



## **Shar Pei**

### **Pedigree Breed Health Survey**

Forms were received representing 118 living dogs & 17 deceased dogs.

#### **Mortality results**

A total of 17 deaths were reported, representing 0.30% of all deaths reported in the Pedigree Breed Health survey. The range of longevity for the Shar Pei was 0 years to 10 years. Table 1 shows the causes of death for the breed.

**Table 1** The most common causes of death/reasons for euthanasia (N = 17 deceased dogs).

| <b>Cause of death</b>                         |
|---|
| Kidney Failure                                |
| Lymphoma                                      |
| Addison's disease primary hypoadrenocorticism |
| Cancer - unspecified                          |
| Cardiomyopathy                                |
| Gastric dilation-volvulus syndrome GDV Bloat  |
| Inflammatory Bowel disease                    |
| Kidney disease                                |
| Lung tumour                                   |
| Prostate tumour                               |
| Seizure                                       |
| Skin tumour                                   |
| Sudden death                                  |
| Unknown                                       |

#### **Morbidity results**

The 118 live Shar Peis represented 0.27% of total dogs in the survey. The median age of live dogs for the breed was 3.5 years (Table 2). Of the 118 Shar Peis which the survey covers, 42 had reported no conditions and 76 reported affected by at least one condition (min = 1 condition(s), max = 7 conditions), giving a total of 158 incidents of conditions.

The gender, neuter status and age of neutering summary statistics for Shar Pei are shown in Table 3. There were 98 dogs with responses for Body Condition displayed in Table 4.

The median age the dogs were first affected by a condition was 3.5 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 Shar Pei.

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

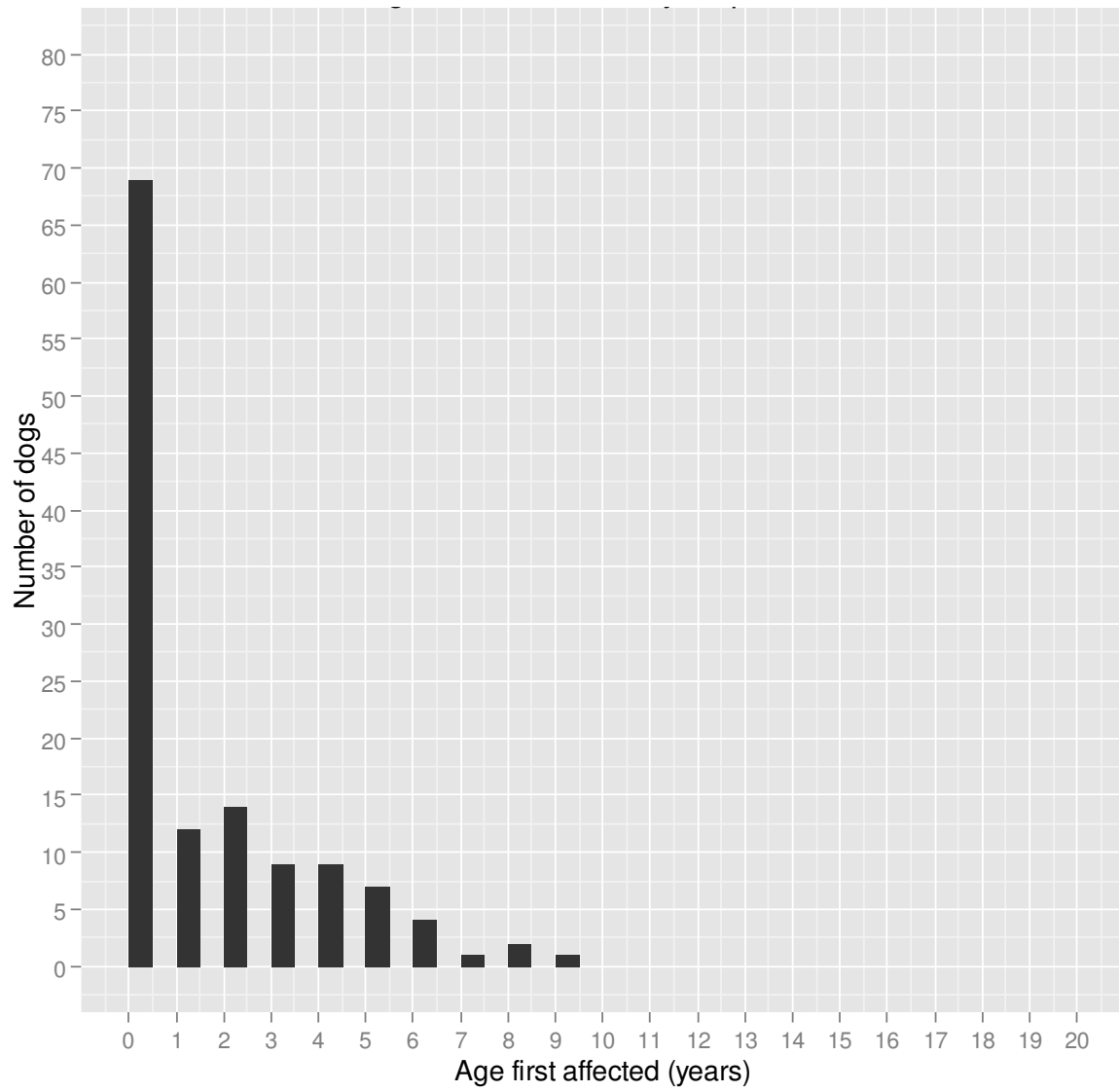
| Number of Dogs | Mean age (years) | Median age (years) | Min age (years) | Max age (years) |
|----------------|------------------|--------------------|-----------------|-----------------|
| 118            | 3.88             | 3.5                | 0               | 10              |

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

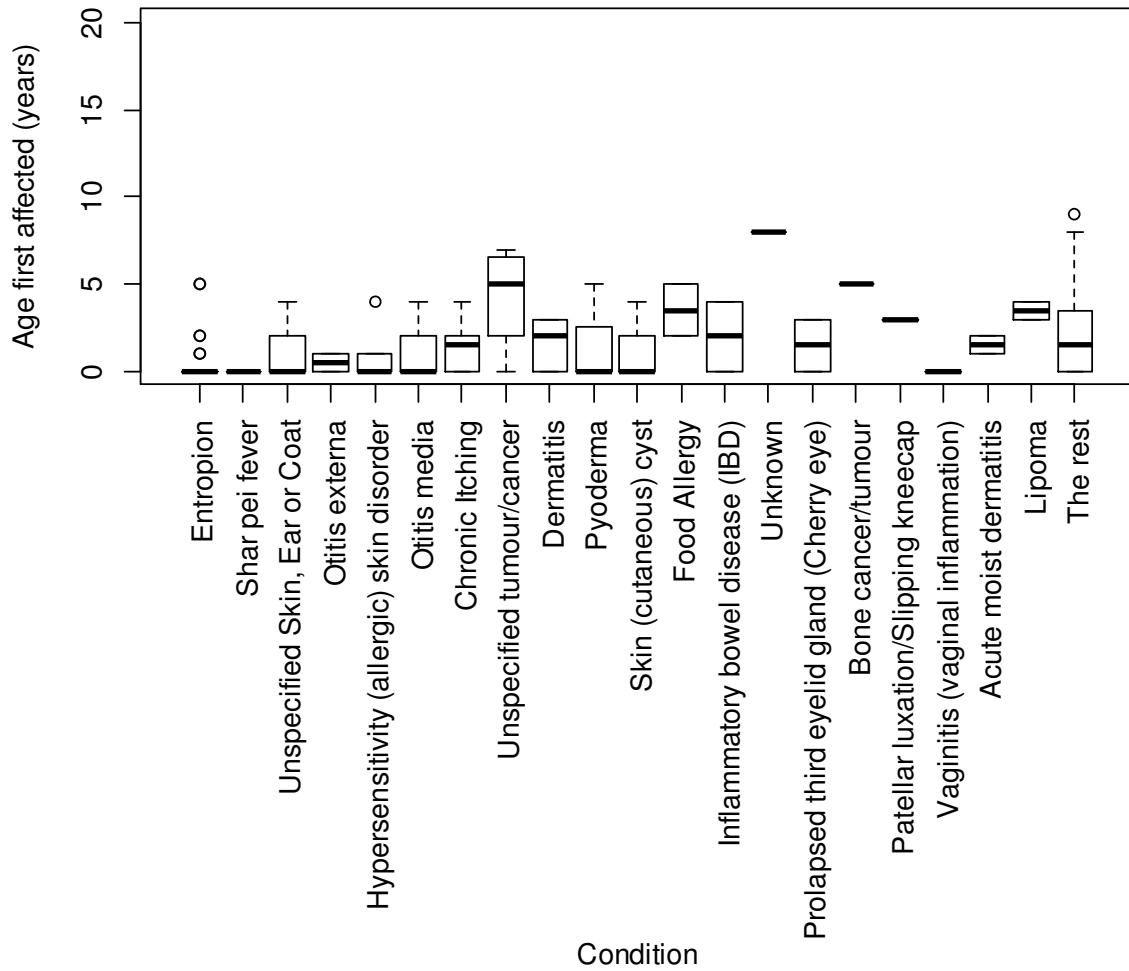
| Sex    | Neuter status | Age known | Count | Mean age neutered (years) | Median age neutered (years) | Min age neutered (years) | Max age neutered (years) |
|--------|---------------|-----------|-------|---------------------------|-----------------------------|--------------------------|--------------------------|
| Female | Neutered      | Yes       | 34    | 1.32                      | 0.5                         | 0                        | 6                        |
| Female | Not neutered  | No        | 24    | NA                        | NA                          | NA                       | NA                       |
| Female | Unknown       | No        | 2     | NA                        | NA                          | NA                       | NA                       |
| Male   | Neutered      | Yes       | 30    | 1                         | 0.5                         | 0                        | 8                        |
| Male   | Not neutered  | No        | 25    | NA                        | NA                          | NA                       | NA                       |
| Male   | Unknown       | No        | 3     | 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 | 1     | 6.00             | 6                  | 6               | 6               |
| Normal                     | 82    | 2.90             | 2                  | 0               | 10              |
| Somewhat overweight        | 9     | 5.56             | 6                  | 2               | 8               |
| Somewhat underweight       | 5     | 3.80             | 4                  | 2               | 6               |
| Very underweight           | 1     | 7.00             | 7                  | 7               | 7               |



**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 = 118 live dogs)

| Condition                                 | Number of cases of disease | Proportion (%) | Prevalence (%) |
|---|----------------------------|----------------|----------------|
| Entropion                                 | 31                         | 19.62          | 26.27          |
| Shar pei fever                            | 13                         | 8.23           | 11.02          |
| Unspecified Skin, Ear or Coat             | 10                         | 6.33           | 8.47           |
| Otitis externa                            | 8                          | 5.06           | 6.78           |
| Hypersensitivity (allergic) skin disorder | 7                          | 4.43           | 5.93           |
| Otitis media                              | 7                          | 4.43           | 5.93           |
| Chronic Itching                           | 6                          | 3.80           | 5.08           |
| Dermatitis                                | 5                          | 3.16           | 4.24           |
| Unspecified tumour/cancer                 | 5                          | 3.16           | 4.24           |
| Food Allergy                              | 3                          | 1.90           | 2.54           |
| Pyoderma                                  | 3                          | 1.90           | 2.54           |
| Skin (cutaneous) cyst                     | 3                          | 1.90           | 2.54           |
| Acute moist dermatitis                    | 2                          | 1.27           | 1.69           |
| Bone cancer/tumour                        | 2                          | 1.27           | 1.69           |
| Chronic (long-term) kidney failure        | 2                          | 1.27           | 1.69           |
| Inflammatory bowel disease (IBD)          | 2                          | 1.27           | 1.69           |
| Lipoma                                    | 2                          | 1.27           | 1.69           |
| Patellar luxation/Slipping kneecap        | 2                          | 1.27           | 1.69           |
| Prolapsed third eyelid gland (Cherry eye) | 2                          | 1.27           | 1.69           |
| Unknown                                   | 2                          | 1.27           | 1.69           |

Proportion of morbidity as %= N/158 disease conditions, prevalence %= N/118 live dogs

### **Summary**

From the dogs surveyed, most Shar Peis were affected by a disease condition (64.41%). The most commonly reported disease condition in live dogs was entropion. The most commonly reported cause of death was kidney failure.