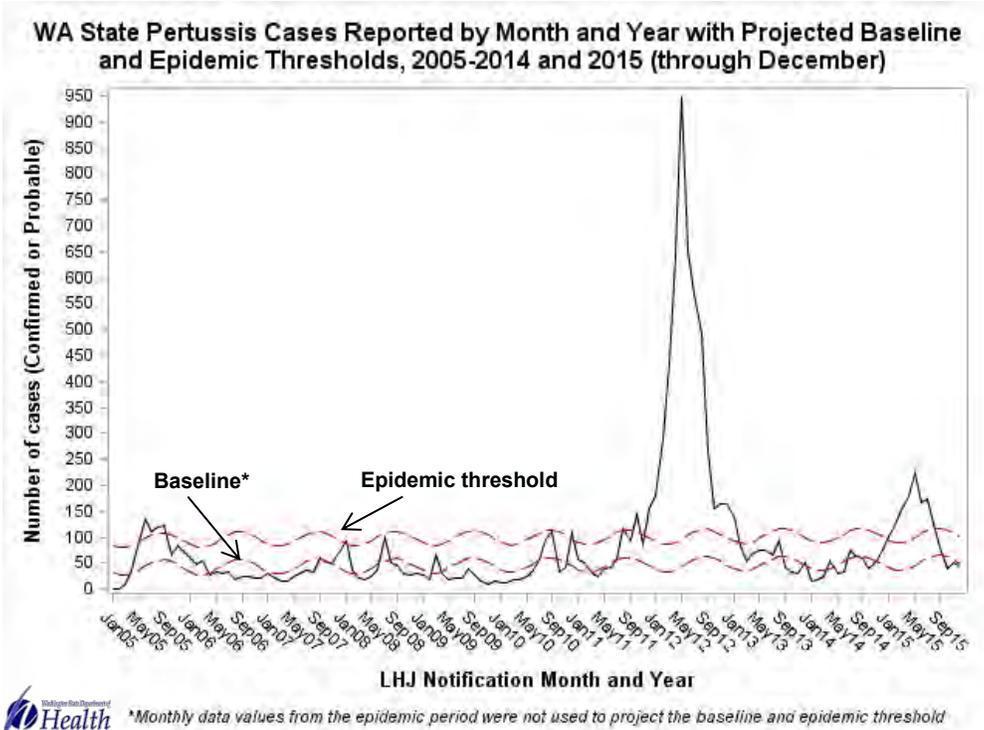
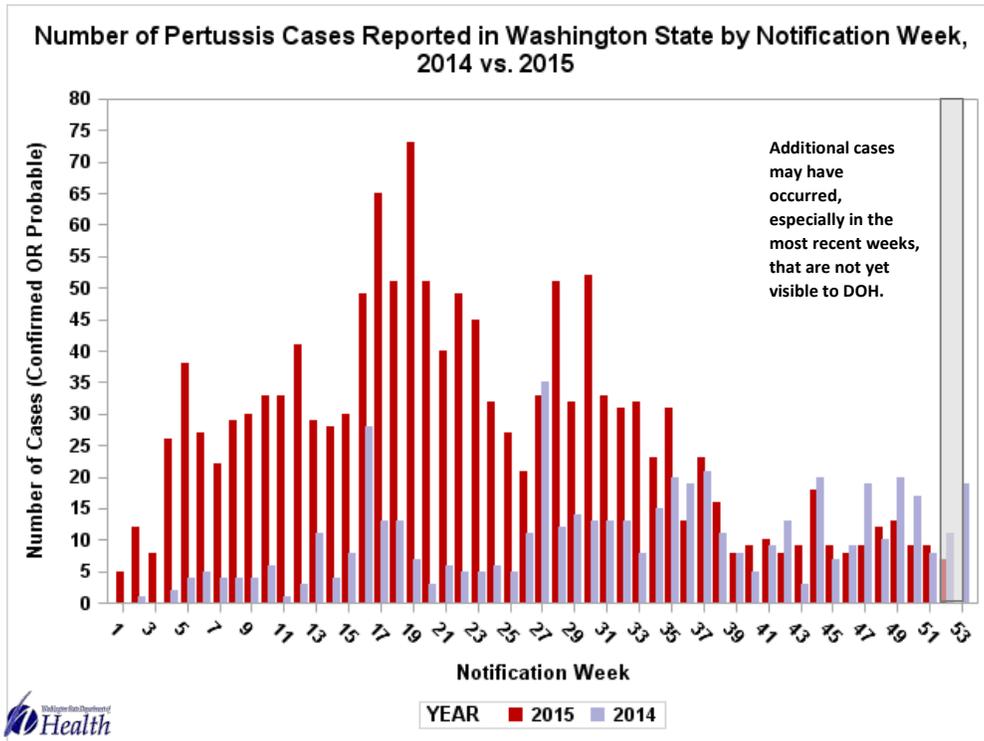


Preliminary 2015 Pertussis Summary for Washington State

2015 confirmed and probable cases

This preliminary summary describes pertussis in Washington residents with 2015 onsets received by local health jurisdictions (LHJs), 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. This report will be finalized in May 2016.

- There have been a total of 1,402 cases reported statewide, compared to 601 reported cases in 2014. Dates for the 2014/2015 comparison were based on LHJ notification date.



- Six counties reported no pertussis activity in 2015.
- Among the thirty-three counties with pertussis activity, the number of pertussis cases reported in a given county ranged from 1 to 338, and the rate of disease in a given county ranged from 1.3 to 105.8 per 100,000 persons (see Table 1).
 - The median and mean county rates in counties reporting pertussis activity were 11.2 and 21.9 per 100,000 persons, respectively.
- The overall incidence was 20.8 pertussis cases per 100,000 Washington residents with a rate in infants under one year of age of 117.5 per 100,000 (see Table 2). One hundred and four infants under one year of age were reported as having whooping cough and twenty-one of them were hospitalized. Of these hospitalized infants, sixteen (76%) were three months of age or younger.

Table 1. WA State pertussis cases by county, 2015

| County | 2010 OFM Population | Number of cases | Rate per 100,000 persons |
|--------------|---------------------|-----------------|--------------------------|
| Adams | 18,300 | 1 | 5.5 |
| Asotin | 21,700 | 1 | 4.6 |
| Benton | 172,900 | 4 | 2.3 |
| Chelan | 73,300 | 4 | 5.5 |
| Clallam | 70,100 | 4 | 5.7 |
| Clark | 435,600 | 338 | 77.6 |
| Columbia | 4,150 | 3 | 72.3 |
| Cowlitz | 100,000 | 25 | 25.0 |
| Douglas | 38,500 | 1 | 2.6 |
| Franklin | 75,500 | 1 | 1.3 |
| Grant | 87,700 | 14 | 16.0 |
| Grays Harbor | 71,600 | 8 | 11.2 |
| Island | 81,100 | 17 | 21.0 |
| Jefferson | 29,300 | 31 | 105.8 |
| King | 1,933,400 | 211 | 10.9 |
| Kitsap | 248,300 | 109 | 43.9 |
| Kittitas | 40,500 | 6 | 14.8 |
| Klickitat | 20,500 | 5 | 24.4 |
| Lewis | 75,600 | 16 | 21.2 |
| Mason | 57,100 | 4 | 7.0 |
| Pacific | 22,100 | 10 | 45.3 |
| Pend Oreille | 13,100 | 1 | 7.6 |
| Pierce | 814,600 | 156 | 19.2 |
| Skagit | 119,300 | 5 | 4.2 |
| Skamania | 10,900 | 1 | 9.2 |
| Snohomish | 711,100 | 244 | 34.3 |
| Spokane | 470,300 | 44 | 9.4 |
| Stevens | 44,300 | 1 | 2.3 |
| Thurston | 252,400 | 30 | 11.9 |
| Walla Walla | 59,600 | 37 | 62.1 |
| Whatcom | 195,500 | 58 | 29.7 |
| Whitman | 43,600 | 2 | 4.6 |
| Yakima | 239,100 | 10 | 4.2 |

Note. Counties with no reported cases classified as confirmed or probable, 2015 YTD: Ferry, Garfield, Lincoln, Okanogan, San Juan, and Wahkiakum.

Table 2. WA State pertussis cases by age group, 2015

| Age Group (years) | 2010 OFM Population | Number of Cases | Rate per 100,000 persons | % cases by age group |
|-------------------|---------------------|-----------------|--------------------------|----------------------|
| <1 | 88,544 | 104 | 117.5 | 7.4 |
| 1-4 | 355,275 | 176 | 49.5 | 12.6 |
| 5-9 | 432,656 | 228 | 52.7 | 16.3 |
| 10-13 | 346,396 | 250 | 72.2 | 17.8 |
| 14-18 | 454,703 | 420 | 92.4 | 30.0 |
| 19-24 | 577,706 | 28 | 4.9 | 2.0 |
| 25-44 | 1,830,703 | 91 | 5.0 | 6.5 |
| 45-64 | 1,823,910 | 83 | 4.6 | 5.9 |
| 65+ | 823,357 | 22 | 2.7 | 1.6 |
| All ages | 6,733,250 | 1402 | 20.8 | . |

