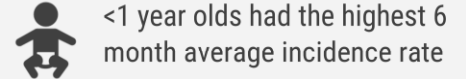
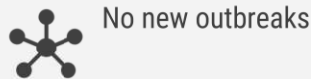
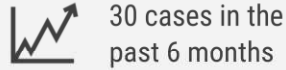
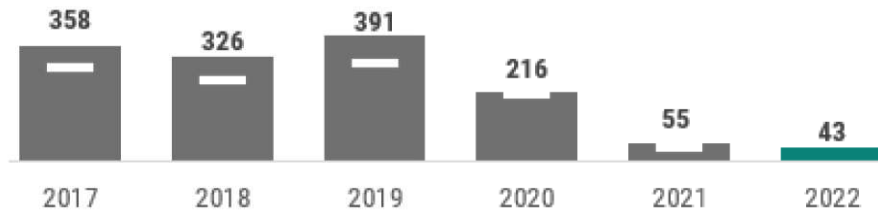


# Pertussis Surveillance

## September Key Points



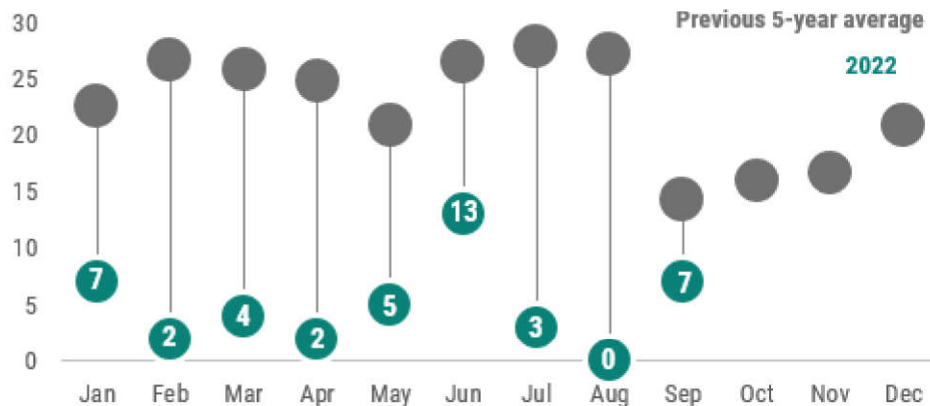
In 2022, 43 pertussis cases were reported in 16 counties. There was an 20% increase in the number of pertussis cases reported between April 2022–September 2022 compared to April 2021–September 2021 (n=25 cases).



\*The white bars indicate the total number of cases as of September for each year



The number of pertussis cases reported in September increased from the previous month and was below the previous 5-year average.



In September 2022, 2 pertussis cases were household-associated. In the past 6 months, there was an average of 2 household-associated cases and an average of 5 total cases. From April 2021–September 2021, there was an average of 1 household-associated case and an average of 4 total cases. For most pertussis cases, exposure to other known cases is not identified and are not able to be linked to outbreaks.

### Household-associated | Outbreak-associated | Total cases

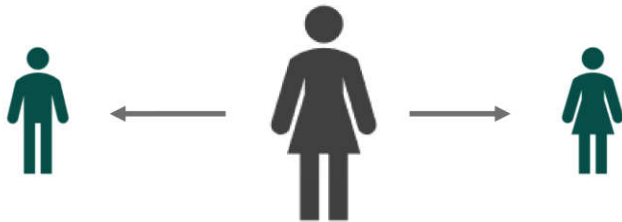


# Pertussis Surveillance

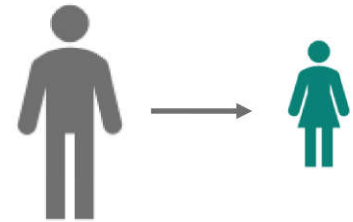


An average of **2 contacts** per case between April 2021 and September 2021 were reported compared to an average of **1 contact** per case between April 2022 and September 2022. Contacts are classified as people whom antibiotics were recommended to prevent illness. Antibiotics can shorten the amount of time cases are contagious and can also be used to prevent illness in those exposed. Understanding pertussis transmission is a key factor in decreasing pertussis infections. In Florida, transmission setting is not routinely identified for non-outbreak cases, resulting in **70%** of cases reporting unknown setting in the past six months.

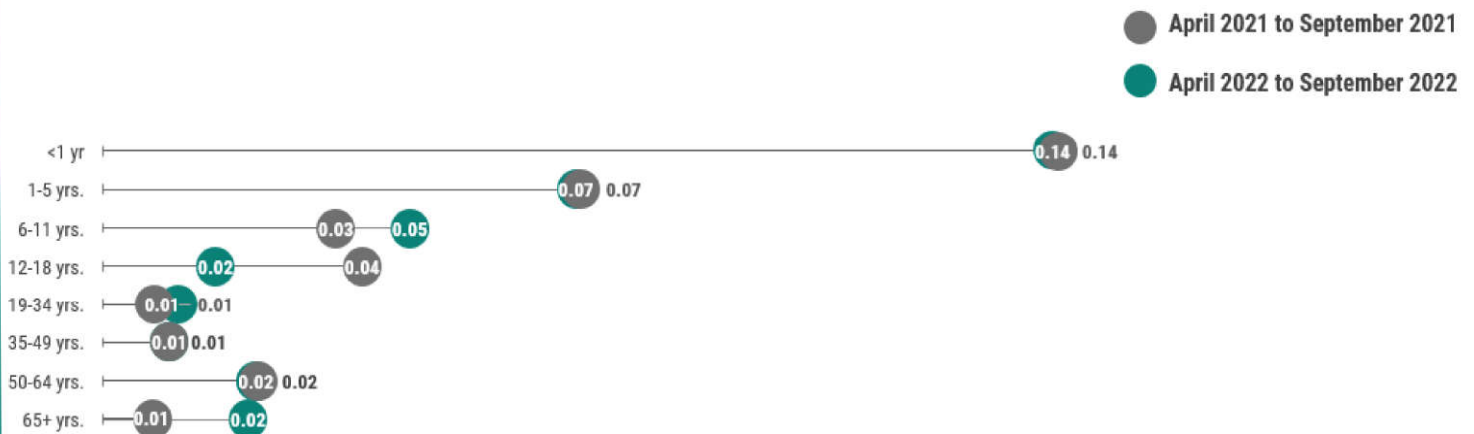
## April 2021 to September 2021



## April 2022 to September 2022



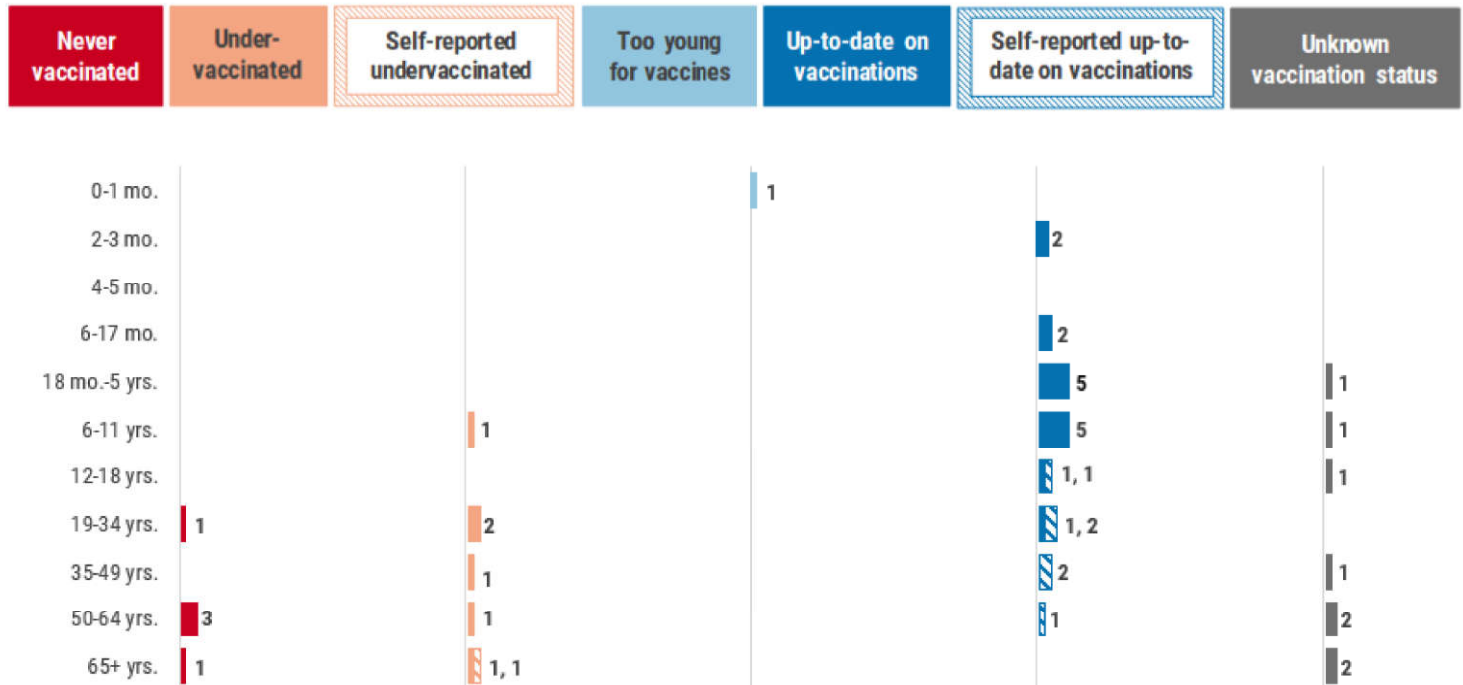
The average incidence rate was highest among **<1 year olds** at **0.14 cases per 100,000 population** between April 2022 and September 2022, which is similar to the average incidence rate for <1 year olds between April 2021 and September 2021. Infants experience the greatest burden of pertussis infections, not only in number of cases but also in severity. Infants <2 months old are too young to receive vaccinations against pertussis, which is why vaccination of parents, siblings, grandparents, and other age groups is important in infection prevention among infants.



# Pertussis Surveillance



In 2022, over half of cases reported were up-to-date on their pertussis vaccinations. **In general, those who have received at least one pertussis vaccination have less severe outcomes than those who have never been vaccinated.** If a person was born before December 1st, 1982, the current pertussis immunization recommendation would not have been implemented when they were receiving their childhood immunizations. Based on the case's age, **18 cases** would not have been vaccinated under the current childhood immunization recommendations.



## National activity

The number of pertussis cases gradually increased since the 1980s, peaking in 2012 at levels not seen since the 1950s. Since 2012, the number of pertussis cases started gradually decreasing. Pertussis incidence has remained highest among infants <1 year old and lowest among adults ≥20 years old since the 1990s.

## Pertussis surveillance goals

- Identify cases to limit transmission in settings with infants or others who may transmit pertussis to infants
- Identify and prevent outbreaks
- Identify transmission settings in non-outbreak cases to prevent the spread of sporadic cases
- Identify contacts of cases and recommend appropriate prevention measures, including exclusion, antibiotic prophylaxis, and immunization
- Monitor the effectiveness of immunization programs and vaccines

To learn more about pertussis, please visit [FloridaHealth.gov/Pertussis](https://FloridaHealth.gov/Pertussis). For more information on the data sources used in Florida