



**THE KENNEL CLUB
DOG HEALTH**

Italian Spinone

Pedigree Breed Health Survey

Forms were received representing 172 living dogs & 37 deceased dogs.

Mortality results

A total of 37 deaths were reported, representing 0.66% of all deaths reported in the Pedigree Breed Health survey. The median age for the Italian Spinone was 9 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 = 37 deceased dogs).

Cause of death	Number of cases	Proportion (%)
Epilepsy	5	13.51
Old Age	4	10.81
Unknown	4	10.81
Cancer - unspecified	3	8.11
Gastric dilation-volvulus syndrome GDV Bloat	3	8.11
Bone tumour	2	5.41
Brain tumour	2	5.41
Cardiac heart Failure	2	5.41
Hepatic liver tumour	2	5.41
Lung tumour	2	5.41
Splenic tumour	2	5.41
Embolism	1	2.70
Pancreatitis	1	2.70
Pericardial effusion	1	2.70
Peritonitis	1	2.70
Stroke	1	2.70
Thyroid tumour	1	2.70

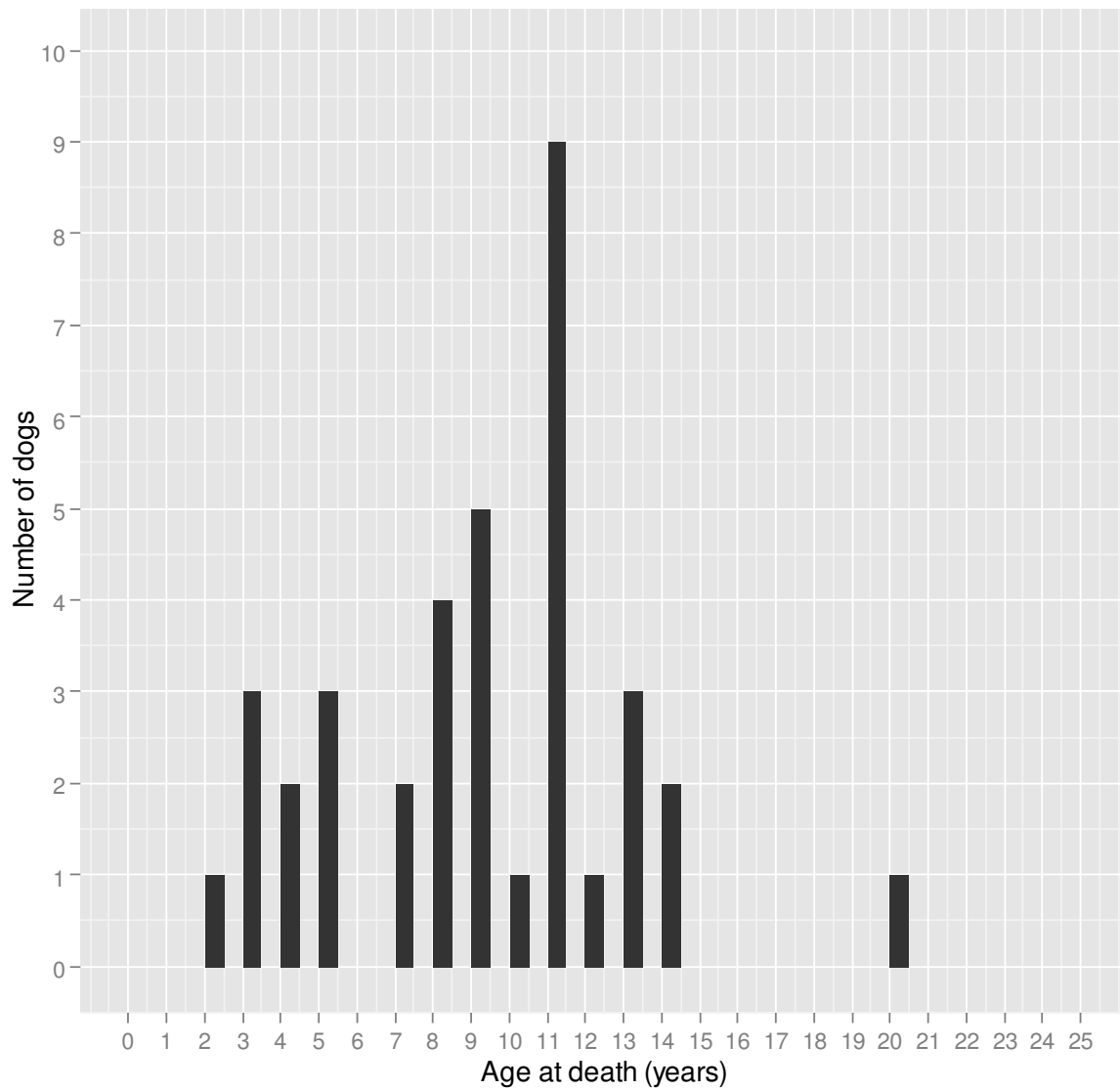


Figure 1: Histogram of the longevity for 37 reported deaths: overall median age at death was 9 years (minimum= 2 years, maximum= 20 years); mean age at death was 9 years

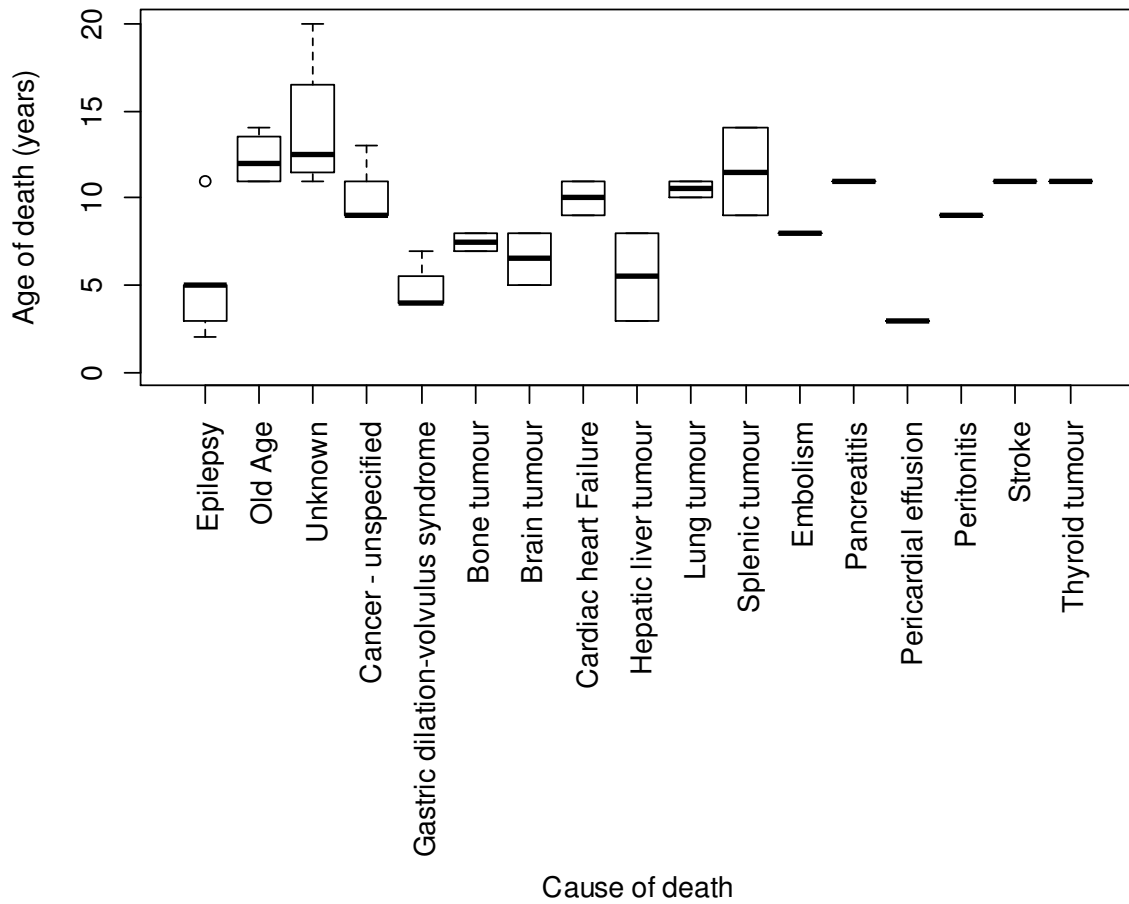


Figure 2: Box and whisker plot of age at death in years for the twenty most common causes of death (N=37). The solid line within each box represents the median age of death from the condition. The box represents 50% of the dogs and the whiskers represent 95% of the dogs for each condition. The circles (o) represent possible outliers

Morbidity results

The 172 live Italian Spinones represented 0.40% of total dogs in the survey. The median age of live dogs for the breed was 3 years (Table 2). Of the 172 Italian Spinones which the survey covers, 103 had reported no conditions and 69 reported affected by at least one condition (min = 1 condition(s), max = 8 conditions), giving a total of 130 incidents of conditions.

The gender, neuter status and age of neutering summary statistics for Italian Spinones are shown in Table 3. There were 125 dogs with responses for Body Condition displayed in Table 4.

The median age the dogs were first affected by a condition was 2 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 Italian Spinone.

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)
172	4.04	3	0	17

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	48	1.50	1	0	8
Female	Not neutered	No	35	NA	NA	NA	NA
Female	Unknown	No	5	NA	NA	NA	NA
Male	Neutered	Yes	35	1.31	1	0	8
Male	Not neutered	No	47	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	10	2.00	0.5	0	7
Normal	103	2.82	2	0	11
Somewhat overweight	11	4.91	5	0	9
Somewhat underweight	1	2.00	2	2	2

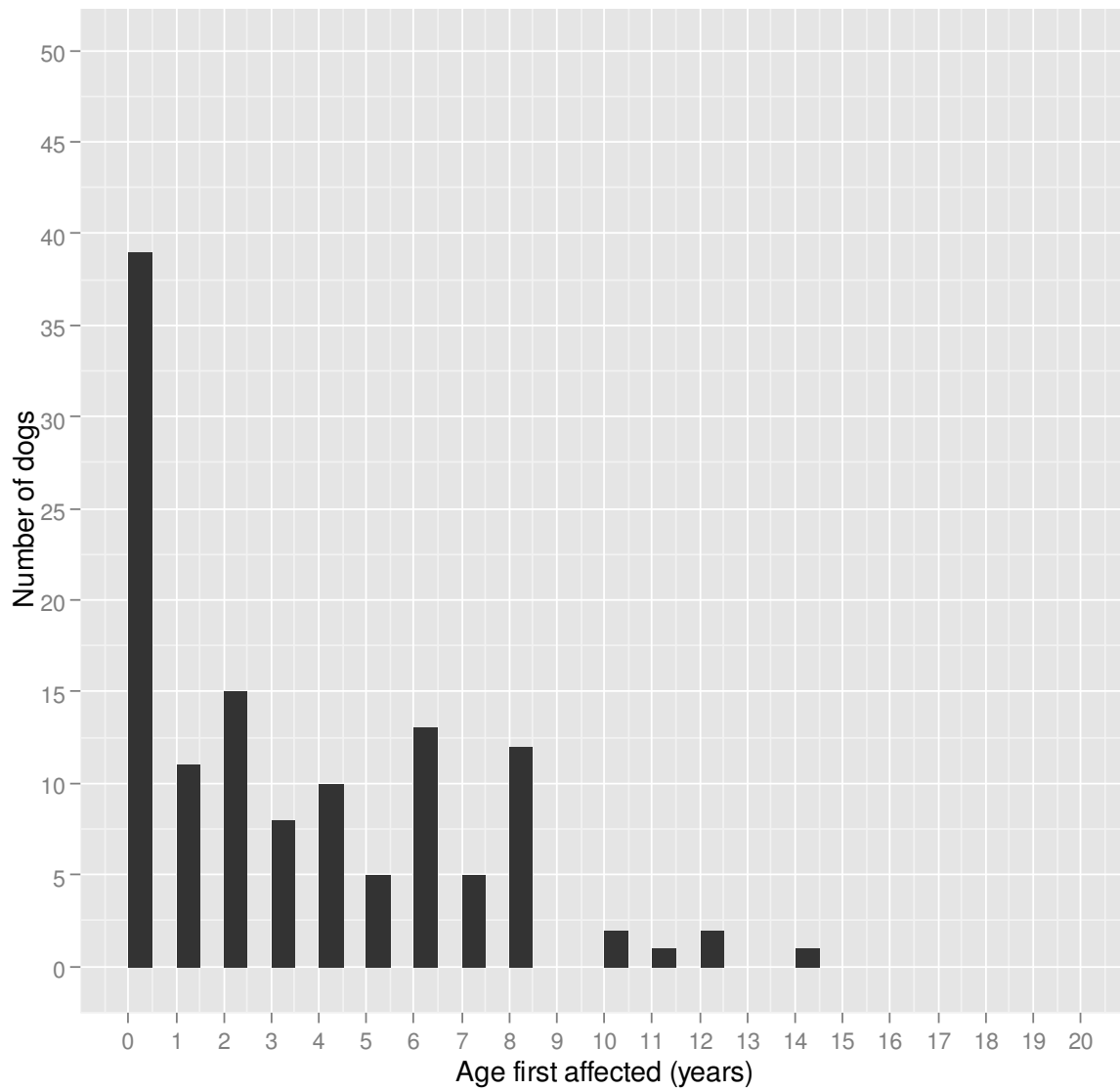


Figure 3: Histogram showing frequency of known age at diagnosis for the disease conditions reported

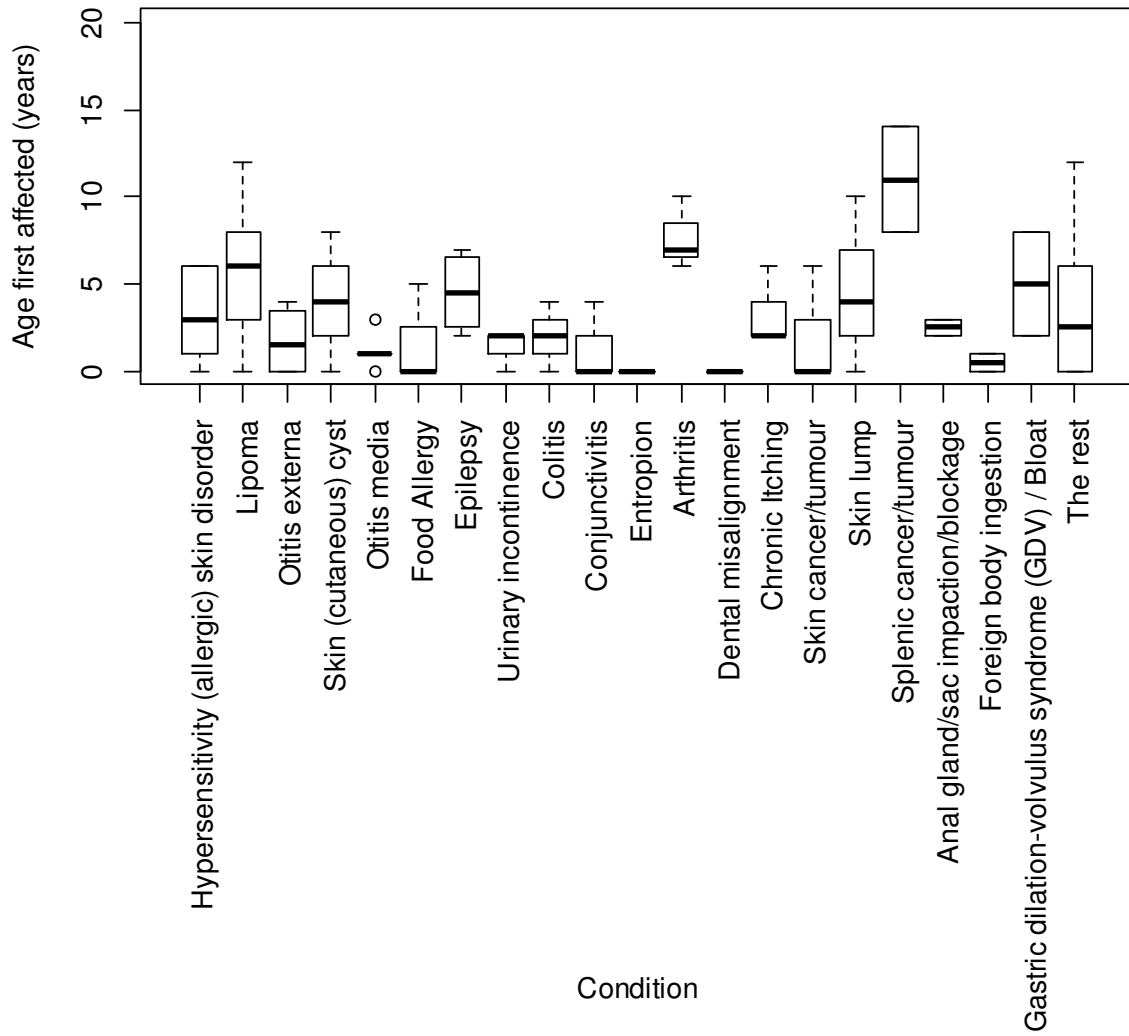


Figure 4: Box and whisker plot of age at diagnosis in years for the most common disease conditions in descending order. The solid line within each box represents the median age at diagnosis from the condition. The box represents 50% of the dogs and the whiskers represent 95% of the dogs for each condition.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

Table 5: The most commonly reported disease conditions in descending order for the breed (N = 172 live dogs)

Condition	Number of cases of disease	Proportion (%)	Prevalence (%)
Hypersensitivity (allergic) skin disorder	9	6.92	5.23
Lipoma	9	6.92	5.23
Otitis externa	8	6.15	4.65
Skin (cutaneous) cyst	6	4.62	3.49
Otitis media	5	3.85	2.91
Epilepsy	4	3.08	2.33
Food Allergy	4	3.08	2.33
Urinary incontinence	4	3.08	2.33
Arthritis	3	2.31	1.74
Chronic Itching	3	2.31	1.74
Colitis	3	2.31	1.74
Conjunctivitis	3	2.31	1.74
Dental misalignment	3	2.31	1.74
Entropion	3	2.31	1.74
Skin cancer/tumour	3	2.31	1.74
Skin lump	3	2.31	1.74
Anal gland/sac impaction/blockage	2	1.54	1.16
Blocked tear ducts	2	1.54	1.16
Dermatitis	2	1.54	1.16
Distichiasis	2	1.54	1.16

Proportion of morbidity as %= N/130 disease conditions, prevalence %= N/172 live dogs

Summary

From the dogs surveyed, most Italian Spinones were not affected by a disease condition (59.88%). There were two most commonly reported disease condition representing an equal proportion of the live dogs; these were hypersensitivity (allergic) skin disorder & lipoma. The most commonly reported cause of death was epilepsy.