

Historical Arboviral Surveillance in Maine

- **2001: WNV presence found in Maine, September 2001**
 - 6 birds tested positive for WNV
 - 1 bird tested positive for EEE
- **2002:**
 - 60 birds tested positive for WNV
 - 1 mosquito pool (collection of mosquitoes) tested positive for WNV from Wells, ME
 - 1 bird tested positive for EEE
- **2003:**
 - 98 birds tested positive for WNV (July – October)
 - 2 mosquito pools positive for WNV from Brunswick, ME
- **2004:**
 - 1 bird tested positive for WNV (August)
- **2005:**
 - 22 birds tested positive for WNV (July – October)
 - 1 mosquito pool tested positive for EEE from York, ME (October)
 - 2 horses tested positive for EEE in York County (September , October)
 - 12 birds tested positive for EEE (September, October)
- **2006:**
 - 11 birds tested positive for WNV (July – September)
- **2007: No recorded WNV or EEE activity in Maine**
- **2008:**
 - 1 mosquito pool tested positive for EEE from Arundel, ME (September)
 - 1 horse tested positive for EEE in York County (September)
 - A fatal case of EEE was diagnosed in a Massachusetts resident who may have acquired the infection while vacationing in Cumberland County
- **2009: EEE Outbreak Year in Maine**
 - 15 horses tested positive for EEE (August – October)
 - 12 confirmed
 - 3 suspect
 - Spread over 5 counties in ME (York, Cumberland, Kennebec, Waldo, Penobscot)
 - 1 llama tested positive for EEE from York Beach, ME (September)
 - 3 flocks of pheasants tested positive for EEE from S. (September, October)
 - South Berwick, Parsonsfield, Dayton
 - 2 mosquito pools tested positive for EEE from York County (September)
 - 1 mosquito pool tested positive for WNV from York County
- **2010:**
 - 1 seropositive Wild Turkey from Penobscot County

- 1 mosquito pool tested positive for WNV from York County
- **2011:**
 - 10 Turkeys sero-positive for EEE (indicates prior infection, not active virus)
- **2012:**
 - 7 mosquito pools tested positive for WNV from Lebanon & Gorham
 - First pool collected 8/1/2012 – Earliest virus has been found in MOSQUITOES in Maine
 - 1 pheasant flock with EEE
 - Flock came down with illness in first week of September, culled to stop further transmission
 - Maine's first WNV + human
 - Symptom onset 10/1/2012, meningitis, encephalitis, double vision, fever, overall muscle weakness. No travel history.
 - 2 EEE sero-positive songbirds via a research project between BRI & MMCRI, collected in May

Maine has also been involved in a federally funded EEE serosurvey with CDC Ft. Collins for the past 3 years looking at seroprevalence for EEE in deer and moose.

Seropositive animals have been found in 13 of Maine's 16 counties. Seropositivity does not indicate active infection.

Maine discontinued testing birds in 2006.