



ANTIMICROBIAL RESISTANCE
AND STEWARDSHIP INITIATIVE

UNIVERSITY OF MINNESOTA

Driven to DiscoverSM

Veterinary Teaching Hospital Antibiotic Use Point-Prevalence Survey, 2020

Antibiotic prescribing data for dogs and cats were collected on a single day in August 2020 from 14 veterinary teaching hospitals (VTHs) in the U.S. All dogs and cats seen by a veterinarian on emergency and critical care, urgent care, primary care, internal medicine and surgery services were included.



36.5%

of cats and dogs were prescribed at least one antibiotic on the survey date

30.4% of patients prescribed antibiotics had bacterial susceptibility testing



57.7%

of inpatients



18.3%

of outpatients

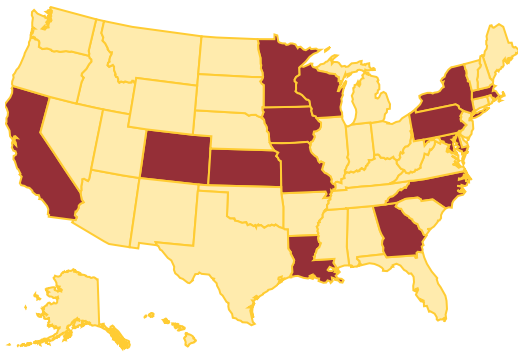


5.8% of antibiotics were topical

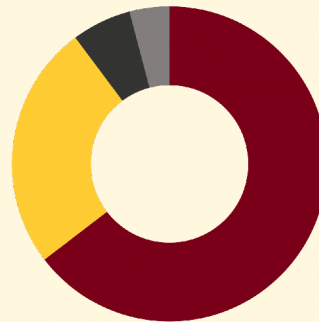


94.2% of antibiotics were systemic

States with Participating VTHs



Intended Antibiotic Use



- 64.6% Infection treatment
- 25.2% Prophylaxis
- 6.1% Undetermined
- 4.1% Non-bactericidal effects

% of common conditions associated with antibiotic prescriptions in dogs and cats



74.6% of Surgical
49.4% of Respiratory
43.8% of Skin
39.0% of Urinary
17.0% of GI



87.5% of Hepatic
47.8% of Surgical
41.7% of Skin
33.3% of Urinary
30.0% of Neurologic

Most commonly prescribed antibiotics

33.3% Beta-lactams with increased activity

24.4% 1st generation cephalosporins

16.4% Fluoroquinolones

5.6% Imidazoles

To participate in the next study and find free antimicrobial stewardship resources go to arsi.umn.edu

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