

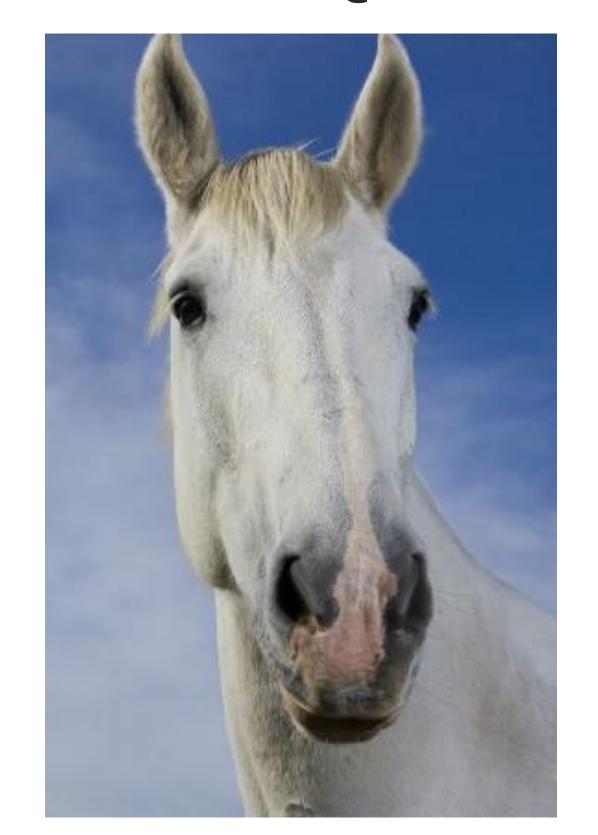
## EQUINE VETCOMPASS

## **GENERATING EVIDENCE THROUGH** PRACTICE-BASED EQUINE HEALTH SURVEILLANCE

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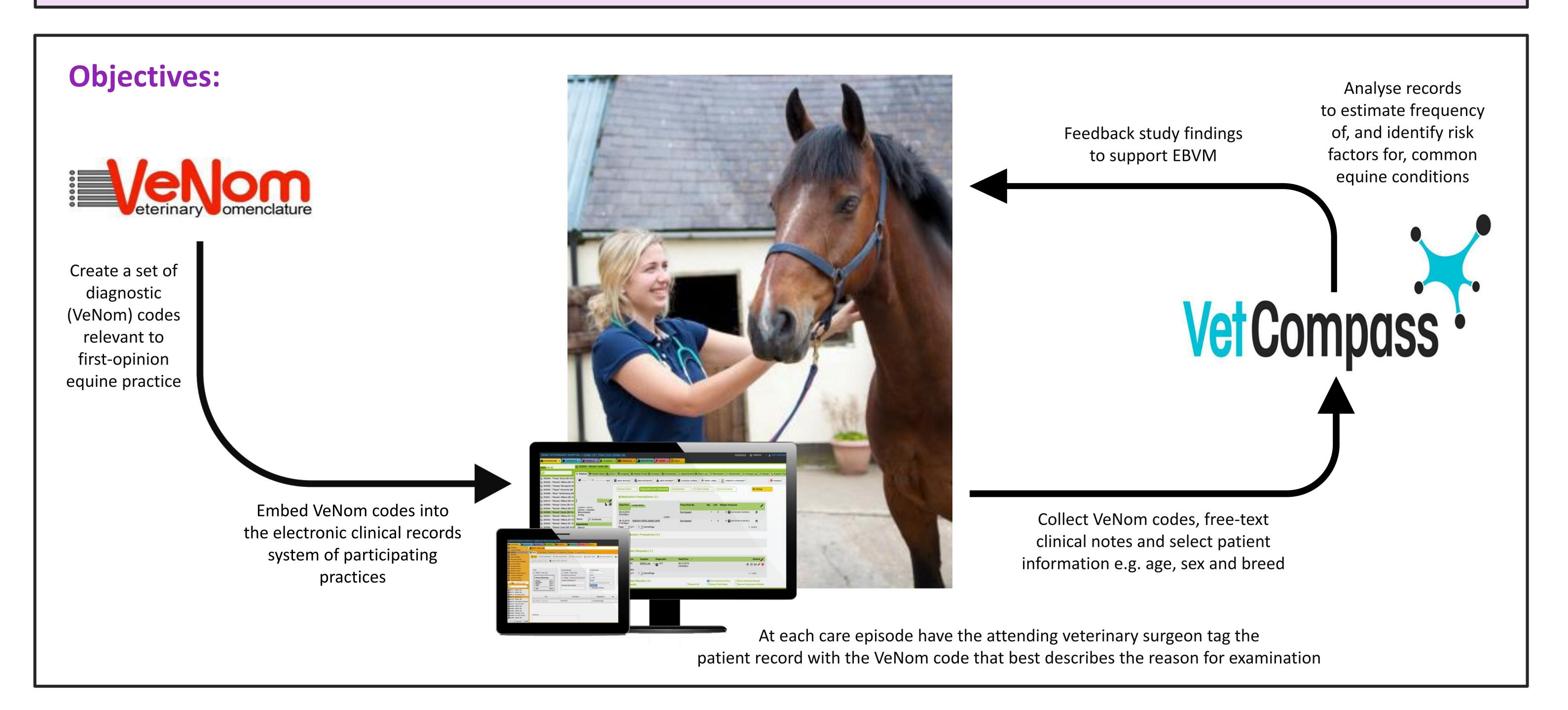


Background: Evidence-based veterinary medicine (EBVM) is the conscientious, explicit and judicious use of the current best evidence, when making decisions about the individual patient<sup>1</sup>. Despite being shown to improve patient outcomes<sup>2</sup>, the application of EBVM in equine practice remains seriously hampered by the lack of reliable data, even for the most common conditions<sup>3</sup>.

Accurate prevalence data, needed to guide the diagnostic process, are in short-supply owing to the comprehensive absence of disease monitoring in the UK horse population<sup>4</sup>. Estimates from laboratory submissions, owner-reported surveys and clinical studies, offer some insight but are prone to incompleteness, bias and poor generalisability<sup>5</sup>. Analysis of electronic clinical records (ECRs) from first-opinion veterinary practices, as conducted by VetCompass, can provide a more accurate assessment<sup>6</sup>.

Since its launch in 2009, the RVC's VetCompass project has collected over 10 million ECRs from small animal practices. These have been analysed to quantify the most common disorders affecting dogs and cats<sup>7,8</sup> and to establish risk factors for several important conditions<sup>9,10</sup>. Excitingly, VetCompass has now been adapted for use in equine practice, providing enormous opportunity for the study of equine health and the generation of robust disease statistics.

Aim: To create an efficient and sustainable practice-based system for equine health surveillance



Relevance: Electronic clinical records, from first-opinion veterinary practices, represent a valuable yet currently underused source of equine disease information. The development of Equine VetCompass will facilitate the use of this data for the monitoring of health in the national horse population.

The results of **routine disease surveillance** can be used to:

- Underpin and direct evidence-based veterinary medicine in equine practice
- Improve the provision of equine healthcare through the more targeted training of veterinary professionals
- Identify priorities for equine research that are relevant to the diseases that affect a large number of UK horses

By supporting these activities Equine VetCompass will improve the long-term health and welfare of the individual horse and the larger equine population.







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