



Maine Department of Health and Human Services
Maine Center for Disease Control and Prevention
11 State House Station
286 Water Street
Augusta, Maine 04333-0011

PAUL R. LePAGE
GOVERNOR

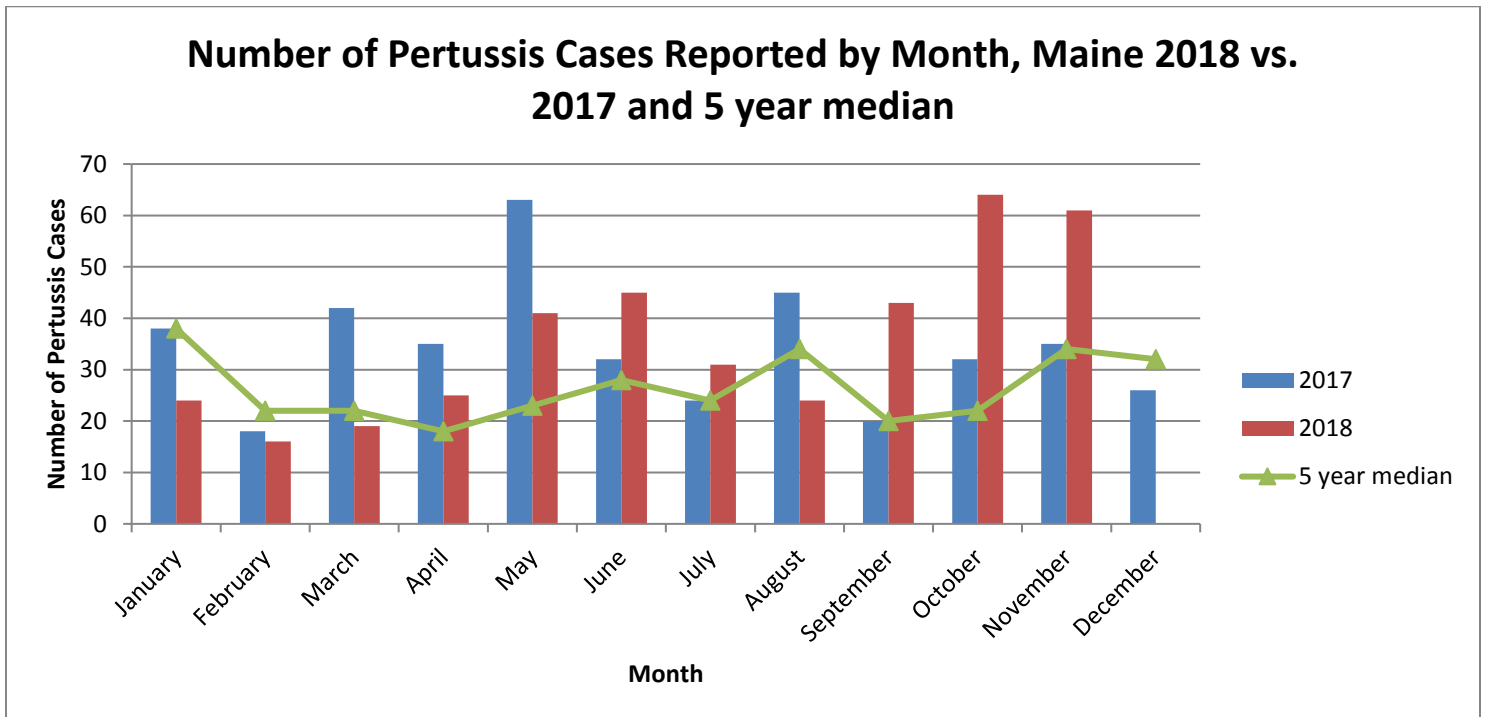
BETHANY L. HAMM
ACTING COMMISSIONER

Maine Monthly Pertussis Surveillance Report November 2018

December 4th, 2018

This update summarizes cases of pertussis reported to the Maine Center for Disease Control from January 1st through November 30th, 2018. There were 393 pertussis cases reported statewide, compared to 384 reported cases in 2017 during that same time and a 5 year median of 285 (see below graph). 62 cases of pertussis were reported statewide in November and four counties had rates of pertussis above the state rate: Hancock, Sagadahoc, Waldo and York. Year to date, most cases were in kids between the ages of 1 and 6 years of age (34.3%) and children ages 11-19 (34.8%), the average age was 10.5 years and the median age was 9 years.

York County continues to experience high rates of pertussis. York county reported 22 cases of pertussis in November, 35.5% of the pertussis cases in Maine reported in October. Four outbreaks were reported in November, two in Cumberland county, one in Hancock county and one in York county.



- The clinical case definition and surveillance case definitions of pertussis are different, so the reported number of cases may seem lower than expected
- All data presented is preliminary and subject to change



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Table 1. Monthly Case Count, YTD Case Count and YTD Incidence Rate per 100,000

| County | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total Cases (YTD) | Incidence Per 100,000 (YTD) |
|--------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-------------------|-----------------------------|
| Aroostook | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 1 | 1.5 |
| Androscoggin | 0 | 0 | 0 | 2 | 7 | 6 | 5 | 1 | 0 | 2 | 1 | | 24 | 22.4 |
| Cumberland | 5 | 2 | 2 | 0 | 4 | 5 | 5 | 2 | 3 | 6 | 17 | | 51 | 17.6 |
| Franklin | 0 | 0 | 0 | 1 | 0 | 1 | 3 | 2 | 0 | 0 | 0 | | 7 | 23.3 |
| Hancock | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 | 12 | | 17 | 31.1 |
| Kennebec | 0 | 3 | 0 | 0 | 0 | 0 | 2 | 1 | 3 | 4 | 0 | | 13 | 10.8 |
| Knox | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | | 2 | 5.0 |
| Lincoln | 0 | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 0 | 1 | 0 | | 5 | 14.7 |
| Oxford | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | | 1 | 1.7 |
| Penobscot | 7 | 4 | 6 | 1 | 2 | 8 | 4 | 4 | 1 | 0 | 0 | | 37 | 24.2 |
| Piscataquis | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | | 1 | 5.9 |
| Sagadahoc | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 5 | | 11 | 31.3 |
| Somerset | 0 | 0 | 0 | 1 | 1 | 3 | 0 | 3 | 2 | 0 | 1 | | 11 | 21.5 |
| Waldo | 6 | 4 | 8 | 6 | 3 | 2 | 3 | 2 | 2 | 12 | 4 | | 52 | 132.8 |
| Washington | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | | 1 | 3.2 |
| York | 4 | 2 | 3 | 14 | 20 | 18 | 5 | 6 | 29 | 37 | 22 | | 160 | 79.5 |
| Maine | 24 | 16 | 19 | 25 | 41 | 45 | 31 | 24 | 43 | 64 | 62 | | 394 | 29.6 |

Table 2. Pertussis cases by age group- Maine, Year to Date 2018

| Age Group | # of Cases | Percent of Cases |
|-------------|------------|------------------|
| < 6 Months | 22 | 5.6% |
| 6-11 Months | 14 | 3.6% |
| 1-6 Years | 135 | 34.3% |
| 7-10 Years | 48 | 12.2% |
| 11-19 Years | 137 | 34.8% |
| ≥ 20 Years | 37 | 9.4% |

Demographics: Average age: 10.5 years, Median age: 9 years. Min 24 days, Max 84 years

49.2% Female, 50.8% Male

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Table 3. Pertussis Outbreaks by County and Facility Type- Maine, Year to Date 2018

| County | Facility Type | | |
|--------------|---------------|---------|-------|
| | School (K-12) | Daycare | Other |
| Androscoggin | 1 | | |
| Cumberland | 3 | | |
| Hancock | 1 | | |
| Penobscot | 1 | | |
| Waldo | 1 | | |
| York | 6 | 3 | |

Pertussis Prevention:

- The best way to prevent pertussis (whooping cough) among babies, children, teens, and adults is to get vaccinated.
 - For more information on pertussis vaccines visit <https://www.cdc.gov/pertussis/vaccines.html>
- Pertussis spreads by coughing and sneezing while in close contact with others, who then breathe in the bacteria. Practice good hand hygiene to prevent the spread of respiratory illnesses. To practice good hygiene you should:
 - Cover your mouth and nose with a tissue when you cough or sneeze.
 - Put your used tissue in the waste basket.
 - Cough or sneeze into your upper sleeve or elbow, not your hands, if you don't have a tissue.
 - Wash your hands often with soap and water for at least 20 seconds or use an alcohol-based hand rub if soap and water are not available.

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