

Human and Zoonotic Disease Surveillance Report



RABIES VACCINATION CLINICS—2016

Available free of charge to Madison County residents.

A voluntary \$5.00 donation per pet is requested to help defray clinic costs.

Complete 2016 schedule online: healthymadisoncounty.org/events/

SEPTEMBER

21
Wednesday
Wampsville Highway Dept.
139 North Court Street
5pm-7pm

OCTOBER




19
Wednesday
Bridgeport Fire Department
427 State Route 31
5pm-7pm

DECEMBER Last clinic until March 2017!

10
Saturday
Oneida Vets Memorial Field
260 North Main Street
9:30am-11:30am

AUGUST 2016

Laboratory Confirmed Rabies in Animals by Township, 7/22/16-9/8/16

Township	Bat Specimen Submitted 	Dog Specimen Submitted 	Total Number People Exposed / Outcome 
Cazenovia	5	0	11 exposed / No treatment needed
Eaton	1	0	2 exposed / No treatment needed
Hamilton	2	0	1 exposed / No treatment needed
Lenox	3	0	4 exposed / No treatment needed
Oneida	12 (1 positive)	1	25 exposed / 1 received RPEP
Sullivan	2	0	1 exposed / No treatment needed
TOTAL	25	1	44 exposed / 1 received RPEP
Total Rabies Positive Animals in 2016 to date: 5 (2 Foxes, 1 Raccoon, 2 Bats)			
Total Specimens Inconclusive (Untestable) in 2016 to date: 1 (1 Bat)			
Total Specimens Submitted for Rabies Testing in 2016 to date: 44 (30 Bats, 1 Bobcat, 2 Dogs, 7 Domestic Cats, 3 Foxes, 1 Raccoon)			
*RPEP = Rabies Post-Exposure Prophylaxis			

TICK SURVEILLANCE IN MADISON COUNTY, 2015

New York State Department of Health (NYSDOH) staff collect and test blacklegged ticks (or deer ticks) in Madison County yearly to monitor for five tick-borne pathogens. Field staff attempt to collect 50 ticks in each collection location. In some locations, this may take minutes, and in others it may not happen, even after several hours.

Below is a summary of positive results from fall 2015 across eight locations across the towns of Brookfield, Eaton (2 locations), Hamilton (2 locations), Georgetown, and Nelson (2 locations):



- Eaton, one tick was collected at location 1 and tested negative for disease.
- Brookfield, one tick was collected, and tested negative for disease.
- Hamilton, 9 ticks were collected at location 1 of which three tested positive for *B. burdorferi* and one tested positive for *B. miyamotoi*; at location 2, one tick was collected and tested negative for disease.

Borrelia burgdorferi is the bacterial causative agent of Lyme disease and *Borrelia miyamotoi* is the bacterial causative agent of *Borrelia miyamotoi* disease.

The results should only be used to help develop strategies to educate the public about the potential risk of encountering ticks and how to reduce the risk of exposure to ticks.

These results only provide information about tick infection at a precise location at a particular point in time. Therefore, these **data should not be used to broadly predict disease risk for a larger area, such as for the county or the town.** Percent of ticks positive for a specific pathogen is only part of the risk equation for tick borne diseases. Likelihood of encountering a tick also plays an important role. That likelihood varies with time and location, within both the state and the county.

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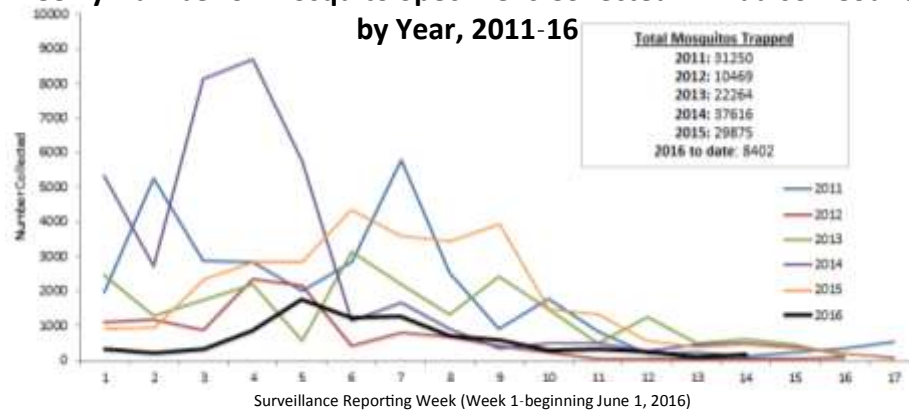
AUGUST 2016

Madison County Disease Surveillance Updates, Weeks 29-36 7/17/16-9/3/16

Mosquito Surveillance

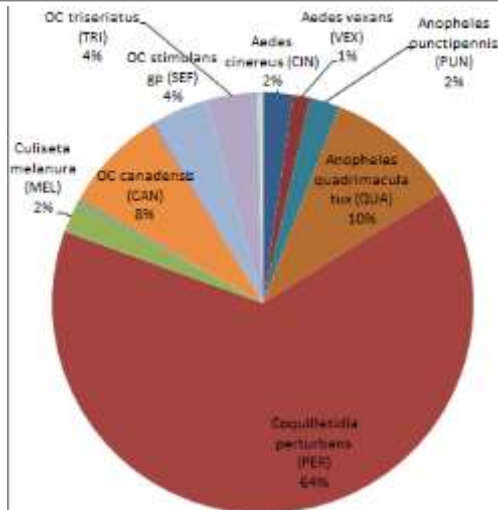
- As of 9/8/16, no mosquito borne disease has been detected in Madison County.
- As of 9/3/16, Onondaga County has detected West Nile Virus (WNV) and Oswego County has detected Eastern Equine Encephalitis (EEE).
- In NYS, no mosquito pools have been positive for Zika virus and no local transmission has been identified to date. View the NYS report at http://www.health.ny.gov/diseases/west_nile_virus/docs/weekly_arboviral_surveillance_report.pdf

Weekly Number of Mosquito Specimens Collected in Madison County by Year, 2011-16



Percent of Mosquito Specimens by Species Type, 6/1/16-9/3/16

The majority, 64 percent, of mosquitoes collected through active mosquito trapping by Madison County Health Department were from the mosquito species *Cq. perturbans*. This species of mosquito typically bites mammals, birds, and humans, is an all day biting mosquito, and is known to be a carrier of EEE and WNV. A total of 18 different species of mosquitoes were collected in 2016.



Communicable Diseases Reported to the Health Department: 24 Chlamydia, 19 Lyme disease, 3 Cryptosporidium, 4 Campylobacter, 5 Giardia, 3 E. coli, 2 Gonorrhea, 2 Salmonella, 1 acute Hepatitis C, 4 new chronic Hepatitis C, 1 Malaria, and 1 Syphilis

Primary Care Providers Reported*: **allergies, coxsackie virus**, ear infections, fever, gastrointestinal illness (GI), hives, insect bites, lice, lyme disease, pink eye, rashes, respiratory, shingles, sinus, sore throat, strep, swimmer's ear, **upper respiratory infections (URI)**, vector-borne disease (**bolded items reported for 6 weeks or more**)

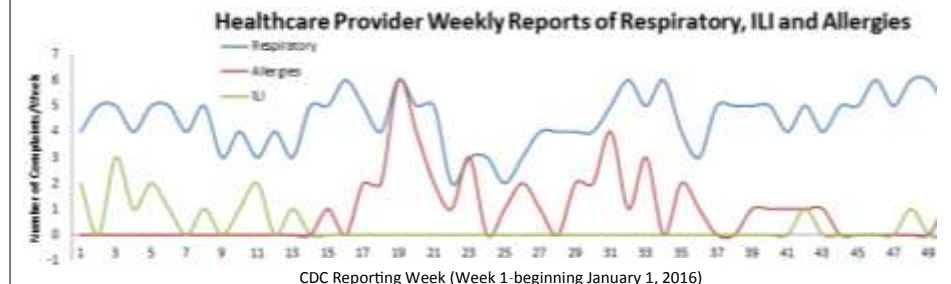
Hospital Weekly Surveillance*: Abscesses, **respiratory illness**, fever, GI, **COPD exacerbation**, influenza-like illness, rashes, sinus, sore throats, strep throat, upper respiratory illness, and vector-borne illness (Lyme disease) (**bolded items reported for 6 weeks or more**)

Colleges*: The week ending 9/3/16, GI, sexually transmitted infections (STI), and upper respiratory infections (URI) were reported

Syndromic Surveillance in Emergency Departments: Weeks of 7/13 - 7/22 and 8/5 - 8/14, mild/moderate signals for GI were reported by *Oneida Healthcare*

Children's Summer Camps Reported*: Allergies, asthma exacerbations, GI with fever and nausea, heat related illnesses, headaches, respiratory illness, strep throat, and vector-borne illness (ticks and lice)

Medicaid Over-the-Counter (OTC) & Script Medication Alerts: 7/2—7/11/16, mild to moderate signals for analgesics-non narcotic (over-the-counter pain/fever reducing medication); 7/31 - 8/9/16 mild sensitivity for 3rd & 4th Generation Cephalosporins (antibiotics); 8/5 - 8/14/16 mild sensitivity for 3rd & 4th Generation Cephalosporins



*Information denoted with an asterisk is subjective and provided on a voluntary basis.

View all past surveillance reports online at www.healthymadisoncounty.org