

Utah Weekly Pertussis Update

2020 data, through MMWR week ending March 21 (MMWR week 12)

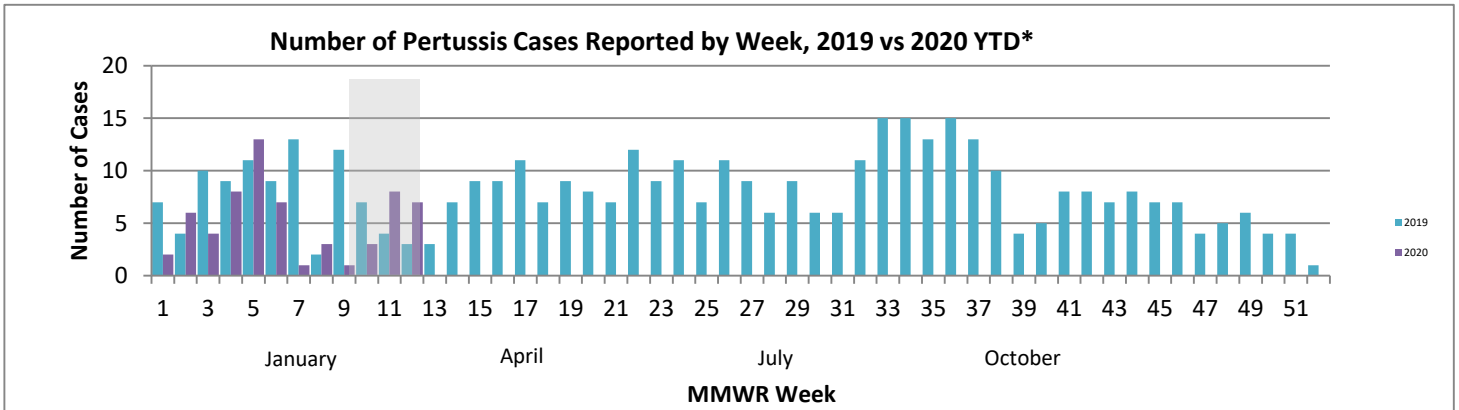
Data presented in this report are based on current data available and will be subject to change weekly.

Data Summary

Total number of cases reported, 2020 year-to-date (YTD)	63	Utah Incidence rate, 2020 year-to-date (YTD) per 100,000 person-years	8.7
Total number of cases reported 2019	417	Utah Incidence rate, 2019 per 100,000 person-years	13.4
Number of cases reported in past week	7	National Incidence rate*, 2018 per 100,000 person-years	4.8
Total number of cases reported, through same time period 2019	91	2020 Hospitalizations	4
Age groups with the highest rates	<1	2020 Cases in infants <1 year	3
	1-4		

*National Incidence Rate is updated as released by the Centers for Disease Control and Prevention.

Number of cases reported by week



*Additional cases may have occurred, especially in the most recent 3 weeks that have not yet been reported, as indicated by the grayed out section of the graph above.

2020 Year-to-Date Incidence Rates, By Age

Age (years)	2020 Cases	2018 population	Rate*
<1	3	50,160	26.0
1-4	8	202,844	17.1
5-14	11	525,877	9.1
15-24	19	509,891	16.2
25-34	2	464,908	1.9
35-44	4	434,614	4.0
45-54	8	322,173	10.8
55-64	3	300,160	4.3
65+	5	350,478	6.2
Unknown	0	-	-
Total	63	3,161,105	8.7

* Rate is calculated per 100,000 person years.

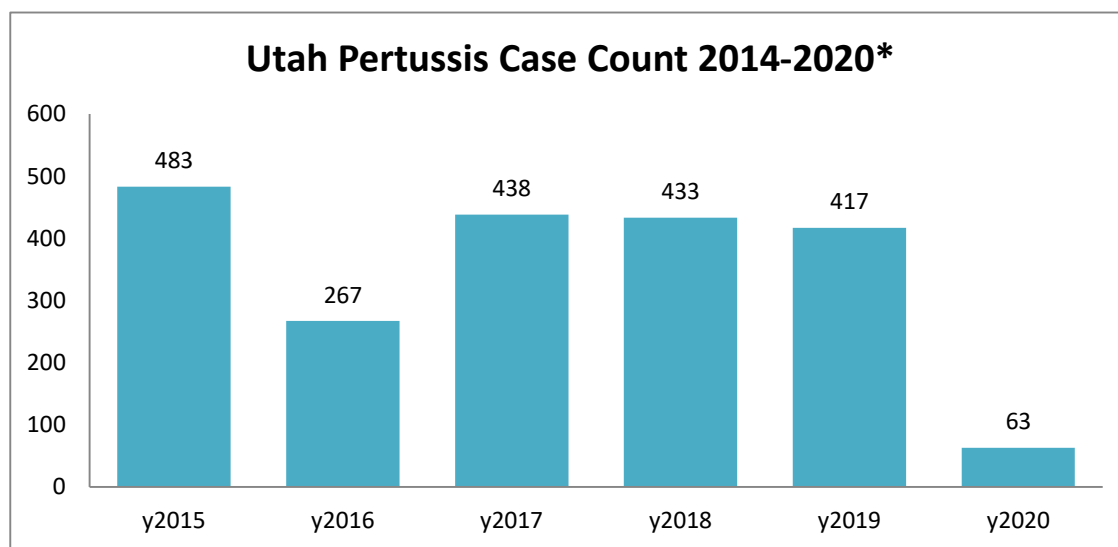
Infants less than 1 year of age have historically had the highest incidence rates of pertussis due to their susceptibility.

School Age Incidence Rates, 2020 Year-to-Date

Grade	Age (years)	2020 Cases	2018 Population	Rate*
Preschool	3-4	3	151,676	8.6
Kindergarten	5	3	51,880	25.1
1	6	0	50,305	0.0
2	7	1	51,662	8.4
3	8	2	52,672	16.5
4	9	1	52,559	8.3
5	10	0	53,970	0.0
6	11	2	54,129	16.1
7	12	0	53,185	0.0
8	13	1	52,831	8.2
9	14	1	52,684	8.2
10	15	1	52,057	8.3
11	16	6	50,856	51.3
12	17	2	50,668	17.2

* Rate is calculated per 100,000 person-years. School age incidence rates were calculated using the average age of a student in each grade. High incidence rates in 5th and 6th grade may be due to waning immunity.

Utah Case Counts of Pertussis, 2015-2020* Year to Date



Pertussis tends to be cyclical. Reports have increased in Utah since 2010, peaked in 2012, and are currently trending downward.

* 2020 data includes pertussis cases reported year to date. 2015-2019 data reflects cases reported during the entire calendar year for each year.

Incidence of Pertussis by Local Health Department, 2020 YTD

Local Health Department	2020 Cases	Rate*
Bear River	3	7.1
Central Utah	0	0.0
Davis County	8	9.9
Salt Lake County	16	6.0
San Juan County	0	0.0
Southeast Utah	0	0.0
Southwest Utah	1	1.8
Summit County	2	20.7
Tooele County	2	12.4
TriCounty	0	0.0
Utah County	6	4.2
Wasatch County	6	78.4
Weber-Morgan	19	30.8

