VECTOR SURVEILLANCE IN NEW JERSEY

EEE, WNV, SLE, LAC, DENV and CHIK

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CDC WEEK 34: 17 August to 23 August, 2014

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Culiseta melanura and Eastern Equine Encephalitis

SITE/Boxes	Inland or Coastal	Historic Population Mean	Current Weekly Mean	Total Tested* (Collected)	Total Pools Tested* (Submitted)	EEE Isolation Pools	MFIR
Bass River (Burlington Co.)/5	**Coastal**	0.45	0.40	4 (6)	3 (4)		
Green Bank (Burlington Co.)/25	**Coastal**	3.63	0.32	86 (94)	11 (12)	1	10.64
Corbin City (Atlantic Co.)/25	**Coastal**	1.69	0.36	179 (188)	11 (12)		
Dennisville (Cape May Co.)/50	**Coastal**	9.29	0.30	323	13	3	9.29
Winslow (Camden Co.)/50	**Inland**	0.87	1.44	928	23		
Centerton (Salem Co.)/50	**Inland**	4.00	0.24	335	14		
Turkey Swamp (Monmouth Co.)/50	**Inland**	2.00	0.52	127 (153)	12 (13)		
Glassboro (Gloucester Co.)/50	**Inland**	0.48	0.26	389	14		

*Current week (in parentheses) results pending.

Remarks: EEE activity continues with two additional positive *Cs. melanura* mosquito pools from two Burlington County non-traditional sites. Total number of positive EEE pools is 8, all in *Cs. melanura.* Statewide, for all mosquitoes tested, MFIR is 0.872. *Cs. melanura* activity continue to remain relatively low (see page 3 population graphs) with regard to resting box data.

Traditional Resting Box Sites: No new EEE positive pools have been detected at the traditional sites. To date, 2371 *Cs. melanura* from 101 pools have been tested for EEE at the traditional resting box sites. Overall MFIR for these traditional sites is 1.69. Four additional pools containing 45 *Cs. melanura* remains to be tested.

Additional *Cs. melanura* trapped by counties *traps with positives indicated in **BOLD.**				
County	**Trap types***	**Number collected (pools)**	**Number of positive pools**	**MFIR**
Atlantic	CO_2	4 (3)		
Burlington	**CO_2**	3268 (72)	3	0.918
Cape May	RB	173 (12)		
Cumberland	CO_2, RB	74 (12)		
Gloucester	**RB**	673 (49)	1	1.486
Monmouth	Other	2 (1)		
Ocean	CO_2, RB	27 (8)		
Salem	CO_2	7 (4)		
TOTAL		**4228 (161)**	**4**	**0.946**

Additional *Cs. melanura*: Counties submit additional pools of *Cs. melanura* caught in other trap types as well as resting boxes. Two additional positive pools were detected in CO_2 traps from Burlington County. Virus was first detected in these additional pools from a Gloucester County resting box sampled on 23 July.

Species other than *Cs. melanura*	**Pools**	**Mosquitoes**	**Positives**	**MFIR**
Aedes canadensis canadensis	3	81		
Aedes cantator	4	7		
Aedes mitchellae	1	1		
Aedes sollicitans	4	45		
Aedes taeniorhynchus	3	28		
Aedes triseriatus	1	9		
Aedes vexans	2	21		
Anopheles bradleyi	10	308		
Anopheles punctipennis	30	571		
Anopheles quadrimaculatus	15	381		
Coquillettidia perturbans	34	660		
Culex erraticus	7	59		
Culex pipiens	16	72		
Culex restuans	2	11		
Culex salinarius	23	296		
Culex spp.	4	26		
Culex territans	1	1		
Culiseta morsitans	1	1		
State Total	**161**	**2578**		

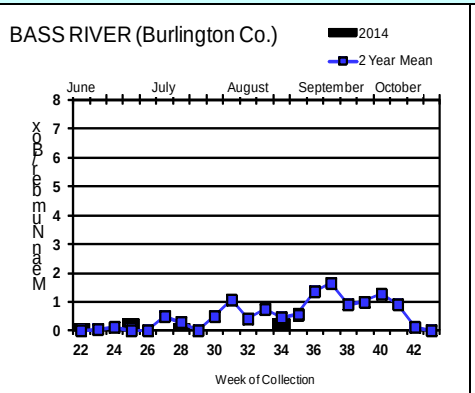
Additional Species: Counties submit additional pools of species other than *Cs. melanura* for EEE virus testing. Currently, no detection of EEE in other species has occurred.

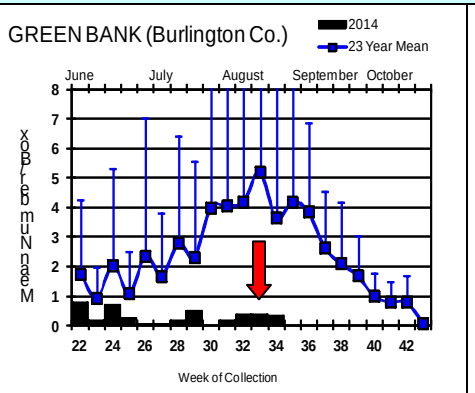
Horses and Humans: Currently there is no reported horse or human cases

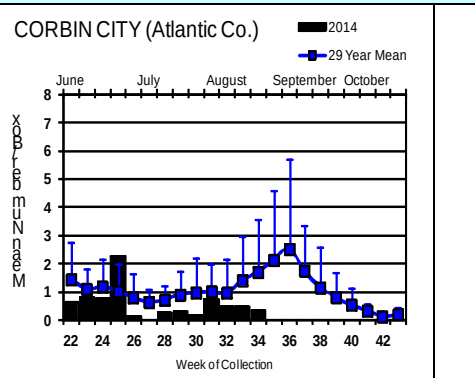
Horses and Vaccinations: The fate of unvaccinated equids reinforces the necessity of maintaining a vaccination schedule for arboviruses. For vaccination schedules recommended by the American Association of Equine Practices, see: http://www.aaep.org/vaccination_guidelines.htm

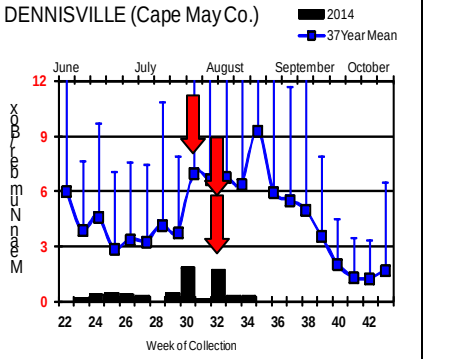
Culiseta melanura Population Graphs

Coastal

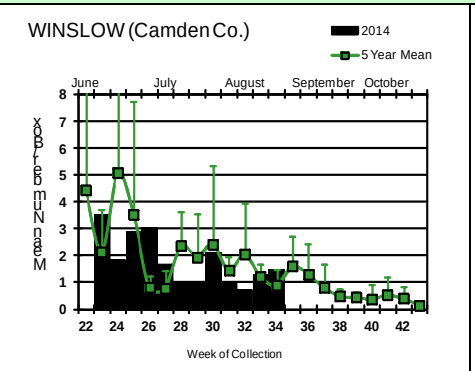


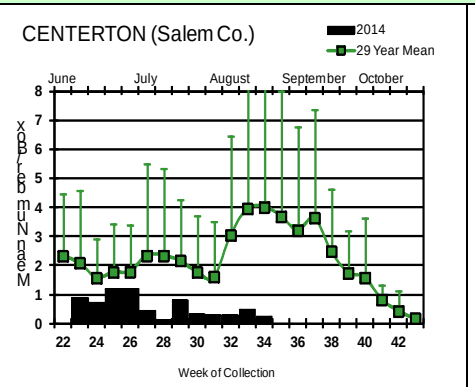


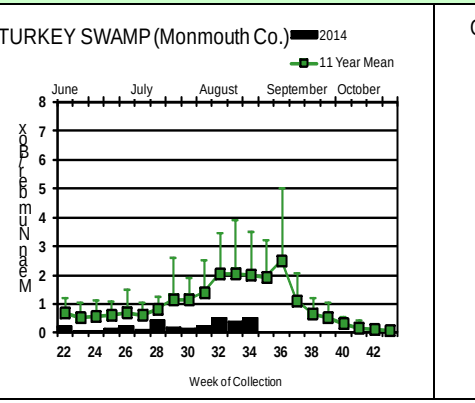


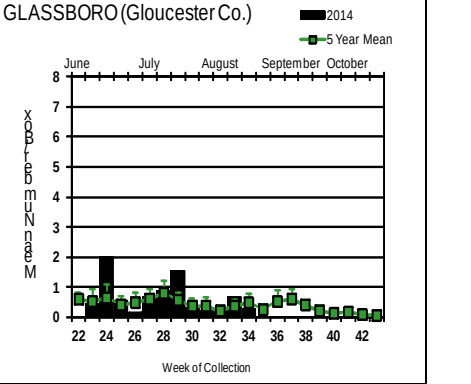


Inland









Culiseta melanura populations continue to remain below historical values at most sites. Winslow had moderately higher populations than historical levels (but just barely above 1sd).

= Positive pool(s) detected (red = melanura, purple = other).

EEE in US (2014 cumulative cases): (Black or Red = previous + new reported cases occurring)

- equine: AL(2) FL (39 +2 deer) GA(6) LA(3) MA(1) NC(2) NY(1) SC(1)
- mosquito pools: GA(1) MA(13) NH(3) NJ(8) NY(41) VA(1) VT(3)
- sentinel: AL(3) FL(139) GA(1) VA(3 cassowaries)
- human: NH(1) NY(1)

West Nile Virus Positive Organisms in US

West Nile in US (2014 cumulative cases): Single black values indicate no change from previous week. Black values / red values equals previous week/New totals.
Note: Data reported by all states should be considered provisional and subject to change. Sources for this table can be found here.

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Alabama				1	1
Alaska					
Arizona	1	112/162			13/20
Arkansas					1/2
California	1410/1570	2040/2308	129/184		57/93
Colorado	1	85/101		1/2	9/12
Connecticut		8/16			0
Delaware	1				
DC					1
Florida			18/24	1	
Georgia	0	25			1
Hawaii					
Idaho		39/45		1	4/5
Illinois	15/17	253/369			1
Indiana		45/53			1
Iowa		1		1	4
Kansas		0			1
Kentucky				0	
Louisiana		532/641	12/13	1	42/52
Maine		0		0	0
Maryland		5/11		0	0
Mass.		22/26		0	1
Michigan	4/5	6			
Minnesota	2	8/10		1	1
Mississippi		49/54		0	9
Missouri		34		0	1

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Montana		2			
Nebraska	3	47/127		0	8/14
Nevada		11			
New Hampshire		0		0	0
New Jersey	11	223/303		0	1/2
New Mexico		1		1/2	1
New York		179/254			1/2
North Carolina					
North Dakota	0	4/6		2*	3/4
Ohio		73			
Oklahoma		4			1/2
Oregon	0	12/24	0	0	0
Pennsylvania	6/7	668/812			2
Rhode Island		1			
South Carolina	1				
South Dakota	1	56/57		1	15/22
Tennessee	0	91/139		0	2
Texas	41/50	1014/1209		1	16/49
Utah	2	35/83			1
Vermont		1		0	0
Virginia					
Washington	0	34/42		1	1/3
West Virginia	0			0	0
Wisconsin	20	5		1	1
Wyoming	1	8/11		1/2	1

* Can include other species (e.g., dogs, cows) reported positive.

Protocol: New Jersey Department of Health (NJDH Public Health Environmental and Agricultural Laboratories, PHEAL) and the Cape May County Department of Mosquito Control tests mosquito pools using RT-PCR Taqman techniques.

Mosquito Species Submitted and Tested for West Nile Virus Testing through 25 August 2014

Species	Pools	Mosquitoes	Positives	MFIR
Aedes albopictus	443	3939	9	2.285
Aedes canadensis canadensis	27	541		
Aedes cantator	15	203		
Aedes japonicus	326	1925	2	1.039
Aedes mitchellae	1	1		
Aedes sollicitans	9	94		
Aedes sticticus	3	7		
Aedes taeniorhynchus	11	246		
Aedes triseriatus	88	371		
Aedes trivittatus	11	58		
Aedes vexans	35	248		
Anopheles bradleyi	20	596		
Anopheles punctipennis	70	798		
Anopheles quadrimaculatus	47	1003		
Coquillettidia perturbans	69	1059		
Culex erraticus	25	145		
Culex pipiens	373	11555	18	1.558
Culex restuans	181	4378	13	2.969
Culex salinarius	28	317		
Culex spp.	2190	89896	259	2.881
Culex territans	3	3		
Culiseta melanura	273	6327	2	0.316
Culiseta morsitans	1	1		
Psorophora ciliata	2	2		
Psorophora columbiae	5	13		
Psorophora ferox	8	42		
State Total	**4264**	**123768**	**303**	**2.448**

Remarks: To date, 4264 pools of 123,768 mosquitoes from 25 species have been tested, with 303 positive pools detected. First positive was detected in a Mixed *Culex* pool collected on 20 May in Camden County. First detection in *Ae. albopictus* occurred on 9 July in Middlesex County and first detection in *Ae. japonicus* occurred on 30 July in Ocean County. First detection in *Cs. melanura* occurred on 11 Aug in both Burlington and Cape May Counties. Nineteen counties have detected positive pools, including Atlantic, Bergen, Burlington, Camden, Cape May, Essex, Gloucester, Hudson, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Somerset, Sussex, Union and Warren Counties. Overall MFIR for the state has increased from 1.991 to 2.448.

Humans, Horses and Wild Birds: A second human case of WNV has occurred, in Monmouth County. For further information, see http://www.state.nj.us/health/cd/westnile/techinfo.shtml.

No horse cases have been detected.

Bird testing began in mid-April. First positive bird (Fish Crow in Mercer County collected 8 July) has been reported. To date, 91 birds have been tested, with 11 positives. Species includes: American Crow (*Corvis brachyrhynchos* 2/2) Fish Crow (*Corvus ossifragus* 7/29), Blue Jay (*Cyanocitta cristata* 0/8), Hawk/Raptor (1/7), unidentified corvid (0/3) and other avian species (1/42). Counties (positives) submitting birds are Atlantic, Bergen, Burlington, Cape May, Cumberland, Essex, Hunterdon, Mercer, Middlesex, Monmouth, Morris, Ocean, Passaic, Salem, Sussex, Union and Warren.

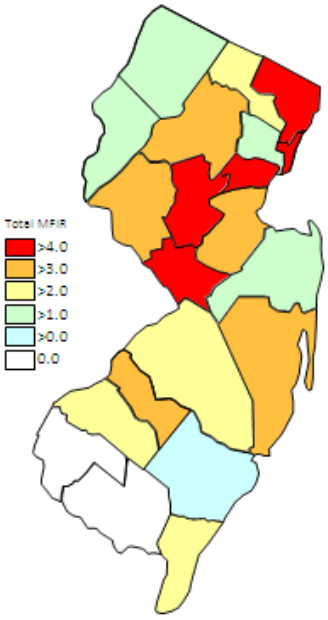
WNV Results by County through 25 August 2014

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		**102**	**2692**	**15**	**5.572**
	Aedes albopictus	16	127	1	7.874
	Aedes canadensis canadensis	3	26		
	Aedes cantator	2	5		
	Aedes japonicus	2	16		
	Aedes sollicitans	1	5		
	Aedes sticticus	1	1		
	Aedes taeniorhynchus	4	196		
	Aedes vexans	4	24		
	Anopheles bradleyi	1	2		
	Anopheles punctipennis	2	4		
	Anopheles quadrimaculatus	1	7		
	Coquillettidia perturbans	4	23		
	Culex spp.	43	2034	14	6.883
	Culiseta melanura	15	186		
	Psorophora ferox	3	36		
Bergen		**135**	**10125**	**54**	**5.333**
	Culex spp.	135	10125	54	5.333
Burlington		**278**	**7673**	**8**	**1.043**
	Aedes albopictus	30	207		
	Aedes canadensis canadensis	1	75		
	Aedes japonicus	22	226		
	Aedes mitchellae	1	1		
	Aedes taeniorhynchus	3	28		
	Aedes triseriatus	5	52		
	Aedes trivittatus	1	41		
	Aedes vexans	4	69		
	Anopheles bradleyi	4	169		
	Anopheles punctipennis	3	13		
	Anopheles quadrimaculatus	1	21		
	Coquillettidia perturbans	4	131		
	Culex erraticus	3	8		
	Culex salinarius	13	182		
	Culex spp.	97	3092	7	2.264
	Culiseta melanura	86	3358	1	0.298
Camden		**279**	**8255**	**20**	**2.423**
	Aedes albopictus	13	18		
	Aedes japonicus	75	310		
	Culex spp.	172	7170	20	2.789
	Culiseta melanura	19	757		
Cape May		**279**	**3283**	**1**	**0.305**
	Aedes albopictus	20	93		
	Aedes canadensis canadensis	1	1		
	Aedes cantator	4	7		
	Aedes japonicus	9	18		
	Aedes triseriatus	11	47		
	Anopheles bradleyi	6	139		
	Anopheles quadrimaculatus	14	484		

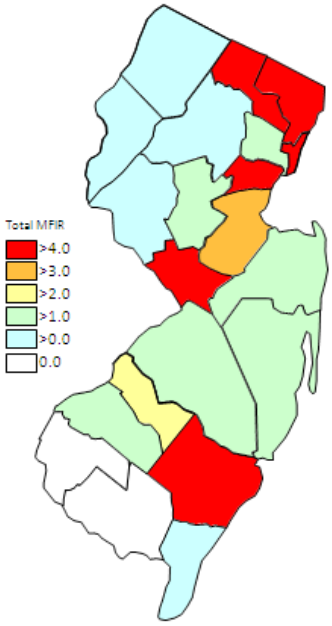
	Coquillettidia perturbans	3	52		
	Culex erraticus	5	53		
	Culex pipiens	115	1404		
	Culex restuans	58	457		
	Culex salinarius	7	59		
	Culex spp.	1	2		
	Culex territans	2	2		
	Culiseta melanura	23	465	1	2.151
Cumberland		**114**	**1801**		
	Aedes albopictus	3	6		
	Aedes canadensis canadensis	1	2		
	Aedes japonicus	2	2		
	Aedes sollicitans	4	45		
	Aedes taeniorhynchus	2	18		
	Aedes vexans	5	48		
	Anopheles bradleyi	8	285		
	Anopheles punctipennis	10	118		
	Anopheles quadrimaculatus	4	20		
	Coquillettidia perturbans	8	245		
	Culex pipiens	1	5		
	Culex salinarius	4	65		
	Culex spp.	43	850		
	Culiseta melanura	13	78		
	Psorophora ciliata	2	2		
	Psorophora columbiae	3	11		
	Psorophora ferox	1	1		
Essex		**200**	**2395**	**3**	**1.253**
	Aedes albopictus	12	39		
	Aedes japonicus	29	96		
	Aedes triseriatus	4	8		
	Aedes trivittatus	4	9		
	Aedes vexans	1	4		
	Anopheles quadrimaculatus	3	3		
	Culex spp.	145	2234	3	1.343
	Psorophora ferox	2	2		
Gloucester		**381**	**12354**	**15**	**1.214**
	Aedes albopictus	50	567	2	3.527
	Aedes japonicus	10	157		
	Aedes triseriatus	4	45		
	Aedes vexans	1	4		
	Anopheles punctipennis	24	552		
	Anopheles quadrimaculatus	14	380		
	Coquillettidia perturbans	4	38		
	Culex pipiens	214	9609	13	1.353
	Culiseta melanura	60	1002		
Hudson		**91**	**4393**	**35**	**7.967**
	Aedes albopictus	9	125	1	8.000
	Culex spp.	82	4268	34	7.966
Hunterdon		**194**	**9583**	**4**	**0.417**
	Culex spp.	194	9583	4	0.417

Mercer		**296**	**6630**	**29**	**4.374**
	Aedes albopictus	49	465		
	Aedes canadensis canadensis	2	5		
	Aedes japonicus	36	127		
	Aedes triseriatus	9	21		
	Aedes vexans	4	47		
	Culex pipiens	39	531	5	9.416
	Culex restuans	120	3917	13	3.319
	Culex salinarius	2	8		
	Culex spp.	35	1509	11	7.290
Middlesex		**238**	**11065**	**39**	**3.525**
	Aedes albopictus	35	272	3	11.029
	Aedes triseriatus	2	14		0.000
	Culex spp.	201	10779	36	3.340
Monmouth		**305**	**4422**	**5**	**1.131**
	Aedes albopictus	76	889		
	Aedes canadensis canadensis	14	273		
	Aedes cantator	6	56		
	Aedes japonicus	31	137		
	Aedes sollicitans	4	44		
	Aedes taeniorhynchus	2	4		
	Aedes triseriatus	13	39		
	Aedes trivitattus	6	8		
	Aedes vexans	9	26		
	Anopheles punctipennis	15	23		
	Anopheles quadrimaculatus	3	3		
	Coquillettidia perturbans	5	5		
	Culex erraticus	3	9		
	Culex restuans	1	1		
	Culex salinarius	1	1		
	Culex spp.	98	2770	5	1.805
	Culex territans	1	1		
	Culiseta melanura	13	129		
	Culiseta morsitans	1	1		
	Psorophora columbiae	2	2		
	Psorophora ferox	1	1		
Morris		**181**	**8325**	**3**	**0.360**
	Aedes albopictus	4	58		
	Coquillettidia perturbans	4	200		
	Culex spp.	173	8067	3	0.372
Ocean		**237**	**3363**	**6**	**1.784**
	Aedes albopictus	53	640		
	Aedes canadensis canadensis	3	96		
	Aedes cantator	3	135		
	Aedes japonicus	36	149	2	13.423
	Aedes sticticus	2	6		
	Aedes triseriatus	10	31		
	Aedes vexans	6	23		
	Coquillettidia perturbans	16	91		
	Culex erraticus	3	4		

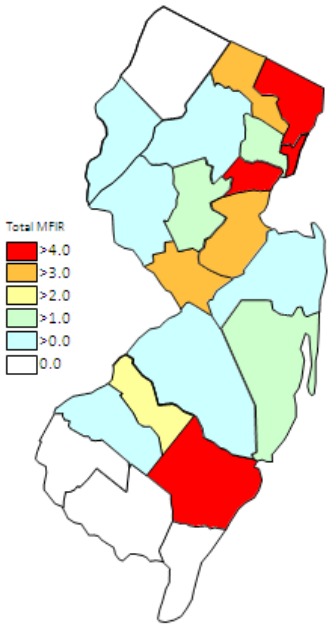
	Culex salinarius	1	2		
	Culex spp.	74	2125	4	1.882
	Culiseta melanura	29	59		
	Psorophora ferox	1	2		
Passaic		**109**	**3325**	**16**	**4.812**
	Aedes albopictus	10	35		
	Aedes japonicus	25	253		
	Aedes triseriatus	5	9		
	Aedes vexans	1	3		
	Culex spp.	68	3025	16	5.289
Salem		**221**	**2139**		
	Aedes albopictus	44	226		
	Aedes japonicus	21	52		
	Aedes triseriatus	16	32		
	Anopheles bradleyi	1	1		
	Anopheles punctipennis	13	78		
	Anopheles quadrimaculatus	6	80		
	Coquillettidia perturbans	20	257		
	Culex erraticus	11	71		
	Culex pipiens	4	6		
	Culex restuans	2	3		
	Culex spp.	68	1040		
	Culiseta melanura	15	293		
Somerset		**181**	**3934**	**5**	**1.271**
	Aedes albopictus	7	30		
	Aedes canadensis canadensis	1	3		
	Aedes japonicus	17	207		
	Aedes triseriatus	3	9		
	Anopheles punctipennis	1	2		
	Culex spp.	152	3683	5	1.358
Sussex		**136**	**3997**	**1**	**0.250**
	Aedes japonicus	5	72		
	Aedes triseriatus	6	64		
	Anopheles punctipennis	2	8		
	Anopheles quadrimaculatus	1	5		
	Coquillettidia perturbans	1	17		
	Culex spp.	121	3831	1	0.261
Union		**109**	**5292**	**42**	**7.937**
	Aedes albopictus	11	125	2	16.000
	Aedes canadensis canadensis	1	60		
	Aedes japonicus	3	43		
	Culex spp.	94	5064	40	7.899
Warren		**198**	**8722**	**2**	**0.229**
	Aedes albopictus	1	17		
	Aedes japonicus	3	60		
	Culex spp.	194	8645	2	0.231
Grand Total		**4264**	**123768**	**303**	**2.448**



Cumulative WNV activity in 2013.



WNV activity to 25 August 2014.



WNV activity last week, 2014.

Saint Louis Encephalitis (SLE) to 25 August 2014.

New Jersey will be selectively testing for SLE this year. SLE has had previous activity in New Jersey, most notably in 1964 and 1975 (CDC's SLE website), the latter prompting the surveillance reporting by Rutgers. SLE is a flavivirus and has a similar transmission pattern to West Nile, with *Culex* species as the predominant vectors.

No pools have been detected positive for SLE in 2014.

County	Species	Pools	Mosquitoes	Positives	MFIR
Burlington		**110**	**3244**		
	Aedes japonicus	17	193		
	Culex spp.	93	3051		
Cape May		**16**	**67**		
	Culex pipiens	15	65		
	Culex spp.	1	2		
Grand Total		**126**	**3311**		

La Crosse Encephalitis (LAC) through 25 August 2014.

New Jersey will be selectively testing for La Crosse (LAC) virus this year. New Jersey has had 3 cases of this encephalitic disease since 1964 (see CDC's LAC website). The mortality is low but like other encephalitides, LAC can have both personal (lasting neurological sequelae) and economic impacts. LAC is a bunyavirus with a transmission cycle involving mosquitoes such as *Aedes triseriatus* and small mammals such as squirrels and chipmunks. LAC can not only infect *Aedes albopictus* but transovarial transmission was also demonstrated. (Tesh and Gubler 1975 Laboratory studies of transovarial transmission of La Crosse and other arboviruses by *Aedes albopictus* and *Culex fatigans.* American Journal of Tropical Medicine and Hygiene 24(5):876-880).

No pools have been detected positive for LAC in 2014.

County	Species	Pools	Mosquitoes	Positives	MFIR
Burlington		**17**	**138**		
	Aedes albopictus	9	70		
	Aedes japonicus	3	16		
	Aedes triseriatus	5	52		
Cape May		**12**	**54**		
	Aedes triseriatus	11	47		
	Culex pipiens	1	7		
Salem		**5**	**9**		
	Aedes triseriatus	5	9		
Grand Total		**34**	**201**		

Dengue (DENV) to 25 August 2014.

New Jersey will be selectively testing for DENV (including serotypes) this year. Dengue has not had a history of local transmission here in New Jersey, but each year, travelers can bring virus back from areas in the world with virus activity. This is significant as humans are NOT dead-end hosts and thus there is the potential for local transmission (i.e., New Jersey mosquitoes biting a sick person and then biting and transmitting the disease to someone else) to be established. DENV is a flavivirus but unlike WNV, *Aedes* mosquitoes are predominant vectors. In New Jersey, *Aedes albopictus* is a candidate for local transmission. There are 4 serotypes tested for Dengue. There are currently 18 imported human cases in New Jersey, no local transmission.

Note Same pools of *Ae. albopictus* were tested for the four serotypes of Dengue as well as Chikungunya.

No pools have been detected positive for DENV in 2014.

County	Species	DENV1		DENV2		DENV3		DENV4		Positives	MFIR
		Pool	Mos.	Pool	Mos.	Pool	Mos.	Pool	Mos.		
Atlantic		**13**	**118**	**13**	**118**	**13**	**118**	**12**	**112**		
	Aedes albopictus	13	118	13	118	13	118	12	112		
Burlington		**19**	**121**	**19**	**121**	**19**	**121**	**19**	**19**		
	Aedes albopictus	19	121	19	121	19	121	19	19		
Camden		**5**	**8**	**5**	**8**	**5**	**8**	**5**	**8**		
	Aedes albopictus	5	8	5	8	5	8	5	8		
Cape May		**13**	**84**	**13**	**84**	**13**	**84**	**13**	**84**		
	Aedes albopictus	13	84	13	84	13	84	13	84		
Cumberland		**2**	**5**	**2**	**5**	**2**	**5**	**2**	**5**		
	Aedes albopictus	2	5	2	5	2	5	2	5		
Gloucester		**40**	**393**	**40**	**393**	**40**	**393**	**40**	**393**		
	Aedes albopictus	40	393	40	393	40	393	40	393		

Hudson		**9**	**125**	**9**	**125**	**9**	**125**	**9**	**125**		
	Aedes albopictus	9	125	9	125	9	125	9	125		
Mercer		**32**	**392**	**32**	**392**	**32**	**392**	**32**	**392**		
	Aedes albopictus	32	392	32	392	32	392	32	392		
Middlesex		**34**	**269**	**34**	**269**	**34**	**269**	**34**	**269**		
	Aedes albopictus	34	269	34	269	34	269	34	269		
Monmouth		**48**	**770**	**48**	**770**	**48**	**770**	**48**	**770**		
	Aedes albopictus	48	770	48	770	48	770	48	770		
Morris		**1**	**7**	**1**	**7**	**1**	**7**	**1**	**7**		
	Aedes albopictus	1	7	1	7	1	7	1	7		
Passaic		**1**	**2**	**1**	**2**	**1**	**2**	**1**	**2**		
	Aedes albopictus	1	2	1	2	1	2	1	2		
Salem		**40**	**214**	**40**	**214**	**40**	**214**	**40**	**214**		
	Aedes albopictus	40	214	40	214	40	214	40	214		
Somerset		**1**	**1**	**1**	**1**	**1**	**1**	**1**	**1**		
	Aedes albopictus	1	1	1	1	1	1	1	1		
Grand Total		**258**	**2509**	**258**	**2509**	**258**	**2509**	**257**	**2503**		

Chikungunya (CHIK) to 25 August 2014.

New Jersey will be selectively testing for CHIK this year. Chikungunya is similar in symptoms to Dengue, a “breakbone” fever and has a low mortality rate. But this virus has had recent worldwide activity, and in the past year has come to the Western Hemisphere. As with Dengue, transmission can occur when a mosquito bites an infected human, then bites an uninfected human who subsequently becomes ill. CHIK is an alphavirus with *Aedes* mosquitoes as potential vectors. In New Jersey, *Aedes albopictus* is the mosquito of interest. There are currently 61 imported human cases in New Jersey, no local transmission.

No pools have been detected positive for CHIK in 2014.

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		**13**	**118**		
	Aedes albopictus	13	118		
Burlington		**19**	**121**		
	Aedes albopictus	19	121		
Camden		**5**	**8**		
	Aedes albopictus	5	8		
Cape May		**13**	**84**		
	Aedes albopictus	13	84		
Cumberland		**2**	**5**		

	Aedes albopictus	2	5		
Gloucester		**40**	**393**		
	Aedes albopictus	40	393		
Hudson		**9**	**125**		
	Aedes albopictus	9	125		
Mercer		**32**	**392**		
	Aedes albopictus	32	392		
Middlesex		**34**	**269**		
	Aedes albopictus	34	269		
Monmouth		**48**	**770**		
	Aedes albopictus	48	770		
Morris		**1**	**7**		
	Aedes albopictus	1	7		
Passaic		**1**	**2**		
	Aedes albopictus	1	2		
Salem		**40**	**214**		
	Aedes albopictus	40	214		
Somerset		**1**	**1**		
	Aedes albopictus	1	1		
Grand Total		**258**	**2509**		