



LEPTOSPIROSIS STATISTICS

These statistics are for the fourth quarter of 2005. High positive titers were found in dogs from Vashon Island, King, Thurston, Kitsap, Pierce, Snohomish, Whatcom and Grays Harbor.

99 samples were submitted - all were dogs. **10 samples** from Vashon Island have already been reported separately to you. These statistics are based on the remaining **89 samples** from the fourth quarter.

Among the 89 were 6 paired sample sets. Among these pairs 2 sets showed a rising titer, 1 set showed a falling titer and 3 showed no significant change in titer.

The following apply to dog samples only:

58% (51) had negative titers.

42% (38) had positive titers.

Of the positive titers (38 dogs total):

27 had 1:100-1:400 titers. (Titers of this magnitude are compatible with vaccination, recent infection or passive transfer.)

13 had a single positive serovar

14 had multiple positive serovars

11 had 1:800 or greater titers. (Titers of this magnitude are supportive of current infection.)

0 had a single positive serovar

11 had multiple positive serovars

Most common highest serovars in dogs considered positive for infection:

L. autumnalis 54%

L. bratislava 27%

L. canicola 1%

L. pomona 18%

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

L. autumnalis 91%

L. bratislava 64%

L. canicola 45%

L. grippityphosa 36%

L. hardjo 18%

L. icterohemorrhagiae 55%

L. pomona 73%

In a survey of high positive titers, we found that the majority of dogs responded to treatment with penicillins and doxycycline. As for the positive dogs, including the ones from Vashon, only one has been euthanized, 2 lost to follow-up and the others are alive.

REMINDER 1: If you are sending in a paired sample, please write that on the Test Request (TR) Form when submitting your second sample. If this is noted, there is no charge for the second sample.

REMINDER 2: If you are sending in a sample and suspect Leptospirosis, please note this on the TR form.