



**THE KENNEL CLUB
DOG HEALTH**

Miniature Schnauzer

Pedigree Breed Health Survey

Forms were received representing 1019 living dogs & 78 deceased dogs.

Mortality results

A total of 78 deaths were reported, representing 1.39% of all deaths reported in the Pedigree Breed Health survey. The median longevity for the Miniature Schnauzer 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 = 78 deceased dogs).

Cause of death	Number of cases	Proportion (%)
Old Age	10	12.82
Cancer - unspecified	6	7.69
Hepatic liver tumour	5	6.41
Unknown	5	6.41
Cushing's Disease	4	5.13
Kidney Failure	4	5.13
Lymphoma	4	5.13
Road Traffic Accident	4	5.13
Brain tumour	3	3.85
Epilepsy	3	3.85
Liver Failure	3	3.85
Cardiac heart Failure	2	2.56
Diabetes	2	2.56
Liver tumour	2	2.56
Lung tumour	2	2.56
Old Age combinations	2	2.56
Seizure	2	2.56
Blind	1	1.28
Cardiomyopathy	1	1.28
Gastroenteritis	1	1.28

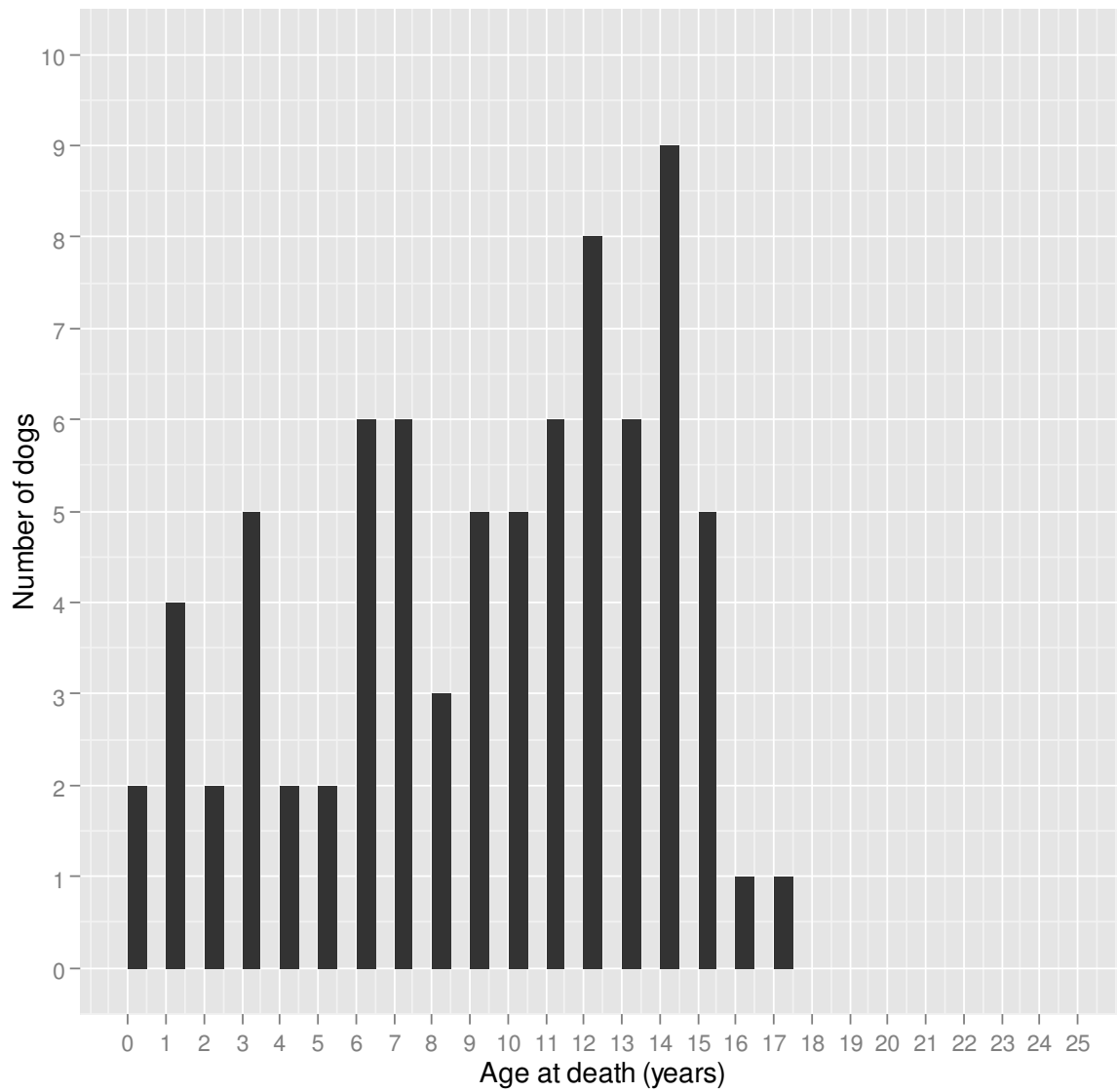


Figure 1: Histogram of the longevity for 78 reported deaths: overall median age at death was 10 years (minimum= 0 years, maximum= 17 years); mean age at death was 9.13 years

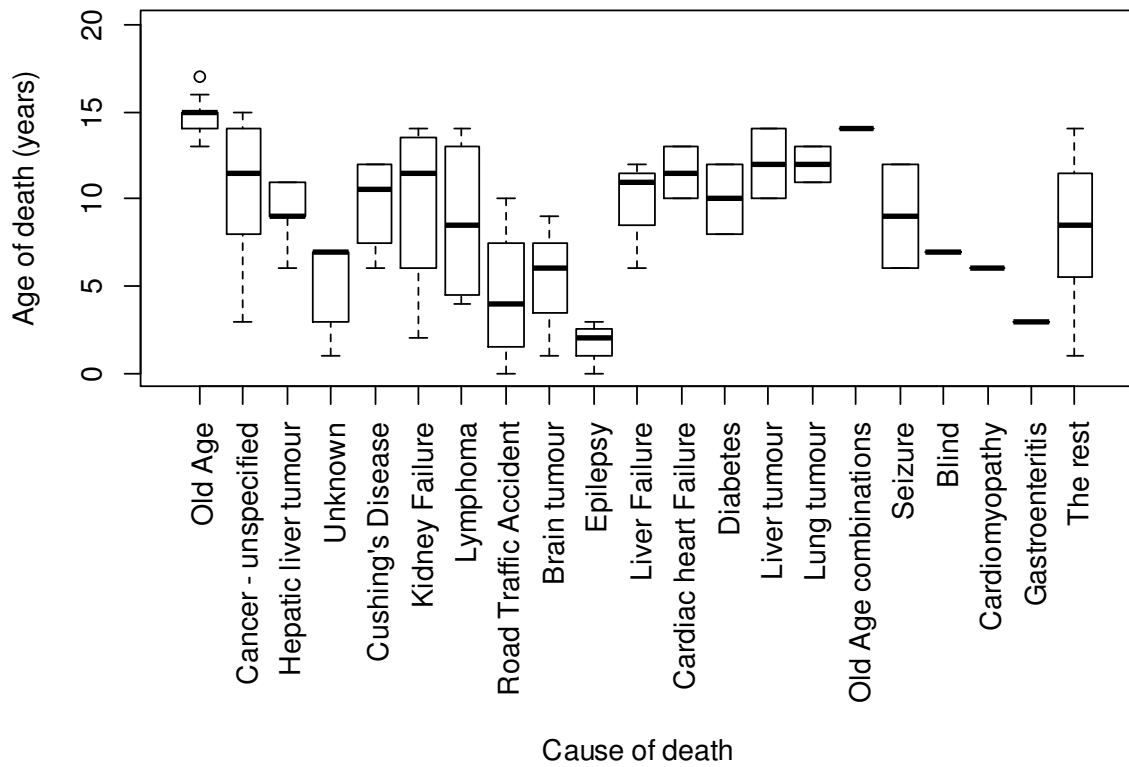


Figure 2: Box and whisker plot of age at death in years for the twenty most common causes of death (N=78). The solid line within each box represents the median age of death from the condition. The box represents 50% of the dogs and the whiskers represent 95% of the dogs for each condition. The circles (o) represent possible outliers

Morbidity results

The 1019 live Miniature Schnauzers represented 2.37% of total dogs in the survey. The median age of live dogs for the breed was 3 years (Table 2). Of the 1,019 Miniature Schnauzers which the survey covers, 707 had reported no conditions and 312 reported affected by at least one condition (min = 1 condition(s), max = 11 conditions), giving a total of 550 incidents of conditions.

The gender, neuter status and age of neutering summary statistics for Miniature Schnauzers are shown in Table 3. There were 890 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 Miniature Schnauzer.

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)
1,019	3.82	3	0	22

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	347	0.97	0	0	12
Female	Neutered	No	3	NA	NA	NA	NA
Female	Not neutered	No	137	NA	NA	NA	NA
Female	Unknown	No	6	NA	NA	NA	NA
Male	Neutered	Yes	279	0.60	0	0	8
Male	Not neutered	No	234	NA	NA	NA	NA
Male	Unknown	No	13	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	69	4.35	4	0	16
Normal	746	3.06	2	0	14
Somewhat overweight	66	4.82	4	0	13
Somewhat underweight	6	4.33	4.5	0	10
very overweight	1	4.00	4	4	4
Very underweight	2	5.00	5	0	10

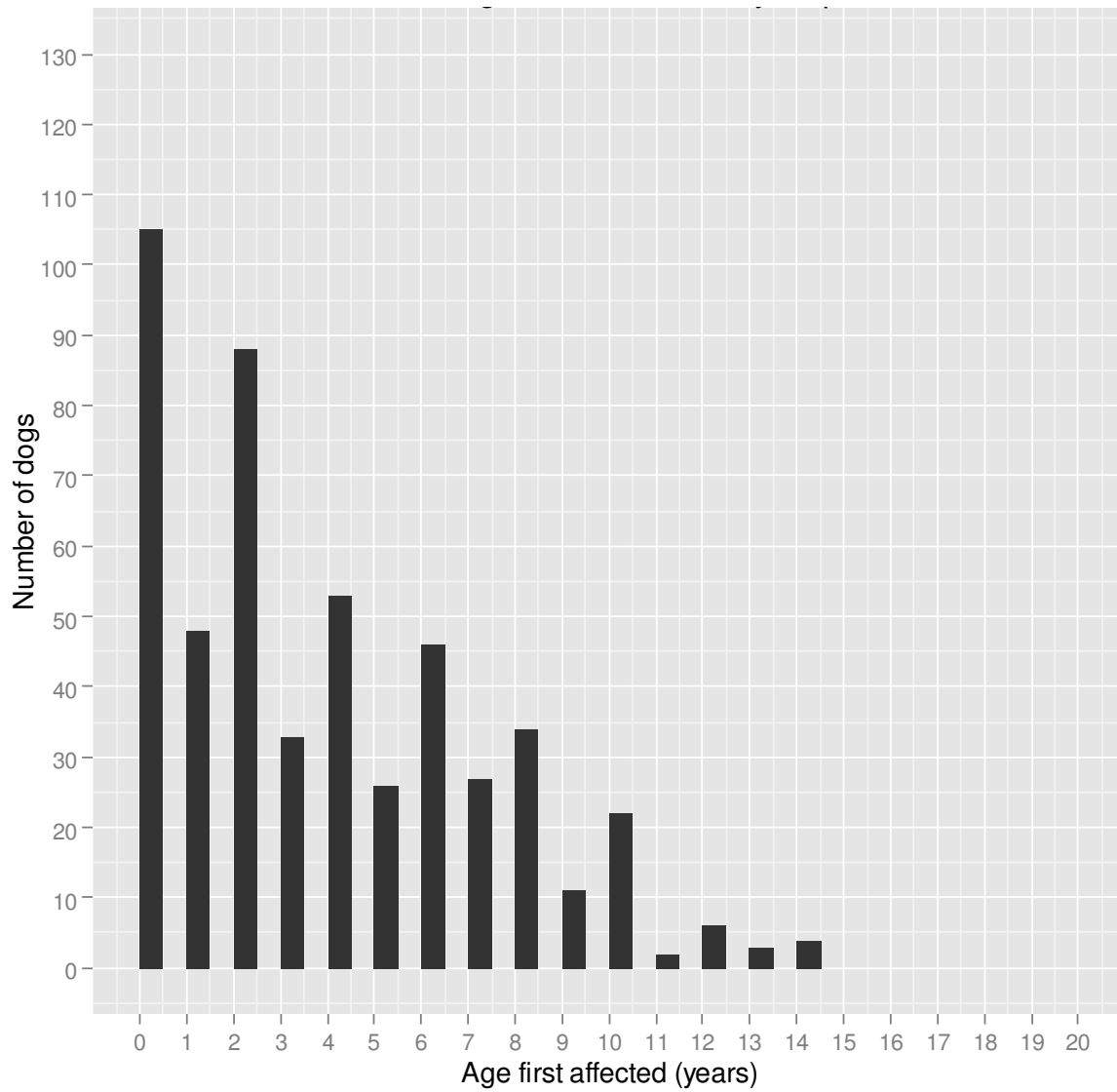


Figure 3: Histogram showing frequency of known age at diagnosis for the disease conditions reported

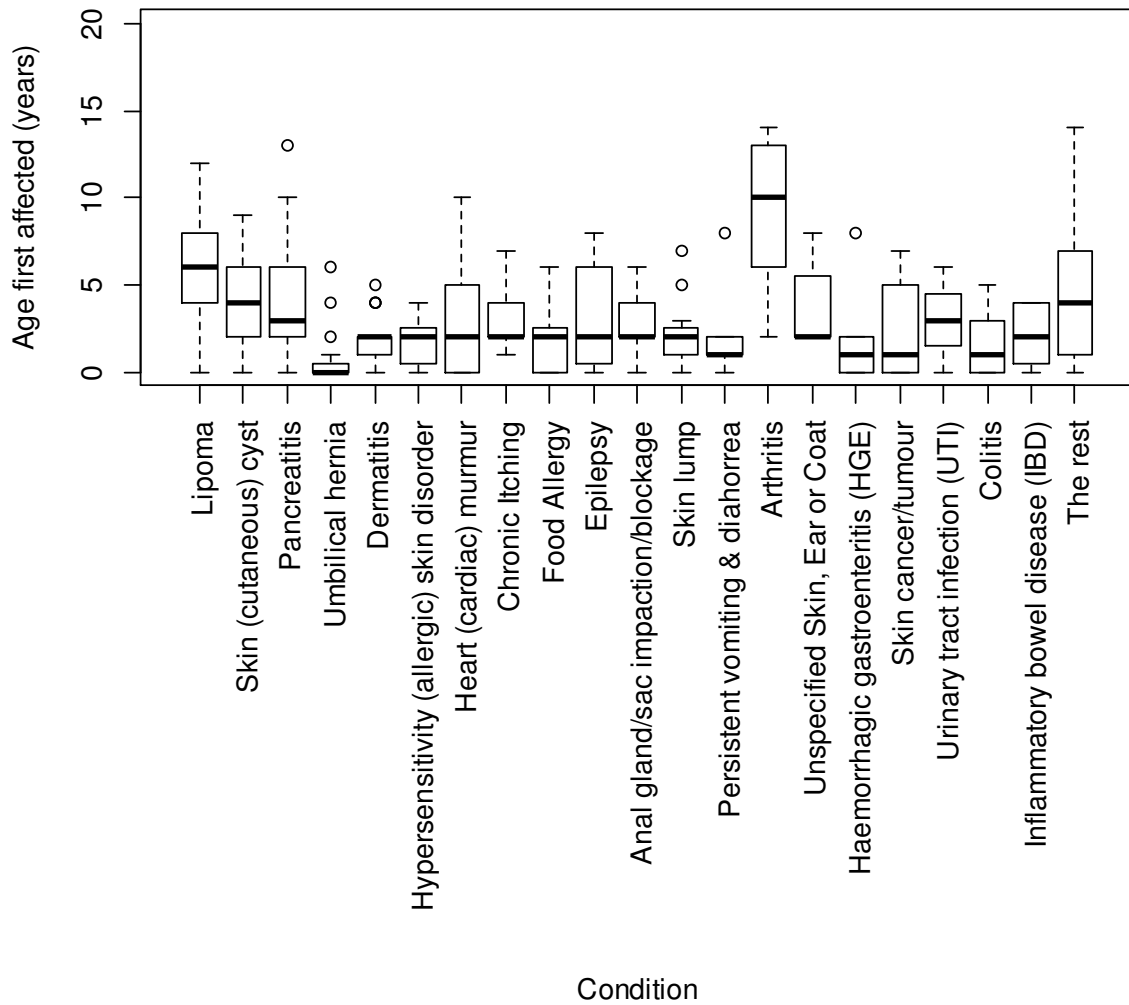


Figure 4: Box and whisker plot of age at diagnosis in years for the most common disease conditions in descending order. The solid line within each box represents the median age at diagnosis from the condition. The box represents 50% of the dogs and the whiskers represent 95% of the dogs for each condition.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

Table 5: The most commonly reported disease conditions in descending order for the breed (N = 1,019 live dogs)

Condition	Number of cases of disease	Proportion (%)	Prevalence (%)
Lipoma	46	8.36	4.51
Pancreatitis	34	6.18	3.34
Skin (cutaneous) cyst	31	5.64	3.04
Umbilical hernia	19	3.45	1.86
Dermatitis	17	3.09	1.67
Hypersensitivity (allergic) skin disorder	15	2.73	1.47
Chronic Itching	14	2.55	1.37
Heart (cardiac) murmur	14	2.55	1.37
Epilepsy	12	2.18	1.18
Food Allergy	12	2.18	1.18
Skin lump	11	2.00	1.08
Arthritis	10	1.82	0.98
Unspecified Skin Ear or Coat	10	1.82	0.98
Anal gland/sac impaction/blockage	10	1.82	0.98
Skin cancer/tumour	9	1.64	0.88
Persistent vomiting & diahorrea	9	1.64	0.88
Haemorrhagic gastroenteritis (HGE) (bloody diarrhoea and vomiting)	9	1.64	0.88
Urinary tract infection (UTI)	8	1.45	0.79
Unspecified tumour/cancer	7	1.27	0.69
Colitis	7	1.27	0.69

Proportion of morbidity as %= N/550 disease conditions, prevalence %= N/1,019 live dogs

Summary

From the dogs surveyed, most Miniature Schnauzers were not affected by a disease condition (68.38%). The most commonly reported disease condition in live dogs was lipoma. The most commonly reported cause of death was old age.