

2003 American Belgian Tervuren Club Health Survey

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Summary of the Findings

The ABTC and Dr. Richard Evans (Iowa State University) developed a survey to profile the health status of Belgian Tervuren.

The survey was distributed to club members through several mechanisms. This was a "self report survey", in that members had a choice to participate or not. Therefore it is not necessarily a representative sample of the membership of the ABTC but probably profiles of the most active members. One objective of the survey was to profile health conditions of the Belgian Tervuren and the health related concerns of Belgian Tervuren owners with the end goal to assist the ABTC in addressing health conditions and plan long term strategies for improving breed health.

Surveys were submitted from April through October 2003 and owners were permitted to include information on all dogs that were alive as of January 1, 2000. Here we present a summary of the data but the actual survey questionnaire that was sent out as well as the **full** survey results are published on the ABTC website in the Health Education Committee section. Thank you to all who submitted details on your dogs.

For the survey, 279 owners responded providing information on 633 Tervuren. At the time of the survey, 39% of owners reported having only a single Tervuren and 34% had two. The vast majority of Terv owners (94%) had four or fewer Tervs. Although 55% of Terv owners only had Tervs as their dog breed in residence, 77% also owned other animals, predominantly cats (44%) followed by "other" which included livestock as well as other companion species. The majority of respondents obtained their first Terv in the mid 1980's although the dates ranged from 1962 to 2003. The majority of Terv owner respondents live in Central USA (~31%), followed by 25% in the West, 16.5% in the North East, ~ 15% in the South, and a little over 9% in the Mountain states.

Owners were active in every venue although defining a Terv as a "companion/pet" was the most common response to the question "What are your main interests? Check all that apply." Obedience was the next

most common (77%) followed closely by conformation (67%) and then agility competition (65%). Herding and tracking were the next most common interests at ~44%. Twenty percent of Terv owners classified their interest as "breeder". In terms of actual participation, most Tervs participated in at least one conformation and performance event per year with ~7% and 15.7% participating in over 20 conformation and performance events per year, respectively.

At the time of the survey, most Tervs were born during 1999 and 2000. The Tervs were equally distributed between males and female (316 and 317, respectively) with 60% of those neutered/spayed. The Tervs were altered at an average age of approximately 4 years. With respect to coat color, 83% were defined as mahogany & black, 13% fawn, ~ 3% silver/grey, and only 4 Tervs were black. Most Tervs were obtained from a breeder (79%) though 14% of the Tervs were homebred; the remaining ~5% were rescued or rehomed Tervs. For bitches, the average age at first whelping was 4 ½ years. As the number of litters a bitch had increased, the number of live puppies born and weaned decreased from an average of nearly 6 puppies in the first litter to just over 3 by the last litter; these averages are consistent with studies demonstrating decreased fertility with advancing age.

Body weights for intact vs. altered were 60.2 lbs vs. 61.5 lbs for males and 46.7 lbs vs. 51.5 lbs for females, respectively. The majority of owners, or their vets, considered their Tervs to be in optimum weight (80.6%) and medium boned (72.4%). The average adult height was 24.82 inches for males and 23 inches for females. Most owners fed dry dog food (91%) as some part of the Tervs' diet although a significant number of owners fed at some point in time, a home prepared diet, either raw or cooked, (63%). Tervs were generally kept free in the house (~80%) with a smaller proportion crated in the house (~10%); the remaining dogs were kept in a fenced yard or kennel run. Tervs were evenly divided as to whether they slept on the bed never, occasionally, or usually. As one might predict from the textbook descriptions of the Terv, Tervs were described as active (81%), trainable (~90%), and intelligent (89%). Owners also described their Tervs as outgoing (57%), friendly (77%), confident (57%), fearful of selected noises (33%), excitable (29%), calm (28%), reactive to dogs (27%), aloof (16%), and shy, timid, or fearful (19.4%).

The vast majority of owners felt that the health education provided through the ABTC was just right though 24% of respondents wanted more; similar trends were seen for the health dollars spent by ABTC. Owners stated that they would like to be better informed with regard to cancer, followed by seizures/epilepsy, and then thyroid conditions. In terms of the top issues facing Tervs, owner respondents considered temperament and epilepsy as nearly equivalent and highest ranked. Cancer was the next most highly ranked issue. The owners' concern parallels data submitted for the 633 Tervuren. Approximately 8.5% of Tervs exhibited behavioral issues that the owner considered a problem and in the data for deceased Tervs, ~7.6% of the dogs no longer living were euthanized for behavioral problems. Fifty-four (8.5%) Tervs were reported to have had seizures and in the data for deceased Tervs, ~ 5% were no longer living as a consequence of seizures/epilepsy. Seventy (11%) Tervs were reported to have been diagnosed with some sort of cancer and in the data for deceased Tervs, 35% died as a consequence of cancer. Approximately 8% of the Tervs were identified as having thyroid deficits. The types of cancer were quite varied although mammary cancer had the highest number of dogs (10) with lymphoma and osteosarcoma each with 8 dogs. The average age of onset for mammary cancer was 9 ½ years with a range of 5 to 12 years. There were a number of dogs exhibiting various health conditions ranging, in order of reported prevalence, from neurological maladies, to orthopedic to reproductive issues, to ophthalmic, to mouth/bite issues, to dermatologic concerns, to cancers and then to many other conditions in lesser prevalence. The specific disorders and the actual number of Tervs with a particular disorder are detailed in the report's data posted at the ABTC website.

SURVEY DEMOGRAPHICS OF DOGS AND OWNERS ASSESSED IN SURVEY

The following tables present information collected regarding Owner, Living environment, Dog statistics, and Temperament

2003 American Belgian Tervuren Club Health Survey	Total Owners: 279	Null (left blank on questionnaire)
I. Owner/environment information	QUERY	
Date (Month survey was filled out)	2003	
January	0	
February	0	
March	2	
April	22	
May	43	
June	15	
July	19	
August	64	
September	99	
October	11	
November	0	
December	0	
Null	4	
	279	
2. How many Tervuren did you live with on Jan 1, 2000?		

0	19	
1	115	
2	91	
3	30	
4	17	
5	3	
6	0	
7	2	
8	0	
9	0	
10	0	
11	1	
12	1	
Null	0	
Total	279	
3. How many Tervuren are currently living with you?		
0	6	
1	109	
2	94	
3	45	
4	14	

5	6	
6	3	
7	2	
Null	0	
Total	279	
4. Do you also currently own other breeds?		
Yes	125	
No	154	
Null	0	
Total	279	
5. Do you also own other pets? (Circle all that apply)		
Cats	123	
Birds	33	
Rabbits	7	
Ferrets	2	
Other	50	
List examples of Other pets:	Horses	
	Goats	
	Sheep	
	Chickens	
	Guinea pigs	
	Ducks	

	Cows	
	Fish	
	Turtle	
6. What year did you acquire your first Terv?		
1962	1	
1964	1	
1968	4	
1969	1	
1970	6	
1971	2	
1972	3	
1973	1	
1974	4	
1975	2	
1976	2	
1977	5	
1978	6	
1979	5	
1980	4	
1981	6	
1982	9	

1983	5	
1984	9	
1985	10	
1986	14	
1987	6	
1988	10	
1989	12	
1990	10	
1991	5	
1992	10	
1993	15	
1994	13	
1995	6	
1996	11	
1997	19	
1998	15	
1999	13	
2000	9	
2001	7	
2002	5	
2003	2	
Null	11	

Total	279	
7. What are your main interests (check all that apply)		
Breeder	56	
Tracking	122	
Service dog	36	
Obedience	216	
Herding	122	
Companion/pet	238	
Conformation showing	187	
Agility	181	
8. In what state or country did you reside in on Jan 1, 2000?		
AR	1	
AZ	7	
CA	34	
Canada	4	
CO	17	
CT	4	
FL	8	
GA	2	
IA	7	
IL	16	

IN	2	
KS	3	
KY	8	
MA	8	
MD	5	
MI	9	
MN	4	
MO	8	
MT	2	
NC	6	
ND	1	
NE	2	
NH	2	
NJ	4	
NM	4	
NV	1	
NY	16	
OH	9	
OR	9	
PA	7	
SC	4	
TN	3	

TX	15	
USA	4	
UT	3	
VA	7	
WA	19	
WI	11	
WY	2	
Null	1	
Total	279	
9. In what state or country do you now reside?		
AZ	7	
CA	30	
Canada	4	
CO	16	
CT	4	
FL	9	
GA	2	
IA	7	
ID	2	
IL	16	
IN	2	

KS	3	
KY	9	
MA	8	
MD	6	
ME	1	
MI	10	
MN	4	
MO	7	
MS	1	
MT	2	
NC	5	
ND	1	
NE	3	
NH	2	
NJ	3	
NM	4	
NV	2	
NY	15	
OH	8	
OK	1	
OR	9	
PA	7	

SC	5	
TN	4	
TX	14	
USA	4	
UT	3	
VA	5	
WA	19	
WI	11	
WV	1	
WY	2	
Null	1	
Total	279	
II. Member input (please check only one unless otherwise indicated)		
1. The amount of health information available to me through the ABTC:		
Too much	0	
Just right	157	
Too little	67	
No opinion/don't know	50	
Null	5	
	279	

2. The amount of club spending on health issues:					
Too much	1				
Just right	121				
Too little	65				
No opinion/don't know	85				
Null	7				
	279				
3. Health topics you would like to be better informed about:					
Seizures	13				
Epilepsy	21				
Thyroid	17				
Cancer	35				
Allergies	11				
Eye	14				
Temperment (Behavior)	10				
Nutrition (diet)	8				
Auto-Immune	13				
Heart	4				
Structural (Hips, Luxating Patellas, Spine, Orthopedics, etc.)	13				
	159				
4. What three diseases or problems do you feel are the most important for Tervuren today? (Rank 1-3)	1	2	3	Null	Total

Allergies	13	12	17	237	279
Epilepsy	136	64	24	55	279
Thyroid problems	20	15	26	218	279
Behavior/temperament	117	36	30	96	279
Eye diseases	24	17	31	207	279
Immune mediated disorders	21	12	19	227	279
Cancer	66	41	37	135	279
Bleeding disorders	1	0	4	274	279
List Other diseases:					
Hip Dysplasia	4	1	1		
Structural	0	1	1		
Mouth	0	0	1		
Hormone	1	0	0		
Drug Sensitivity	0	0	1		

2003 American Belgian Tervuren Club Health Survey		
III. Dog information	Total Dogs: 633	Null = left blank
1. Date of birth:		
1970	2	
1975	1	
1980	1	
1982	1	

1983	1	
1984	5	
1985	2	
1986	8	
1987	8	
1988	14	
1989	29	
1990	31	
1991	32	
1992	36	
1993	38	
1994	34	
1995	40	
1996	54	
1997	40	
1998	44	
1999	59	
2000	58	
2001	34	
2002	38	
2003	13	
Null	10	

Total	633				
2. Sex:					
Male	133				
Male neutered	183				
Female	121				
Female spayed	196				
Null	0				
Total	633				
3. Color					
Mahogany/black	523				
Fawn	82				
Silver/grey	18				
Black	4				
Null	6				
Total	633				
4. Average Age at neutering if neutered					
	46.91				
5.a. Bitches only—has she had a litter?					
Yes	69				
No	564				
Total	633				
	Litter #1			Litter #4	

		Litter #2	Litter #3		
Average Age of dam at whelping	48.49	61.08	76.38	----- ----	
If yes:					
Average # live born	5.99	5.22	3.75	-	
Average # still born	1.39	1.00	1.00	-	
Average # weaned	5.79	4.96	3.38	-	
				-	
5.b. Males only— Average # litters sired?	2.49				
6. Where did you obtain this dog?					
Breeder	501				
Home bred	86				
Pet store	0				
Rescue	16				
Shelter	1				
Rehome	18				
Null	11				
Total	633				
7. As an adult, what is/was your dog's usual:					
Average Male/Neutered Male Weight (lbs)	61.66				
Average Male/Neutered Male Height (in) (measured at top of shoulder)	24.82				
Average Female/Spayed Female Weight (lbs)	50.22				

Average Female/Spayed Female Height (in) (measured at top of shoulder)	23	
Also see table of weights below		
8. As an adult, did your veterinarian characterize your dog as:		
Obese	7	
Overweight	38	
Average/optimum	510	
Thin	52	
Null	26	
Total	633	
9. As an adult, would you characterize your dog as:		
Heavy boned	75	
Medium boned	458	
Light boned	76	
Null	24	
Total	633	
10. As an adult, which best characterizes your dog's diet? (check all that apply)		
Canned food	115	
Dry food	577	
Home prepared raw diet	91	
Home prepared cooked food	85	

Canned and Dry food	80				
Home prepared Cooked and Raw	4				
11. On average, how many shows/performance events a year did/does this dog attend?	0	1-20	21-50	>50	Total
Conformation:	242	345	45	1	633
Performance:	213	321	86	13	633
12. How is your dog usually housed? (check the one that represents the majority of time each day)					
Crated in the house	63				
Free in the house	506				
Fenced yard	39				
Kennel/dog run	20				
Garage	4				
Invisible/radio fence	0				
Null	1				
Total	633				
13. Does your dog sleep in your bed?					
Never	194				
Occasionally	230				
Often	119				
Always	85				
Null	5				
Total	633				

14. What is the current status of this dog?		
Alive	526	
Died	38	
Euthanized	67	
Null	2	
Total	633	
15. If dead, average age at death/euthanasia:	127.45	
16. If dead, cause of death/euthanasia:		
Trauma/accident	4	
Seizures	5	
Cancer	37	
Old age	24	
Organ failure (heart, kidney, liver)	14	
Behavior problems	8	
Other illness	13	
IV. Temperament, personality		
1. How would you describe your dog's personality? (circle all that apply).		
Active, energetic	513	
Trainable	567	
Fearful	52	
Shy, timid	71	

Outgoing	359		
Friendly	485		
Intelligent	563		
Confident	362		
Nervous, anxious	100		
Aggressive to dogs	80		
Aloof, reserved	103		
Excitable	182		
Calm	179		
Reactive to dogs	171		
Submissive to people	89		
Submissive to dogs	40		
Aggressive to people	16		
Has bitten a person	28		
Fear of many loud noises	55		
Fear of selected (some) loud noises	209		
Destructive	24		
2. Which of the below would you describe as being a problem with this dog? (circle all that apply).			
Overactive	28		
Shyness	53		
Nervousness	65		

Hypersensitive	55	
Aggression to dogs	70	
Fearfulness	47	
Fear of noises	128	
Reactive to dogs	89	
Aggression to people	18	
Excitability	68	
Submissiveness	8	
Destructiveness	13	

WT = lbs	Total	26-30	31-35	36-40	41-45	46-50	51-55	56-60	61-65	66-70	71-75	76-80	81-85	86-90	91-95	96-100	> 101	Unkn.
Female Intact	121	1	4	8	44	30	18	2	3	0	0	0	0	0	0	0	1	10
Female Spay	196	0	1	9	41	66	37	18	10	5	1	3	1	1	0	1	0	2
Male Intact	133	0	0	1	1	10	27	35	24	9	8	2	1	1	0	0	0	14
Male Neuter	183	0	0	1	6	12	27	50	38	20	15	6	0	1	1	0	2	4
Total	633	1	5	19	92	118	109	105	75	34	24	11	2	3	1	1	3	30

Health Conditions (total number of dogs reported: 633)

<u>Condition</u>	<u># of Dogs</u>	<u>Condition</u>	<u># of Dogs</u>
<u>Neoplasia/cancer</u>		<u>Gastrointestinal</u>	
Hemangiosarcoma	5	Bloat	0
Lymphosarcoma/lymphoma	8	Esophageal disorder/Megaesophagus	3
Cutaneous (T cell) lymphoma	2	Pancreatic insufficiency	1
Mast cell tumor	3	Pancreatitis	5
Osteosarcoma	8	Malabsorption syndrome	0
Melanoma	4	Inflammatory bowel disease	7
Squamous cell carcinoma	3	Gastritis	9
Mammary (breast)	10	Colitis	6
Testicular	1	Chronic diarrhea or vomiting	12
Prostate	1	Portosystemic shunt	0
Thyroid carcinoma	1	Other	11
Nasal carcinoma	1		
Gastric carcinoma	6		
Other	17	<u>Hematology (blood disorders)</u>	
		Disseminated Intravascular Coagulation (DIC)	0
		Hemophilia A or B	0
		Von Willebrand's Disease	3
		Thrombocytopenia (low platelets)	1
		White cell count less than 5000	8
		Bone marrow dysfunction	2
		Other	3
		<u>Neurology</u>	
		Dementia (senility)	8
		Seizures?Grand mal	22
		Seizures?partial, petit mal	32
		IV disc ? cervical	6
		IV disc ? thoracic	0
		IV disc ? lumbar	2
		Head tilt	8
<u>Orthopedic (Muscle/bone)</u>			
Arthritis	67		
Spnodylosis	13		
Elbow dysplasia	5		
Hip dysplasia	14		
Hypertrophic osteodystrophy	0		
Legg-Perthes	0		
Osteochondritis (OCD) Elbow	1		
Osteochondritis (OCD) Hock	0		
Osteochondritis (OCD) Shoulder	8		
Panosteitis	3		
Patellar luxation	3		

Also see ages at incidence, in next table

Anterior cruciate rupture	7	Vestibular syndrome	14
Other ligament/tendon tear	2	Paralysis	4
Polyarthropathy	0	Tremors	3
Polymyopathy	0	Deafness	32
Exertional/exercise induced myositis/ hyperthermia/ collapse	7	Degenerative myelopathy	11
Malignant hyperthermia	0	Old dog---rear leg paresis/weakness	59
Other	14	Cauda Equina Syndrome	0
		Other	5
<u>Dermatology</u>		<u>Infectious</u>	
Allergies/atopy	46	Ehrlichiosis	3
Demodex	17	Salmonellosis	0
Sarcoptes scabiei mites	5	Lyme disease	10
Chronic staph pyoderma	5	Systemic fungal disease	2
Perianal fistulas	1	Other	24
Pigment abnormalities	7	-	
Dematophytosis (fungal skin infect)	5	<u>Immune mediated</u>	
Other	12	Polyarthritis (immune)	3
<u>Ophthalmic</u>		Systemic Lupus	2
Cataracts	39	Lupus- Discoid	2
Progressive retinal atrophy (PRA)	8	Auto immune hemolytic anemia	1
Persistent pupillary membranes (PPM)	24	Dermatomyositis	0
Pannus -- cornea	5	Pemphigus	1
Pannus?third eyelid	4	Other	1
Corneal dystrophy	1	-	
Keratitis	1	<u>Respiratory</u>	
Small optic nerve	6	Laryngeal paralysis	14
Micropapillae	2	Rhinitis/sinusitis	6
Glaucoma	0	Nasal aspergillosis	1
Other	16	Pneumonia	1
<u>Cardiovascular</u>		Allergic bronchitis/pneumonia	0
Heart failure (unknown cause)	2	Other	6
Cardiomyopathy	1	<u>Urinary Tract</u>	
Heart arrhythmia	2	Bladder infections	24
Heart murmur	2	Bladder stones	6
Persistent right aortic arch (PRAA)	0	Renal failure	8
Pulmonic stenosis	0	Incontinence	22
Subaortic stenosis	0	Other	3
Persistent ductus (PDA)	0		

Ventricular septal defect (VSD)	0
Valve dysfunction	0
Hypertension (high blood pressure)	0
Other	2

Reproductive (female)

C-section	9
Difficulty whelping	5
Reabsorption/abortion	6
Chronic failure to conceive	2
Insufficient milk	1
Mastitis	2
Irregular heat cycles	13
Pyometra/metritis	19
Poor mothering	3
Small litters	4
Other	17

Reproductive (male)

Abnormal semen	4
Cryptorchid/monorchid	21
Lack of libido	1
Testicular atrophy	6
Enlarged prostate	8
Other	3

**Endocrine
(hormonal)**

Addisons disease	3
Diabetes mellitus	0
Cushings disease	3
Hypothyroidism	42
Thyroiditis	7
Other	0

Miscellaneous

Missing teeth	73
Undershot jaw	8
Overshot jaw	2
Wry bite	6
Enamel hypoplasia	2
Cleft palate	0
Other	15

**Drug
allergy/reaction
(list below)**

Misc. See Form	20
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**Other conditions
(list below)**

Misc. See Form	36
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Neoplasias and age at diagnosis

Neoplasia/cancer	# of Dogs	Ages in months youngest to oldest																
Hemangiosarcoma	5	108	114	144	150	168												
Lymphosarcoma / lymphoma	8	24	84	96	108	120	132	138	154									
Cutaneous (T cell) lymphoma	2	120	165															
Mast cell tumor	3	42	60	108														
Osteosarcoma	8	60	72	72	108	120	120	120	144									
Melanoma	4	108	120	132	138													
Squamous cell carcinoma	3	84	132	168														
Mammary (breast)	10	60	84	96	108	120	120	132	132	132	144							
Testicular	1	144																
Prostate	1	72																
Thyroid carcinoma	1	144																
Nasal carcinoma	1	120																
Gastric carcinoma	6	72	96	96	132	144	???											
Other	17	36	48	84	84	96	96	108	108	120	126	132	132	138	144	156	156	156

The complete questionnaire as presented to members:

2003 American Belgian Tervuren Club Health Survey				
<p>This survey is a collaborative effort of the Health Education Committee of the American Belgian Tervuren Club and Dr. Richard Evans of Iowa State University. We request your participation to identify the frequency of health and behavior conditions of Belgian Tervuren. This information will be used to help prioritize health research funding, and provide a new baseline against which we can measure the health of our breed. It is equally important for owners to report on their healthy dogs as well as those with health conditions so that we can more accurately estimate the prevalence of problems in our breed.</p>				
<p>All information submitted is confidential, and will be tabulated by Dr. Evans at Iowa State University. A full report of the findings will be submitted to the ABTC for distribution to the membership. This study is funded through the generosity of the ABTC Board of Directors and the ABTC membership.</p>				
<p>Your owner code is the last four digits of your driver's license number. This will not be used to identify specific individuals, but only to link all the dogs you report as coming from one owner, for statistical purposes. Please put the dog number (1, 2, 3, etc) and your owner code at the top of each page of dog information. You need only fill out the owner information sections one time. Indicate any disease diagnosed by your veterinarian, including presumptive and confirmed (by appropriate testing or specialist) diagnoses. Please make copies of the dog information sheets for additional animals.</p>				
Please complete one questionnaire for each eligible dog and return it to:				
Richard Evans, Ph.D.				
Iowa State University				
College of Veterinary Medicine				
VDPAM, Room 1710				
Ames, IA 50011				
The deadline for responses is October 1, 2003.				
<p>Thank you for your participation. If you have any questions regarding the survey, please contact Tracey Gilbert at 920-845-9840 or gilbertdvm@earthlink.net</p>				
Selection of dogs to include in the 2003 ABTC Health Survey				

Eligible dogs are those that you owned and lived with in your home on or after January 1, 2000. Dogs born after 1/1/00 are eligible. Older dogs may still be alive or have died, as long as they were alive on the above date. Please use a separate form for each dog. If you co-own a dog, please coordinate with the other owner so that the dog is reported only once.

I. Owner/environment information		Date _____			
1. Code (last 4 digits of your drivers license number)		_____			
2. How many Tervuren did you live with on Jan 1, 2000?		_____			
3. How many Tervuren are currently living with you?		_____			
4. Do you also currently own other breeds?		_____ Yes		_____ No	
5. Do you also own other pets? (Circle all that apply)					
Cats	Birds	Rabbits	Ferrets	Other	
6. What year did you acquire your first Terv?			_____		
7. What are your main interests (check all that apply)					
		_____ Breeder		_____ Obedience	
		_____ Tracking		_____ Herding	
		_____ Service dog		_____ Companion/pet	
8. In what state or country did you reside in on Jan 1, 2000?		_____			
9. In what state or country do you now reside?		_____			
II. Member input (please check only one unless otherwise indicated)					

1. The amount of health information available to me through the ABTC:				
<input type="checkbox"/> Too much	<input type="checkbox"/> Just right	<input type="checkbox"/> Too little	<input type="checkbox"/> No opinion/don't know	
2. The amount of club spending on health issues:				
<input type="checkbox"/> Too much	<input type="checkbox"/> Just right	<input type="checkbox"/> Too little	<input type="checkbox"/> No opinion/don't know	
3. Health topics you would like to be better informed about:				
4. What three diseases or problems do you feel are the most important for Tervuren today? (Rank 1-3)				
<input type="checkbox"/> Allergies	<input type="checkbox"/> Behavior/ temperament	<input type="checkbox"/> Cancer		
<input type="checkbox"/> Epilepsy	<input type="checkbox"/> Eye diseases	<input type="checkbox"/> Bleeding disorders		
<input type="checkbox"/> Thyroid problems	<input type="checkbox"/> Immune mediated disorders			
<input type="checkbox"/> Other _____				
III. Dog information	Owner code Dog#_ _____			
1. Date of birth:	<input type="checkbox"/> Month	<input type="checkbox"/> Day	<input type="checkbox"/> Year	
2. Sex:	<input type="checkbox"/> Male	<input type="checkbox"/> Male neutered	<input type="checkbox"/> Female spayed	
3. Color	(check one) <input type="checkbox"/> Mahogany/black	<input type="checkbox"/> Fawn	<input type="checkbox"/> Silver/grey	<input type="checkbox"/> Black
4. Age at neutering if neutered _____			Not applicable _____	
5.a. Bitches only—has she had a litter?	<input type="checkbox"/> Yes	<input type="checkbox"/> No		
	If yes: Litter	Age of dam at whelping	# live born	# still born weaned

		#1			
		#2			
		#3			
		#4			
5.b. Males only—How many litters has he sired? _____					
6. Where did you obtain this dog?					
_____ Breeder	_____ Pet store	_____ Shelter			
_____ Home bred	_____ Rescue	_____ Rehome			
7. As an adult, what is/was your dog's usual:					
_____ Weight (lbs)	_____ Height (in) (measured at top of shoulder)				
8. As an adult, did your veterinarian characterize your dog as:					
	_____ Obese	_____ Overweight	_____ Average/optimum	_____ Thin	
9. As an adult, would you characterize your dog as:					
_____ Heavy boned	_____ Medium boned	_____ Light boned			
10. As an adult, which best characterizes your dog's diet? (check all that apply)					
_____ Canned food		_____ Home prepared raw diet			
_____ Dry food		_____ Home prepared cooked food			
11. On average, how many shows/performance events a year did/does this dog attend?					
Conformation:		_____ 0	_____ 1-20	_____ 21-50	_____ >50

Performance:		_____ 0	_____ 1-20	_____ 21-50	_____ >50
Dog # _____	Owner code _____				
12. How is your dog usually housed? (check the one that represents the majority of time each day)					
_____ Crated in the house	_____ Fenced yard	_____ Garage			
_____ Free in the house	_____ Kennel/ dog run	_____ Invisible/radio fence			
13. Does your dog sleep in your bed?					
_____ Never	_____ Occasionally	_____ Often	_____ Always		
14. What is the current status of this dog?					
_____ Alive	_____ Died	_____ Euthanized			
15. If dead, age at death/euthanasia: _____					
16. If dead, cause of death/euthanasia:					
_____ Trauma/accident	_____ Cancer	_____ Organ failure (heart, kidney, liver)			
_____ Seizures	_____ Old age	_____ Behavior problems			
_____ Other illness					
IV. Temperament, personality					
1. How would you describe your dog's personality? (circle all that apply).					
Active, energetic	Confident	Submissive to people			
Trainable	Nervous, anxious	Submissive to dogs			

		Fearful		Aggressive to dogs	Aggressive to people
		Shy, timid		Aloof, reserved	Has bitten a person
		Outgoing		Excitable	Fear of many loud noises
		Friendly		Calm	Fear of selected (some) loud noises
		Intelligent		Reactive to dogs	Destructive

2. Which of the below would you describe as being a problem with this dog? (circle all that apply).

Overactive		Aggression to dogs`	Aggression to people		
Shyness		Fearfulness		Excitability	
Nervousness		Fear of noises		Submissiveness	
Hypersensitive		Reactive to dogs		Destructiveness	

IV. Health Conditions	
For each condition listed that affected this dog, please indicate the age of onset in years.	
Condition	Condition
Age at onset	Age at onset

Neoplasia/cancer	Gastrointestinal
Hemangiosarcoma	Bloat
Lymphosarcoma/lymphoma	Esophageal disorder/Megaesophagus
Cutaneous (T cell) lymphoma	Pancreatic insufficiency
Mast cell tumor	Pancreatitis
Osteosarcoma	Malabsorption syndrome
Melanoma	Inflammatory bowel disease
Squamous cell carcinoma	Gastritis
Mammary (breast)	Colitis
Testicular	Chronic diarrhea or vomiting
Prostate	Portosystemic shunt
Thyroid carcinoma	Other _____
Nasal carcinoma	
Gastric carcinoma	
Other _____	
Hematology (blood disorders)	Orthopedic (Muscle/bone)
Disseminated Intravascular Coagulation (DIC)	Arthritis
Hemophilia A or B	Spnodylosis
Von Willebrand's Disease	Elbow dysplasia
Thrombocytopenia (low platelets)	Hip dysplasia
White cell count less than 5000	Hypertrophic osteodystrophy

Bone marrow dysfunction	Legg-Perthes
Other _____	Osteochondritis (OCD) Elbow
Neurology	Osteochondritis (OCD) Hock
Dementia (senility)	Osteochondritis (OCD) Shoulder
Seizures—Grand mal	Panosteitis
Seizures—partial, petit mal	Patellar luxation
IV disc – cervical	Anterior cruciate rupture
IV disc – thoracic	Other ligament/tendon tear
IV disc – lumbar	Polyarthropathy
Head tilt	Polymyopathy
Vestibular syndrome	Exertional/exercise induced myositis/hyperthermia/collapse
Paralysis	Deafness
Tremors	Degenerative myelopathy
Malignant hyperthermia	Old dog---rear leg paresis/weakness
Other _____	Cauda Equina Syndrome
Dermatology	Other _____
Allergies/atopy	
Demodex	Infectious
Sarcoptes scabiei mites	Ehrlichiosis
Chronic staph pyoderma	Salmonellosis
Perianal fistulas	Lyme disease

Pigment abnormalities	Systemic fungal disease
Dematophytosis (fungal skin infect)	Other _____
Other _____	
Dog # _____	Owner code _____
For each condition listed that affected this dog, please indicate the age of onset in years.	
Condition	Condition
Age at onset	Age at onset
Ophthalmic	Immune mediated
Cataracts	Polyarthritis (immune)
Progressive retinal atrophy (PRA)	Systemic Lupus
Persistent pupillary membranes (PPM)	Lupus- Discoid
Pannus -- cornea	Auto immune hemolytic anemia
Pannus—third eyelid	Dermatomyositis
Entropion	Pemphigus
Corneal dystrophy	Other _____
Keratitis	Respiratory
Small optic nerve	Laryngeal paralysis
Micropapillae	Rhinitis/sinusitis
Glaucoma	Nasal aspergillosis
Other _____	Pneumonia
Cardiovascular	Allergic bronchitis/pneumonia
Heart failure (unknown cause)	Other _____

Cardiomyopathy	Urinary Tract
Heart arrhythmia	Bladder infections
Heart murmur	Bladder stones
Persistent right aortic arch (PRAA)	Renal failure
Pulmonic stenosis	Incontinence
Subaortic stenosis	Other _____
Persistent ductus (PDA)	Endocrine (hormonal)
Ventricular septal defect (VSD)	Addisons disease
Valve dysfunction	Diabetes mellitus
Hypertension (high blood pressure)	Cushings disease
Other _____	Hypothyroidism
Reproductive (female)	Thyroiditis
C-section	Other _____
Difficulty whelping	Miscellaneous
Reabsorption/abortion	Missing teeth
Chronic failure to conceive	Undershot jaw
Insufficient milk	Overshot jaw
Mastitis	Wry bite
Irregular heat cycles	Enamel hypoplasia
Pyometra/metritis	Cleft palate
Poor mothering	Other _____
Small litters	Drug allergy/reaction (list below)

Other _____	Other conditions (list below)
Reproductive (male)	
Abnormal semen	
Cryptorchid/monorchid	
Lack of libido	
Testicular atrophy	
Enlarged prostate	
Other _____	