



**THE KENNEL CLUB
DOG HEALTH**

Newfoundland

Pedigree Breed Health Survey

Forms were received representing 189 living dogs & 53 deceased dogs.

Mortality results

A total of 53 deaths were reported, representing 0.94% of all deaths reported in the Pedigree Breed Health survey. The median longevity for the Newfoundland was 10 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 = 53 deceased dogs).

Cause of death	Number of cases	Proportion (%)
Bone tumour	7	13.21
Old Age	7	13.21
Cancer - unspecified	6	11.32
Old Age combinations	5	9.43
Cardiac heart Failure	4	7.55
Gastric dilation-volvulus syndrome GDV Bloat	4	7.55
Unknown	4	7.55
Hepatic liver tumour	2	3.77
Infection - unspecified	2	3.77
Arthritis	1	1.89
Autoimmune condition - unspecified	1	1.89
Cardiomyopathy	1	1.89
Kidney Failure	1	1.89
Leukemia cancer of the blood	1	1.89
Liver Failure	1	1.89
Oral mouth tumour	1	1.89
Pulmonary oedema	1	1.89
Pyometra	1	1.89
Road Traffic Accident	1	1.89
Septiceamia	1	1.89

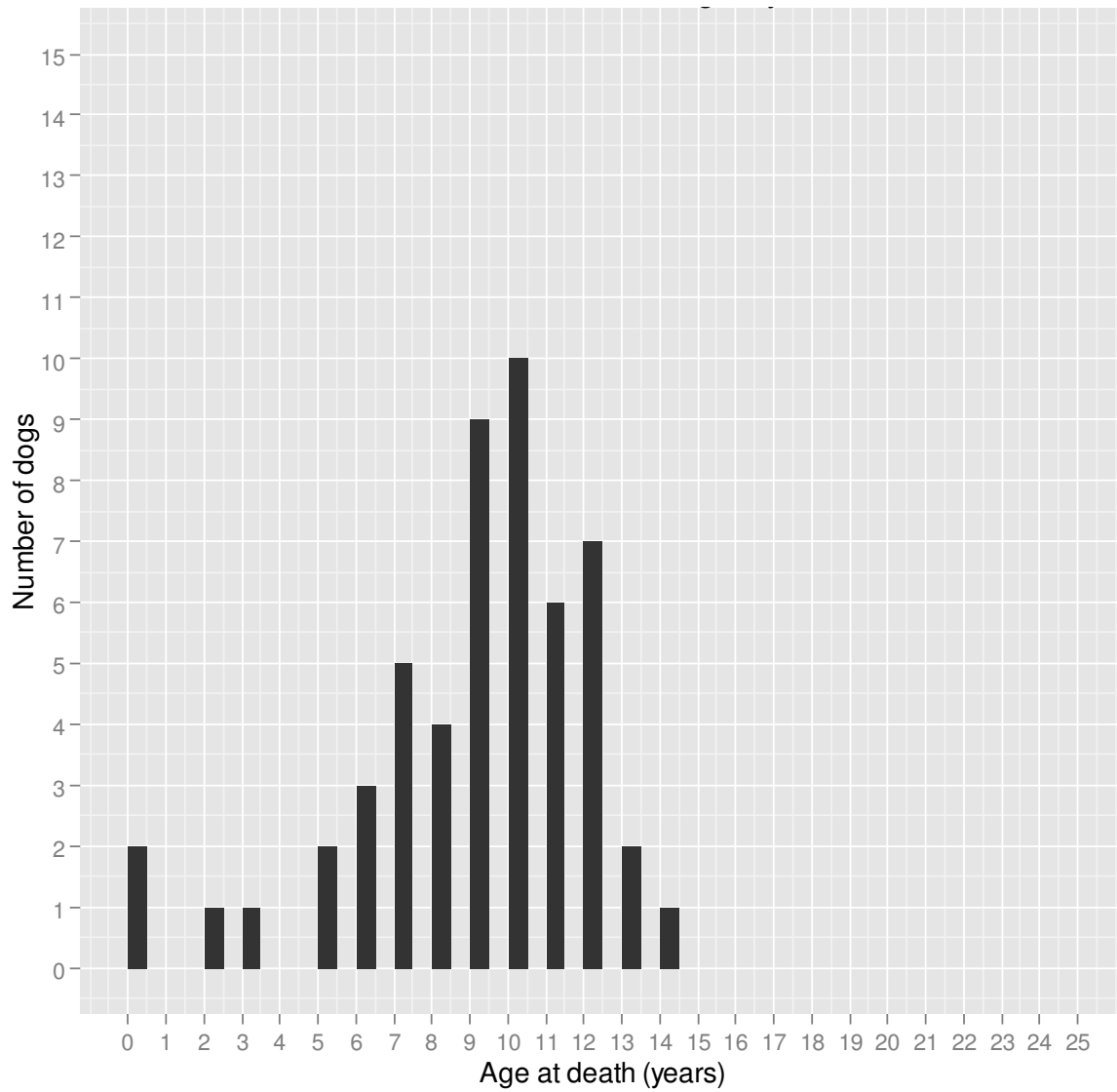


Figure 1: Histogram of the longevity for 53 reported deaths: overall median age at death was 9 years (minimum= 0 years, maximum= 9 years); mean age at death was 8.89 years

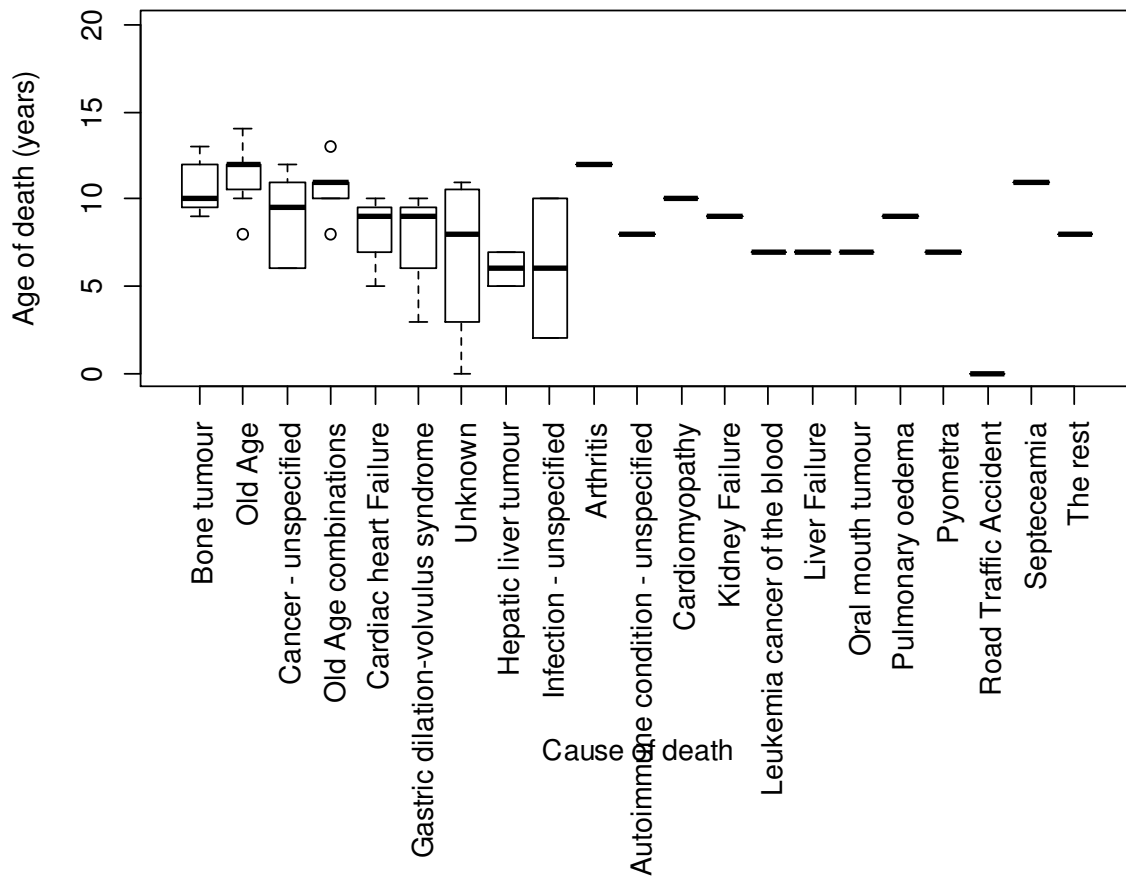


Figure 2: Box and whisker plot of age at death in years for the twenty most common causes of death (N=53). The solid line within each box represents the median age of death from the condition. The box represents 50% of the dogs and the whiskers represent 95% of the dogs for each condition. The circles (o) represent possible outliers

Morbidity results

The 189 live Newfoundlands represented 0.44% of total dogs in the survey. The median age of live dogs for the breed was 4 years (Table 2). Of the 189 Newfoundlands which the survey covers, 104 had reported no conditions and 85 reported affected by at least one condition (min = 1 condition(s), max = 14 conditions), giving a total of 198 incidents of conditions.

The gender, neuter status and age of neutering summary statistics for Newfoundlands are shown in Table 3. There were 149 dogs with responses for Body Condition displayed in Table 4.

The median age the dogs were first affected by a condition was 4 years (min = 0 years, max= 10 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 Newfoundland.

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)
189	4.87	4	0	16

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	44	2.80	2	0	10
Female	Not neutered	No	47	NA	NA	NA	NA
Female	Unknown	No	2	NA	NA	NA	NA
Male	Neutered	Yes	32	2.16	2	0	6
Male	Not neutered	No	58	NA	NA	NA	NA
Male	Unknown	No	7	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	4	4.25	4.5	2	6
Normal	132	4.07	3.5	0	14
Somewhat overweight	9	5.56	6	3	8
Somewhat underweight	4	2.75	2.5	0	6

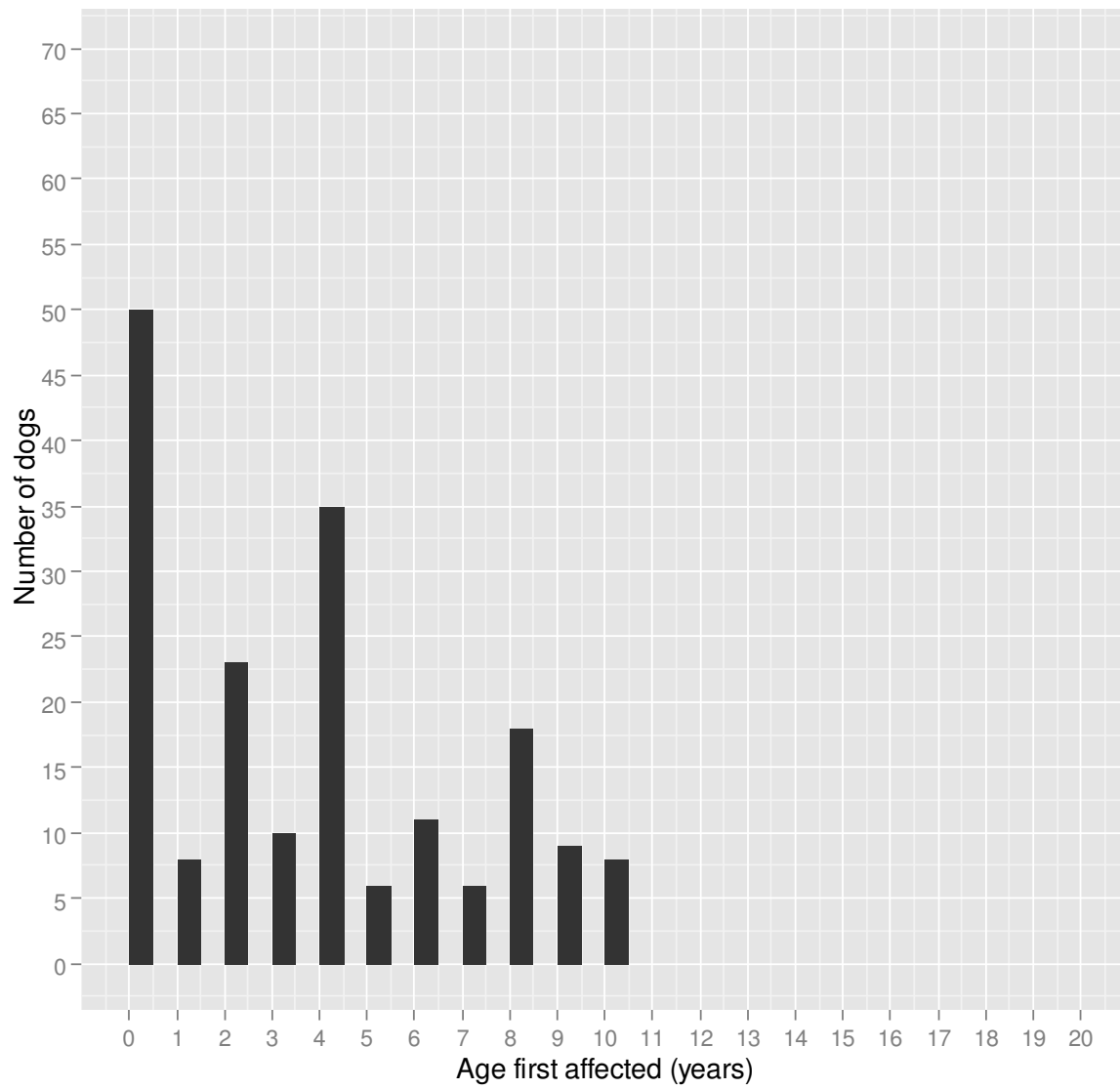


Figure 3: Histogram showing frequency of known age at diagnosis for the disease conditions reported

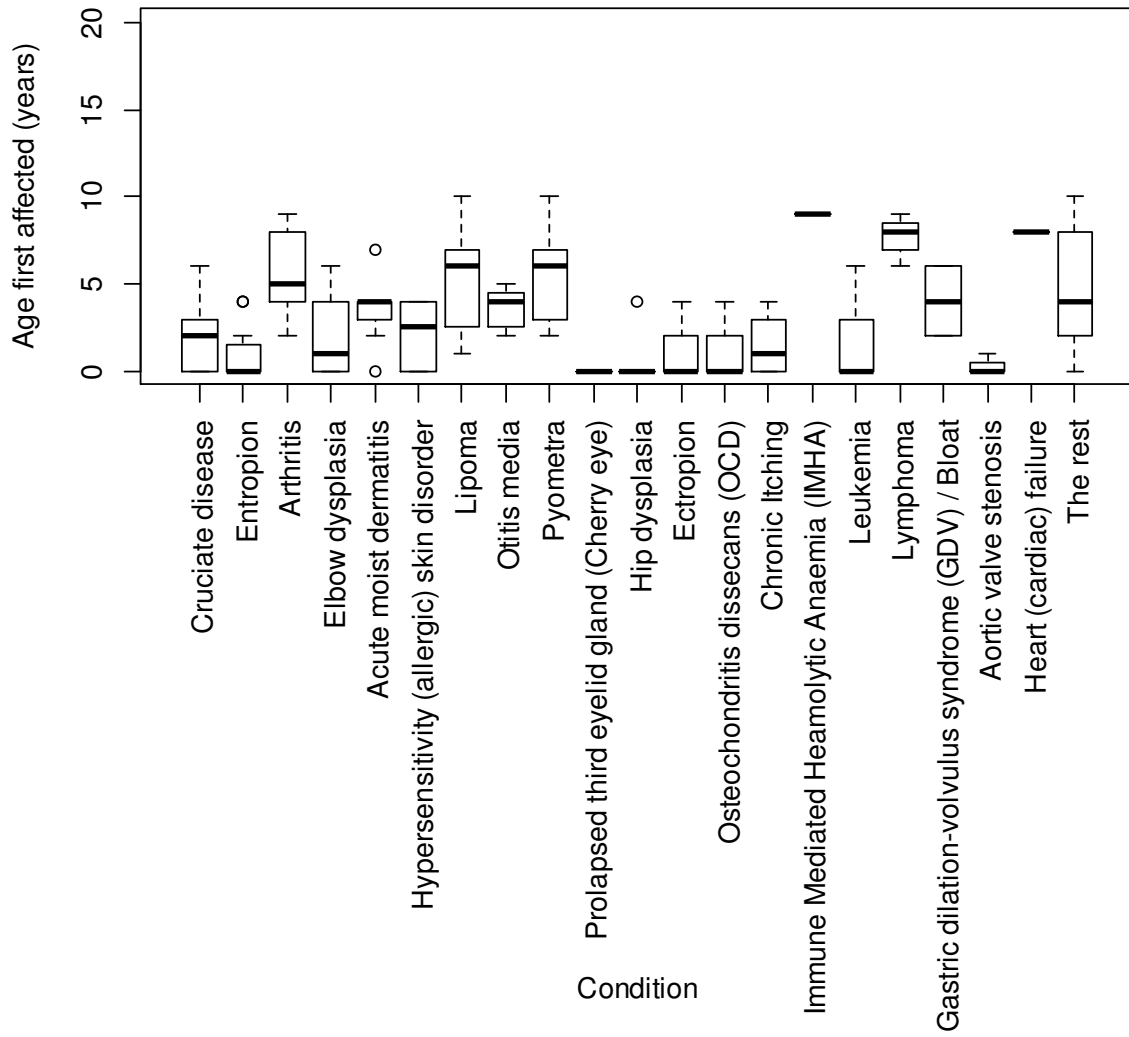


Figure 4: Box and whisker plot of age at diagnosis in years for the most common disease conditions in descending order. The solid line within each box represents the median age at diagnosis from the condition. The box represents 50% of the dogs and the whiskers represent 95% of the dogs for each condition.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

Table 5: The most commonly reported disease conditions in descending order for the breed (N = 189 live dogs)

Condition	Number of cases of disease	Proportion (%)	Prevalence (%)
Cruciate disease	14	7.07	7.41
Entropion	11	5.56	5.82
Arthritis	9	4.55	4.76
Elbow dysplasia	8	4.04	4.23
Acute moist dermatitis	7	3.54	3.70
Hypersensitivity (allergic) skin disorder	7	3.54	3.70
Lipoma	7	3.54	3.70
Otitis media	7	3.54	3.70
Pyometra	6	3.03	3.17
Hip dysplasia	5	2.53	2.65
Prolapsed third eyelid gland (Cherry eye)	5	2.53	2.65
Chronic Itching	4	2.02	2.12
Ectropion	4	2.02	2.12
Osteochondritis dissecans (OCD)	4	2.02	2.12
Aortic valve stenosis	3	1.52	1.59
Dermatitis	3	1.52	1.59
Gastric dilation-volvulus syndrome (GDV) / Bloat	3	1.52	1.59
Heart (cardiac) failure	3	1.52	1.59
Immune Mediated Hemolytic Anaemia (IMHA)	3	1.52	1.59
Leukemia	3	1.52	1.59

Proportion of morbidity as %= N/198 disease conditions, prevalence %= N/189 live dogs

Summary

From the dogs surveyed, most Newfoundlands were not affected by a disease condition (55.03%). The most commonly reported disease condition in live dogs was cruciate disease. There were two reported causes of death that represented an equal proportion of the deaths; these causes were bone tumour and old age.