

Epidemiology of American Foulbrood

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HONEY BEES AND ONE HEALTH



VITAL FOR HUMAN FOOD SECURITY
HUMAN-ANIMAL BOND



COMPETITION FOR FLORAL RESOURCES
SPILLOVER OF PATHOGENS



FLOWERING PLANT BIODIVERSITY

AMERICAN FOULBROOD



FATAL DISEASE TO COLONIES



CONTROL THROUGH ANTIMICROBIALS



HIGHLY TRANSMISSIBLE IN OPERATIONS



PROVINCIAL APIARY PROGRAM INSPECTION DATA

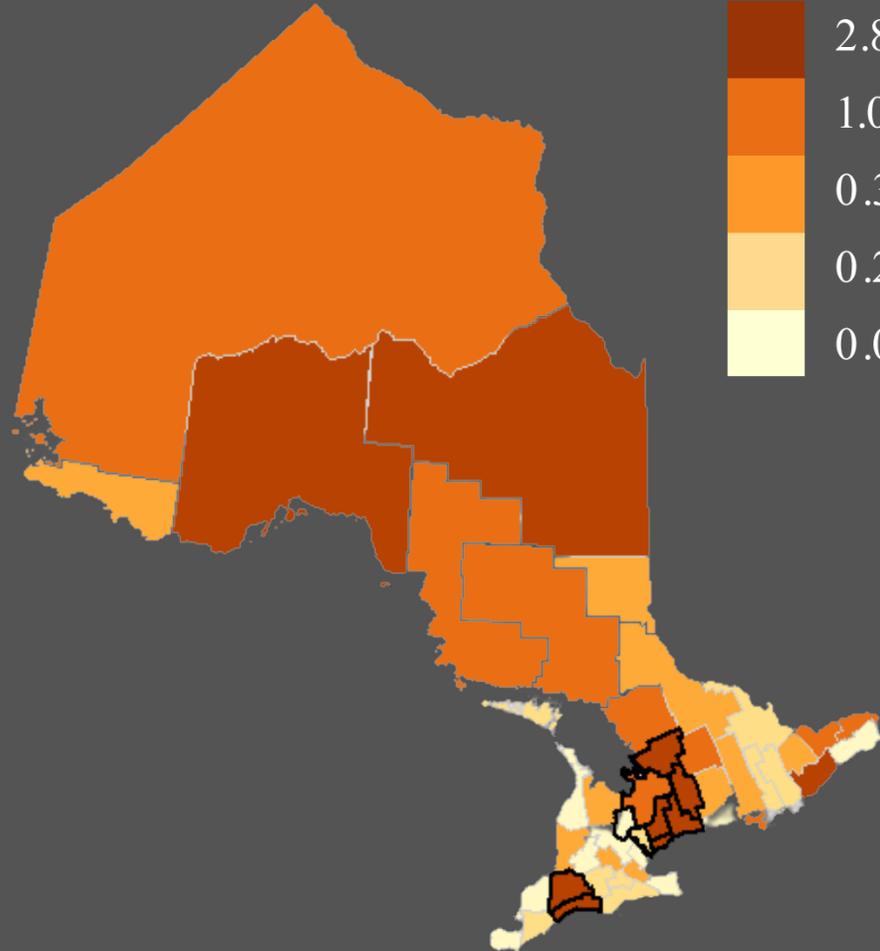
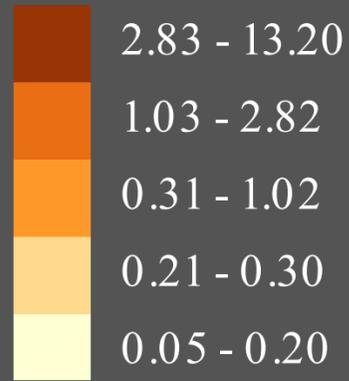


DATA COLLECTED FROM 2015 THROUGH 2020



ANALYZED 2,789 RECORDS FROM 19,131 COLONIES IN 1990 APIARIES OWNED BY 898 OPERATIONS

COLONY PREVALENCE (%)



MAIN FINDINGS



PREVALENCE: COLONY 1.57% (95% CI 1.40.75), APIARY 4.17% (95% CI 3.385.14), OPERATION 5.79% (95% CI 4.47.51)



NO APPARENT TEMPORAL TREND IN AFB PREVALENCE



TRANSMISSION DRIVEN BY BEEKEEPER PRACTICES RATHER THAN ENVIRONMENTAL FACTORS