EPIC Centre of Expertise on Animal Disease Outbreaks

Scottish-based scientists who work together to best prepare Scotland’s livestock industry and stakeholders for disease outbreaks.

Animal movements can easily spread disease across the country.

Veterinary Epidemiology
The study of the patterns, causes, and effects of health and disease conditions in animal populations.

Find out more at http://www.epicscotland.org

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Should foot-and-mouth-disease outbreaks be controlled using vaccination?
Would reducing livestock movement standstills pose a significant disease risk to Scotland?
Is Scotland at risk of an avian influenza outbreak?

Disease transmission models
Mathematical modelling is a vital part of EPIC’s work to protect Scotland’s livestock. Models for infectious diseases are useful for prevention and control of emerging infectious diseases like “bird flu” (H5N8 / H5N1) or FMD.

Susceptible    Infected    Recovered or Dead

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