Vet–LIRN FY 2024 Accomplishment Highlights

Consumer Complaints

Reviewed **250** total consumer complaints

Conducted in-depth follow-up of **155** consumer complaints

Active role in follow-up of <u>surge of consumer complaints</u> including outreach to **107** report submitters and extensive testing of >50 samples

Outreach & Presentations

Delivered **4** presentations to students at veterinary schools on CVM and Vet-LIRN mission

Gave **>15** scientific presentations to various audiences
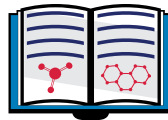
Network Proficiency Tests

Unknown toxicant proficiency test: 93% accurate diagnosis and correct analysis results

Salmonella in raw foods: 88% correct detection using molecular methods and 94.4% correct detection using molecular methods

AMR Updates

From 2017-2024, AST on >25,000 isolates and WGS on >7,500 isolates

Integrated AMR data report <u>published</u>

AMR database published on Vet-LIRN <u>website</u>

Collaborative Exercises

Network labs participated in fentanyl interagency laboratory coordination exercise

Conducted pilot virtual tabletop exercise with **4** network labs

Network Updates

20 protocols published publicly on <u>Protocols.IO</u>

Held annual New Member Orientation and biannual Virtual Open House with >90 attendees joining

Blinded Method Tests

Four BMTs were completed: 2 on COVID-19 and 2 on cannabinoids

Notable Publications

<u>Prevalence and molecular epidemiology of carbapenemase-producing Enterobacterales isolated from dog and cat faeces submitted to veterinary laboratories in the USA</u>

<u>Genomic characterization of antimicrobial resistance in 61 aquatic bacterial isolates</u>

<u>Outbreak of multidrug-resistant Salmonella infections in people linked to pig ear pet treats, United States, 2015–2019: results of a multistate investigation</u>

<u>Evolutionary genomic analyses of canine E. coli infections identify a relic capsular locus associated with resistance to multiple classes of antimicrobials</u>