

Report from the Kennel Club/
British Small Animal Veterinary Association
Scientific Committee

Summary results of the
Purebred Dog Health Survey
for Miniature Bull Terriers

Warning: The results of this survey and particularly the breed-specific analyses should be interpreted with caution. The overall response rate was only 24% with breed-specific response rates from 4.5% to 64.7%.

Miniature Bull Terriers

A total of 95 forms were sent out and 25 were returned, representing 66 live dogs. This breed had a 26.3% response rate (25/95) and it represented 0.18% of all returns (25/13,741).

Mortality data

A total of 20 deaths were reported and this represents 0.13% of all deaths reported in the survey (20/15,881). The median age at death for Miniature Bull Terriers was 6 years and 1 month (min = 8 months, max = 13 years and 2 months) and this was lower than the overall median of 11 years and 3 months (Figure 1). Table 1 shows the causes of death for Miniature Bull Terriers. Age at death is presented for the most common causes of death (Figure 2).

Table 1. Causes of death by organ system/category for Miniature Bull Terriers.

Cause of death	N	%	Most common specific causes in descending order
1 Old age	4	20.0	Old age
2 Trauma	3	15.0	Unspecified
3 Behaviour	2	10.0	Aggression; unspecified
4 Gastrointestinal	2	10.0	Foreign body obstruction
5 Other	2	10.0	Uncodeable
6 Cancer	1	5.0	Type unspecified
7 Combinations	1	5.0	
8 Hepatic	1	5.0	Chronic liver failure
9 Infection	1	5.0	Kennel cough
10 Ocular	1	5.0	Unspecified
11 Perioperative	1	5.0	
12 Urologic	1	5.0	Chronic kidney failure
Total	20	100.0	

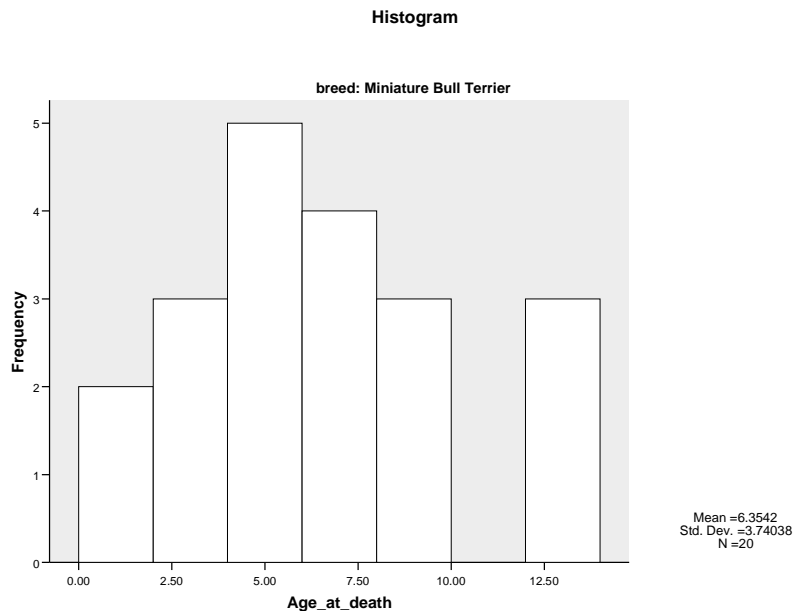


Figure 1. Histogram showing the frequency (as number of dogs) of age at death (in years) for the 20 Miniature Bull Terrier deaths with age at death reported.

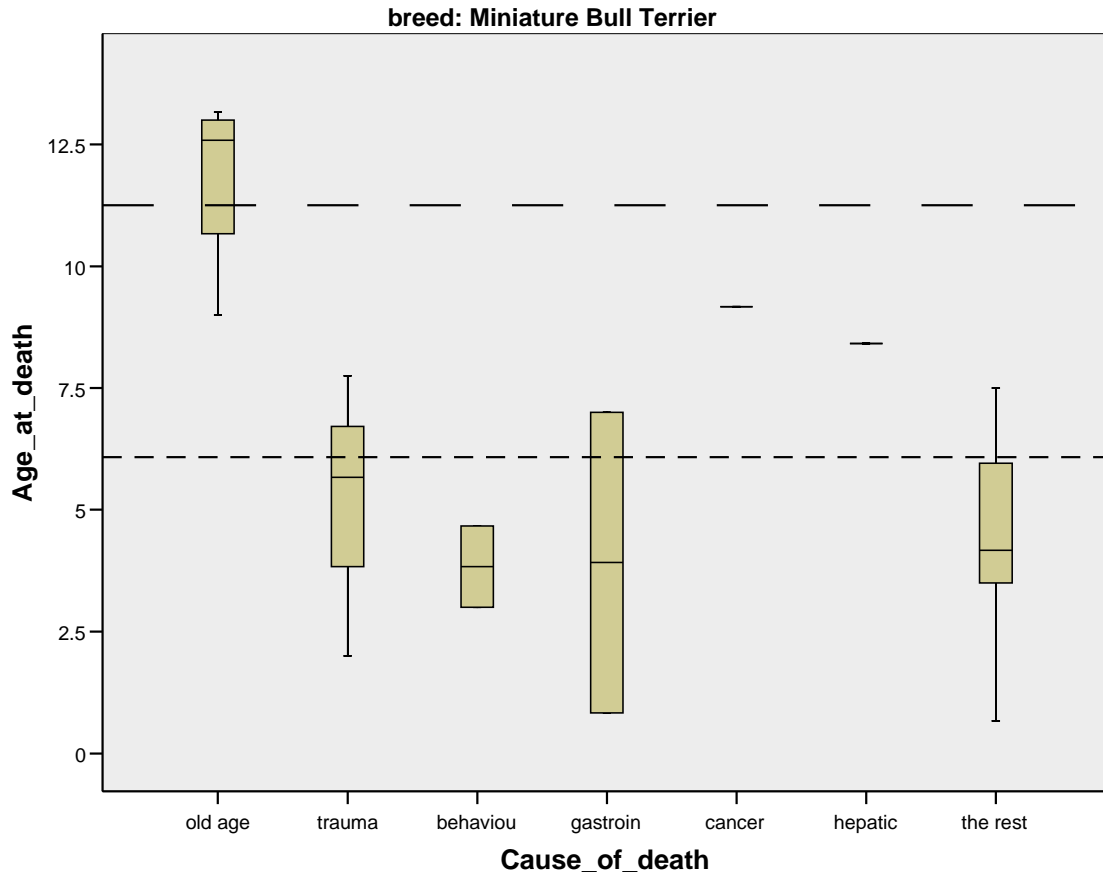


Figure 2. Box and whisker plot of age at death in years for the most common causes of death in Miniature Bull Terriers (N=20). The dashed line (---) is the overall median age at death for all dogs in the survey and the dotted line (----) is the overall median age of death for Miniature Bull Terriers. The solid line within each grey box represents the median age at death from the condition.

Morbidity data

The median current age of the 66 live dogs with a reported age was 3 years and 4 months (min=2 months, max=14 years and 3 months, Figure 3). Health information was reported for 66 live dogs of which 44 (67%) were healthy and 22 (33%) had at least one reported health condition, resulting in a total of 32 reported conditions with a median of 1 condition/dog (min=1, max=4).

The median current age of all healthy dogs with a reported age (N=44) was 2 years and 7 months (min=2 months, max=9 years). The distribution of gender and neuter status is shown in Table 2.

The median current age of all dogs with one or more disease conditions and a reported age (N=20) was 5 years and 2 months (min=5 months, max=14 years and 3 months). The median age at diagnosis for all disease occurrences with a reported age at diagnosis (N=29) was 3 years (min= 4 months, max= 13 years, Figure 4). Table 3 shows the disease conditions for Miniature Bull Terriers. Age at diagnosis is presented for the most common disease conditions (Figure 5).

Table 2. Distribution of gender and neuter status for 66 Miniature Bull Terriers with reported gender and neuter status.

Gender	Neuter status		Totals
	Intact	Neutered	
Female	34	6	40 (61%)
Male	23	3	26 (39%)
Totals	57 (86%)	9 (14%)	66 (100%)

There was no association between gender and neuter status (P=0.6889).

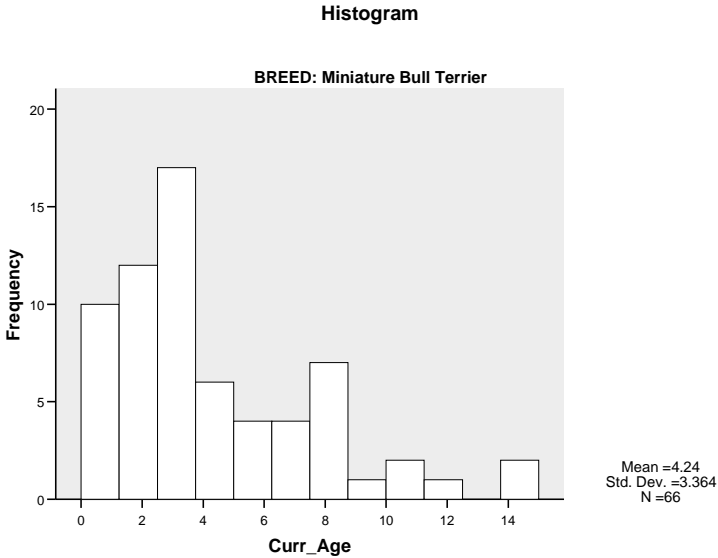


Figure 3. Histogram showing frequency of current age in years for the 66 live Miniature Bull Terriers with age reported.

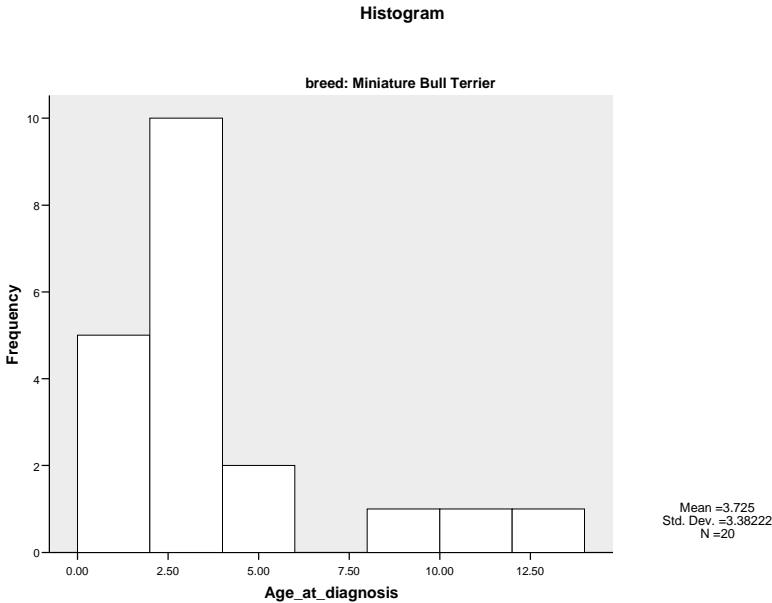


Figure 4. Histogram showing frequency of age at diagnosis for the 20 Miniature Bull Terriers with one or more disease conditions, using the youngest age at which a disease condition was first reported for those dogs with more than one disease condition or episode.

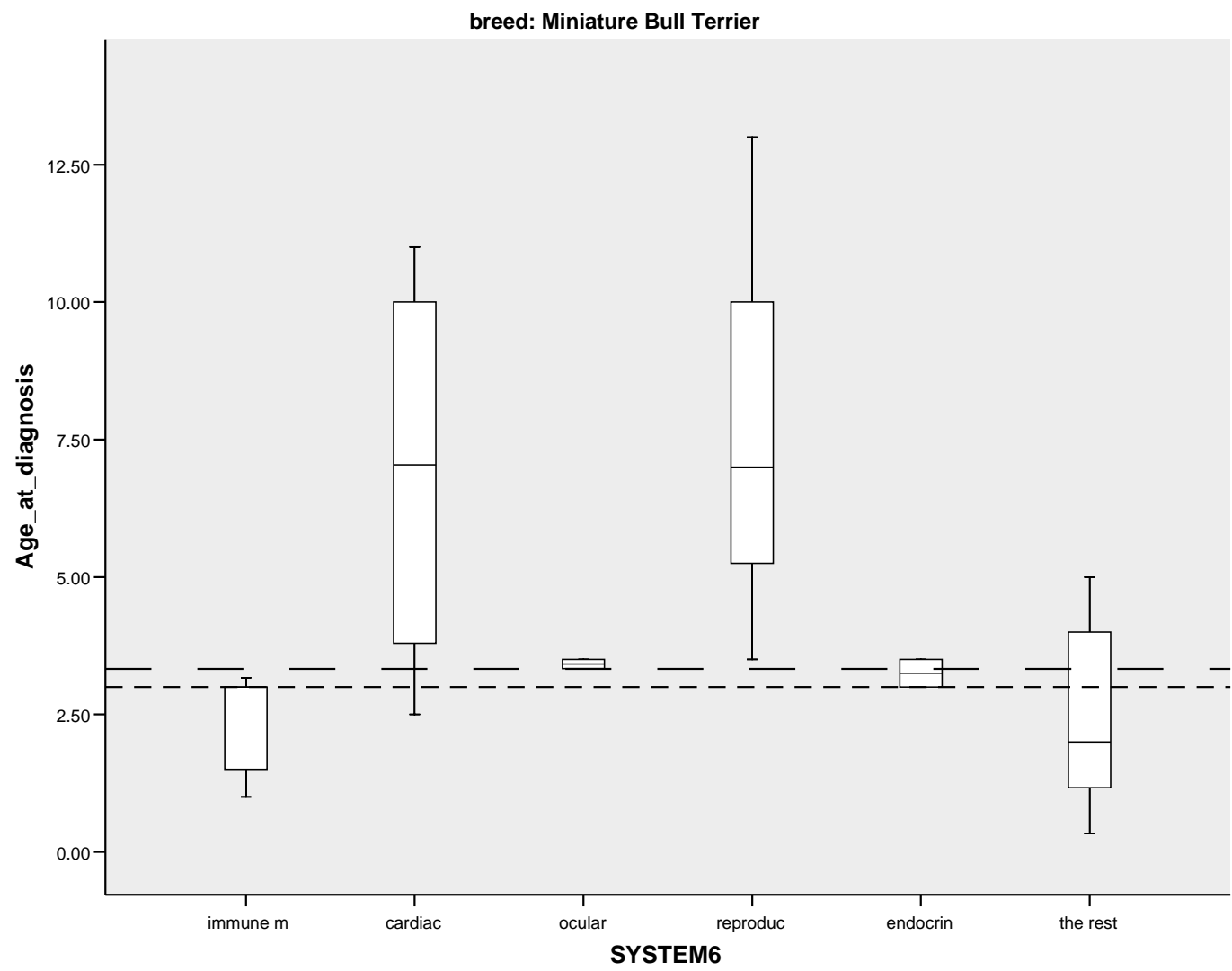


Figure 5. Box and whisker plot of age at diagnosis in years for the most common disease conditions in descending order for Miniature Bull Terriers (N=20 dogs with 29 conditions with age reported). The dashed line (---) is the overall median age at diagnosis for all dogs in the survey and the dotted line (----) is the overall median age at diagnosis for Miniature Bull Terriers. The solid line within each grey box represents the median age at diagnosis from the condition.

Table 3. Disease conditions by organ system/category for Miniature Bull Terriers.

Disease condition	All conditions		Most common specific conditions in descending order
	N	%	
1 Immune mediated	5	15.6	Gluten-sensitive enteropathy; atopy
2 Cardiac	4	12.5	Heart murmur (unspecified); dilated cardiomyopathy
3 Ocular	4	12.5	KCS; lens luxation
4 Reproductive	4	12.5	Pyometra; uterine inertia
5 Dermatologic	2	6.3	Dermatitis; unspecified
6 Endocrine	2	6.3	Hypothyroidism; unspecified
7 Musculoskeletal	2	6.3	Arthritis (spine); patellar luxation
8 Aural	1	3.1	Otitis externa
9 Behaviour	1	3.1	Unspecified
10 Benign neoplasia	1	3.1	Granuloma
11 Cancer	1	3.1	Unspecified
12 Neurologic	1	3.1	Seizures
13 Respiratory	1	3.1	Kennel cough
14 Trauma	1	3.1	Dermatologic
15 Unknown	1	3.1	Undiagnosed illness
16 Urologic	1	3.1	Cystitis
Total	32	100.0	