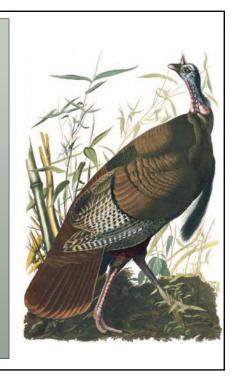
Epidemiology and Genetic Analysis of Lymphoproliferative **Disease Virus (LPDV) of** Wild Turkeys (Meleagris gallopavo) in New York

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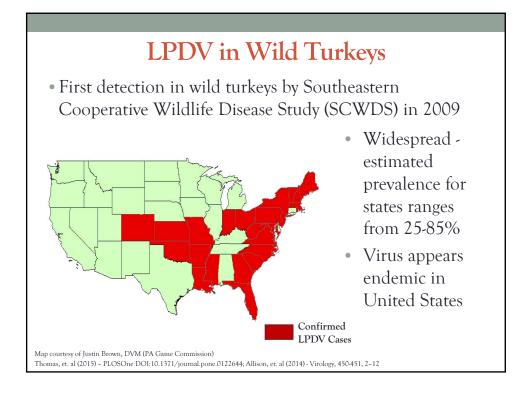


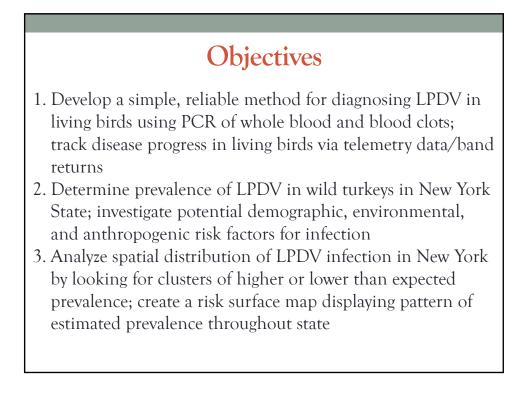


• Many birds appear asymptomatic (lack gross lesions)

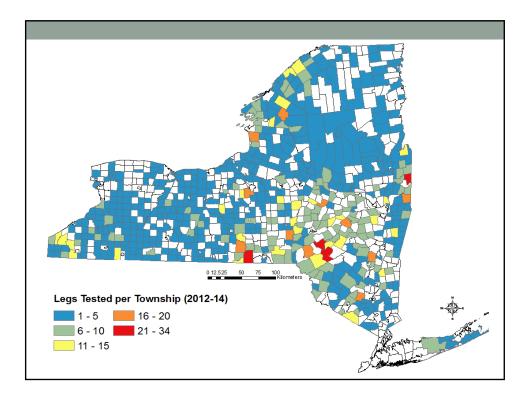


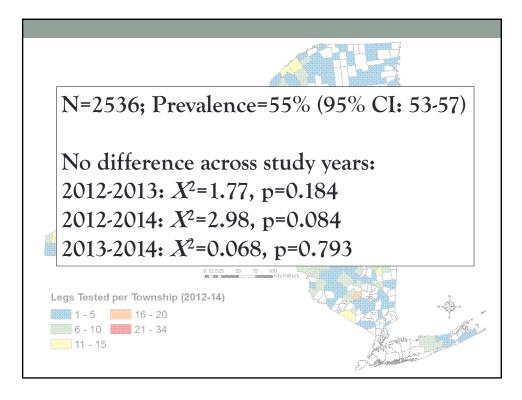
Photo credit: Allison, et. al (2014) - Virology, 450-451,

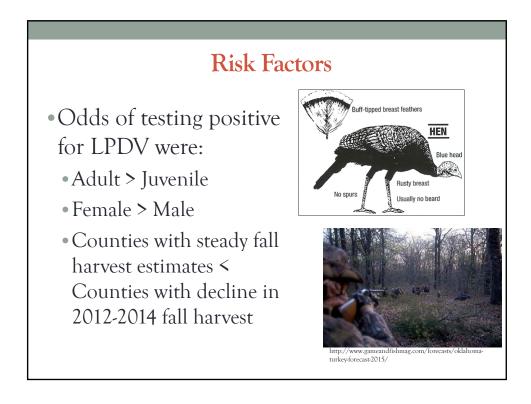




| | | Whole Blood vs. Buffy | | Whole Blood vs. Bone | |
|----|------------|-----------------------|-----------|----------------------|-----------|
| | | Coat | | Marrow | |
| | | Result | 95% CI | Result | 95% CI |
| А | pparent | | | | |
| p | revalence | 81% | 73-87% | 75% | 57-89% |
| Τ | rue | | | | |
| p | revalence | 83% | 76-89% | 72% | 53-86% |
| Se | ensitivity | 97% | 93-99% | 100% | 79-100% |
| | pecificity | 100% | 79-100% | 89% | 52-100% |
| С | Cohen's | | | | |
| k | appa | 0.93 | 0.84-1.00 | 0.92 | 0.77-1.07 |
| P | value | <0.0001 | | <0.0001 | |
| | | | | | |







Possible Explanations

- Juveniles falling below detection threshold
- LPDV related poult mortality being masked?
- Social dynamics of turkey flocks (age and sex segregation)

So what?

- Females drive population via production
- Importance of subclinical infections
- Transmission implications multiple routes?

