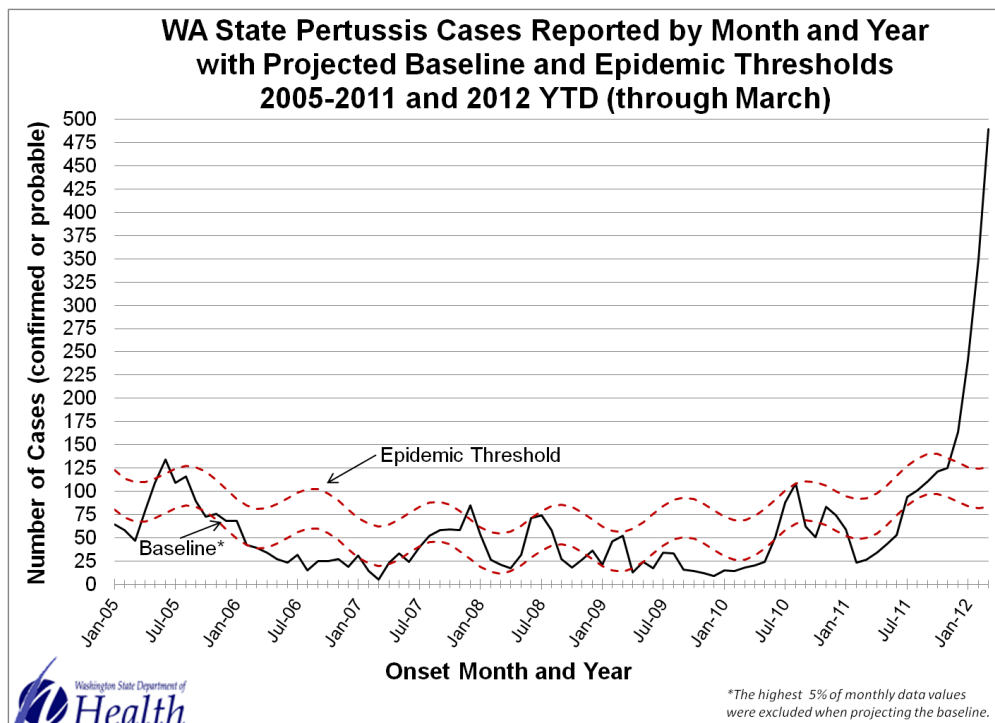
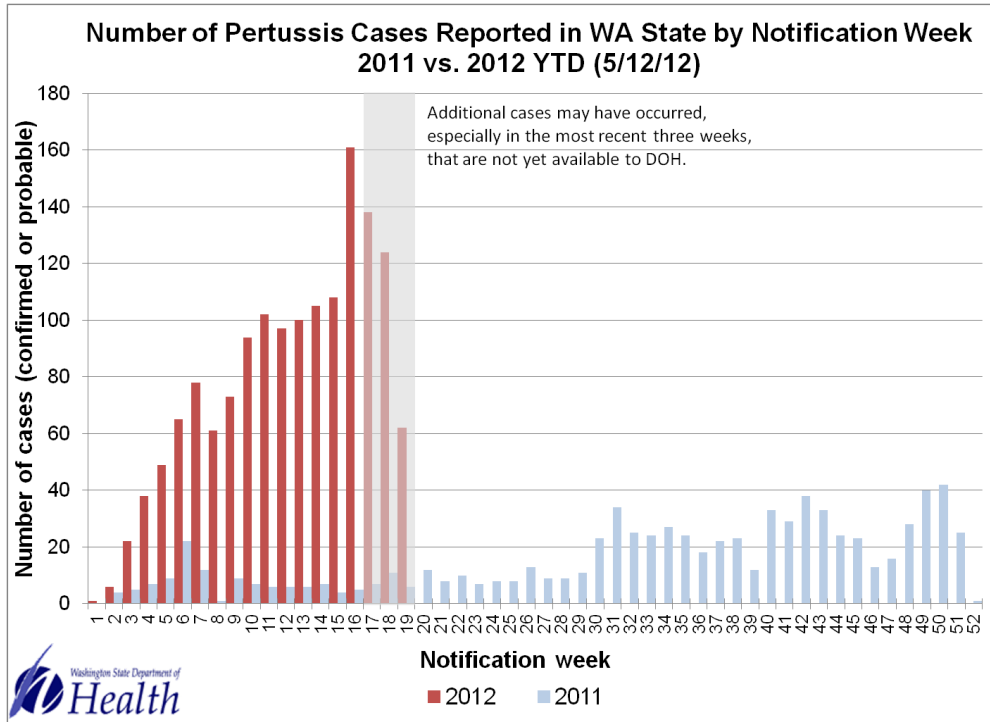


Weekly pertussis update for Washington State

2012 year to date (YTD) confirmed and probable cases reported through 5/12/2012 (week 19)

This update summarizes reports of pertussis in persons with 2012 onsets received by local health jurisdictions (LHJs) during weeks 1-19, 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 1,484 cases reported statewide through week 19, compared to 134 reported cases in 2011 during the same time period. Dates for the 2011/2012 comparison were based on LHJ notification date.



- Eleven counties have reported no pertussis activity in 2012.
- Among the twenty-eight counties with pertussis activity, the number of pertussis cases reported in a given county so far this year ranges from 1 to 295, and the year to date rate of disease in a given county ranges from 3.8 to 247.3 per 100,000 persons (see Table 1).
 - The median and mean county rates in counties reporting pertussis activity are 14.1 and 29.0 per 100,000 persons year to date, respectively.
- The overall incidence rate year to date is 22.0 pertussis cases per 100,000 Washington residents and the rate of disease in infants under one year of age, 114.1 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 60.3 per 100,000 persons with a rate in infants of 312.2 per 100,000 should this trend continue throughout 2012. One hundred and one infants under one year of age were reported as having whooping cough and twenty-six of them were hospitalized. Of those hospitalized, twenty (77%) were very young (three months of age or younger).

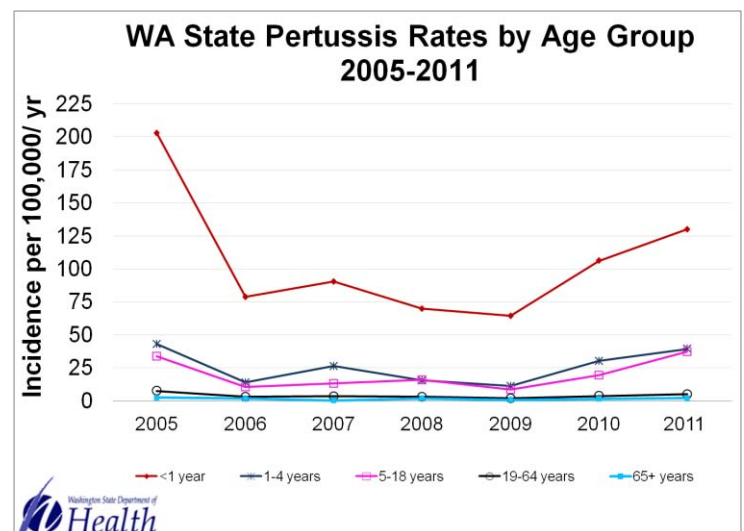
Table 1. WA State pertussis cases by county, 2012 YTD

County	2010 OFM Population	Number of Cases	Rate per 100,000 persons
Adams	18,300	1	5.5
Benton	172,900	21	12.1
Chelan	73,300	8	10.9
Clallam	70,100	5	7.1
Clark	435,600	112	25.7
Cowlitz	100,000	47	47.0
Douglas	38,500	4	10.4
Franklin	75,500	20	26.5
Grant	87,700	5	5.7
Grays Harbor	71,600	4	5.6
Island	81,100	18	22.2
Jefferson	29,300	21	71.7
King	1,933,400	176	9.1
Kitsap	248,300	40	16.1
Kittitas	40,500	22	54.3
Lewis	75,600	26	34.4
Mason	57,100	5	8.8
Okanogan	40,900	3	7.3
Pierce	814,600	206	25.3
San Juan	16,500	4	24.2
Skagit	119,300	295	247.3
Snohomish	711,100	264	37.1
Spokane	470,300	18	3.8
Stevens	44,300	2	4.5
Thurston	252,400	11	4.4
Walla Walla	59,600	11	18.5
Whatcom	195,500	111	56.8
Yakima	239,100	24	10.0

Note. Counties with no reported cases classified as confirmed or probable, 2012: Asotin, Columbia, 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	101	114.1	6.8%
1-4	355,275	183	51.5	12.3%
5-9	432,656	315	72.8	21.2%
10-13	346,396	363	104.8	24.5%
14-18	454,703	256	56.3	17.3%
19-24	577,706	46	8.0	3.1%
25-44	1,830,703	123	6.7	8.3%
45-64	1,823,910	73	4.0	4.9%
65+	823,357	24	2.9	1.6%
All ages	6,733,250	1,484	22.0	



Recent Pertussis Incidence by County (January - March 2012 Onsets)

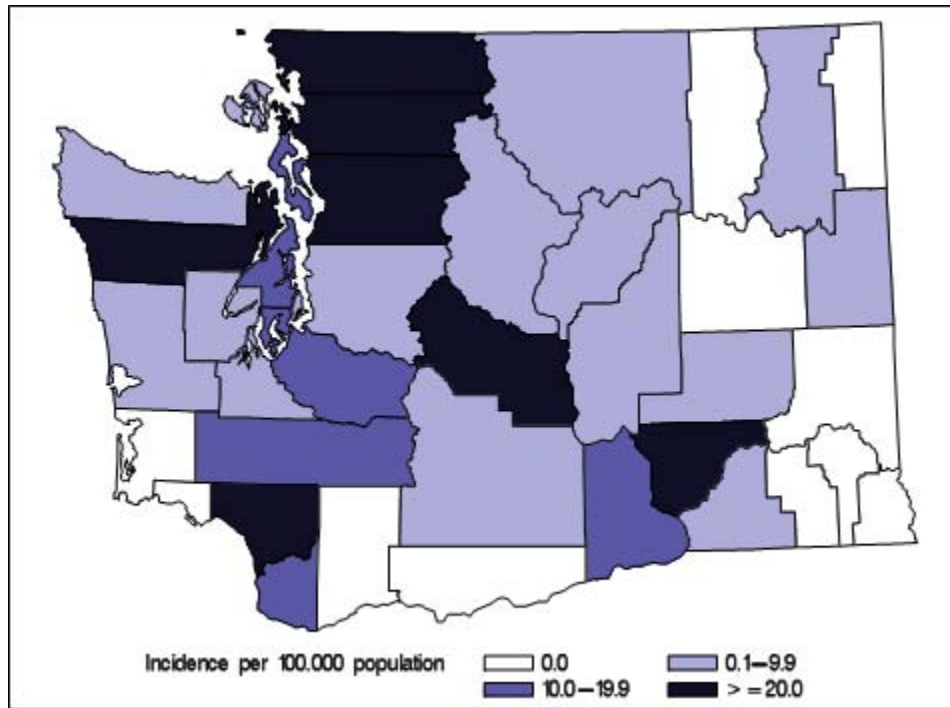


Table 3. Cumulative number of confirmed and probable pertussis cases reported in WA State by 2012 LHJ notification week (through 5/5)

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	393	73
10	487	94
11	589	102
12	686	97
13	786	100
14	891	105
15	999	108
16	1,160	161
17	1,298	138
18	1,422	124
19	1,484	62

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

*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.

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