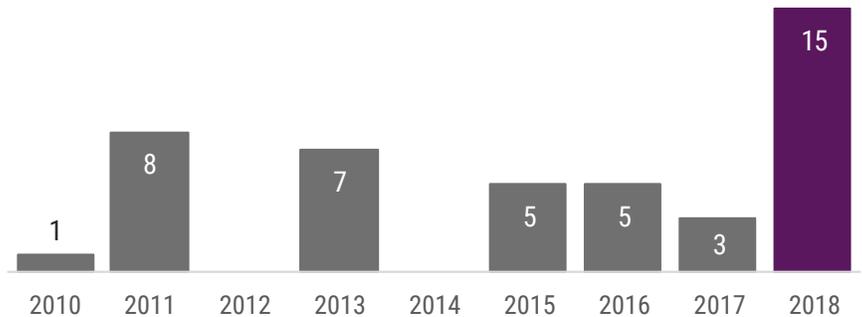
## December 2018

### December Key Points



In 2018, 15 measles cases were reported in 4 counties. Fewer than 10 cases were reported each year from 2010 to 2017.

In 2018, a total of 15 Florida residents and 4 visitors with measles have spent time in Florida while infectious.



In December, all 4 reported cases were associated with an outbreak in Sarasota County. Heightened response during measles investigations helps to connect cases.

There were two outbreaks reported in 2018, representing 11 of the 15 cases that were reported.



### Vaccination is the best way to prevent measles infections.

In December, all 4 cases were unvaccinated for measles.

Due to generally high vaccination rates, measles in Florida is rare but occurs every year and is most often associated with international travel. So far, no international travel has been identified among the cases.

**100%**  
Never vaccinated



### National and International activity

Even though measles has been eliminated in the United States since 2000, cases occur every year, mostly among unvaccinated individuals. As of December 1, 292 confirmed cases of measles have been reported by 26 states and the District of Columbia in 2018. The 2-dose measles vaccination schedule has been successful at decreasing cases.

Recently, increased measles activity has been reported all over the world. The Centers for Disease Control and Prevention (CDC) issued a Level 1 Travel Alert for several countries with measles outbreaks. Travelers to these countries should make sure they are vaccinated against measles with the MMR (measles, mumps, and rubella) vaccine. For more information, please visit [wwwnc.cdc.gov/travel/notices](http://wwwnc.cdc.gov/travel/notices).

### Measles surveillance goals

- Prevent transmission and severe disease
- Initiate control measures
- Monitor effectiveness of immunization programs and vaccines

To learn more about measles, please visit [FloridaHealth.gov/Measles](http://FloridaHealth.gov/Measles). For more information on the data sources used in Florida for measles 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, hepatitis A, and measles 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, hepatitis A, and measles 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 and mumps 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.
  - Measles outbreaks are defined as any person acquiring measles while in Florida.
- For more information about reportable diseases, please visit [FloridaHealth.gov/DiseaseReporting](https://www.floridahealth.gov/disease-reporting).
- 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 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.
- For a full text version of a new study on pertussis vaccination, please visit [www.CIDID.org/Publications-1/2018/3/29/The-Impact-of-Past-Vaccination-Coverage-and-Immunity-on-Pertussis-Resurgence](https://www.CIDID.org/Publications-1/2018/3/29/The-Impact-of-Past-Vaccination-Coverage-and-Immunity-on-Pertussis-Resurgence).