VetCompass™
Companion Animal Health Surveillance

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VetCompass — Your Knowledge Hub

VetCompass in Numbers

1100 UK participating practice
10 million animals
55 million clinical notes
181 million treatment notes

What is VetCompass?

VetCompass is a programme of research that through the large-scale collection and analysis of anonymised electronic patient records generates the robust evidence necessary to improve companion animal health and welfare.

Research outputs are used to:
• Support evidence-based vet medicine
• Identify welfare and research priorities
• Tailor veterinary education
• Benchmark disorder prevalence

Evidence-Based Prioritisation of Disorders within Dog Breeds

THE KENNEL CLUB CHARITABLE TRUST — *Making a difference for dogs*

The RVC and Kennel Club Charitable Trust (KCCT) are collaboratively identifying breed health related priorities. High priority breeds are the focus.

The results fill existing data gaps to assist the KC's 'Breed Health and Conservation Plan' project. With several papers already published, Bulldogs, Chihuahuas, Greyhounds and West Highland White Terriers are next.

Canine Leptospirosis: Improving Diagnostics and Understanding in UK Dogs

BBSRC bioscience for the future   **MSD** INVENTING FOR LIFE

Leptospirosis is globally an important re-emerging zoonotic disease.

The aims of this PhD are to:
• Improve the diagnostics of Leptospirosis through novel bacterial outer membrane targets.
• Utilise VetCompass™ data to characterise the epidemiology of Leptospirosis disease and Vaccine trends in dogs.

Novel Approaches to the Diagnosis and Monitoring of Canine Hyperadrenocorticism

Dechra

Hyperadrenocorticism (Cushing's disease) is an endocrine disease regularly diagnosed and managed within primary-care practice. However questionable diagnostic tests and monitoring tools limit accurate diagnosis.

This PhD aims to address this issue through:

• Developing a quality of life tool and a clinical scoring system
• Applying machine learning methodology

Equine VetCompass: Guiding Evidence-Based Equine Healthcare

RCVS KNOWLEDGE

There is a recognised need for improved health surveillance in the UK general horse population.

This PhD aims to address this by:
• Establishing an equine arm to VetCompass in the UK

Collated data will be analysed to:
• Determine the types and frequency of disorders attended by first-opinion vets
• Describe longevity and mortality
• Identify risk factors for wounds
• Report on antimicrobial prescribing and factors associated with use of critically-important products

VetCompass Australia

VetCompass Australia

VetCompass has rapidly expanded in many dimensions since its inception at the RVC in 2010. International extension led to VetCompass Australia being established in 2016. Researchers at the RVC and The University of Sydney now work collaboratively on a number of projects.

*"The RCVS acknowledges the **important role of primary practice databases** in progressing our understanding of companion animal disease"*

Royal College of Veterinary Surgeons

The VetCompass team includes:
Kennel Club Charitable Trust Research Assistant: C. Pegram
Hyperadrenocorticism PhD: I. Schofield supervised by Dr D. O'Neill, Prof. D. Brodbelt and Prof. S. Neissen
Leptospirosis PhD: C. Taylor supervised by Prof. B. Catchpole and Prof. D. Brodbelt
Equine VetCompass PhD: S. Allen supervised by Prof. K. Verheyen, Prof. D. Brodbelt and Prof. J. Slater
Antimicrobial usage and diabetes mellitus: A. Heeley supervised by Dr L. Davison, Prof. D. Brodbelt & Dr D. O'Neill
Heatstroke in dogs: E. Hall at Nottingham Trent University supervised by Dr D. O'Neill
Seizures in dogs: A. Erlen at Munich University supervised by Dr D. O'Neill and Prof H. Volk
Idiopathic epilepsy and neutering: S. van Mervenne at Copenhagen University supervised by Dr D. O'Neill and Prof H. Volk

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VetCompass — Your Knowledge Hub

Generating Clinical and Welfare Evidence in an Electronic World