

Title: Canine Lymphoma Case Control Database

Data Filename: Ruple_Morley.PLoS_ONE_2016.VMDB_Lymphoma_Case_Control.xls

Data File Description: These data were collected by the Veterinary Medical Database and include demographic information about 67,712 dogs seen at veterinary teaching hospitals in North America between 1989 and 2011. 18,826 of these dogs were diagnosed with lymphoma (cases) and the control series were matched to case dogs by institution of admission, age, and year of admission in up to a 3:1 ratio.

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Date of Data Collection: cases 1990-2009; controls 1989-2011

Geographic location: Dogs were seen at veterinary teaching hospitals in North America.

Data File Created: 20160825

Methods: See associated publication (recommended citation) for methodological details.

Recommended Citation: Ruple AA, Morley PS. Multicenter case-control investigation of risks associated with development of canine lymphoma in North America: 18,826 cases (1990-2009). PLoS ONE 2016.

Variables included in this dataset:

- Visit_ID (unique identification number)
- Institution_ID (numerical designation for each veterinary hospital)
- Name (name of admitting institution)
- Dischargeyear (year of patient admission to hospital)
- YearOfDC (numerical coding of year of patient admission to hospital)
- Breed (numerical code of dog breed)
- Breed_Desc (description of dog breed)
- AKC_Group (Indicates which AKC breed group the dog belongs)
- Discharge (Status of the dog at the time of discharge)
- Agecat (age category as used in VMDB)
- Sex_Status (sex and neuter status designation)
- WtCat (weight category as used in VMDB)
- Case_Control (indicates if the dog was part of the case or control series)

Variable Key:**Institution_ID**

1	Michigan State University
2	University of Missouri
3	University of Minnesota
4	Iowa State University
5	Cornell University
6	Ontario Veterinary College
7	Purdue University
8	University of Georgia
11	Ohio State University
12	Kansas State University
13	University of Illinois
15	Colorado State University
16	Auburn University
17	Texas A&M University
18	University of Tennessee
19	Louisiana State University
21	Virginia-Maryland Regional Medical Center
23	University of Wisconsin
24	University of Pennsylvania
25	Tuskegee University
29	University of Florida
30	North Carolina State University
31	Mississippi State University

YearOfDC

0	1989
1	1990
2	1991
3	1992
4	1993
5	1994
6	1995
7	1996
8	1997
9	1998
10	1999
11	2000
12	2001
13	2002
14	2003
15	2004
16	2005
17	2006
18	2007
19	2008
20	2009
21	2010
22	2011

Breed

0	Labrador
1	Mixed breed
2	Golden retriever
3	American cocker spaniel
4	English Springer spaniel
5	Brittany spaniel
6	German shorthaired
7	Weimaraner
8	Chesapeake Bay retriever
9	English setter
10	Irish setter
11	English pointer
12	Gordon setter
13	Vizsla
14	German wirehaired pointer
15	English cocker spaniel

- 16 Flat-coated retriever
- 17 AKC Sporting group breed with fewer than 50 individuals in dataset
- 19 Rottweiler
- 20 Doberman pinscher
- 21 Boxer
- 22 Great Dane
- 23 Siberian Husky
- 24 Newfoundland
- 25 Saint Bernard
- 26 Samoyed
- 27 Alaskan Malamute
- 28 Bernese mountain dog
- 29 Mastiff
- 30 Akita
- 31 Great Pyrenees
- 32 Bullmastiff
- 33 Standard Schnauzer
- 34 Giant Schnauzer
- 35 Portuguese water dog
- 36 AKC Working group breed with fewer than 50 individuals in dataset
- 37 German Shepherd dog
- 38 Shetland sheepdog
- 39 Australian shepherd
- 40 Collie
- 41 Border Collie
- 42 Australian Heeler
- 43 Pembroke Welsh Corgi
- 44 Old English Sheepdog
- 45 Bouvier des Flandres
- 46 Cardigan Welsh Corgi
- 47 Belgian Malinois
- 48 AKC Herding group breed with fewer than 50 individuals in dataset
- 49 Standard Dachshund
- 50 Beagle
- 51 Miniature Dachshund
- 52 Basset hound
- 53 Greyhound
- 54 Irish Wolfhound
- 55 Rhodesian ridgeback
- 56 Norwegian Elkhound
- 57 Afghan hound
- 58 Treeing Walker coonhound
- 59 Whippet
- 60 AKC Hound group breed with fewer than 50 individuals in dataset

- 61 Shih tzu
- 62 Yorkshire terrier
- 63 Miniature Poodle
- 64 Toy Poodle
- 65 Chihuahua
- 66 Pomeranian
- 67 Pekingese
- 68 Maltese
- 69 Pug
- 70 Miniature Pinscher
- 71 Cavalier King Charles
- 72 Italian greyhound
- 73 Papillion
- 74 AKC Toy group breed with fewer than 50 individuals in dataset
- 75 Dalmatian
- 76 Lhasa apso
- 77 Standard Poodle
- 78 Bulldog
- 79 Bichon frise
- 80 Chow Chow
- 81 Chinese Shar-Pei
- 82 Boston terrier
- 83 Keeshond
- 84 American Eskimo dog
- 85 Schipperke
- 86 AKC Non-sporting group breed with fewer than 50 individuals in dataset
- 87 Miniature Schnauzer
- 88 Scottish terrier
- 89 Airedale terrier
- 90 American Staffordshire terrier
- 91 West Highland white terrier
- 92 Russell terrier
- 93 Cairn terrier
- 94 Wire Fox terrier
- 95 Bull terrier
- 96 Rat terrier
- 97 Soft-coated wheaten terrier
- 98 AKC Terrier group breed with fewer than 50 individuals in dataset
- 99 AKC Miscellaneous or FSS groups breed with fewer than 50 individuals in dataset
- 100 Breed not recognized by AKC

AKC_Group

- 0 Mixed
- 1 Sporting

- | | |
|---|----------------|
| 2 | Working |
| 3 | Herding |
| 4 | Hound |
| 5 | Toy |
| 6 | Non-sporting |
| 7 | Terrier |
| 8 | Other purebred |

Discharge

- | | |
|---|-------|
| 0 | Alive |
| 1 | Died |

Agecat

- | | |
|---|-----------------------|
| 0 | Less than 1 |
| 1 | 1 to 2 years |
| 2 | 2 to 4 years |
| 3 | 4 to 7 years |
| 4 | 7 to 10 years |
| 5 | 10 to 15 years |
| 6 | Greater than 15 years |

Sex_Status

- | | |
|---|------------------|
| 0 | Female, intact |
| 1 | Female, neutered |
| 2 | Male, intact |
| 3 | Male, neutered |
| 4 | Unknown |

WtCat

- | | |
|---|----------------------|
| 0 | 0 to 15 pounds |
| 1 | 15 to 30 pounds |
| 2 | 30 to 50 pounds |
| 3 | 50 to 75 pounds |
| 4 | 75 to 100 pounds |
| 5 | More than 100 pounds |
| 6 | Unknown |

Case_Control

- | | |
|---|------------------------------------|
| 0 | Case (dog diagnosed with lymphoma) |
| 1 | Control |