

## Appendix 2

### 3.1.1 Distribution of serum sample of brucellosis by the localities in Khartoum state

	Frequency	Percent	Cumulative Percent
Valid			
Nile East	122	40.7	40.7
Bahry	66	22.0	62.7
Khartoum	37	12.3	75.0
Omdurman	28	9.3	84.3
Ombada	47	15.7	100.0
Total	300	100.0	

**Table 3.2.1: Frequency table which determined distribution of the age:**

	Frequency	Percent	Cumulative Percent
Valid			
<3 years	11	3.7	3.7
3_6 Years	161	53.7	57.3
>6 Years	128	42.7	100.0
Total	300	100.0	

**Table 3.3.1: Frequency table which determined distributiion of sex:**

	Frequency	Percent	Cumulative Percent
Valid			
Male	2	.7	.7
Female	298	99.3	100.0
Total	300	100.0	

**Table 3.4.1: Frequency table which determined distributiion of body condition:**

	Frequency	Percent	Cumulative percent
Valid			
Good	280	93.3	93.7
Poor	20	6.7	100.0
Total	300	100.0	

**Table 3.5.1: Frequency table which determined distributiion of breed:**

	Frequency	Percent	Cumulative Percent
Valid			
Local	11	3.7	3.7
Cross	287	95.7	99.3
Exotic	2	.7	100.0
Total	300	100.0	

**Table 3.6.1: Frequency table which determined distribution of numbers of parity:**

	Frequency	Percent	Cumulative Percent
Valid			
Null	6	2.0	2.0
<4 Parity	178	59.7	61.7
4_7 Parity	103	34.6	96.3
>7 Parity	11	3.7	100.0
Total	298	100.0	

**Table 3.7.1: Frequency table which determined distribution of presence of dogs:**

	Frequency	Percent	Cumulative Percent
Valid			
No	114	38.0	38.0
Yes	186	62.0	100.0
Total	300	100.0	

**Table 3.8.1: Frequency table which determined distribution of disposal of placenta:**

	Frequency	Percent	Cumulative percent
Valid			
Yes	115	38.3	38.3
No	185	61.7	100.0
Total	300	100.0	

**Table 3.9.1: Frequency table which determined distribution of herd size:**

	Frequency	Percent	Cumulative Percent
Valid			
Small ( $\leq 30$ )	151	50.3	50.3
Large ( $> 30$ )	149	49.7	100.0
Total	300	100.0	

**Table 3.10.1: Frequency table which determined distribution of production type:**

	Frequency	Percent	Cumulative Percent
Valid			
Mixed	7	2.3	2.3
Dairy	293	97.7	100.0
Total	300	100.0	

**Table 3.11.1: Frequency table which determined distribution of breeding method:**

	Frequency	Percent	Cumulative Percent
Valid			
Both	56	18.7	18.7
Natural	222	74.0	92.7
Artificial	22	7.3	100.0
Total	300	100.0	

**Table 3.12.1: Frequency table which determined distribution of Milking method:**

	Frequency	Percent	Cumulative Percent
Valid			
Manual	251	83.7	83.7
Machine	49	16.3	100.0
Total	300	100.0	

**Table 3.13.1: Frequency table which determined distribution of Water source:**

	Frequency	Percent	Cumulative Percent
Valid			
Tap Water	191	63.7	63.7
Underground water	109	36.3	100.0
Total	300	100.0	

**Table 3.14.1: Frequency table which determined distribution of Veterinary Service:**

	Frequency	Percent	Cumulative Percent
Valid			
Present	193	64.3	64.3
Abscent	107	35.7	100.0
Total	300	100.0	

**Table 3.15.1: Frequency table which determined distribution of waste disposal:**

	Frequency	Percent	Cumulative Percent
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Valid	Yes	223	74.3	74.3
	No	77	25.7	100.0
	Total	300	100.0	

**Table 3.16.1: Frequency table which determined distribution of presence and absence of Separate Pen for Calving:**

		Frequency	Percent	Cumulative Percent
Valid	Yes	8	2.7	2.7
	No	292	97.3	100.0
	Total	300	100.0	

**Table 3.17.1: Frequency table which determined distribution of Using Shared Male for Breeding:**

		Frequency	Percent	Cumulative Percent
Valid	No	172	57.3	57.3
	Yes	128	42.7	100.0
	Total	300	100.0	

**Table 3.18.1: Frequency table which determined distribution of History of Abortion:**

	Frequency	Percent	Cumulative Percent
Valid	No	177	59.0
	Yes	123	41.0
	Total	300	100.0

**Table 3.19.1: Frequency table which determined distribution of History of Retain placenta:**

	Frequency	Percent	Cumulative Percent
Valid	No	138	46.0
	Yes	162	54.0
	Total	300	100.0