Appendix 4

Table 3.1.3: Association between bovine brucellosis infection and localities:

	Value	df	Sig. (2-sided)
Pearson Chi-Square	3.963	4	.411
Likelihood Ratio	4.051	4	.399
Linear-by-Linear Association	1.105	1	.293
N of Valid Cases	300		

Table 3.2.3: Association between bovine brucellosis infection and age:

	Value	df	Sig. (2-sided)
Pearson Chi-Square	1.653	2	.438
Likelihood Ratio	2.018	2	.364
Linear-by-Linear Association	.494	1	.482
N of Valid Cases	300		

Table 3.3.3: Association between bovine brucellosis infection and sex:

	Value	df	Sig. (2-sided)
Pearson Chi-Square	.695	1	.404
Likelihood Ratio	1.191	1	.275
Linear-by-Linear Association	.693	1	.405
N of Valid Cases	300		

Table 3.4.3: Association between bovine brucellosis infection and body condition:

	Value	df	Sig. (2-sided)

Pearson Chi-Square	.361	1	.548
Likelihood Ratio	.379	1	.538
Linear-by-Linear Association	.359	1	.549
N of Valid Cases	300		

Table 3.5.3: Association between brucellosis infection and breed:

	Value	df	Sig. (2-sided)
Pearson Chi-Square	1.046	2	.593
Likelihood Ratio	1.567	2	.457
Linear-by-Linear Association	.039	1	.843
N of Valid Cases	300		

Table 3.6.3: Association between brucellosis and number of parity:

	Value	df	Sig.(2-sided)
Pearson Chi-Square	.918	3	.821
Likelihood Ratio	.899	3	.826
Linear-by-Linear Association	.250	1	.617
N of Valid Cases	298		

Table 3.7.3: Association between brucella infection and presence of dogs:

	Value	df	Sig.(2-sided)
Pearson Chi-Square	.225	1	.636
Likelihood Ratio	.223	1	.636

	Value	df	Sig.(2-sided)
Linear-by-Linear Association	.224	1	.636
N of Valid Cases	300		

Table 3.8.3: Association between brucellosis and disposal of placenta:

	Value	df	Sig.(2-sided)
Pearson Chi-Square	.897	1	.344
Likelihood Ratio	.889	1	.346
Linear-by-Linear Association	.894	1	.344
N of Valid Cases	300		

Table 3.9.3: Association between brucellosis and herd size:

	Value	df	Sig. (2-sided)
Pearson Chi-Square	.108	1	.742
Likelihood Ratio	.108	1	.742
Linear-by-Linear Association	.108	1	.743
N of Valid Cases	300		

Table 3.10.3: Association between brucellosis and production type:

	Value	df	Sig.(2-sided)
Pearson Chi-Square	2.475	1	.116
Likelihood Ratio	4.210	1	.040
Linear-by-Linear Association	2.467	1	.116

N of Valid Cases	300		

Table 3.11.3: Association between brucellosis and Breeding method:

	Value	df	Sig.(2-sided)
Pearson Chi-Square	5.478	2	.065
Likelihood Ratio	5.505	2	.064
Linear-by-Linear Association	5.365	1	.021
N of Valid Cases	300		

Table 3.12.3: Association between brucellosis and milking method:

	Value	df	Sig.(2-sided)
Pearson Chi-Square	3.976	1	.046
Likelihood Ratio	4.401	1	.036
Linear-by-Linear Association	3.963	1	.047
N of Valid Cases	300		

Table 3.13.3: Association between brucellosis and Water source:

	Value	df	Sig.(2-sided)
Pearson Chi-Square	.079	1	.779
Likelihood Ratio	.079	1	.779
Linear-by-Linear Association	.079	1	.779
N of Valid Cases	300		

Table 3.14.3: Association between brucellosis and Veterinary Service:

	Value	df	Sig. (2-sided)
Pearson Chi-Square	3.253	1	.071
Likelihood Ratio	3.194	1	.074
Linear-by-Linear Association	3.243	1	.072
N of Valid Cases	300		

Table 3.15.3: Association between brucellosis and waste disposal:

	Value	df	Sig.(2-sided)
Pearson Chi-Square	.458	1	.499
Likelihood Ratio	.451	1	.502
Linear-by-Linear Association	.457	1	.499
N of Valid Cases	300		

Table 3.16.3: Association between brucellosis and Separate Pen for Calving:

	Value	df	Sig. (2-sided)
Pearson Chi-Square	.002	1	.965
Likelihood Ratio	.002	1	.965
Linear-by-Linear Association	.002	1	.965
N of Valid Cases	300		

Table 3.17.3: Association between brucellosis and Using Shared Male for Breeding:

	Value	df	Sig. (2-sided)
Pearson Chi-Square	1.892	1	.169
Likelihood Ratio	1.880	1	.170
Linear-by-Linear Association	1.886	1	.170
N of Valid Cases	300		

Table 3.18.3: Association between brucellosis and History of Abortion:

	Value	df	Sig. (2-sided)
Pearson Chi-Square	.148	1	.701
Likelihood Ratio	.147	1	.701
Linear-by-Linear Association	.147	1	.701
N of Valid Cases	300		

Table 3.19.3: Association between brucellosis and History of Retain placenta:

	Value	df	Sig. (2-sided)
Pearson Chi-Square	1.374	1	.241
Likelihood Ratio	1.382	1	.240
Linear-by-Linear Association	1.370	1	.242
N of Valid Cases	300		