



**THE KENNEL CLUB
DOG HEALTH**

Dalmatian

Pedigree Breed Health Survey

Forms were received representing 328 living dogs & 52 deceased dogs.

Mortality results

A total of 52 deaths were reported, representing 0.93% of all deaths reported in the Pedigree Breed Health survey. The median longevity for the Dalmatian was 11 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 twenty most common causes of death/reasons for euthanasia (N = 52 deceased dogs).

Cause of death	Number of cases	Proportion (%)
Old Age combinations	6	11.54
Old Age	5	9.62
Cancer - unspecified	4	7.69
Cardiac heart Failure	3	5.77
Lymphoma	3	5.77
Unknown	3	5.77
Kidney Failure	2	3.85
Kidney stones	2	3.85
Arthritis	1	1.92
Bone tumour	1	1.92
Brain tumour	1	1.92
Cardiac Tumour	1	1.92
Cardiomyopathy	1	1.92
Diabetes	1	1.92
Gastric dilation-volvulus syndrome GDV Bloat	1	1.92
Gastric tumour	1	1.92
Hepatopathy liver disorder	1	1.92
Infection - unspecified	1	1.92
Inflammatory Bowel disease	1	1.92
Intestinal tumour	1	1.92

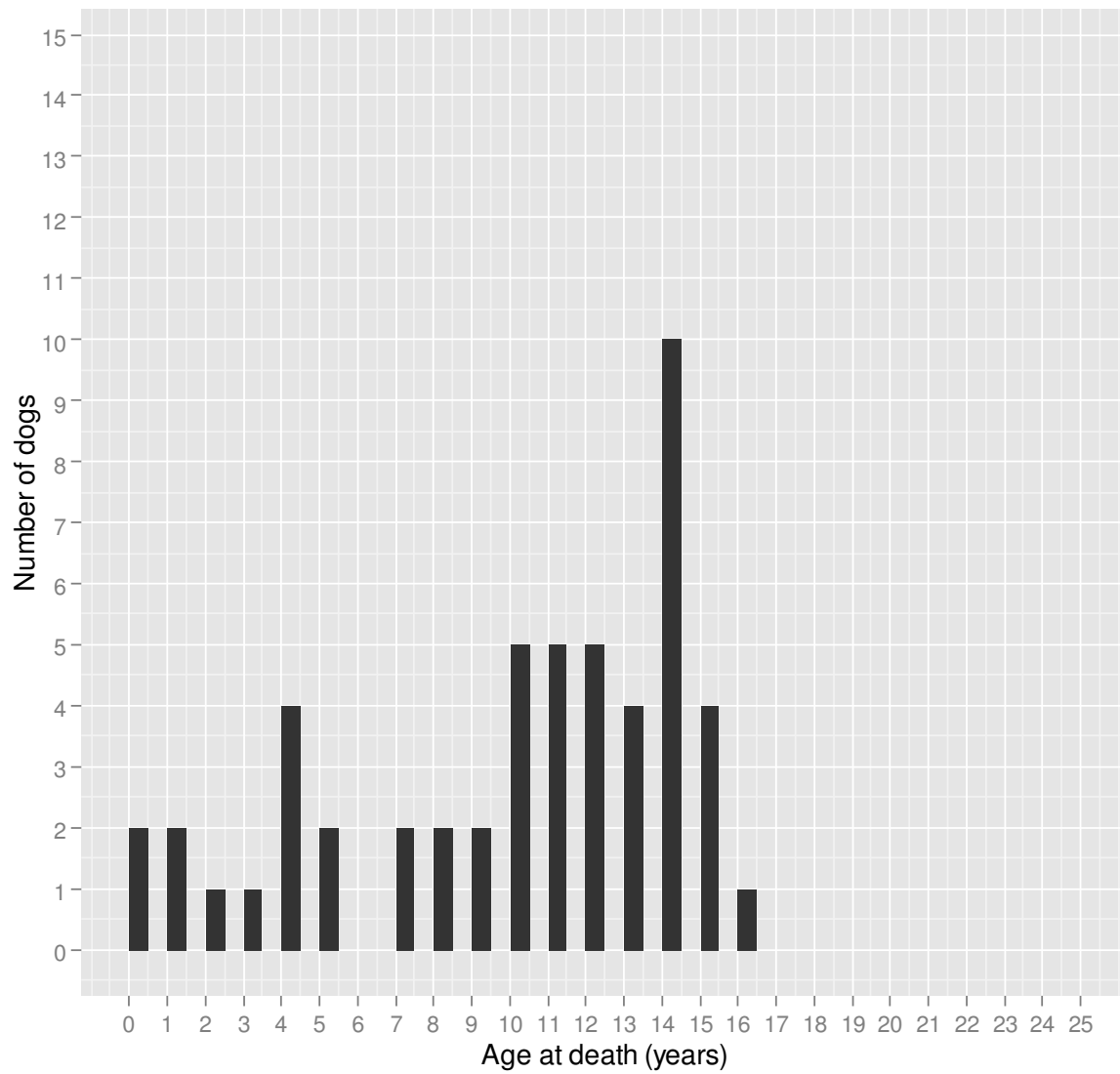


Figure 1: Histogram of the longevity for 52 reported deaths: overall median age at death was 11 years (minimum= 0 years, maximum= 16 years); mean age at death was 9.88 years

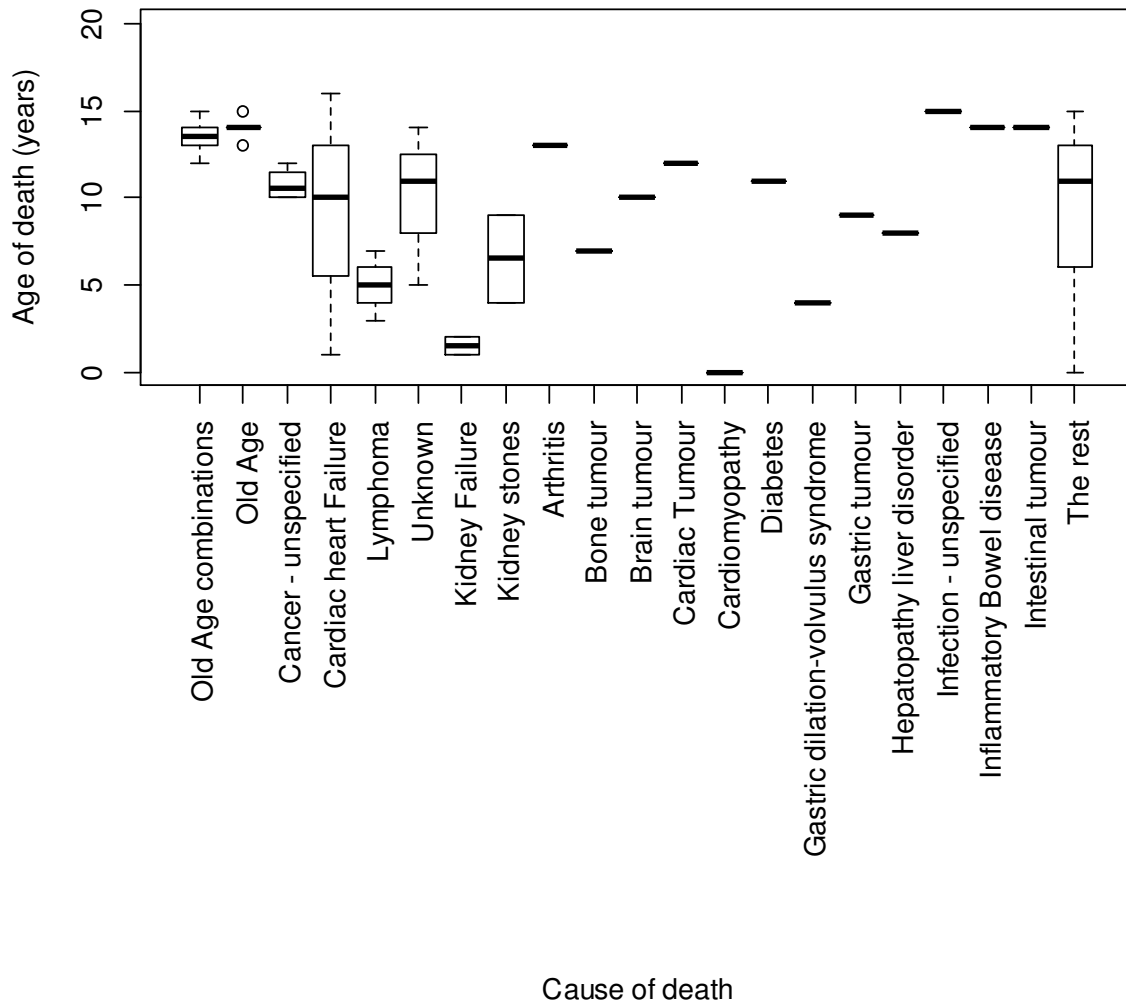


Figure 2: Box and whisker plot of age at death in years for the most twenty common causes of death (N=52). The solid line within each box represents the median age of death from the condition. The box represents 50% of the dogs and the whiskers represent 95% of the dogs for each condition. The circles (o) represent possible outliers

Morbidity results

The 328 live Dalmatians represented 0.76% of total dogs in the survey. The median age of live dogs for the breed was 4 years (Table 2). Of the 328 Dalmatians which the survey covers, 192 had reported no conditions and 136 reported affected by at least one condition (min = 1 condition(s), max = 7 conditions), giving a total of 247 incidents of conditions.

The gender, neuter status and age of neutering summary statistics for Dalmatians are shown in Table 3. There were 279 dogs with responses for Body Condition displayed in Table 4.

The median age the dogs were first affected by a condition was 3 years (min = 0 years, max= 14 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 Dalmatian.

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)
328	4.93	4	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	116	1.38	1	0	8
Female	Neutered	No	1	NA	NA	NA	NA
Female	Not neutered	No	57	NA	NA	NA	NA
Female	Unknown	No	3	NA	NA	NA	NA
Male	Neutered	Yes	98	1.15	0	0	12
Male	Neutered	No	3	NA	NA	NA	NA
Male	Not neutered	No	48	NA	NA	NA	NA
Male	Unknown	No	2	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 comment made (years)	Median age comment made (years)	Min age comment made (years)	Max age comment made (years)
No comment was made by vet	14	5.07	6	0	10
Normal	237	4.32	4	0	15
Somewhat overweight	19	5.21	5	0	10
Somewhat underweight	7	8.86	8	2	14
very overweight	1	10.00	10	10	10
Very underweight	1	10.00	10	10	10

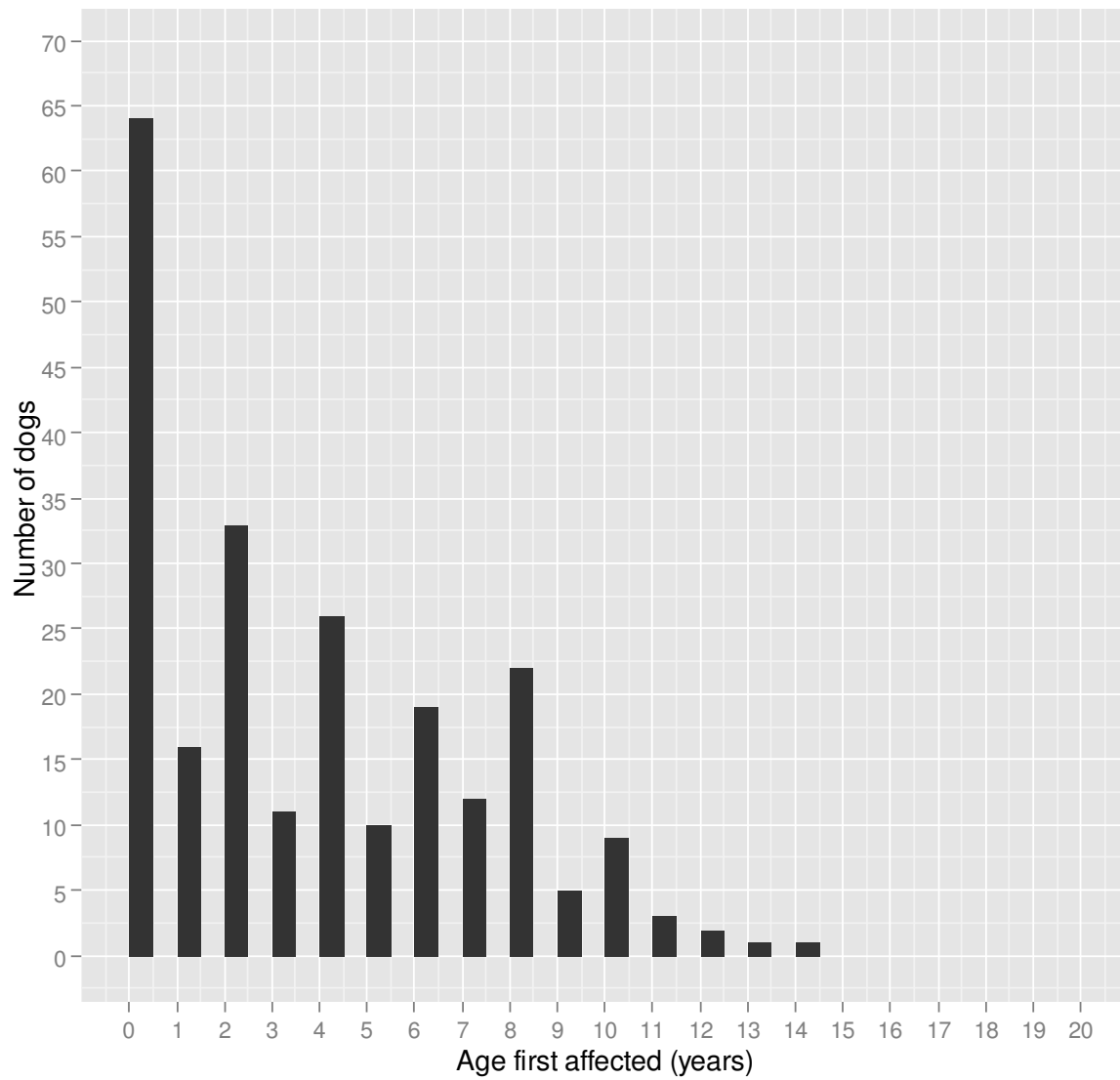


Figure 3: Histogram showing frequency of known age at diagnosis for the disease conditions reported

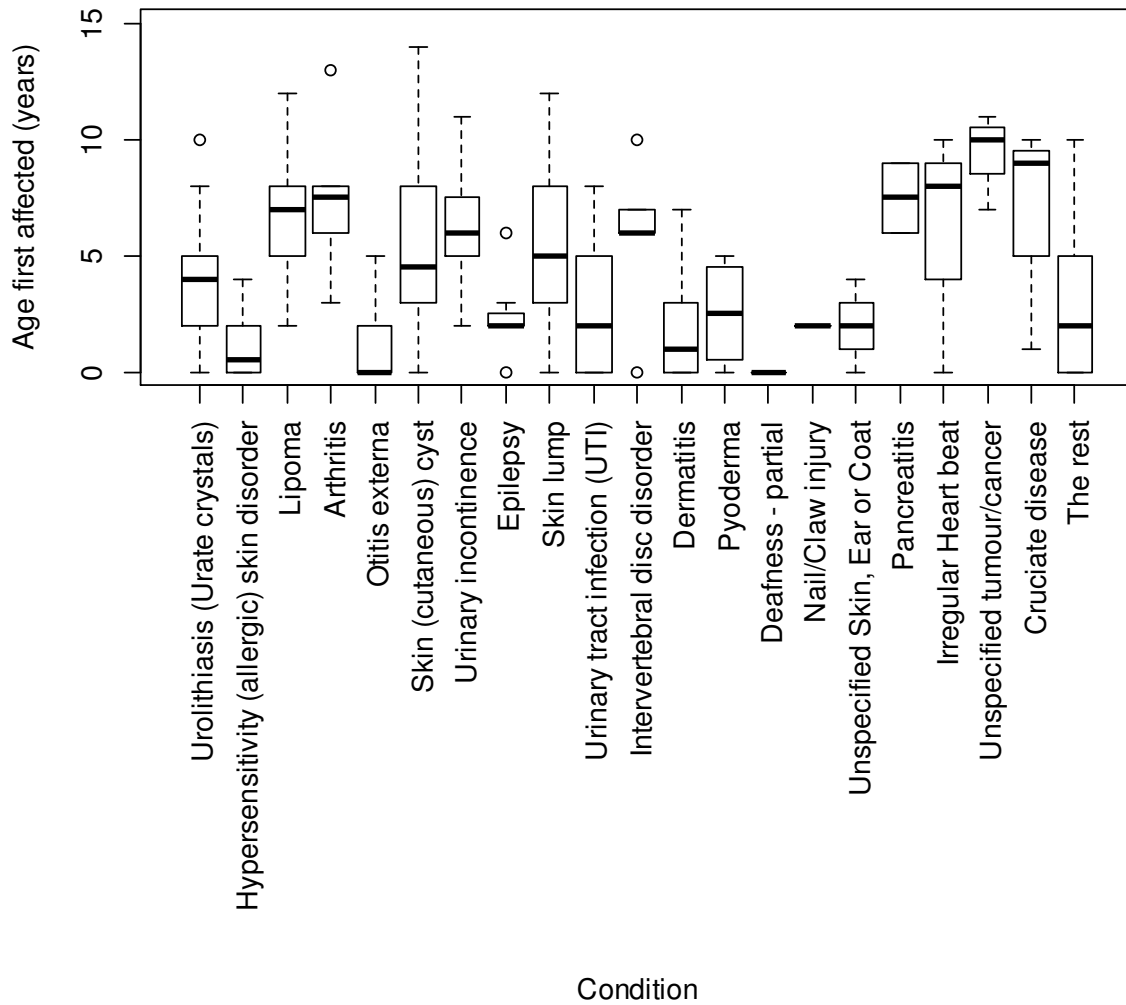


Figure 4: Box and whisker plot of age at diagnosis in years for the most common disease conditions in descending order. The solid line within each box represents the median age at diagnosis from the condition. The box represents 50% of the dogs and the whiskers represent 95% of the dogs for each condition.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

Table 5: The most commonly reported disease conditions in descending order for the breed (N = 328 live dogs)

Condition	Number of cases of disease	Proportion (%)	Prevalence (%)
Urolithiasis (Urate crystals)	27	10.93	8.23
Hypersensitivity (allergic) skin disorder	19	7.69	5.79
Lipoma	18	7.29	5.49
Arthritis	12	4.86	3.66
Otitis externa	10	4.05	3.05
Skin (cutaneous) cyst	10	4.05	3.05
Urinary incontinence	9	3.64	2.74
Epilepsy	8	3.24	2.44
Skin lump	7	2.83	2.13
Urinary tract infection (UTI)	6	2.43	1.83
Dermatitis	5	2.02	1.52
Intervertebral disc disorder	5	2.02	1.52
Pyoderma	5	2.02	1.52
Deafness - partial	4	1.62	1.22
Nail/Claw injury	4	1.62	1.22
Unspecified Skin, Ear or Coat	4	1.62	1.22
Chronic Itching	3	1.21	0.91
Cruciate disease	3	1.21	0.91
Ear mite infestation	3	1.21	0.91
Irregular Heart beat	3	1.21	0.91

Proportion of morbidity as %= N/247 disease conditions, prevalence %= N/328 live dogs

Summary

From the dogs surveyed, most Dalmatians were not affected by a disease condition (58.63%). The most commonly reported disease condition in live dogs was urolithiasis. The most commonly reported cause of death was old age combinations.