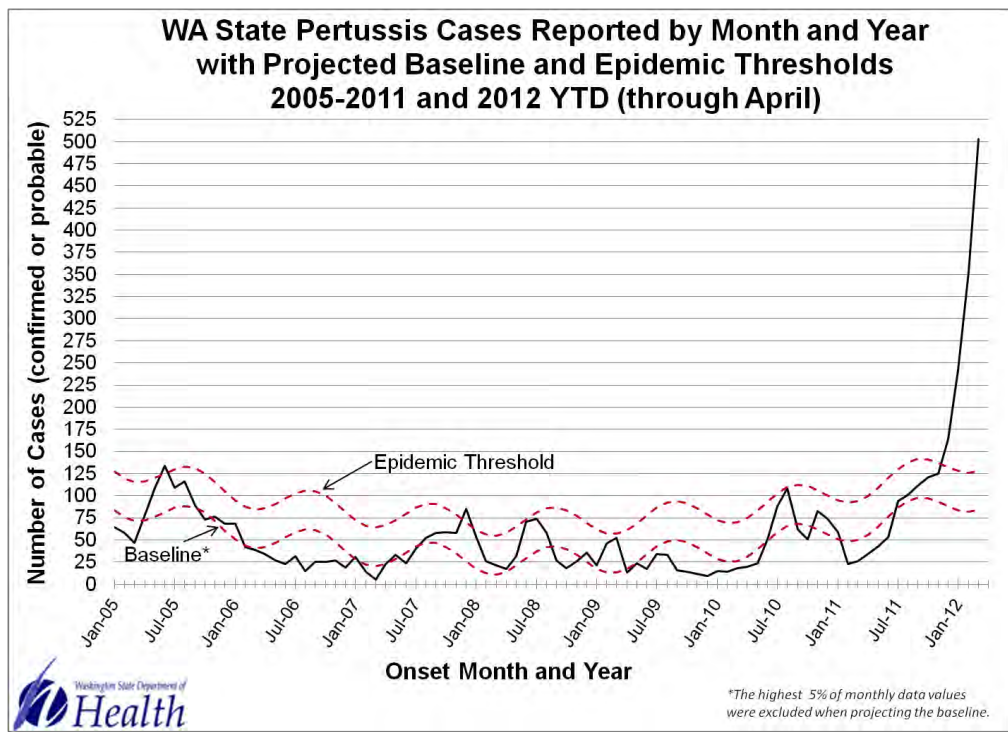
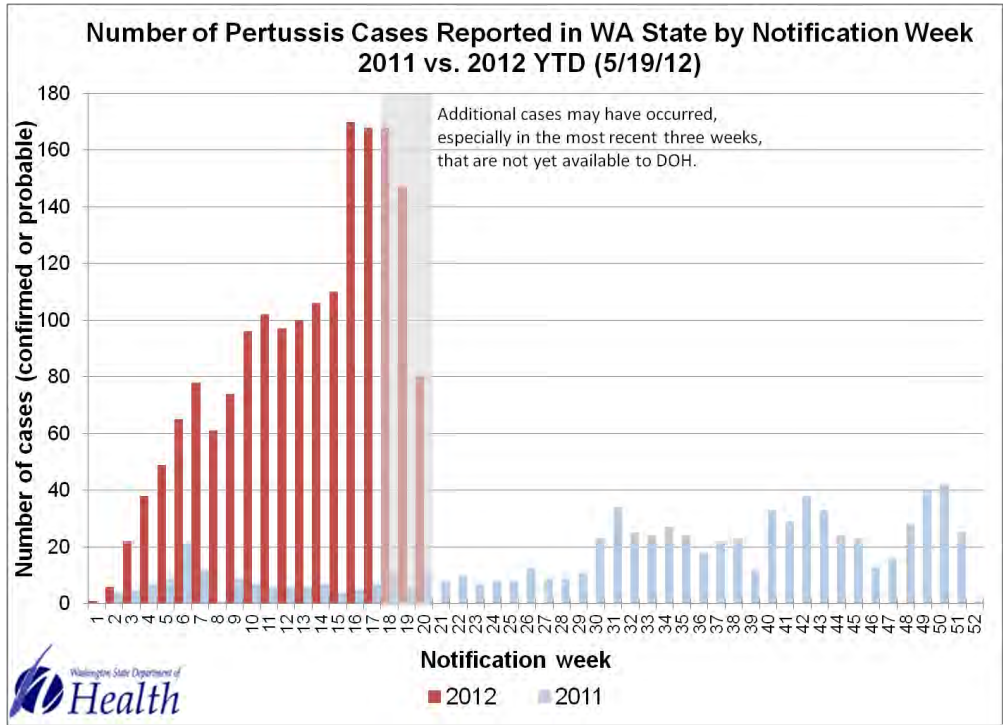


## Weekly pertussis update for Washington State

2012 year to date (YTD) confirmed and probable cases reported through 5/19/2012 (week 20)

This update summarizes reports of pertussis in persons with 2012 onsets received by local health jurisdictions (LHJs) during weeks 1-20, made visible to Washington State Department of Health (DOH) - Communicable Disease Epidemiology, and containing sufficient information for a DOH case classification to have been assigned.

- There have been a total of 1,738 cases reported statewide through week 20, compared to 146 reported cases in 2011 during the same time period. Dates for the 2011/2012 comparison were based on LHJ notification date.



- Ten counties have reported no pertussis activity in 2012.
- Among the twenty-nine counties with pertussis activity, the number of pertussis cases reported in a given county so far this year ranges from 1 to 343, and the year to date rate of disease in a given county ranges from 4.5 to 287.5 per 100,000 persons (see Table 1).
  - The median and mean county rates in counties reporting pertussis activity are 18.1 and 33.0 per 100,000 persons year to date, respectively.
- The overall incidence rate year to date is 25.8 pertussis cases per 100,000 Washington residents and the rate of disease in infants under one year of age, 128.7 per 100,000, remains higher than rates in all other age groups (see Table 2). This equates to an annualized overall rate of pertussis in Washington residents of 67.1 per 100,000 persons with a rate in infants of 334.7 per 100,000 should this trend continue throughout 2012. One hundred and fourteen infants under one year of age were reported as having whooping cough and twenty-nine of them were hospitalized. Of those hospitalized, twenty-three (79%) were very young (three months of age or younger).

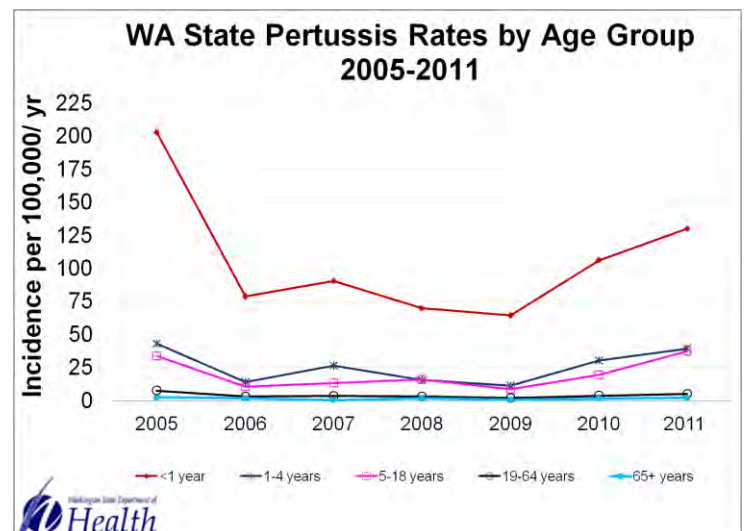
**Table 1. WA State pertussis cases by county, 2012 YTD**

County	2010 OFM Population	Number of Cases	Rate per 100,000 persons
Adams	18,300	1	5.5
Benton	172,900	22	12.7
Chelan	73,300	9	12.3
Clallam	70,100	8	11.4
Clark	435,600	121	27.8
Columbia	4,150	2	48.2
Cowlitz	100,000	49	49.0
Douglas	38,500	5	13.0
Franklin	75,500	20	26.5
Grant	87,700	5	5.7
Grays Harbor	71,600	4	5.6
Island	81,100	23	28.4
Jefferson	29,300	21	71.7
King	1,933,400	258	13.3
Kitsap	248,300	45	18.1
Kittitas	40,500	24	59.3
Lewis	75,600	27	35.7
Mason	57,100	6	10.5
Okanogan	40,900	3	7.3
Pierce	814,600	245	30.1
San Juan	16,500	4	24.2
Skagit	119,300	343	287.5
Snohomish	711,100	285	40.1
Spokane	470,300	21	4.5
Stevens	44,300	3	6.8
Thurston	252,400	16	6.3
Walla Walla	59,600	12	20.1
Whatcom	195,500	124	63.4
Yakima	239,100	32	13.4

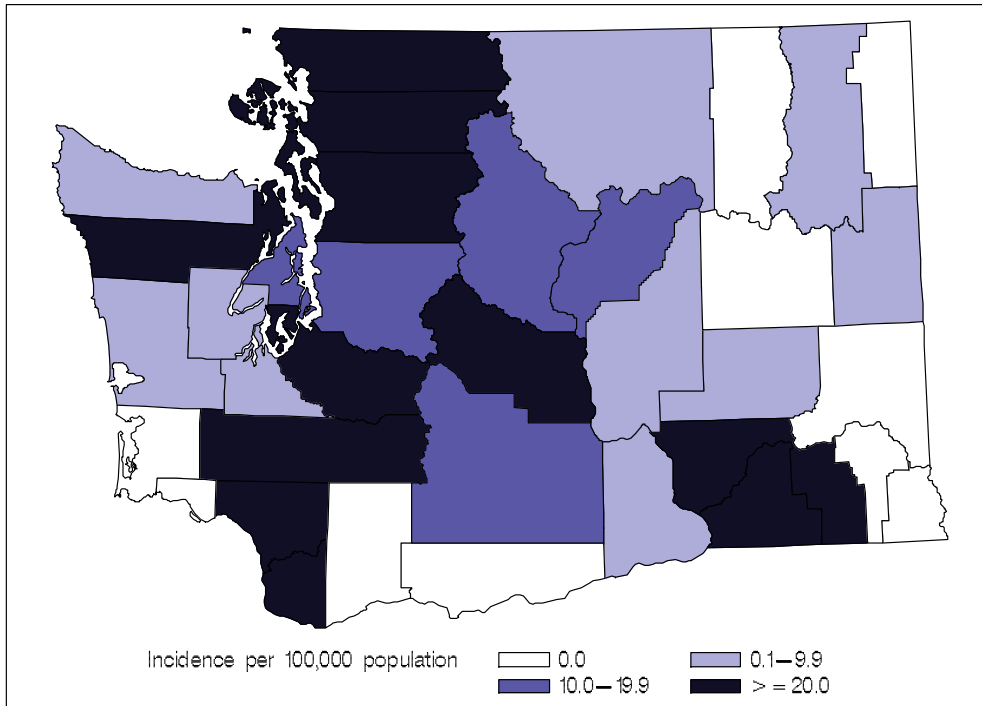
**Note.** Counties with no reported cases classified as confirmed or probable, 2012: Asotin, Ferry, Garfield, Klickitat, Lincoln, Pacific, Pend Oreille, Skamania, Wahkiakum, and Whitman.

**Table 2. WA State pertussis cases by age group, 2012 YTD**

Age Group (years)	2010 OFM Population	Number of Cases	Rate per 100,000 persons	% cases by age group
<1	88,544	114	128.7	6.6
1-4	355,275	207	58.3	11.9
5-9	432,656	364	84.1	20.9
10-13	346,396	425	122.7	24.5
14-18	454,703	307	67.5	17.7
19-24	577,706	53	9.2	3.0
25-44	1,830,703	150	8.2	8.6
45-64	1,823,910	90	4.9	5.2
65+	823,357	28	3.4	1.6
All ages	6,733,250	1,738	25.8	



## Recent Pertussis Incidence by County (February - April 2012 Onsets)



**Table 3. Cumulative number of confirmed and probable pertussis cases reported in WA State by 2012 LHJ notification week (through 5/19)**

Notification Week	Cumulative Number of 2012 Cases	Number of New Cases
1	1	1
2	7	6
3	29	22
4	67	38
5	116	49
6	181	65
7	259	78
8	320	61
9	394	74
10	490	96
11	592	102
12	689	97
13	789	100
14	895	106
15	1,005	110
16	1,175	170
17	1,343	168
18	1,511	168
19	1,658	147
20	1,738	80

Note: Additional cases may have occurred, especially in the most recent three weeks, that are not yet made available to DOH.

**Table 4. Summary of reported pertussis cases\* included in the previous 2012 weekly updates posted online**

Notification Week	Date of Data Retrieval	Number of Cases
3	1/23	10
4	1/30	36
5	2/6	68
6	2/13	107
7	2/20	175
8	2/27	240
9	3/5	313
10	3/12	375
11	3/19	463
12	3/26	549
13	4/2	640
14	4/9	776
15	4/16	897
16	4/23	1,008
17	4/30	1,132
18	5/7	1,284
19	5/14	1,484

\*Note: These case counts do not correspond to the actual cumulative number of cases by LHJ notification week, but rather the cumulative number of cases that had been available to DOH at the time each week's update was created.