



LEPTOSPIROSIS STATISTICS

These statistics are for the third quarter of 2005. High positive titers were found in dogs from Kitsap, Island, King, Snohomish and Spokane counties.

99 samples were submitted - 91 were dogs, 5 were cats and 3 were horses. All cat samples were negative except for one with a 1:100 positive titer for *L. bratislava*.

Among the 99 were 7 paired sample sets (all dogs). Among these pairs one set showed a rising titer, 2 sets showed a falling titer and 4 showed no significant change in titer.

The following apply to dog samples only:

66% (60) had negative titers.

34% (31) had positive titers.

Of the positive titers (31 dogs total):

25 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

12 had multiple positive serovars

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

0 had a single positive serovar

6 had multiple positive serovars

Most common highest serovars in dogs considered positive for infection:

<i>L. autumnalis</i>	50%
<i>L. bratislava</i>	25%
<i>L. pomona</i>	12.5%
<i>L. canicola</i>	12.5%

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

<i>L. autumnalis</i>	100%
<i>L. bratislava</i>	100%
<i>L. canicola</i>	33%
<i>L. grippityphosa</i>	50%
<i>L. hardjo</i>	16.7%
<i>L. icterohemorrhagiae</i>	33%
<i>L. pomona</i>	100%

In a survey of high positive titers, we found that the majority of dogs responded to treatment with penicillins and doxycycline. The most common blood work abnormalities that prompted testing continue to be low platelets, BUN/Creatinine elevations and increased liver enzyme concentrations.

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.