

## **Beagle**

### **Pedigree Breed Health Survey**

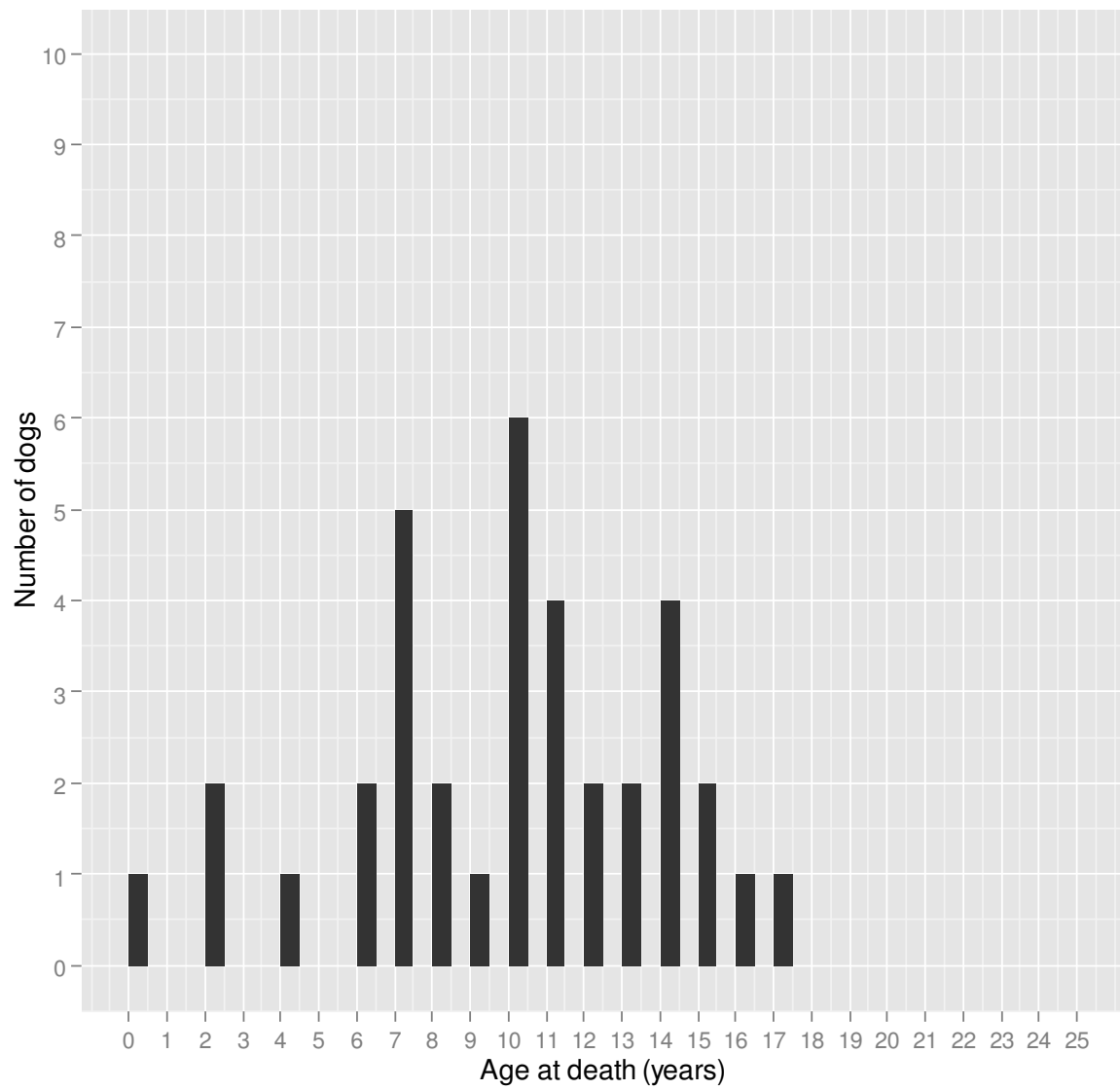
Forms were received representing 504 living dogs & 36 deceased dogs.

#### **Mortality results**

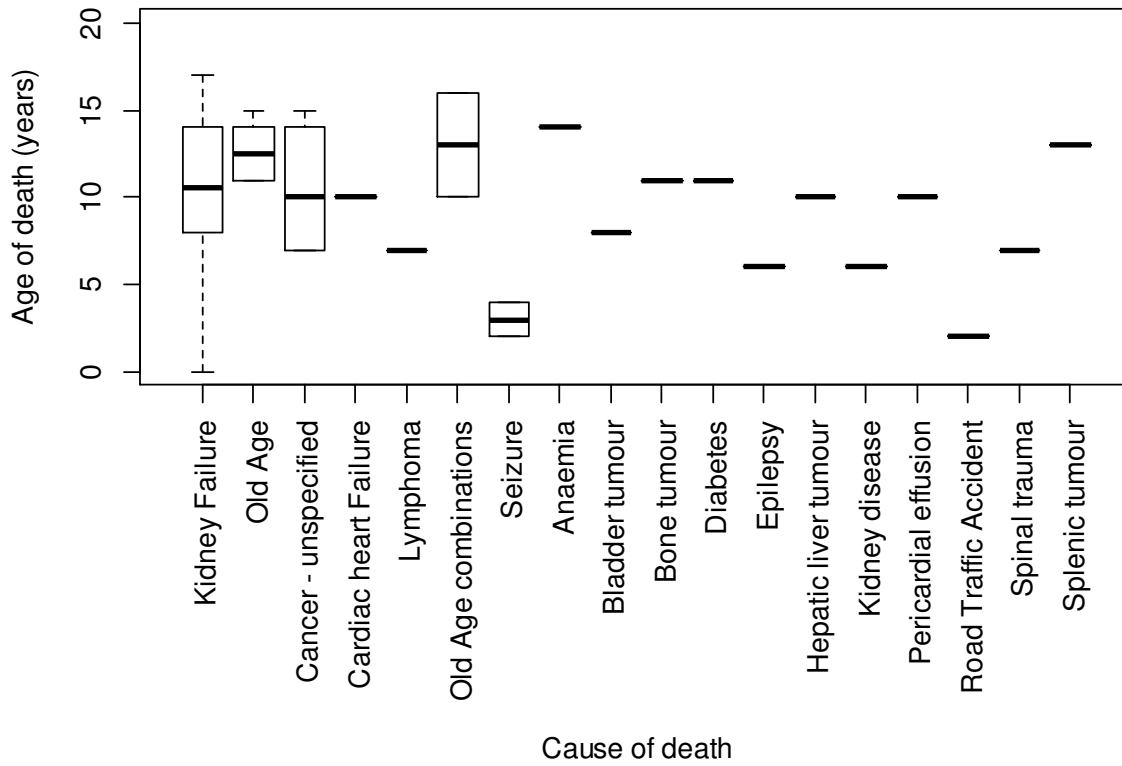
A total of 36 deaths were reported, representing 0.64% of all deaths reported in the Pedigree Breed Health survey. The median age for Beagle was 10 years (Figure 1). Table 1 shows the causes of death for the breed. Age at death is presented for the most common causes in Figure 2.

**Table 1** The causes of death/reasons for euthanasia (N = 36 deceased dogs)

<b>Cause of death</b>	<b>Number of cases</b>	<b>Proportion (%)</b>
Kidney Failure	6	16.67
Old Age	6	16.67
Cancer - unspecified	5	13.89
Cardiac heart Failure	2	5.56
Lymphoma	2	5.56
Old Age combinations	2	5.56
Seizure	2	5.56
Anaemia	1	2.78
Bladder tumour	1	2.78
Bone tumour	1	2.78
Diabetes	1	2.78
Epilepsy	1	2.78
Hepatic liver tumour	1	2.78
Kidney disease	1	2.78
Pericardial effusion	1	2.78
Road Traffic Accident	1	2.78
Spinal trauma	1	2.78
Splenic tumour	1	2.78



**Figure 1:** Histogram of the longevity for 36 reported deaths: overall median age at death was 10 years (minimum=0 years, maximum=17 years); mean age at death was 9.81 years



**Figure 2:** Box and whisker plot of age at death in years for the causes of death (N=36). 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 504 live Beagles represented 1.17% of total dogs in the survey. The median age of live dogs for the breed was 4 years (Table 2). Of the 504 Beagle which the survey covers, 321 had reported no conditions and 183 reported affected by at least one condition (min = 1 condition(s), max = 6 conditions), giving a total of 304 incidents of conditions.

The gender, neuter status and age of neutering summary statistics for Beagle's are shown in Table 3. There were 445 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= 13 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 Beagle.

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

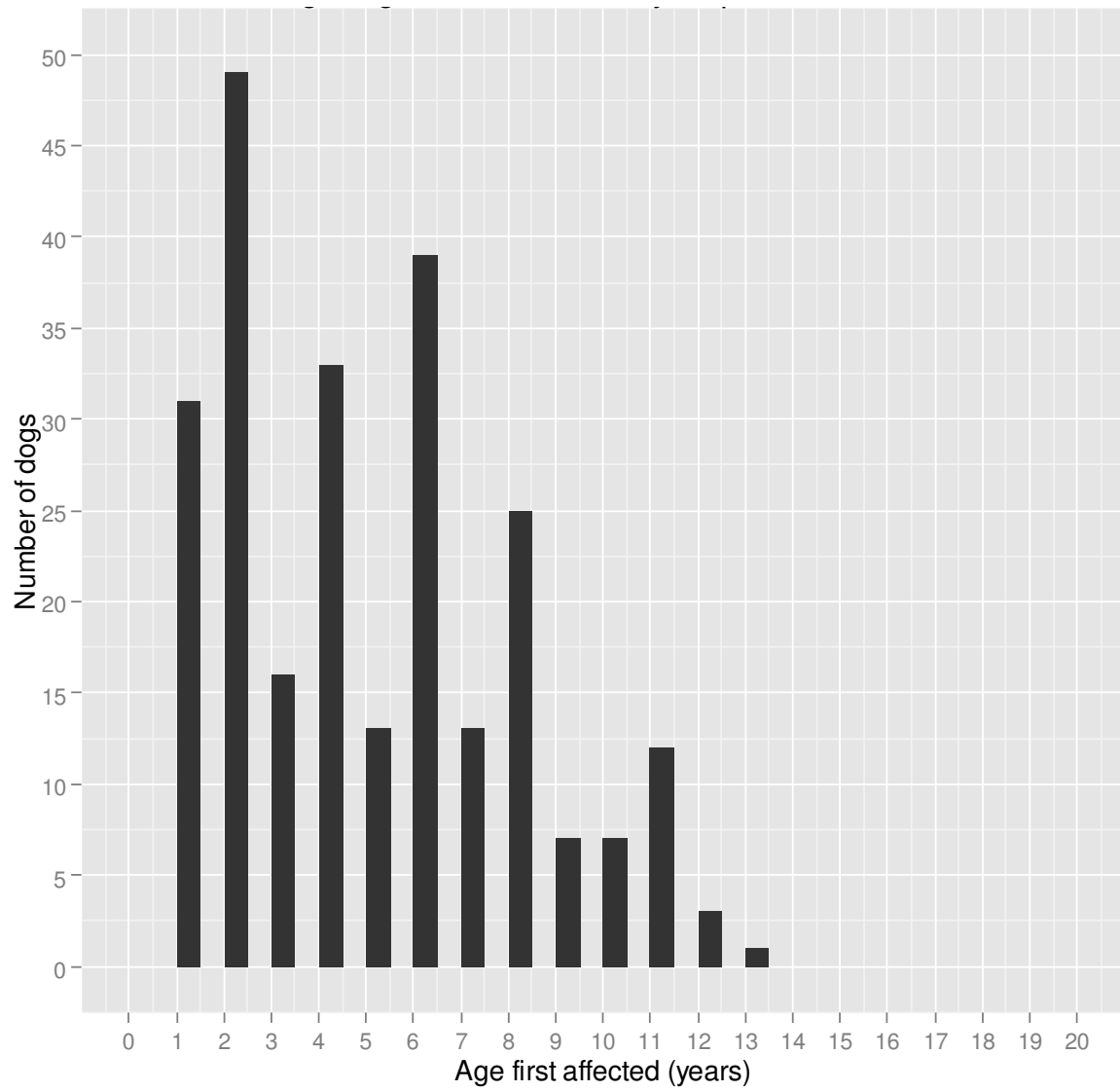
Number of Dogs	Mean age (years)	Median age (years)	Min age (years)	Max age (years)
504	4.15	4	0	14

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

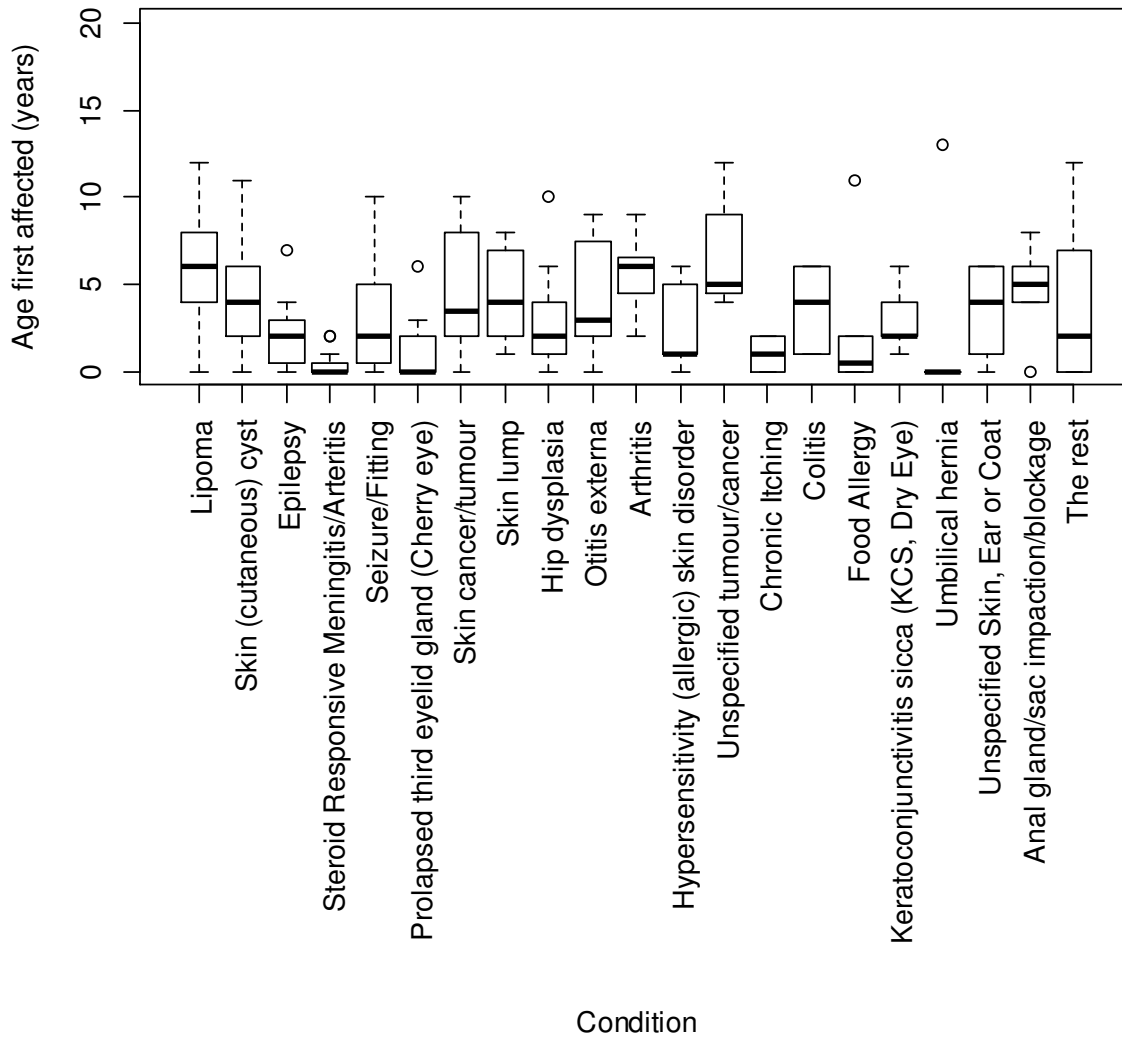
Sex	Neuter status	Age known	Count	Mean age neutered (years)	Median age neutered (years)	Min age neutered (years)
Female	Neutered	Yes	156	1.08	0	0
Female	Not neutered	No	79	NA	NA	NA
Female	Unknown	No	7	NA	NA	NA
Male	Neutered	Yes	142	0.65	0	0
Male	Neutered	No	1	NA	NA	NA
Male	Not neutered	No	111	NA	NA	NA
Male	Unknown	No	8	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	11	1.82	0	0	6
Normal	347	3.63	3	0	14
Somewhat overweight	80	4.53	4	0	9
Somewhat underweight	3	6.33	6	5	8
very overweight	3	5.33	5	5	6
Very underweight	1	8.00	8	8	8



**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 = 504 live dogs)

Condition	Number of cases of disease	Proportion (%)	Prevalence (%)
Lipoma	34	11.18	6.72
Skin (cutaneous) cyst	24	7.89	4.76
Epilepsy	16	5.26	3.17
Seizure/Fitting	13	4.27	2.38
Steroid Responsive Meningitis/Arteritis	12	3.94	2.57
Prolapsed third eyelid gland (Cherry eye)	10	3.29	1.98
Skin cancer/tumour	10	3.29	1.98
Hip dysplasia	9	2.96	1.79
Otitis externa	9	2.96	1.79
Arthritis	8	2.63	1.59
Hypersensitivity (allergic) skin disorder	8	2.63	1.59
Skin lump	8	2.63	1.59
Chronic Itching	7	2.30	1.39
Unspecified tumour/cancer	7	2.30	1.39
Colitis	6	1.97	1.19
Food Allergy	6	1.97	1.19
Keratoconjunctivitis sicca (KCS Dry Eye)	6	1.97	1.19
Umbilical hernia	6	1.97	1.19
Heart (cardiac) murmur	5	1.64	0.99
Unspecified Skin Ear or Coat	5	1.64	0.99

Proportion of morbidity as %= N/304 disease conditions, prevalence %= N/504 live dogs

### **Summary**

From the dogs surveyed, most Beagles were not affected by a disease condition (63.69%). The most commonly reported disease condition in live dogs was Lipoma. There were two causes of death that represented an equal proportion of the deaths; these causes were kidney failure & old age.