

Montana Pertussis Update

Cases reported as of November 30, 2019

Montana DPHHS, Communicable Disease Epidemiology



The Montana Department of Health and Human Services (DPHHS) coordinates data from a variety of sources to an ongoing summary of pertussis activity in the state. All data are preliminary and may change as more complete information is received.

Summary:

- Since January 1, 2019, **475** cases of pertussis have been reported. This compares to 82 cases reported at the same time in 2018.
- Twenty-five counties in the state have reported at least once pertussis case in 2019. Among these, the number of cases ranges from 1–174.
- The most common age group affected by pertussis are school aged children, with a median age of 15 years (range 16 days – 86 years). Four percent of cases are infants less than one year of age.
- The overall incidence rate year to date is 44.7 cases per 100,000 Montana residents

Table 1: Pertussis case counts by Jurisdiction – Montana, YTD 11/30/2019¹

COUNTY	CASE COUNT	POPULATION ¹	INCIDENCE RATE (PER 100,000)
BEAVERHEAD	4	9,404	42.5
BIG HORN	12	13,338	89.9
BLAINE	13	6,807	190.9
CASCADE	1	81,643	1.2
CHOUTEAU	1	5,745	17.4
DAWSON	1	8,860	11.5
FLATHEAD	82	102,106	80.3
GALLATIN	71	111,876	63.5
GLACIER	1	13,747	7.3
HILL	2	16,347	12.2
JEFFERSON	2	12,097	16.5
LAKE	30	30,250	99.2
LEWIS & CLARK	29	68,700	42.2
LIBERTY	1	2,430	41.2
LINCOLN	1	19,794	5.0
MADISON	1	1,675	59.7
MISSOULA	174	118,791	146.5
PARK	17	16,736	101.6
PETROLEUM	2	513	389.9
POWELL	1	6,968	14.4
RAVALLI	10	43,172	23.2
ROSEBUD	1	9,063	11.0
SANDERS	2	11,844	16.9
SILVER BOW	3	34,993	8.6
YELLOWSTONE	13	160,137	8.1
MONTANA	475	1,062,305	44.7

¹National Center for Health Statistics <http://www.cdc.gov/nchs/about/major/dvs/popbridge/popbridge.htm>

Figure 3. Reported pertussis cases by age group – Montana, YTD 11/30/19

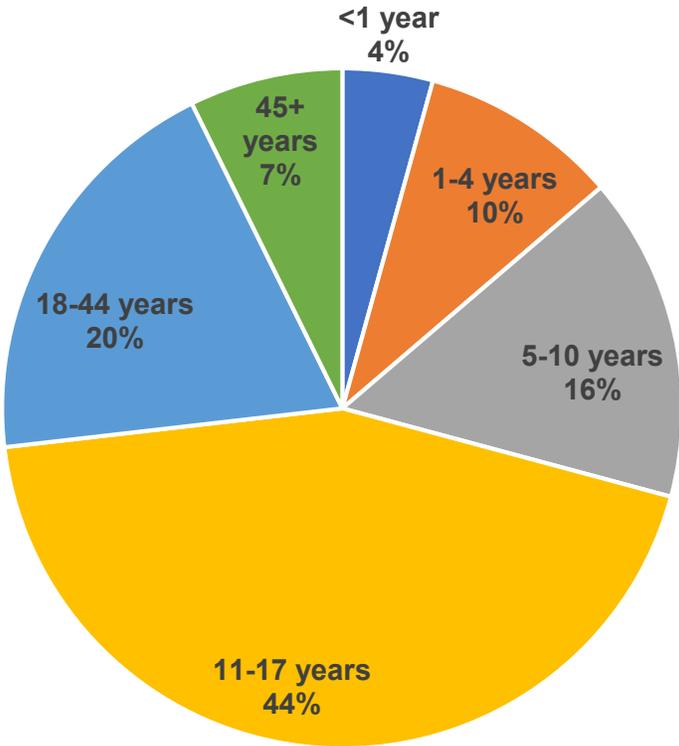


Figure 4. Age distribution of pediatric (0-17 years) pertussis cases – Montana, YTD 2019

