

Community Environmental Health Team – Zoonotic Diseases Discussion – 8/2/22

Possible recommendation ideas from “Examining the paradox of urban disease ecology...” research paper

- Focus – arthropod vectors, rodents and other small animals found in urban environments
- Urban-wildlife interface
- Managing dogs – contribute to the spillover and spillback of pathogens
- Expanded vaccination of people and dogs
- Increased coordination between government agencies and stakeholders
- Enhanced surveillance
- Expanded public outreach and education programs, including ones that identify common misunderstandings about vector ecology
- Urban blue spaces as habitats for vectors and pathogens
- Integrated pest management (IPM) that emphasizes alternatives to chemical control of disease vectors
- Reducing the amount and number of plant species that contribute to the proliferation of mosquito larvae in ponds
- Removing and managing breeding sites

Discussion recommendation ideas:

- One Health integration
- Outreach and education at the local level
- Green infrastructure/natural species – unintended consequences -- HIA
- Formal communication process between the three agencies
 - One Health to break up the silos – goals for effective communication
- Do we have data that shows vulnerabilities across the state?
 - DEP --- Trends due to the ecology of the state; some regionality
- Local government involvement – thinking through the lifecycle and connecting the experts (health folks, landscape architects, planners)
- Curtailing antibiotic resistance – legislation – expanding successes in poultry to other farm sectors
- Pollution/climate change threat multipliers
- Exhaustive agricultural practices
- Biodiversity – does this touch on the green/blue infrastructure issues?
- Vaccination status – small farmers incentive program – might not be an issue in NJ
- Improved sanitation processes/quarantining
- Investing in research
- Backyard farmers are probably the NJ focus problem
 - Not vaccinated
 - Underserved for veterinarians – will telehealth help?

- Organics and antibiotics – e.g., cows – humane regulations for livestock
- Animal control for companion animals is pretty good here
- Feral cats are a bigger issue here