



# RESEARCH USING SAVSNET DATA

## FACTORS ASSOCIATED WITH PRESCRIPTION OF ANTIMICROBIAL DRUGS FOR DOGS AND CATS IN THE UK

Full paper published in Emerging Infectious Diseases available [here](#)

Thank you to all practices, independent and CVS, for participating in SAVSNET and making this research possible

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### STEWARDSHIP

Antimicrobial stewardship is a cornerstone of efforts to curtail antimicrobial resistance.

2



### STUDY

We analyzed electronic health records for 155,732 unwell dogs and 69,236 unwell cats from 173 UK veterinary practices participating in SAVSNET.

3



### PREVENTIVE HEALTH

Decreased odds of systemic antimicrobial prescription were associated with vaccination\* and neutering of dogs.\*\*

\* Dogs, OR 0.93, 95% CI, 0.90–0.95; Cats, OR 0.92, 95% CI 0.89–0.95  
\*\*OR 0.90, 95% CI 0.88– 0.92

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### INSURANCE

Insurance status of pets was also associated with decreased antimicrobial prescription.

Dogs, OR 0.87, 95% CI 0.84–0.90  
Cats, OR 0.82, 95% CI 0.79–0.86

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### ACCREDITATION

Practices accredited by the Royal College of Veterinary Surgeons were associated with decreased prescription of antimicrobials.

OR 0.79, 95% 95% CI 0.68–0.92

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### RESPONSIBLE USE

This large multicentre companion animal study demonstrates the potential of preventive healthcare and client engagement to encourage responsible antimicrobial drug use.