



Technical Bulletin

Leptospirosis Update

LEPTOSPIROSIS STATISTICS in the Northwest

These statistics are for January through December 2009. A total of 273 samples were submitted - 264 dogs, one cougar, two llamas, two black bear, and three horses. 19 paired samples were submitted thus there were 254 individual animals for which leptospirosis titers were submitted.

Positive results were titers greater than or equal to 1:800 or a four-fold rise in titer on paired samples. There were 40 positive samples, three diagnosed on paired titers, 37 on a single titer. One llama had a positive titer for leptospirosis, the other 39 cases were dogs.

Most common serovars in animals considered positive for infection (percentages do not add up to 100% as some positive cases had multiple titers that were equal):

L. autumnalis	70%
L. bratislava	20%
L. canicola	5%
L. grippotyphosa	20%
L. icterohemorrhagica	5%
L. pomona	10%

Percentage of times serovar was positive with titers of 1:800 or more:

L. autumnalis	70%
L. bratislava	32.5%
L. canicola	10%
L. grippotyphosa	20%
L. icterohemorrhagica	15%
L. pomona	40%

We also tracked the monthly occurrence of leptospirosis cases – percentage of cases that were considered positive at 1:800 or greater:

January	25%	February	5%	March	10%
April	7.5%	May	10%	June	7.5%
July	12.5%	August	7.5%	September	2.5%
October	0%	November	2.5%	December	10%

Location of clinics with positive cases: **Three cases:** Olympia, Woodinville, Port Orchard, Kirkland. **Two cases:** Lynnwood, Vashon Island, Tacoma, Edmonds. **One case:** Puyallup, Friday Harbor, Spanaway, Tumwater, Seaview, Kenmore, Bainbridge Island, Enumclaw, Port Hadlock, Issaquah, Everett, Seattle, Stanwood, Newcastle, Olympia, Snohomish, Buckley, Bellingham, Renton, Duvall.