

Multidrug-resistant Campylobacter are widespread in chickens at commercial farms around Kampala, Uganda

Chickens may carry zoonotic and antimicrobial resistant (AMR) pathogens, as Campylobacter spp. Campylobacteriosis is one of the most common foodborne diseases in humans worldwide.



How common is AMR in *Campylobacter* spp. in chickens at commercial farms around Kampala, the capital of Uganda?

What are the chicken producers' attitudes concerning antimicrobial usage (AMU)?

Campylobacter was isolated from all 194 collected samples, representing all farms.

Most prevalent resistance against nalidixic acid and ciprofloxacin (each 91%), followed by tetracycline (79%), streptomycin (76%) and erythromycin (26%).

- 70% of the farms got AMU instructions from drug shops, without prescription from a veterinarian.
- On 64% of the farms, chickens were given several different antibiotic classes.
- Macrolide, the first-choice antibiotic to treat campylobacteriosis in humans, was commonly used.



Broad-spectrum

antibiotic!

- Bacterial isolation from cloacal and boot sock samples (194) from 28 farms.
- Antimicrobial susceptibility of 170 isolates by disk diffusion.
- Questionnaire-based interviews.
- > Limiting the spread of AMR is of utmost importance and should be addressed from a One Health perspective.
- > One focus should be on reducing unrestricted AMU in the livestock sector.



