

Appendix 3

Chi-Square tables for distribution of 388 sheep examined for brucellosis according to potential risk factors

Governorate		df	P-value
Pearson Chi-Square	.492 ^a	2	.782
Likelihood Ratio	.440	2	.802
Fisher's Exact Test	.809		
Linear-by-Linear Association	.367 ^c	1	.544
N of Valid Cases	388		

Locality		df	P-value
Pearson Chi-Square	3.835 ^a	4	.429
Likelihood Ratio	6.115	4	.191
Fisher's Exact Test	3.956		
Linear-by-Linear Association	3.636 ^c	1	.057
N of Valid Cases	388		

Occupation		df	P-value
Pearson Chi-Square	1.110 ^a	2	.574
Likelihood Ratio	1.147	2	.564
Fisher's Exact Test	1.013		
Linear-by-Linear Association	.512 ^c	1	.474
N of Valid Cases	388		

Education		df	P-value
Pearson Chi-Square	5.432 ^a	4	.246
Likelihood Ratio	7.258	4	.123
Fisher's Exact Test	4.308		
Linear-by-Linear Association	.472 ^c	1	.492
N of Valid Cases	388		

Age		df	P-value
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Pearson Chi-Square	.639a	3	.888
Likelihood Ratio	.713	3	.870
Fisher's Exact Test	2.591		
Linear-by-Linear Association	.442c	1	.506
N of Valid Cases	388		

Sex		df	P-value
Pearson Chi-Square	.076a	1	.783
Continuity Correction ^b	.000	1	1.000
Likelihood Ratio	.082	1	.775
Fisher's Exact Test			
Linear-by-Linear Association	.076c	1	.783
N of Valid Cases	388		

Type of herd		df	P-value
Pearson Chi-Square	.003a	1	.957
Continuity Correction ^b	.000	1	1.000
Likelihood Ratio	.003	1	.957
Fisher's Exact Test			
Linear-by-Linear Association	.003c	1	.957

N of Valid Cases	388		
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Breed source		df	P-value
Pearson Chi-Square	3.369 ^a	2	.185
Likelihood Ratio	2.652	2	.266
Fisher's Exact Test	3.057		
Linear-by-Linear Association	3.012 ^c	1	.083
N of Valid Cases	388		

Know brucellosis		df	P-value
Pearson Chi-Square	.136 ^a	1	.713
Continuity Correction ^b	.001	1	.975
Likelihood Ratio	.133	1	.716
Fisher's Exact Test			
Linear-by-Linear Association	.135 ^c	1	.713
N of Valid Cases	388		

Abortion cases		df	P-value
Pearson Chi-Square	6.654 ^a	1	.010
Continuity Correction ^b	5.104	1	.024
Likelihood Ratio	7.616	1	.006
Fisher's Exact Test			
Linear-by-Linear Association	6.637 ^c	1	.010
N of Valid Cases	388		

Source of green fodder		df	P-value
Pearson Chi-Square	4.826 ^a	2	.090
Likelihood Ratio	7.317	2	.026
Fisher's Exact Test	5.396		
Linear-by-Linear Association	4.681 ^c	1	.030
N of Valid Cases	388		

		df	P-value

Water source			
Pearson Chi-Square	5.077 ^a	2	.079
Likelihood Ratio	8.152	2	.017
Fisher's Exact Test	6.067		
Linear-by-Linear Association	4.109 ^c	1	.043
N of Valid Cases	388		

Herd size		df	P-value
Pearson Chi-Square	.707 ^a	1	.401
Continuity Correction ^b	.191	1	.662
Likelihood Ratio	.635	1	.426
Fisher's Exact Test			
Linear-by-Linear Association	.705 ^c	1	.401
N of Valid Cases	388		