



**THE KENNEL CLUB
DOG HEALTH**

Bulldog

Pedigree Breed Health Survey

Forms were received representing 370 living dogs & 39 deceased dogs.

Mortality results

A total of 39 deaths were reported, representing 0.69% of all deaths reported in the Pedigree Breed Health survey. The median age for the Bulldog was 6 years (Figure 1). Table 1 shows the causes of death for the breed. Age at death is presented for the most common causes in Figure 2.

Table 1 The most common causes of death/reasons for euthanasia (N = 39 deceased dogs).

Cause of death	Number of cases	Proportion (%)
Old Age	8	20.51
Cardiac heart Failure	7	17.95
Cancer - unspecified	6	15.38
Stroke	3	7.69
Cardiomyopathy	2	5.13
Gastric dilation-volvulus syndrome GDV Bloat	2	5.13
Unknown	2	5.13
Bladder tumour	1	2.56
Brachycephalic Obstructive Airway Syndrome	1	2.56
Brain tumour	1	2.56
Cushing's Disease	1	2.56
Epilepsy	1	2.56
Gastrointestinal disorder - unspecified	1	2.56
Hemivertebrae	1	2.56
Neurological condtion - unspecified	1	2.56
Seizure	1	2.56

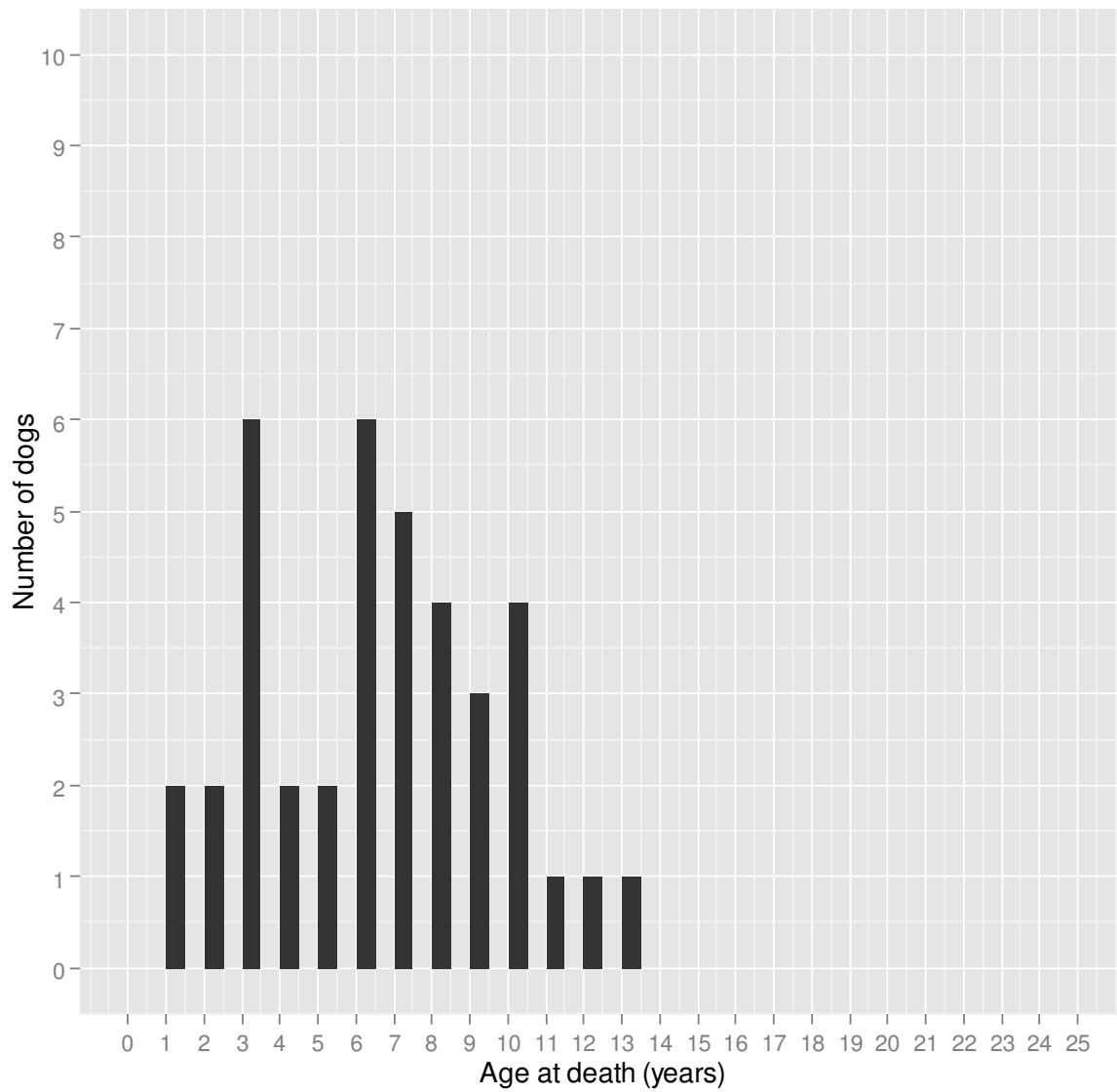


Figure 1: Histogram of the longevity for 39 reported deaths: overall median age at death was 6 years (minimum= 1 years, maximum= 13 years); mean age at death was 6.36 years

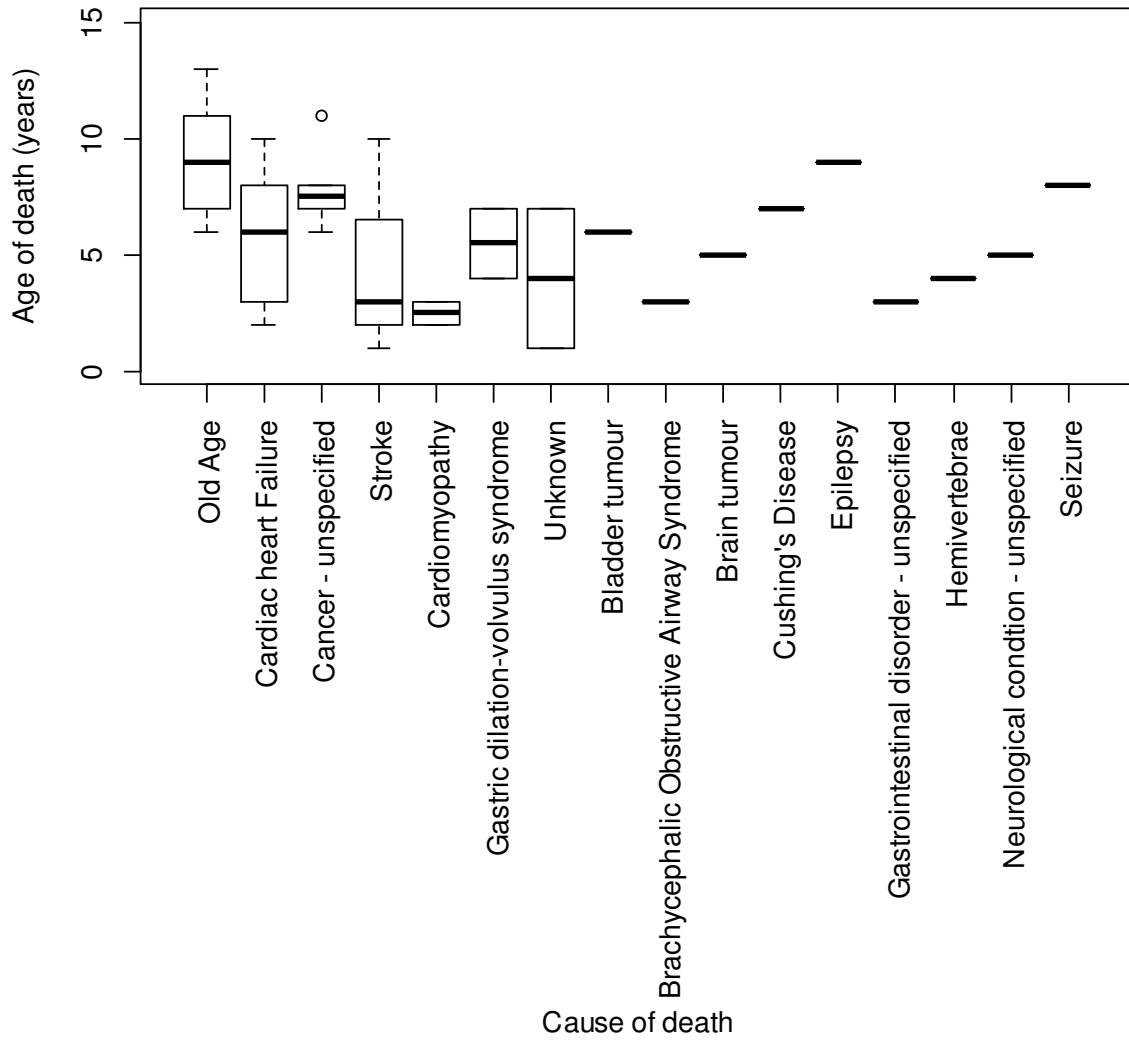


Figure 2: Box and whisker plot of age at death in years for the most common causes of death (N=39). The solid line within each box represents the median age of death from the condition. The box represents 50% of the dogs and the whiskers represent 95% of the dogs for each condition. The circles (o) represent possible outliers

Morbidity results

The 370 live Bulldogs represented 0.86% of total dogs in the survey. The median age of live dogs for the breed was 2 years (Table 2). Of the 370 Bulldog which the survey covers, 192 had reported no conditions and 178 reported affected by at least one condition (min = 1 condition(s), max = 9 conditions), giving a total of 403 incidents of conditions.

The gender, neuter status and age of neutering summary statistics for Bulldog's are shown in Table 3. There were 322 dogs with responses for Body Condition displayed in Table 4.

The median age the dogs were first affected by a condition was 1 year (min = 0 years, max= 12 years, Figure 3). The ages for the most common conditions is displayed in Figure 4. Table 5 shows the frequency of occurrence of all reported disease conditions for the Bulldog.

Table 2: The summary statistics for the dogs' current age when survey was completed

Number of Dogs	Mean age (years)	Median age (years)	Min age (years)	Max age (years)
370	3.07	2	0	18

Table 3: Gender, neuter status and age summary statistics for dogs where gender and neuter status was reported

Sex	Neuter status	Age known	Count	Mean age neutered (years)	Median age neutered (years)	Min age neutered (years)	Max age neutered (years)
Female	Neutered	Yes	62	1.94	1	0	9
Female	Not neutered	No	87	NA	NA	NA	NA
Female	Unknown	No	7	NA	NA	NA	NA
Male	Neutered	Yes	66	1.39	1	0	10
Male	Not neutered	No	138	NA	NA	NA	NA
Male	Unknown	No	10	NA	NA	NA	NA

Table 4: The body condition comment and the age of the dog when this comment was made

Body condition	Count	Mean age (years)	Median age (years)	Min age (years)	Max age (years)
No comment was made by vet	10	4.00	4.5	0	8
Normal	277	2.34	2	0	12
Somewhat overweight	30	2.30	2	0	6
Somewhat underweight	3	1.67	2	1	2
very overweight	1	8.00	8	8	8
Very underweight	1	0.00	0	0	0

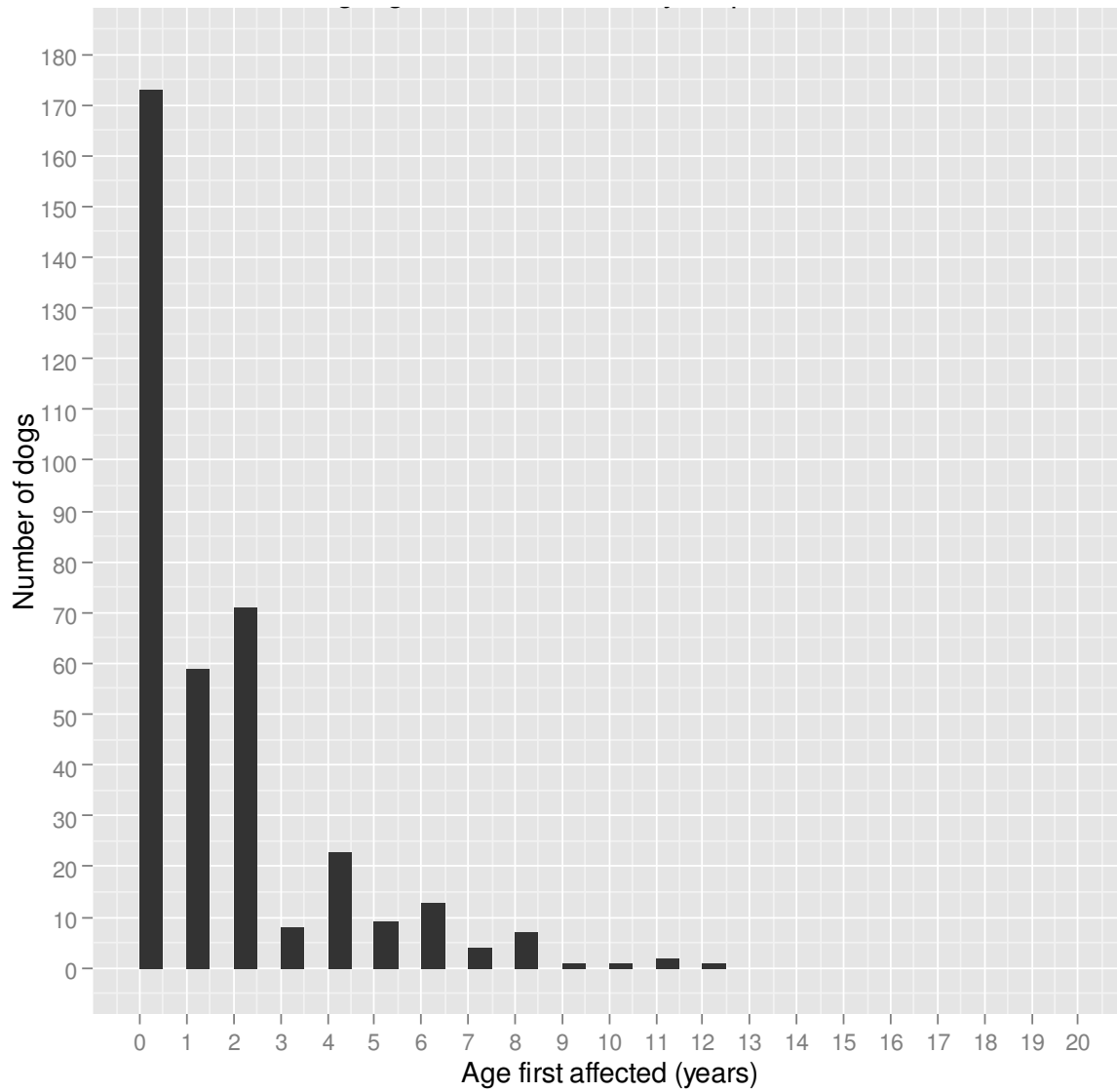


Figure 3: Histogram showing frequency of known age at diagnosis for the disease conditions reported

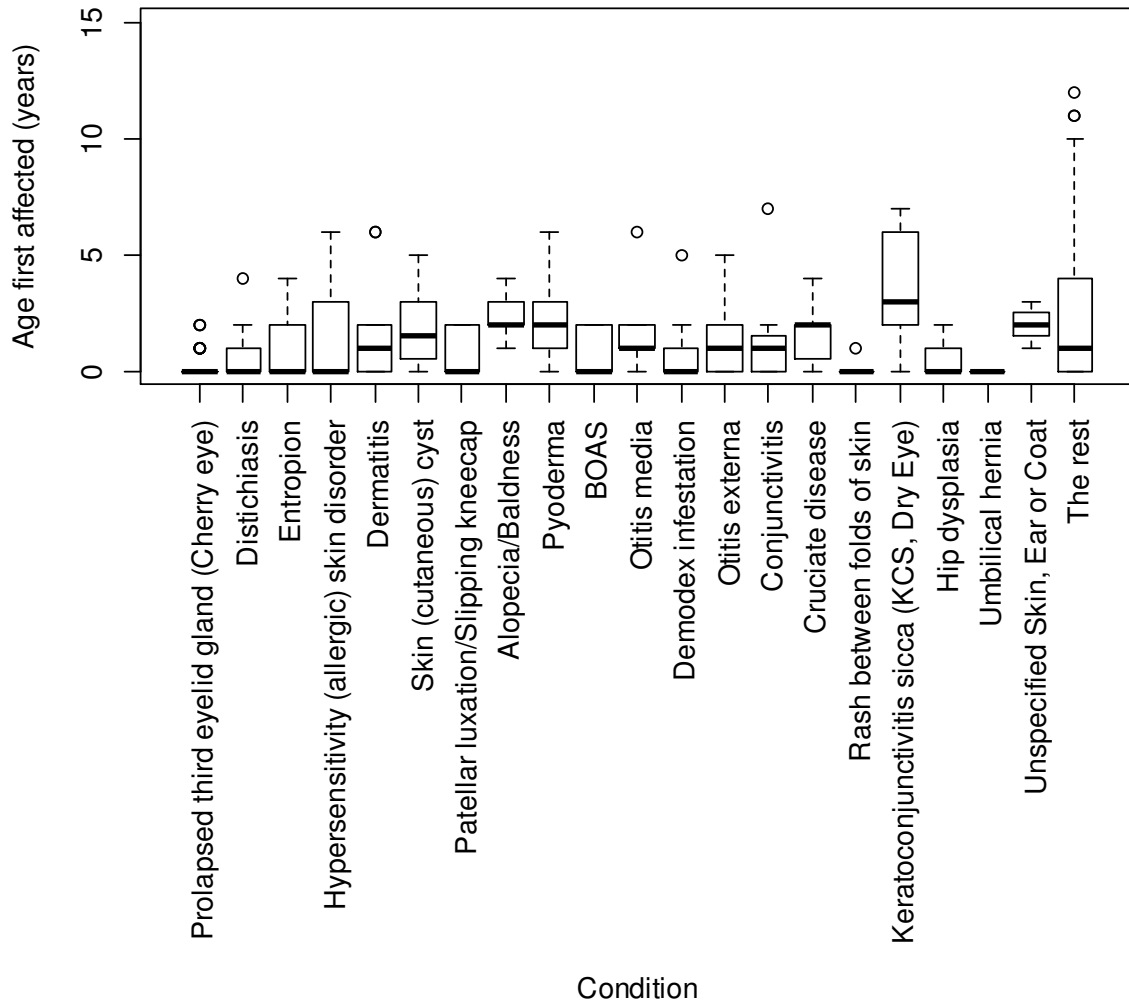


Figure 4: Box and whisker plot of age at diagnosis in years for the most common disease conditions in descending order. The solid line within each box represents the median age at diagnosis from the condition. The box represents 50% of the dogs and the whiskers represent 95% of the dogs for each condition. The circles (o) represent possible outliers

Table 5: The most commonly reported disease conditions in descending order for the breed (N = 307 live dogs)

Condition	Number of cases of disease	Proportion (%)	Prevalence (%)
Prolapsed third eyelid gland (Cherry eye)	53	13.15	14.32
Distichiasis	17	4.22	4.59
Entropion	16	3.97	4.32
Hypersensitivity (allergic) skin disorder	14	3.47	3.78
Dermatitis	13	3.23	3.51
Skin (cutaneous) cyst	13	3.23	3.51
Alopecia/Baldness	10	2.48	2.70
Patellar luxation/Slipping kneecap	10	2.48	2.70
Pyoderma	10	2.48	2.70
BOAS	9	2.23	2.43
Otitis media	9	2.23	2.43
Demodex infestation	8	1.99	2.16
Otitis externa	8	1.99	2.16
Conjunctivitis	7	1.74	1.89
Cruciate disease	7	1.74	1.89
Rash between folds of skin	7	1.74	1.89
Hip dysplasia	6	1.49	1.62
Keratoconjunctivitis sicca (KCS, Dry Eye)	6	1.49	1.62
Umbilical hernia	6	1.49	1.62
Unspecified Skin, Ear or Coat	6	1.49	1.62

Proportion of morbidity as %= N/403 disease conditions, prevalence %= N/370 live dogs

Summary

From the dogs surveyed, most Bulldogs were not affected by a disease condition (51.89%). The most commonly reported disease condition in live dogs was prolapsed third eyelid gland (Cherry eye). The most commonly reported cause of death was old age.