### Question 9

**Some examples of liver conditions**
- Acute liver failure
- Amyloidosis of the liver
- Cholangiohepatitis
- Chronic liver disease/failure
- Copper toxicosis
- Hepatitis
- Polycystic liver (and kidney) disease
- Portosystemic shunt
- Cancer (please specify location, eg bile duct and type, eg carcinoma)
- Traumatic injury (please specify location)

### Question 10

**Some examples of urinary tract conditions**
- Kidney
  - Acute kidney failure
  - Amyloidosis of the kidneys
  - Chronic kidney failure
  - Cystinuria
  - Tubular transport dysfunction (Fanconi’s syndrome)
- Kidney stones (uroliths, please specify type if known)
- Polycystic kidney disease
- Protein-losing nephropathy (PLN)
- Pyelonephritis
- Renal dysplasia
- Ureters
- Ectopic ureters
- Bladder
  - Bladder stones (cystouroliths, please specify type if known)
  - Bladder infection (cystitis)
- Urethra
- Urethral obstruction
- Cancer (please specify location, eg bladder and type, eg transitional cell carcinoma)
- Traumatic injury (please specify location)

### Question 11

**Some examples of blood conditions**
- Anaemia
  - Autoimmune haemolytic anemia
  - Phosphofructokinase (PFK) enzyme deficiency
  - Pyruvate kinase (PK) enzyme deficiency
- Bleeding disorders/Coagulation factor deficiencies
  - Factor 7 deficiency
  - Fibrinogen deficiency
  - Haemophilia A
  - Platelet disorder
- Immune-mediated thrombocytopenia
- Von Willebrand disease (VWD)
- Femoral artery occlusive disease
- Immune system disorders
  - Canine cyclic neutropenia (hematopoiesis)
  - Canine leucocyte adhesion deficiency (CLAD)
  - Complement (C3) deficiency
  - Immunoglobulin A (IgA) deficiency
  - Severe combined immunodeficiency disease (SCID)
- Cancer (please specify location, eg lymph nodes and spleen [multicentric] and type, eg lymphosarcoma [lymphoma])

### Question 12

**Some examples of hormonal (endocrine) conditions**
- Brain/pituitary gland
  - Acromegaly (Giantism)
  - Diabetes insipidus (Water diabetes)
  - Pituitary dwarfism
- Adrenal glands
  - Addison’s disease (hypoadrenocorticism)
  - Cushings’s disease (hyperadrenocorticism)
- Pancreas
  - Diabetes mellitus (Sugar diabetes)
- Thyroid gland
  - Hyperthyroidism (too much thyroid hormone)
  - Hypothyroidism (not enough thyroid hormone)
- Parathyroid glands
  - Hyperparathyroidism (too much parathyroid hormone)
  - Hypoparathyroidism (not enough parathyroid hormone)

### SECTION C - Question 22

**Some examples of birth defects and congenital conditions**
- Cleft palate/lip
- Cryptorchid (undescended testicle[s])
- Extra teeth
- Fading puppies
- Heart defects
- Incomplete abdominal wall (umbilical hernia)
- Liver shunt (portosystemic shunt)
- Missing teeth
- Spina biilia
- Traumatic injury (please specify location)
- Vascular anomalies

These lists are not all-inclusive so please do write down a condition that is not on a list if one of your dogs has been diagnosed with it.
Appendix

Instructions for the survey

Please read the instructions for each section carefully.

Section A is about dogs of your breed that are alive and that you currently own.

Section B is about all dogs of your breed that you have owned and bred in the past 10 years.

Section C is about conditions that puppies have been born with in the past 10 years.

Section D is about the causes of death for all your adult purebred dogs that have died or been euthanased in the past 10 years.

Please answer each question as accurately as possible.

Please write in BLOCK CAPITALS as clearly as you can.

Please mark all check boxes with an X as shown:

[X] Yes

Each questionnaire is designed to be completed for ten dogs of the same breed. If you own more than 10 dogs of the same breed, or dogs of a different breed, please ask your breed club for an additional questionnaire. Alternatively, you have the permission of the Kennel Club to make a copy(ies) of the questionnaire to allow you to complete the survey for all your dogs/breeds.

All information that you provide will be kept strictly confidential and anonymous.

Please tell us about any difficulties that you had understanding or answering any of the questions.

There is room on the last page for any additional comments you may wish to make.

Your help with this survey is greatly appreciated.
### Question 1
**Some examples of digestive system conditions**
- Oral cavity and teeth
  - Retained puppy teeth
- Oesophagus
  - Megaoesophagus
  - Vascular anomaly causing stricture or dilation
- Stomach
  - Bloat or Gastric Torsion/Volvulus (GDV)
  - Pyloric stenosis
- Intestines
  - Allergy to wheat products (Gluten-sensitive enteropathy)
  - Anal turunculosis/ Perianal fistula
  - Chronic colitis/diarrhoea
  - Infectious (Campylobacter, Parvovirus)
  - Inflammatory bowel disease
  - Telescoping bowel (intussusception)
  - Protein-losing enteropathy (PLE)
- Pancreas
  - Exocrine pancreatic insufficiency (EPI)
  - Pancreatitis
- Cancer (please specify location, eg intestinal and type, eg lymphosarcoma)
- Foreign body obstruction (please specify location)
- Traumatic injury (please specify location)

### Question 2
**Some examples of respiratory conditions**
- Nose
  - Rhinitis
  - Constricted nostrils
- Pharynx (throat)
  - Long soft palate
- Larynx (voicebox)
  - Laryngeal paralysis
- Trachea
  - Hypoplastic trachea
  - Tracheal collapse
- Bronchi
  - Chronic bronchitis
  - Kennel cough
- Lungs
  - Lung lobe torsion
  - Pneumonia
  - Pleural cavity
  - Pyothorax (pus in chest)
- Cancer (please specify location, eg lung and type, eg carcinoma)
- Traumatic injury (please specify location)

### Question 3
**Some examples of heart conditions**
- Congenital heart defect
  - Atrial septal defect
  - Patent ductus arteriosus
  - Persistent right aortic arch
  - Tetralogy of Fallot
- Heart failure
- Heart murmur (give grade if known, eg. IV or 4)
  - With clinical signs
  - Without any clinical signs
- Heart muscle condition
  - Dilated cardiomyopathy
- Heart rhythm disorders
  - Atrial fibrillation
  - Slow or fast that required pacing
- Heart valve conditions
  - Mitral valve disease
  - Tricuspid valve disease
  - Aortic/Subaortic stenosis
  - Pulmonic stenosis
- Pericardial disease
- Pericardial effusion
- Cancer (please specify location, eg atria and type, eg haemangiosarcoma)
- Traumatic injury

### Question 4
**Some examples of eye conditions**
- Cornea
  - Dry eye (KCS or Keratoconjunctivitis sicca)
  - Pannus
  - Ulcer
- Eyelash abnormalities
- Extra eyelashes (distichiasis)
- Eyelid abnormalities
  - Buckled cartilage of the 3rd eyelid
  - Cherry eye (prolapsed gland of the 3rd eyelid)
  - Outward drooping of eyelid (ectropion)
  - Inward turning eyelid (entropion)
- Glaucoma/Goniodygenesis
- Lens problems
  - Cataracts
  - Lens luxation
- Pannus
- Persistent hyperplastic primary vitreous (PHPV)
- Persistent pupillary membrane (PPM)
- Retinal abnormalities
  - Collie eye anomaly (CEA)
  - Hemeralopia (day-blindness)
  - Multifocal retinal dysplasia (MRD)
  - Progressive retinal atrophy (PRA)
    - Central (pigment epithelial dystrophy)
    - Generalised (night blindness)
- Cancer (please specify location, eg eyelid margin and type, eg papilloma)
- Traumatic injury (please specify location)

These lists are not all-inclusive so please do write down a condition that is not on a list if one of your dogs has been diagnosed with it.
Question 5

Some examples of skin, coat and ear conditions
Allergies and related conditions
- Atopy or atopic dermatitis
- Chronic ear infections
- Flea Allergy
- Food hypersensitivity
Calciosoph circumspecta (calcium nodules)
Dermoid Sinus
Hairloss
- Colour mutant alopecia (follicular dysplasia)
- Hot spot (pyotraumatic dermatitis)
Immune-mediated skin disease
- Discoid lupus erythematosus (DLE)
- Pemphigus foliaceous or vulgaris
- Systemic lupus erythematosus (SLE)
Parasites (mite)
- Cheyletiella
- Demodex
- Sarcoptic
Pigmentation abnormalities
- Black hair follicular dysplasia
- Loss or fading of nose pigment
- Recurrent pyoderma/bacterial skin infections
Ringworm
- Sebaceous adenitis
- Seborrhea
Zinc-responsive dermatosis
Cancer (please specify location, eg skin of hock or multiple sites and type, eg mast cell tumour(s))
Traumatic injury (please specify location)
Undiagnosed skin irritation (eg, causing scratching)

Question 6

Some examples of conditions affecting the bones, muscles and joints (including the jaws)

Bones and Joints
- Arthritis (please specify location)
- Degenerative joint disease
- Osteoarthritis
Avascular necrosis of the femoral head
(Legg Calve Perthes disease)
Bone malformations
- Hemivertebra
- Extra digits (polydactyl)
- Spina bifida
- Tail abnormalities
- Partial tail (natural tail dock)
Cruciate ligament rupture
Granulomatous meningoencephalitis (GME)
Spinal cord
Peripheral nervous system
Distal degenerating disease
Laryngeal paralysis
Myelitis disorders
Neuropathy
Polyneuropathy
Neuromuscular conditions
Myasthenia gravis
Miscellaneous conditions
Rage Syndrome
Scottie cramps
Vestibular disease (central or peripheral)
White dog tremor disorder (Shaker syndrome)
Cancer (please specify location, eg meninges and type, eg meningioma)
Traumatic injury (please specify location)

Question 7

Some examples of nervous system conditions

Brain
- Deafness
- Epilepsy (seizures, fits)
- Hydrocephalus
- Lissencephaly
- Leigh's disease (encephalopathy)
- Lysosomal storage diseases (enzyme deficiency)
- Narcolepsy
- Necrotizing encephalitis
- Stroke (cerebral vascular accident, infarct)
Brain and spinal cord
Granulomatous meningoencephalitis (GME)
Myelin disorders
Spinal cord
- Cauda equine syndrome
- Chronic degenerative radiculomyelopathy (CDRM)
- Degenerative myelopathy
- Disc prolapse (intervertebral disc disease)
- Cervical
- Thoracic
- Lumbar/lumbosacral
- Wobbler syndrome
Peripheral nervous system
- Distal degenerating disease
- Laryngeal paralysis
- Myelitis disorders
- Neuropathy
- Polyneuropathy
Neuromuscular conditions
- Myasthenia gravis
Miscellaneous conditions
- Rage Syndrome
- Scottie cramp
- Vestibular disease (central or peripheral)
- White dog tremor disorder (Shaker syndrome)
Cancer (please specify location, eg meninges and type, eg meningioma)
Traumatic injury (please specify location)

Question 8

Some examples of reproductive conditions
Female:
- Agalactia (lactation failure)
- Difficulty whelping
- Physical blockage (stuck puppy)
- Uterine inertia (failure to push)
- Eclampsia (lactation tetany or hypocalcemia)
- False pregnancy
- Infertility/poor fertility
- Irregular heat cycles
- Metritis (inflammation of the uterus)
- Pyometra
- Spontaneous abortion/foetal resorption
- Vaginitis (inflammation of the vagina)
Male:
- Cryptorchid (undescended testicles)
- Infertility/poor fertility
- Prostatic cyst/infection/abscess
- Prostatic enlargement
- Cancer (please specify location, eg mammary gland and type, eg carcinoma)
- Traumatic injury (please specify location)

These lists are not all-inclusive so please do write down a condition that is not on a list if one of your dogs has been diagnosed with it.