



## **Flat Coated Retriever**

### **Pedigree Breed Health Survey**

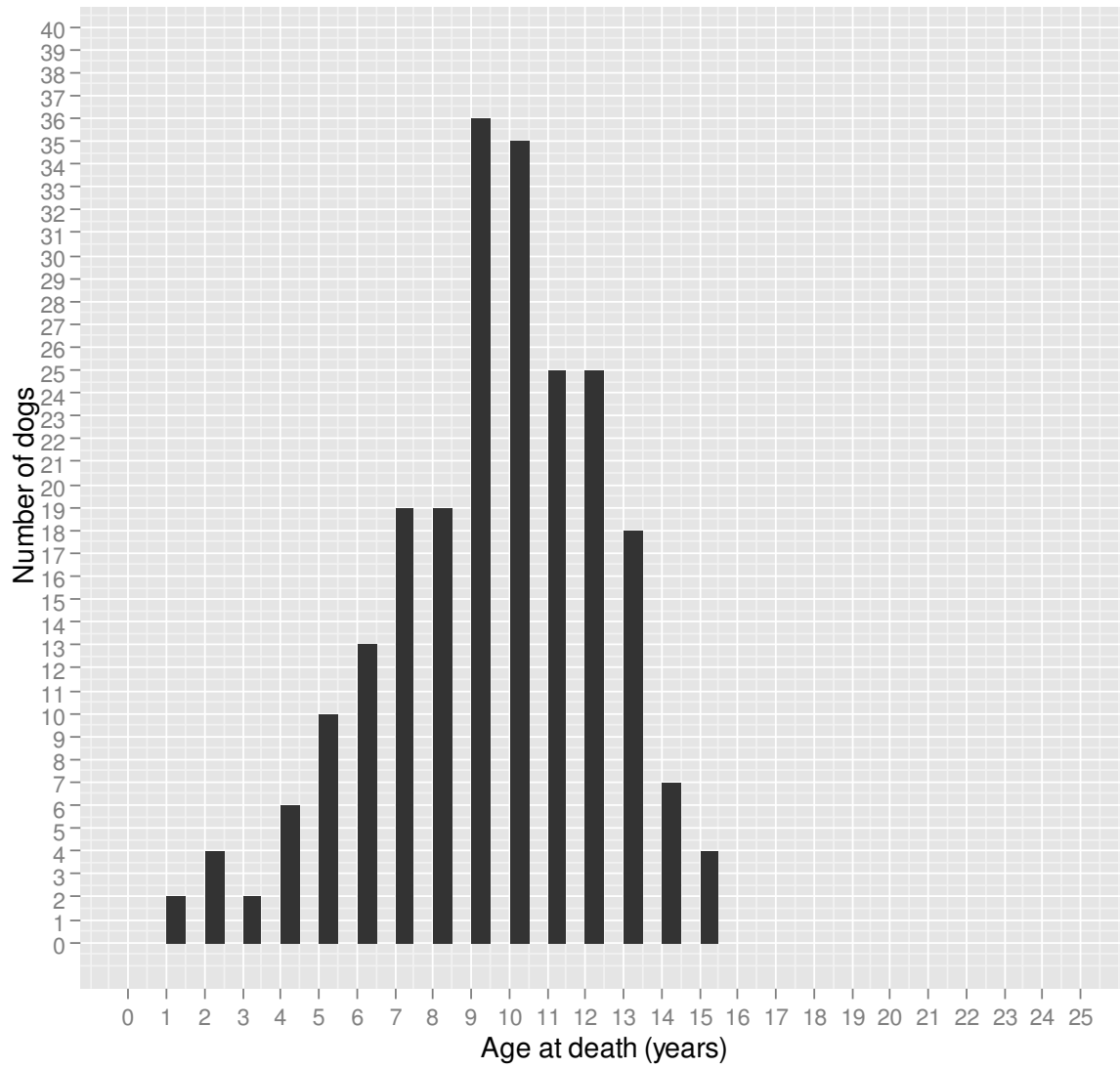
Forms were received representing 672 living dogs & 225 deceased dogs.

#### **Mortality results**

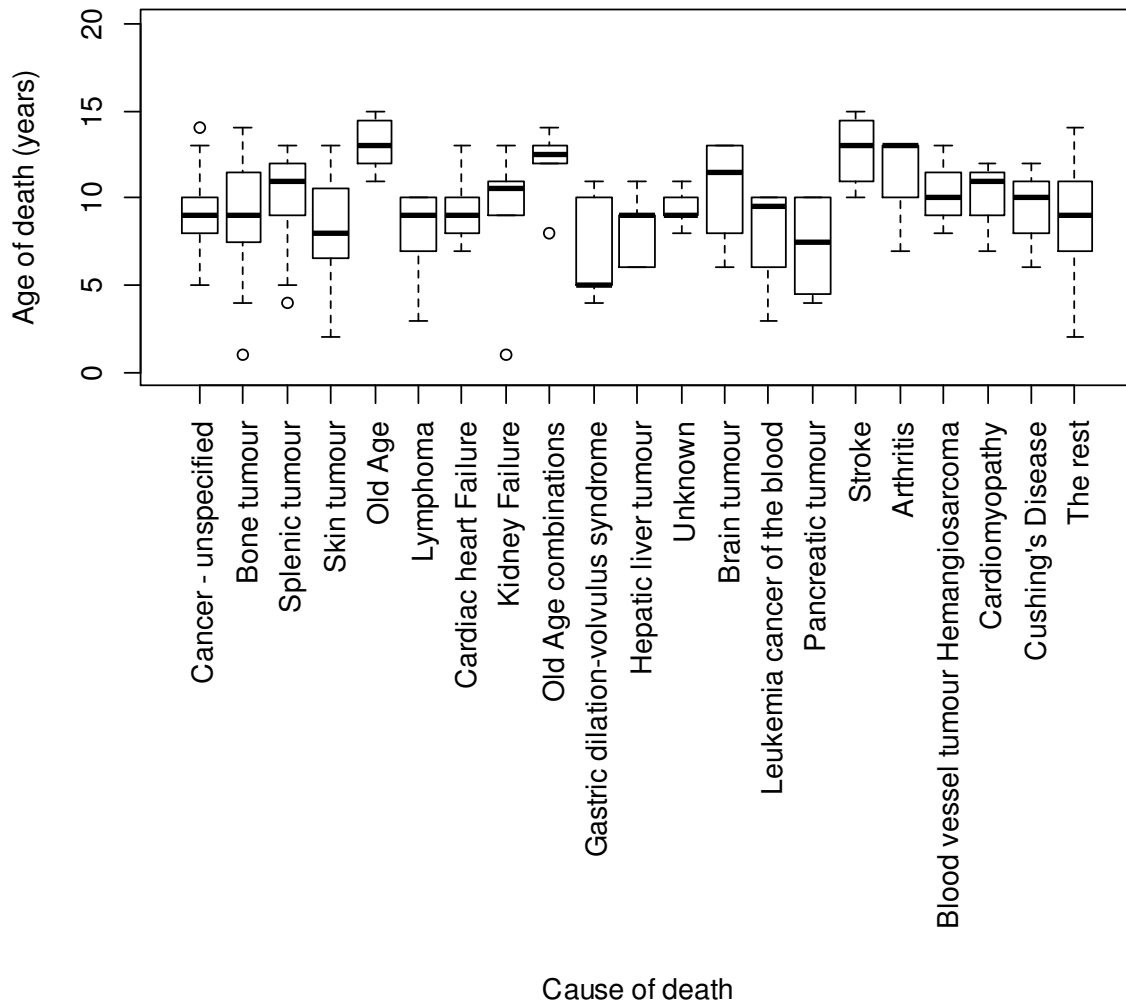
A total of 225 deaths were reported, representing 4.01% of all deaths reported in the Pedigree Breed Health survey. The median longevity for the Flat Coated Retriever was 10 years (Figure 1). Table 1 shows the causes of death for the breed. Age at death is presented for the most common causes in Figure 2.

**Table 1** The twenty most common causes of death/reasons for euthanasia (N = 225 deceased dogs).

<b>Cause of death</b>	<b>Number of cases</b>	<b>Proportion (%)</b>
Cancer - unspecified	44	19.56
Bone tumour	24	10.67
Splenic tumour	18	8.00
Skin tumour	12	5.33
Old Age	11	4.89
Lymphoma	9	4.00
Cardiac heart Failure	6	2.67
Kidney Failure	6	2.67
Old Age combinations	6	2.67
Gastric dilation-volvulus syndrome (GDV)/Bloat	5	2.22
Hepatic (liver) tumour	5	2.22
Unknown	5	2.22
Brain tumour	4	1.78
Leukemia (cancer of the blood)	4	1.78
Pancreatic tumour	4	1.78
Stroke	4	1.78
Arthritis	3	1.33
Blood vessel tumour (Hemangiosarcoma)	3	1.33
Cardiomyopathy	3	1.33
Cushing's Disease	3	1.33



**Figure 1:** Histogram of the longevity for 225 reported deaths: overall median age at death was 10 years (minimum= 1 years, maximum= 15 years); mean age at death was 9.31 years



**Figure 2:** Box and whisker plot of age at death in years for the twenty most common causes of death (N=225). 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 672 live Flat Coated Retrievers represented 1.57% of total dogs in the survey. The median age of live dogs for the breed was 4 years (Table 2). Of the 672 Flat Coated Retrievers which the survey covers, 376 had reported no conditions and 296 reported affected by at least one condition (min = 1 condition(s), max = 12 conditions), giving a total of 581 incidents of conditions.

The gender, neuter status and age of neutering summary statistics for Flat Coated Retrievers are shown in Table 3. There were 557 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= 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 Flat Coated Retriever.

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

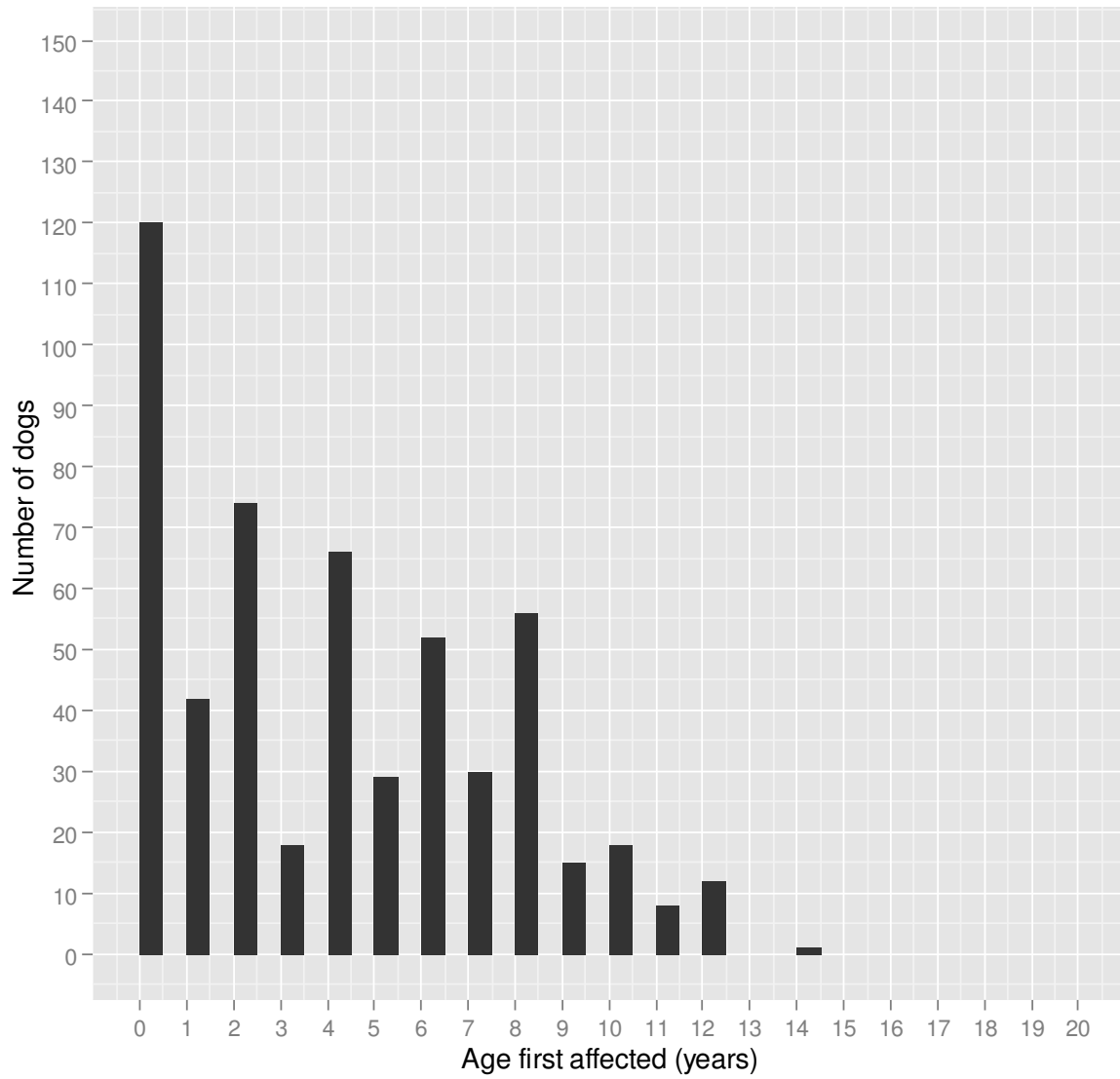
<b>Number of Dogs</b>	<b>Mean age (years)</b>	<b>Median age (years)</b>	<b>Min age (years)</b>	<b>Max age (years)</b>
672	4.8183161	4	0	19

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

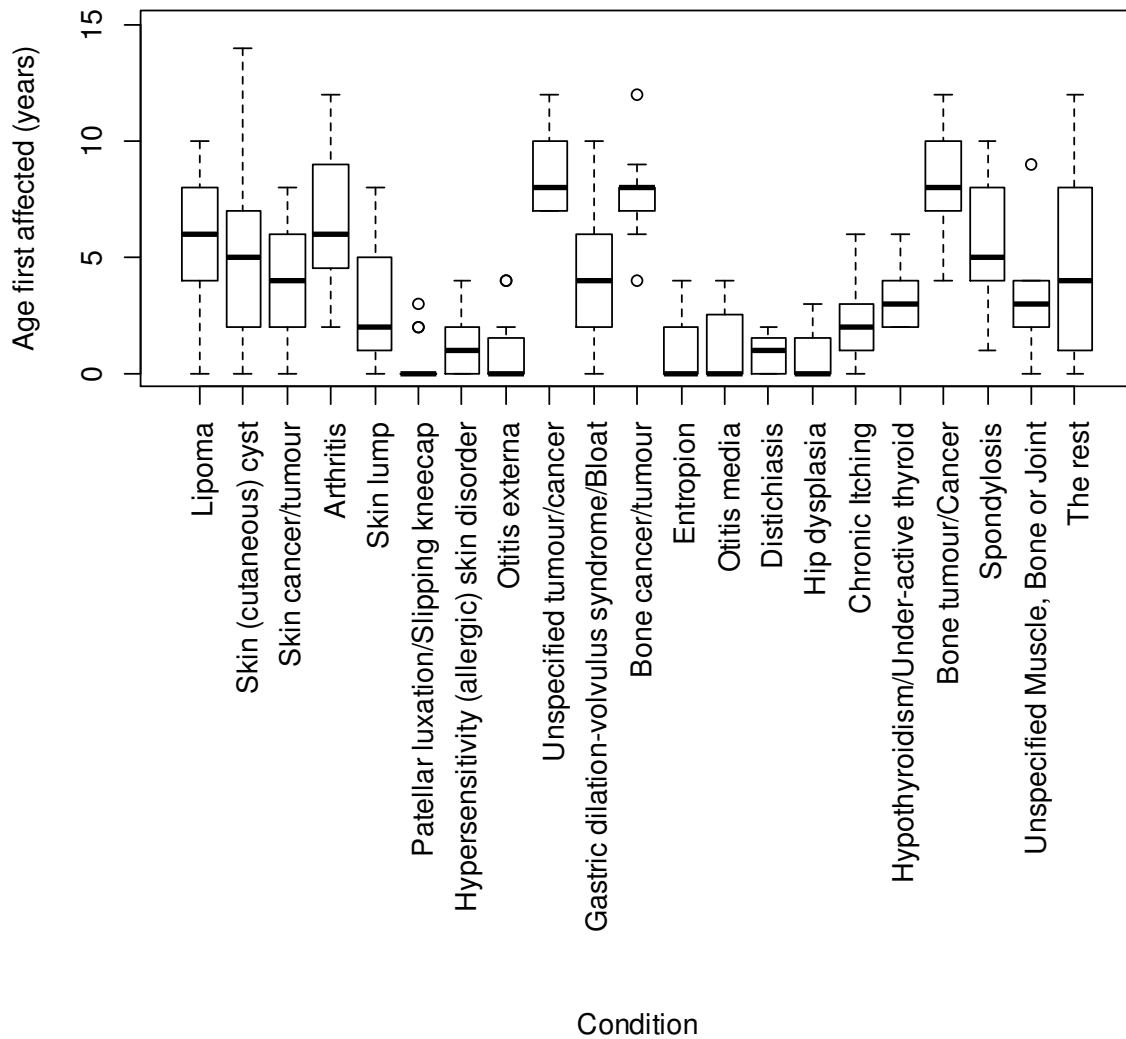
<b>Sex</b>	<b>Neuter status</b>	<b>Age known</b>	<b>Count</b>	<b>Mean age neutered (years)</b>	<b>Median age neutered (years)</b>	<b>Min age neutered (years)</b>	<b>Max age neutered (years)</b>
Female	Neutered	Yes	182	1.95	1	0	12
Female	Neutered	No	3	NA	NA	NA	NA
Female	Not neutered	No	140	NA	NA	NA	NA
Female	Unknown	No	12	NA	NA	NA	NA
Male	Neutered	Yes	141	1.43	1	0	10
Male	Neutered	No	4	NA	NA	NA	NA
Male	Not neutered	No	181	NA	NA	NA	NA
Male	Unknown	No	8	NA	NA	NA	NA

**Table 4:** The body condition comment and the age of the dog when this comment was made

<b>Body condition</b>	<b>Count</b>	<b>Mean age comment made (years)</b>	<b>Median age comment made (years)</b>	<b>Min age comment made (years)</b>	<b>Max age comment made (years)</b>
No comment was made by vet	27	3.74	2	0	14
Normal	496	4.18	4	0	14
Somewhat overweight	25	4.40	4	0	10
Somewhat underweight	9	7.11	7	0	15



**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 = 672 live dogs)

Condition	Number of cases of disease	Proportion (%)	Prevalence (%)
Lipoma	85	14.63	12.65
Skin (cutaneous) cyst	40	6.88	5.95
Skin cancer/tumour	33	5.68	4.91
Arthritis	26	4.48	3.87
Skin lump	25	4.3	3.72
Hypersensitivity (allergic) skin disorder	22	3.79	3.27
Patellar luxation/Slipping kneecap	22	3.79	3.27
Otitis externa	15	2.58	2.23
Unspecified tumour/cancer	14	2.41	2.08
Gastric dilation-volvulus syndrome (GDV) / Bloat	12	2.07	1.79
Bone cancer/tumour	11	1.89	1.64
Entropion	9	1.55	1.34
Otitis media	9	1.55	1.34
Chronic Itching	8	1.38	1.19
Distichiasis	8	1.38	1.19
Hip dysplasia	8	1.38	1.19
Bone tumour/Cancer	7	1.2	1.04
Hypothyroidism/Under-active thyroid	7	1.2	1.04
Spondylosis	7	1.2	1.04
Unspecified Muscle, Bone or Joint	7	1.2	1.04

Proportion of morbidity as %= N/581 disease conditions, prevalence %= N/672 live dogs

### **Summary**

From the dogs surveyed, most Flat Coated Retrievers were not affected by a disease condition (55.95%). The most commonly reported disease condition in live dogs was lipoma. The most commonly reported cause of death was unspecified cancer.