

Animal Welfare Assessment at Four Dog Shelters in Central Uganda: A Cross-Sectional Study using the Shelter Quality® Protocol.

Additional file 1: SQP data collection checklists.

Table 2: Management checklist adopted from the Shelter Quality® Protocol.

SHELTER:		DATE:		ASSESSOR:	
GENERAL INFORMATION:					
Name of assessor			Date of assessment		
Shelter identification			Number of dogs in the shelter the day of the visit		
Number of hospitalized dogs the day of the visit			Number of entered in the previous solar year		
Number of dogs returned to the owner's in the previous solar year			Number of adopted dogs in the previous solar year		
Number of dogs returned after adoption in the previous solar year			Temperature the day of the visit (°C)		
Humidity (%)					
SOCIAL HOUSING					
N° of single pens			N° of pair pens		
N° of group (≤5) pens			N° of group (>5) pens		
Total N° of pens:					
EXERCISE					
Are dogs in an outdoor fenced area			☐ Daily (>3h)		☐ Daily (<3h)
			☐ Weekly		☐ No/ not regular
Are dogs walked on leash by shelter personnel or by volunteers			☐ Daily		☐ Weekly ☐ No/not regular
TRAINING AND REHABILITATION					
Presence of personnel trained for training with dogs					☐ yes ☐ no
Presence of personnel specialized in the rehabilitation of problematic dogs					☐ yes ☐ no
SURGERIES / PAIN CONTROL					
Presence of hospital pens					☐ yes ☐ no
Presence of operating procedures for post-surgical monitoring					☐ yes ☐ no
Presence of protocol for analgesia					☐ yes ☐ no
MORTALITY					
N° euthanasia (health problems) during the previous solar year			N° deaths (other than euthanasia) during the previous solar year		
N° euthanasia (behaviour problems) during the previous solar year			Mean dog shelter population		
FEEDING					
Type of diet:			Feeding regime:		
☐ dry pellets ☐ cooked ☐ wet/canned			☐ once/day ☐ twice/day ☐ ad libitum		

Special diets for puppies	☐ yes	☐ no	Special diets for hospitalized	☐ yes	☐ no
Special diet for geriatrics	☐ yes	☐ no			
NOTES					
Time assessment starts:			Time assessment ends:		

*N° stands for 'number of. Red fill represents measures that were not recorded due to lack of or inconsistent records.

Table 3: Check-list at pen and individual level adopted from the Shelter Quality® Protocol.

SHELTER			DAY:	ASSESSOR:			PEN ID			N° DOGS/PEN
RESOURCE BASED MEASURES AT PEN LEVEL				ANIMAL BASED MEASURES AT PEN LEVEL		ANIMAL-BASED MEASURES AT INDIVIDUAL LEVEL				
Dimensions	Length Width					Animal ID				
N° animals <20kg		Type of drinkers	☐ bowl/bucket ☐ automatic ☐ absent	N° animals panting		Age class	☐ young ☐ adult ☐ geriatric	☐ young ☐ adult ☐ geriatric	☐ young ☐ adult ☐ geriatric	☐ young ☐ adult ☐ geriatric
N° animals >20kg										
Sharp edges	☐ yes ☐ no	Works	☐ yes ☐ no	N° animals shivering/huddling		Fear/aggression test	0_no signs 1_only fear 2_defensive/ offensive aggression	0_no signs 1_only fear 2_defensive/ offensive aggression	0_no signs 1_only fear 2_defensive/ offensive aggression	0_no signs 1_only fear 2_defensive/ offensive aggression
Bedding type	☐ kennel ☐ basket ☐ other ☐ absent	Safe	☐ yes ☐ no	Signs of diarrhea	☐ yes ☐ no	Body condition	☐ adequate ☐ too thin ☐ too heavy	☐ adequate ☐ too thin ☐ too heavy	☐ adequate ☐ too thin ☐ too heavy	☐ adequate ☐ too thin ☐ too heavy
One bedding/dog	☐ yes ☐ no	Clean water	☐ yes ☐ no	Coughing	☐ yes ☐ no	Cleanliness	☐ clean ☐ dirty/wet	☐ clean ☐ dirty/wet	☐ clean ☐ dirty/wet	☐ clean ☐ dirty/wet
Safe	☐ yes ☐ no	Shelters from excessive sun	☐ yes ☐ no	Evidence of pain	☐ yes ☐ no	Skin condition	☐ wounds ☐ hair loss ☐ swelling ☐ ectoparasites ☐ absence of skin issues	☐ wounds ☐ hair loss ☐ swelling ☐ ectoparasites ☐ absence of skin issues	☐ wounds ☐ hair loss ☐ swelling ☐ ectoparasites ☐ absence of skin issues	☐ wounds ☐ hair loss ☐ swelling ☐ ectoparasites ☐ absence of skin issues
Dry/clear	☐ yes ☐ no	Shelter from strong wind	☐ yes ☐ no	Active repetitive behaviors(circling, pacing, spinning, wall bouncing etc)	☐ yes ☐ no	Lameness	0_absence of lameness 1_lame but still walks 2_lame and unable to walk	0_absence of lameness 1_lame but still walks 2_lame and unable to walk	0_absence of lameness 1_lame but still walks 2_lame and unable to walk	0_absence of lameness 1_lame but still walks 2_lame and unable to walk

		Shelter from rain	☐ yes ☐ no	Other compulsive behaviors (self-mutilation; environment directed)	☐ yes ☐ no					
		Air circulation	☐ yes ☐ no							

*Each colour represents what is to be recorded for each welfare measure; Space allowance, Sharp edges, Bedding, Water supply, Shelter from adverse weather condition, Thermoregulation, Abnormal behaviour, [Signs of diarrhoea, coughing, evidence of pain], Reaction towards human, [Body condition, Cleanliness of the animals, Skin condition, Lameness] Unassessed measures due to limited contact with dogs.

