Epidemiology of American Foulbrood

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HONEY BEES AND ONE HEALTH
- Vital for human food security
- Human-animal bond

ANIMAL
- Competition for floral resources
- Spillover of pathogens

ENVIRO
- Flowering plant biodiversity

AMERICAN FOULBROOD
- Fatal disease to colonies
- Control through antimicrobials
- Highly transmissible in operations
MAIN FINDINGS

PREVALENCE: COLONY 1.57% (95% CI 1.40-1.75), APIARY 4.17% (95% CI 3.38-5.14), OPERATION 5.79% (95% CI 4.47-5.11)

NO APPARENT TEMPORAL TREND IN AFB PREVALENCE

TRANSMISSION DRIVEN BY BEEKEEPER PRACTICES RATHER THAN ENVIRONMENTAL FACTORS