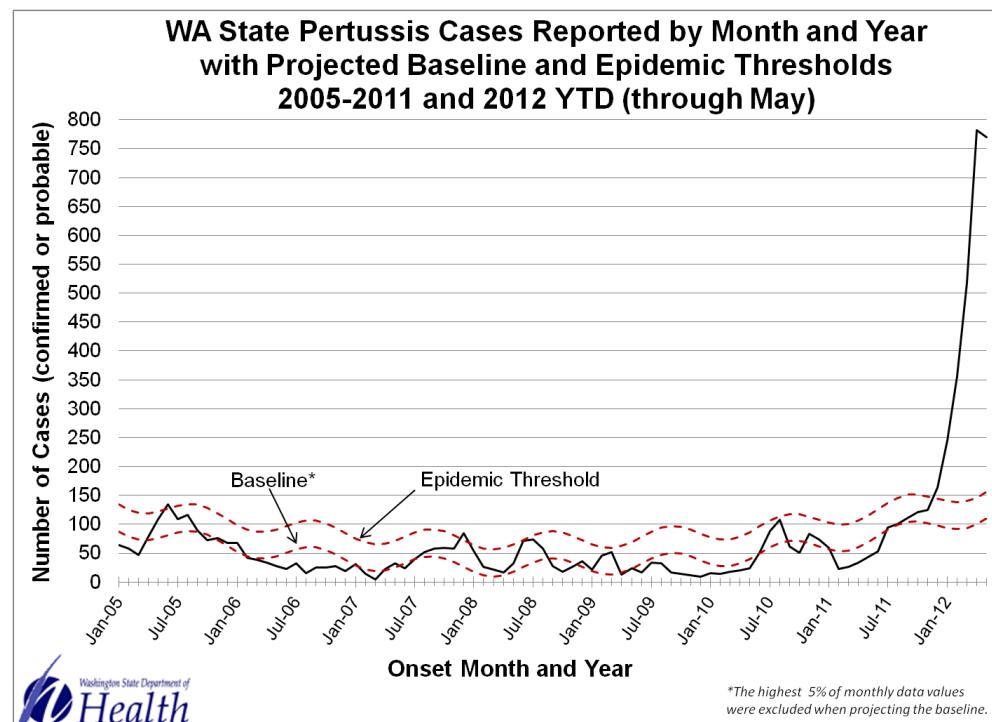
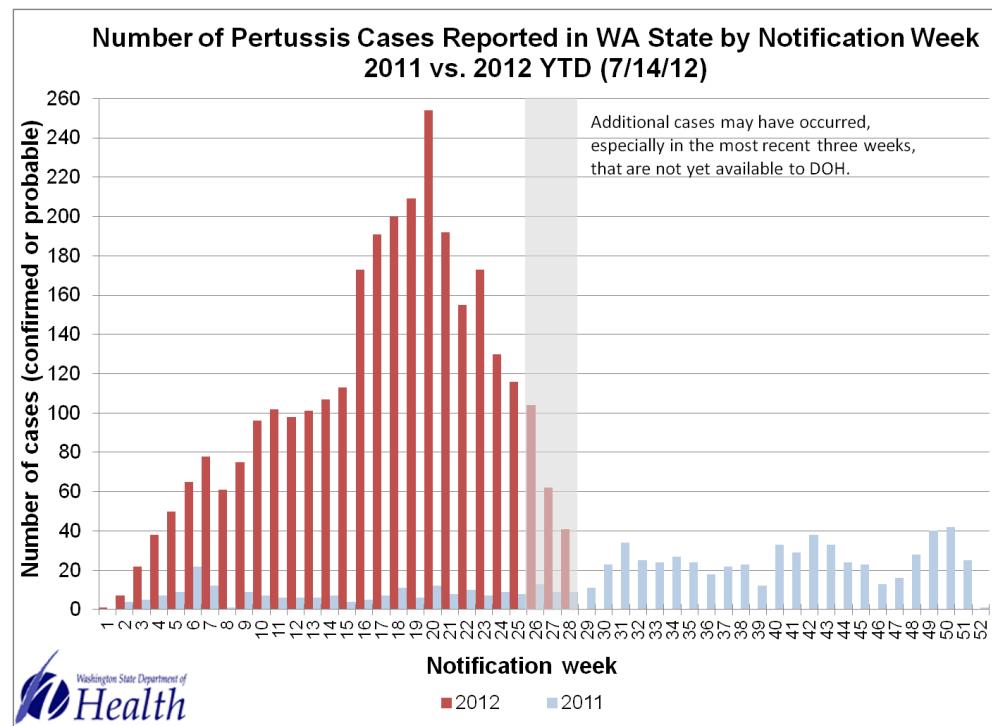


Weekly pertussis update for Washington State

2012 year to date (YTD) confirmed and probable cases reported through 7/14/2012 (week 28)

This update summarizes reports of pertussis in persons with 2012 onsets received by local health jurisdictions (LHJs) during weeks 1-28, 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 3,014 cases reported statewide through week 28, compared to 219 reported cases in 2011 during the same time period. Dates for the 2011/2012 comparison were based on LHJ notification date.



- Six counties have reported no pertussis activity in 2012.
- Among the thirty-three counties with pertussis activity, the number of pertussis cases reported in a given county so far this year ranges from 1 to 526, and the year to date rate of disease in a given county ranges from 6.8 to 440.9 per 100,000 persons (see Table 1).
 - The median and mean county rates in counties reporting pertussis activity are 31.6 and 49.8 per 100,000 persons year to date, respectively.
- The overall incidence year to date is 44.8 pertussis cases per 100,000 Washington residents with a rate in infants under one year of age of 208.9 per 100,000 (see Table 2). One hundred and eighty-five infants under one year of age were reported as having whooping cough and thirty-nine of them were hospitalized. Of those hospitalized, thirty-one (79%) were very young (three months of age or younger). Adolescents aged 10-13 years old also have a high incidence rate, 218.2 per 100,000, and comprise 25% of the total cases.

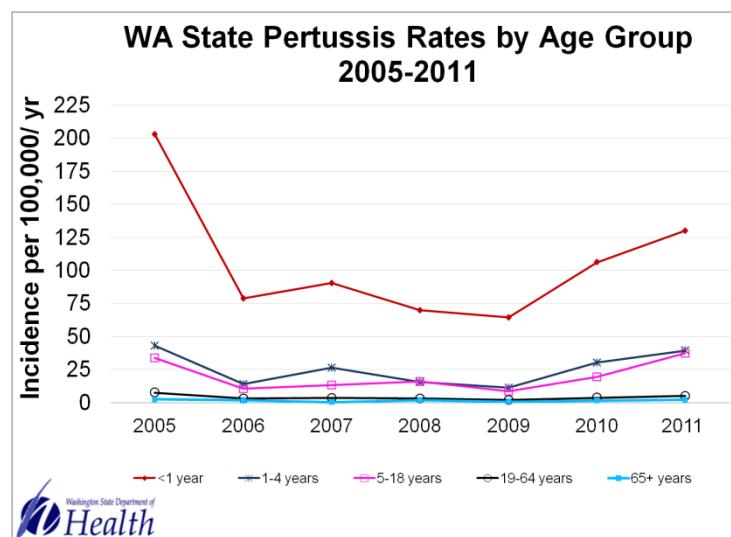
Table 1. WA State pertussis cases by county, 2012 YTD

County	2010 OFM Population	Number of Cases	Rate per 100,000 persons
Adams	18,300	2	10.9
Benton	172,900	42	24.3
Chelan	73,300	26	35.5
Clallam	70,100	17	24.3
Clark	435,600	198	45.5
Columbia	4,150	2	48.2
Cowlitz	100,000	59	59.0
Douglas	38,500	7	18.2
Ferry	7,850	2	25.5
Franklin	75,500	27	35.8
Grant	87,700	20	22.8
Grays Harbor	71,600	13	18.2
Island	81,100	39	48.1
Jefferson	29,300	22	75.1
King	1,933,400	490	25.3
Kitsap	248,300	62	25.0
Kittitas	40,500	25	61.7
Klickitat	20,500	3	14.6
Lewis	75,600	59	78.0
Lincoln	10,500	1	9.5
Mason	57,100	6	10.5
Okanogan	40,900	10	24.4
Pend Oreille	13,100	1	7.6
Pierce	814,600	476	58.4
San Juan	16,500	9	54.5
Skagit	119,300	526	440.9
Snohomish	711,100	387	54.4
Spokane	470,300	32	6.8
Stevens	44,300	14	31.6
Thurston	252,400	20	7.9
Walla Walla	59,600	35	58.7
Whatcom	195,500	230	117.6
Yakima	239,100	152	63.6

Note. Counties with no reported cases classified as confirmed or probable, 2012: Asotin, Garfield, Pacific, 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	185	208.9	6.1
1-4	355,275	324	91.2	10.7
5-9	432,656	584	135.0	19.4
10-13	346,396	756	218.2	25.1
14-18	454,703	560	123.2	18.6
19-24	577,706	96	16.6	3.2
25-44	1,830,703	288	15.7	9.6
45-64	1,823,910	171	9.4	5.7
65+	823,357	50	6.1	1.7
All ages	6,733,250	3,014	44.8	



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

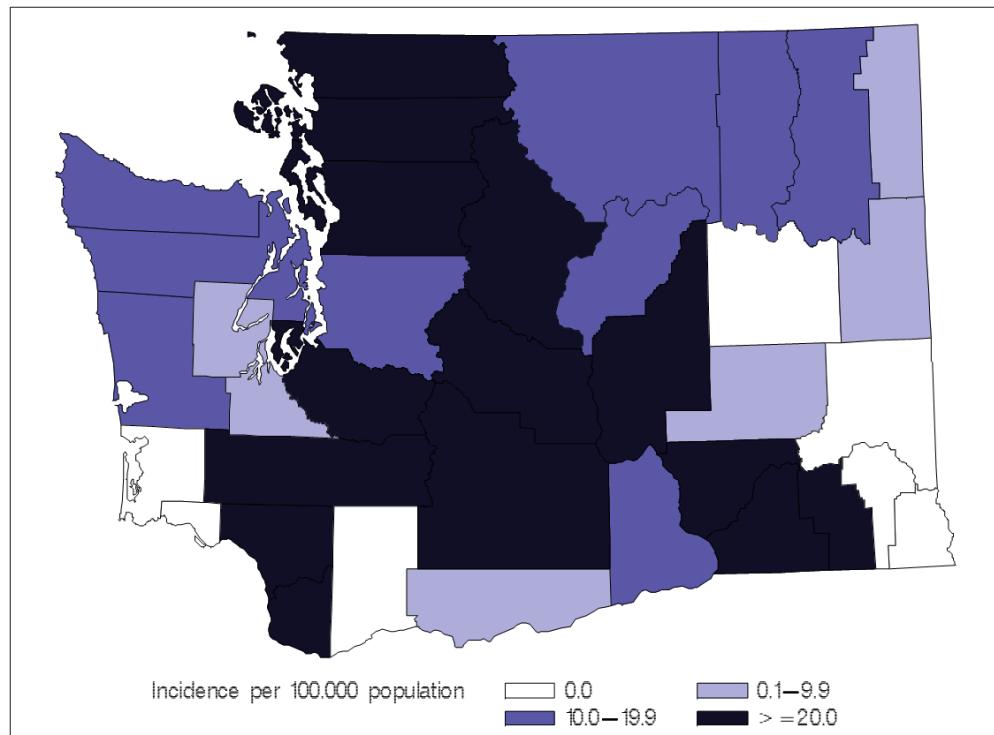


Table 3. Cumulative number of confirmed and probable pertussis cases reported in WA State by 2012 LHJ notification week (through 7/14)

Notification Week	Cumulative Number of 2012 Cases	Number of New Cases
1	1	1
2	8	7
3	30	22
4	68	38
5	118	50
6	183	65
7	261	78
8	322	61
9	397	75
10	493	96
11	595	102
12	693	98
13	794	101
14	901	107
15	1,014	113
16	1,187	173
17	1,378	191
18	1,578	200
19	1,787	209
20	2,041	254
21	2,233	192
22	2,388	155
23	2,561	173
24	2,691	130
25	2,807	116
26	2,911	104
27	2,973	62
28	3,014	41

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
20	5/21	1,738
21	5/29	1,947
22	6/4	2,092
23	6/11	2,325
24	6/18	2,520
25	6/25	2,647
26	7/2	2,786
27	7/9	2,883

*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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