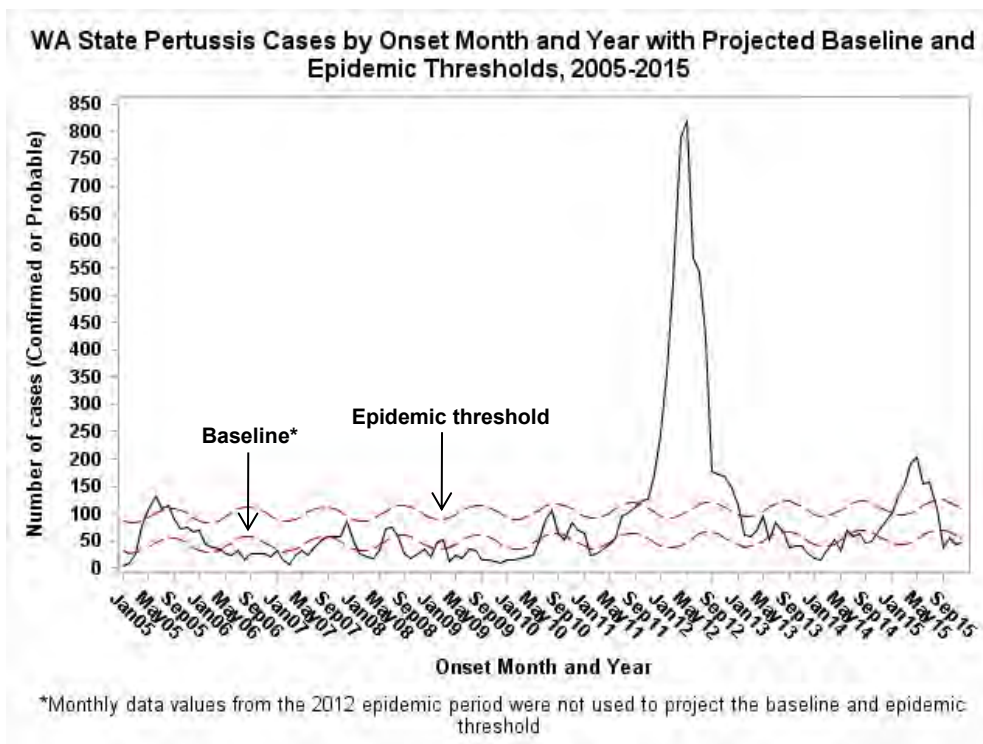
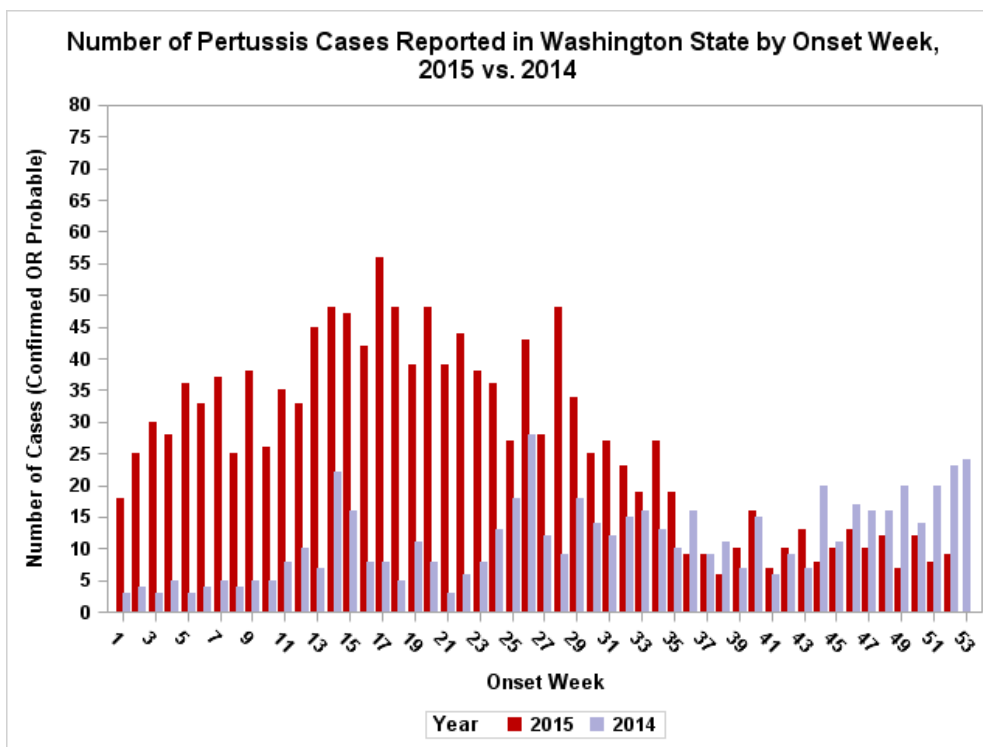


Pertussis in Washington State - 2015

2015 confirmed and probable cases

This summary includes reported pertussis cases 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.

- A total of 1,383 cases were reported statewide, compared to 601 reported cases in 2014. Dates for the 2015/2014 comparison were based on onset date.



- Six counties reported no pertussis activity in 2015.
- Among the thirty-three counties with pertussis activity, the number of pertussis cases reported ranged from 1 to 322, and the rate of disease ranged from 1.2 to 97.2 per 100,000 persons in any given county (see Table 1).
 - The median and mean rates in counties that reported pertussis activity was 12.0 and 21.2 per 100,000 persons, respectively.
- The overall incidence was 19.6 pertussis cases per 100,000 Washington residents with a rate in infants under one year of age of 119.4 per 100,000 (see Table 2). One hundred and five infants under one year of age were reported as having whooping cough and twenty-one of them were hospitalized. Sixteen (76%) of these hospitalized infants, were three months of age or younger.

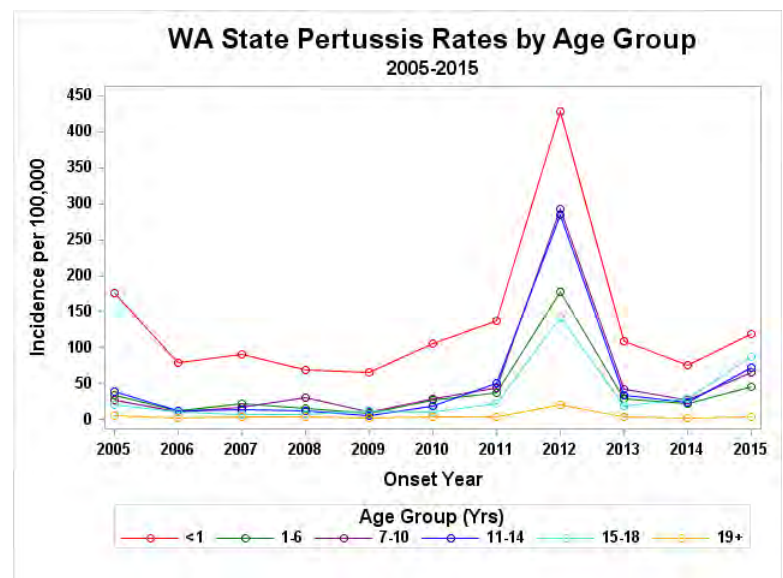
Table 1. WA pertussis cases by county, 2015

County	2015 OFM Population	Number of cases	Rate per 100,000 persons
Adams	19,410	1	5.2
Asotin	22,010	1	4.5
Benton	188,590	4	2.1
Chelan	75,030	5	6.7
Clallam	72,650	4	5.5
Clark	451,820	322	71.3
Columbia	4,090	3	73.4
Cowlitz	104,280	24	23.0
Douglas	39,990	1	2.5
Franklin	87,150	1	1.2
Grant	93,930	14	14.9
Grays Harbor	73,110	10	13.7
Island	80,600	17	21.1
Jefferson	30,880	30	97.2
King	2,052,800	210	10.2
Kitsap	258,200	95	36.8
Kittitas	42,670	7	16.4
Klickitat	21,000	5	23.8
Lewis	76,660	16	20.9
Mason	62,200	4	6.4
Pacific	21,210	10	47.2
Pend Oreille	13,240	1	7.6
Pierce	830,120	157	18.9
Skagit	120,620	5	4.2
Skamania	11,430	1	8.8
Snohomish	757,600	244	32.2
Spokane	488,310	48	9.8
Stevens	44,030	1	2.3
Thurston	267,410	32	12.0
Walla Walla	60,650	37	61.0
Whatcom	209,790	61	29.1
Whitman	47,250	2	4.2
Yakima	249,970	10	4.0

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

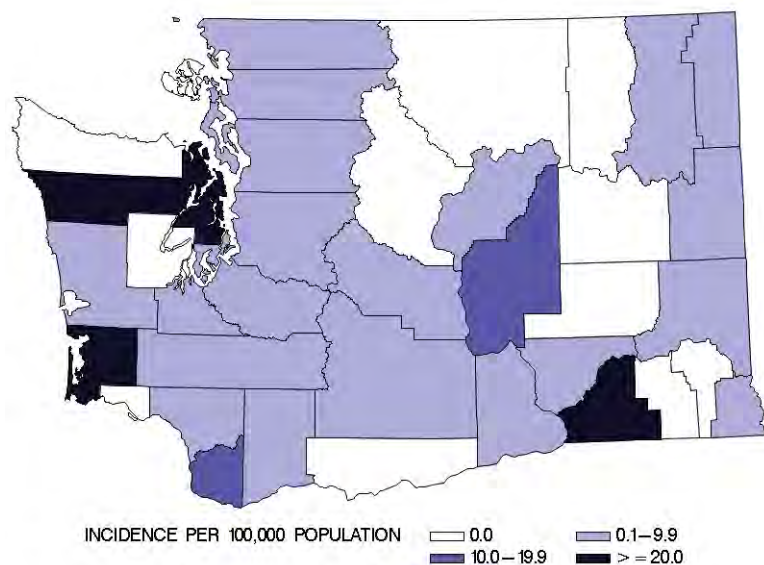
Table 2. WA pertussis cases by age group, 2015

Age Group (years)	2015 OFM Population	Number of Cases	Rate per 100,000 persons	% cases by age group
<1	87,950	105	119.4	7.6
1-4	352,381	180	51.1	13.0
5-9	453,189	227	50.1	16.4
10-13	351,139	244	69.5	17.6
14-18	447,502	402	89.8	29.1
19-24	571,239	29	5.1	2.1
25-44	1,891,305	92	4.9	6.7
45-64	1,879,041	82	4.4	5.9
65+	1,027,664	22	2.1	1.6
All ages	7,061,410	1,383	19.6	.

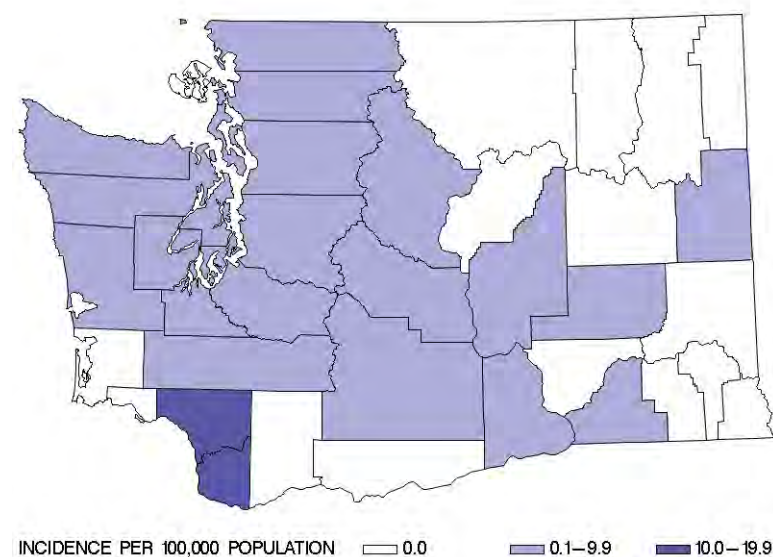


Pertussis Incidence by County and Quarter of Onset. Washington State, 2015

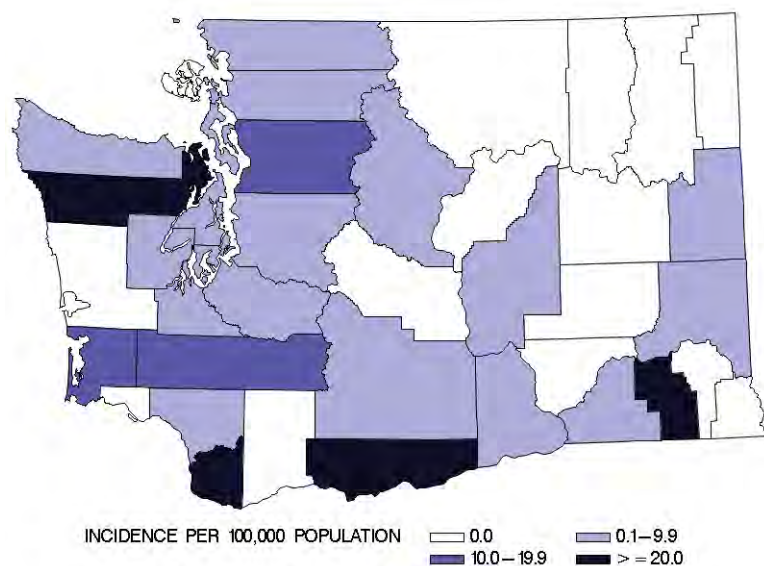
Quarter 1: January – March



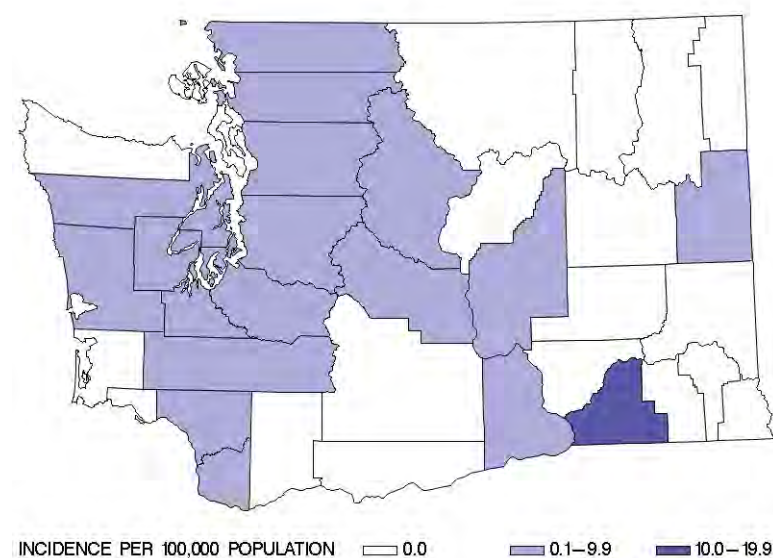
Quarter 3: July – September



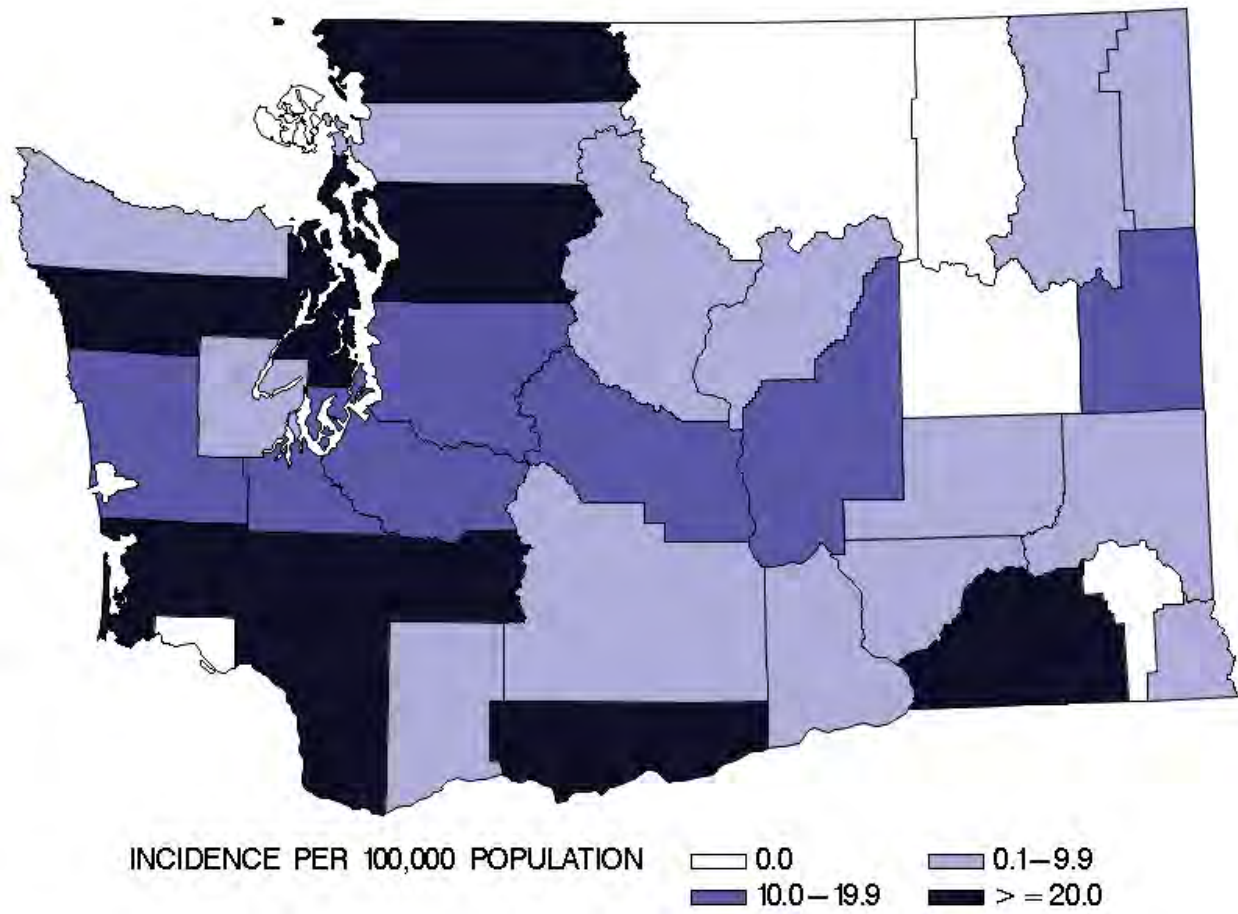
Quarter 2: April – June



Quarter 4: October – December



Cumulative Incidence of pertussis cases by County. Washington State, 2015



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