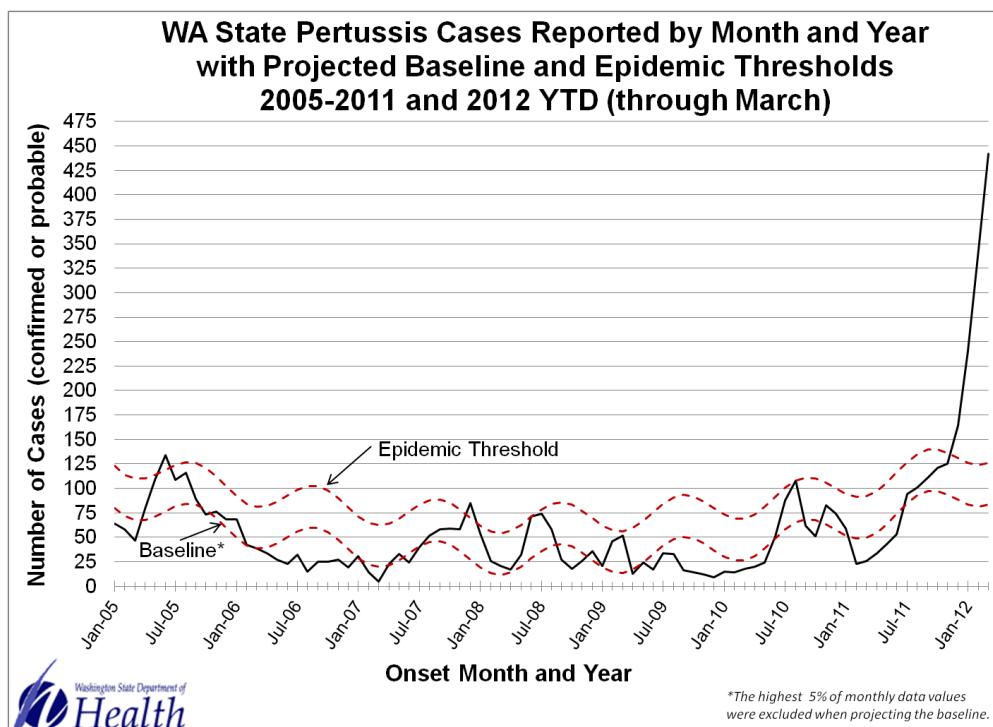
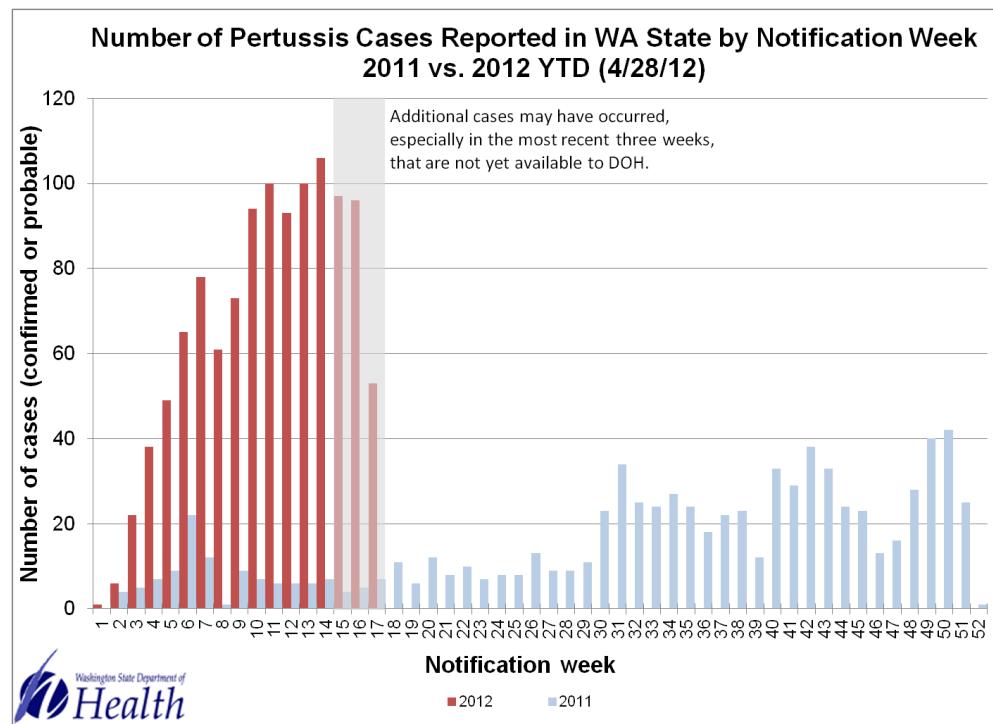


Weekly pertussis update for Washington State

2012 year to date (YTD) confirmed and probable cases reported through 4/28/2012 (week 17)

This update summarizes reports of pertussis in persons with 2012 onsets received by local health jurisdictions (LHJs) during weeks 1-17, 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 1,132 cases reported statewide through week 17, compared to 117 reported cases in 2011 during the same time period. Dates for the 2011/2012 comparison were based on LHJ notification date.



- Twelve counties have reported no pertussis activity in 2012.
- Among the twenty-seven counties with pertussis activity, the number of pertussis cases reported in a given county so far this year ranges from 1 to 234, and the rate of disease in a given county ranges from 1.1 to 196.1 per 100,000 persons year to date (see Table 1).
 - The median and mean county rates in counties reporting pertussis activity are 11.7 and 23.1 per 100,000 persons year to date, respectively.
- The overall incidence rate year to date is 16.8 pertussis cases per 100,000 Washington residents and the rate of disease in infants under one year of age, 88.1 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 51.4 per 100,000 persons with a rate in infants of 269.5 per 100,000 should this trend continue throughout 2012. Seventy-eight infants under one year of age were reported as having whooping cough and twenty of them were hospitalized. Of those hospitalized, sixteen (80%) were very young (three months of age or younger).

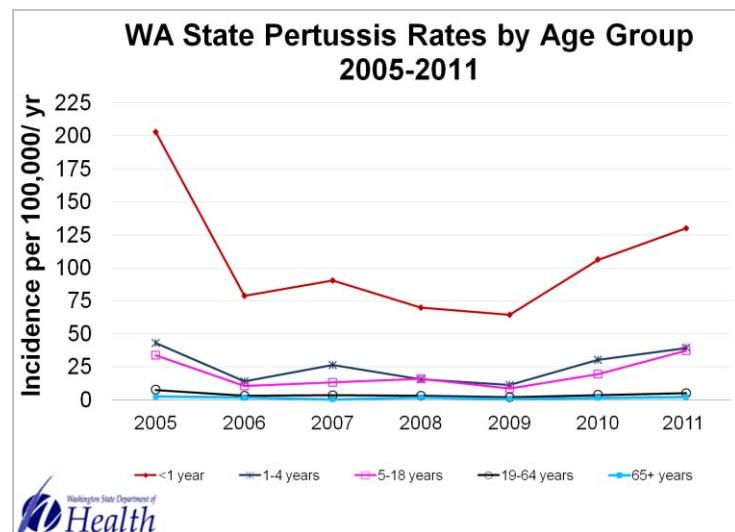
Table 1. WA State pertussis cases by county, 2012 YTD

| County | 2010 OFM Population | Number of Cases | Rate per 100,000 persons |
|--------------|---------------------|-----------------|--------------------------|
| Benton | 172,900 | 21 | 12.1 |
| Chelan | 73,300 | 2 | 2.7 |
| Clallam | 70,100 | 5 | 7.1 |
| Clark | 435,600 | 84 | 19.3 |
| Cowlitz | 100,000 | 39 | 39.0 |
| Douglas | 38,500 | 3 | 7.8 |
| Franklin | 75,500 | 18 | 23.8 |
| Grant | 87,700 | 1 | 1.1 |
| Grays Harbor | 71,600 | 3 | 4.2 |
| Island | 81,100 | 16 | 19.7 |
| Jefferson | 29,300 | 21 | 71.7 |
| King | 1,933,400 | 125 | 6.5 |
| Kitsap | 248,300 | 30 | 12.1 |
| Kittitas | 40,500 | 19 | 46.9 |
| Lewis | 75,600 | 15 | 19.8 |
| Mason | 57,100 | 3 | 5.3 |
| Okanogan | 40,900 | 2 | 4.9 |
| Pierce | 814,600 | 147 | 18.0 |
| San Juan | 16,500 | 1 | 6.1 |
| Skagit | 119,300 | 234 | 196.1 |
| Snohomish | 711,100 | 229 | 32.2 |
| Spokane | 470,300 | 5 | 1.1 |
| Stevens | 44,300 | 2 | 4.5 |
| Thurston | 252,400 | 10 | 4.0 |
| Walla Walla | 59,600 | 7 | 11.7 |
| Whatcom | 195,500 | 78 | 39.9 |
| Yakima | 239,100 | 12 | 5.0 |

Note. Counties with no reported cases classified as confirmed or probable, 2012: Adams, 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 | 78 | 88.1 | 6.9% |
| 1-4 | 355,275 | 139 | 39.1 | 12.3% |
| 5-9 | 432,656 | 239 | 55.2 | 21.1% |
| 10-13 | 346,396 | 280 | 80.8 | 24.7% |
| 14-18 | 454,703 | 198 | 43.5 | 17.5% |
| 19-24 | 577,706 | 37 | 6.4 | 3.3% |
| 25-44 | 1,830,703 | 85 | 4.6 | 7.5% |
| 45-64 | 1,823,910 | 56 | 3.1 | 4.9% |
| 65+ | 823,357 | 20 | 2.4 | 1.8% |
| All ages | 6,733,250 | 1,132 | 16.8 | |



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

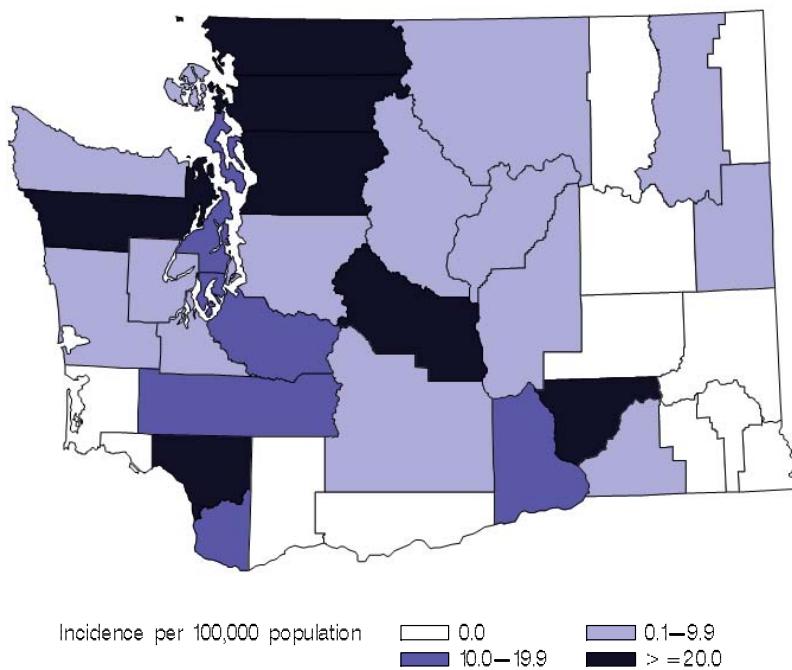


Table 3. Cumulative number of confirmed and probable pertussis cases reported in WA State by 2012 LHJ notification week (through 4/28)

| 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 | 587 | 100 |
| 12 | 680 | 93 |
| 13 | 780 | 100 |
| 14 | 886 | 106 |
| 15 | 983 | 97 |
| 16 | 1,079 | 96 |
| 17 | 1,132 | 53 |

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 |

*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.