



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

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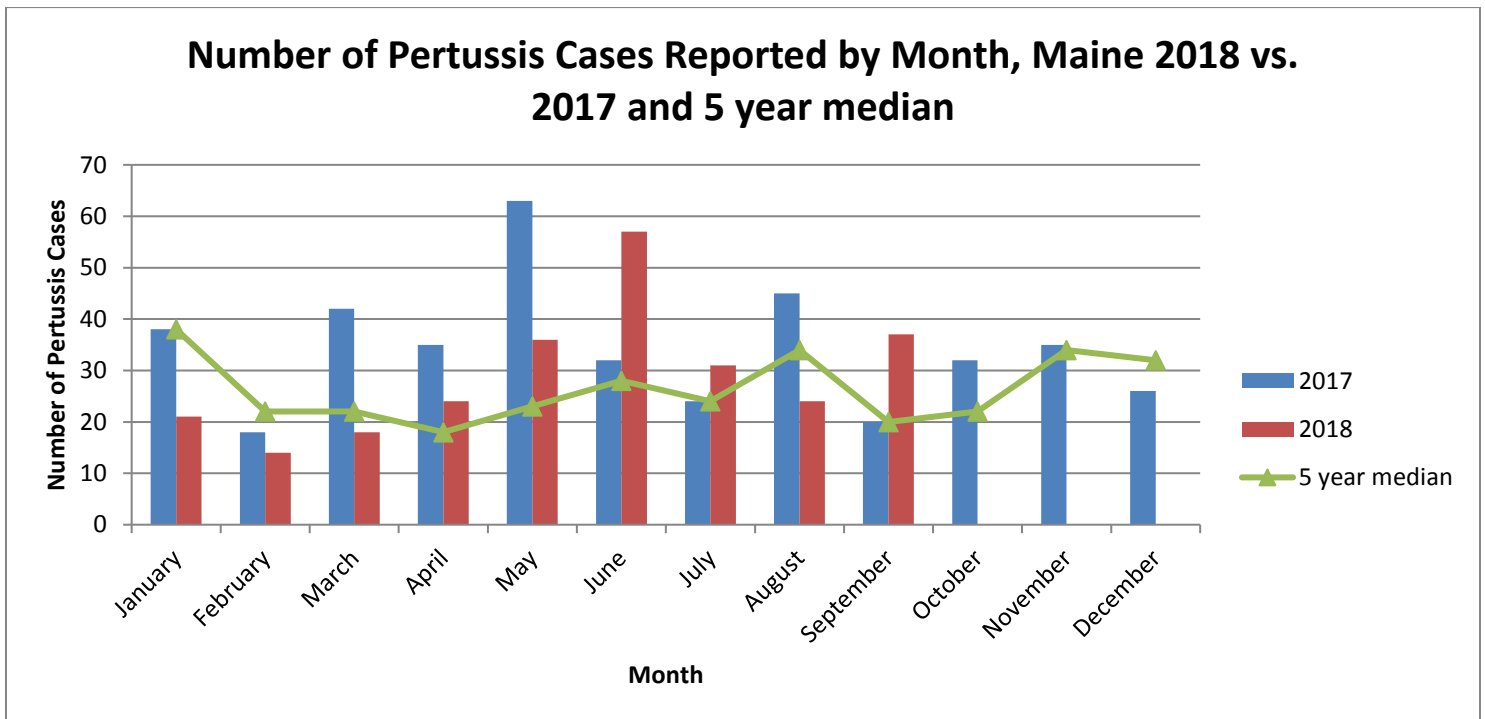
BETHANY L. HAMM
 ACTING COMMISSIONER

Maine Monthly Pertussis Surveillance Report September 2018

October 1st, 2018

This update summarizes cases of pertussis reported to the Maine Center for Disease Control from January 1st through September 30th, 2018. There were 262 pertussis cases reported statewide through September 30th 2018, compared to 317 reported cases in 2017 during that same time and a 5 year median of 229 (see below graph). As of September 30th 2018 five counties had rates of pertussis above the state rate: Franklin, Penobscot, Sagadahoc, Waldo and York. Year to date, most cases (35.1%) were in kids between the ages of 1 and 6 years of age and children ages 11-19 (30.1%) the average age was 12.1 years and the median age was 8 years.

York County reported 25 cases of pertussis in September, 68% of the pertussis cases in Maine. Additionally, three outbreaks were reported in York county in September, one in a daycare and two in a K-12 facility.



- 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				1	1.5
Androscoggin	0	0	0	2	2	11	5	1	0				21	19.6
Cumberland	4	2	3	0	3	6	5	2	3				28	9.7
Franklin	0	0	0	0	1	1	3	2	0				7	23.3
Hancock	0	0	0	0	1	0	0	0	1				2	3.7
Kennebec	0	3	0	0	0	0	2	1	3				9	7.5
Knox	0	0	0	0	0	0	1	1	0				2	5.0
Lincoln	0	0	0	0	1	1	1	1	0				4	11.8
Oxford	0	0	0	0	0	0	0	0	1				1	1.7
Penobscot	6	5	5	2	0	10	4	4	1				37	24.2
Piscataquis	0	0	0	0	0	0	1	0	0				1	5.9
Sagadahoc	1	0	1	0	0	2	1	1	1				7	19.9
Somerset	0	0	0	1	1	3	0	3	2				10	19.6
Waldo	6	2	7	8	4	2	3	2	0				34	86.8
Washington	0	0	0	0	0	1	0	0	0				1	3.2
York	3	2	2	11	23	20	5	6	25				97	48.2
Maine	21	14	18	24	36	57	31	24	37				262	19.7

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

Age Group	# of Cases	Percent of Cases
< 6 Months	15	5.7%
6-11 Months	10	3.8%
1-6 Years	92	35.1%
7-10 Years	34	12.9%
11-19 Years	79	30.1%
≥ 20 Years	32	12.2%

Demographics: Average age: 12.1 years,
Median age: 8 years. Min 1 month, Max 84
years

47.7% Female, 52.2% 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		
Penobscot	1		
York	4	2	

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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