

VECTOR SURVEILLANCE IN NEW JERSEY

EEE, WNV, SLE, LAC, DENV and CHIK

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CDC WEEK 32: 16 August to 22 August, 2015

Data Downloaded 2:00 pm 24 August 2015



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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	0.50	0.20	9 (10)	7 (8)		
Green Bank (Burlington Co.)/23	Coastal	4.99	0.43	71 (81)	9 (10)	1	14.08
Corbin City (Atlantic Co.)/25	Coastal	1.38	1.00	178 (203)	10 (11)		
Dennisville (Cape May Co.)/50	Coastal	6.19	0.00	215	9		
Winslow (Camden Co.)/50	Inland	1.73	3.12	1251	31	3	2.40
Centerton (Salem Co.)/50	Inland	3.82	0.36	601	19		
Turkey Swamp (Monmouth Co.)/49	Inland	1.93	1.12	273 (329)	12 (14)		
Glassboro (Gloucester Co.)/50	Inland	0.68	0.54	184	12		

*Current week (in parentheses) results pending.

Remarks: A total of six positive mosquito pools for EEE have been detected in NJ, 4 at the traditional sites, 2 at county sites. First detection of EEE in a pool of *Culiseta melanura* was collected at the Winslow resting box site on the 27th of July.

Traditional Resting Box Sites: Four EEE positive *Cs. melanura* pools have been detected at the state resting box sites to date. The Winslow site has three positive pools and the Green Bank site has one. 2782 *Cs. melanura* from 110 pools have been tested for EEE with an additional 4 pools containing 92 *Cs. melanura* to be tested. MFIR for the traditional resting box sites is 1.43 with a statewide MFIR of 1.28 for *Cs. melanura* and a statewide MFIR of 0.71 for all species tested.

		Additional <i>Cs. melanura</i> trapped by counties *traps with positives indicated in BOLD .			
County	Trap types*	Pools	Mosquitoes	Positives	MFIR
Atlantic	CO ₂	13	146		
Burlington	CO₂	42	1680	2	1.19
Cape May	GR, RB	38	207		
Cumberland	CO ₂ , RB	10	83		
Middlesex	RB	6	40		
Ocean	CO ₂ , GR, RB	10	43		
Salem	CO ₂	1	1		
TOTAL		120	2200	2	0.91

Additional *Cs. melanura*: Counties maintain trap sites for *Cs. melanura* in other areas. Two additional positive pools from Burlington County, the first collected from a CO₂ trap on 3 August have been detected.

Species other than <i>Cs. melanura</i>	Pools	Mosquitoes	Positives	MFIR
<i>Aedes cantator</i>	23	36		
<i>Aedes sollicitans</i>	7	232		
<i>Anopheles bradleyi</i>	6	8		
<i>Anopheles crucians</i>	1	1		
<i>Anopheles punctipennis</i>	6	21		
<i>Anopheles quadrimaculatus</i>	2	51		
<i>Coquillettidia perturbans</i>	64	1372		
<i>Culex erraticus</i>	3	3		
<i>Culex pipiens</i>	146	1225		
<i>Culex restuans</i>	2	2		
<i>Culex salinarius</i>	31	474		
<i>Culex</i> sp.	14	36		
State Total	305	3461		

Additional Species: Eleven additional species were tested for EEE and no positives were detected.

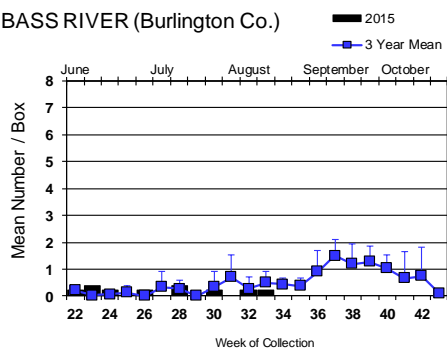
Horses and Humans: No horses or humans have been reported with EEE.

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

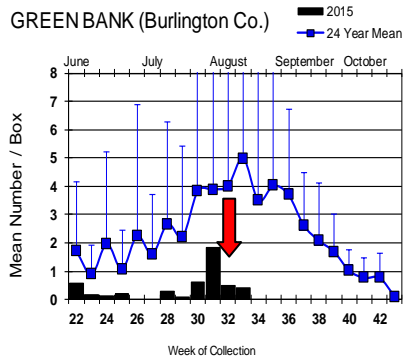
Culiseta melanura Population Graphs

Coastal

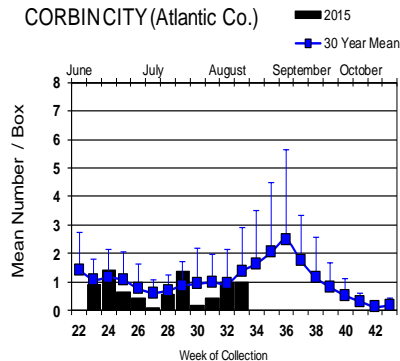
BASS RIVER (Burlington Co.)



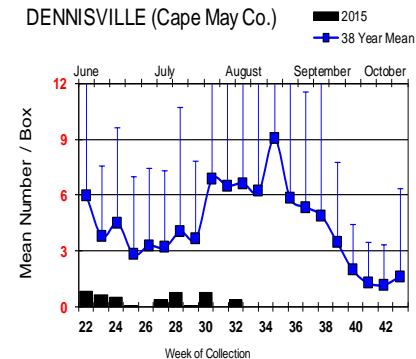
GREEN BANK (Burlington Co.)



CORBINCITY (Atlantic Co.)

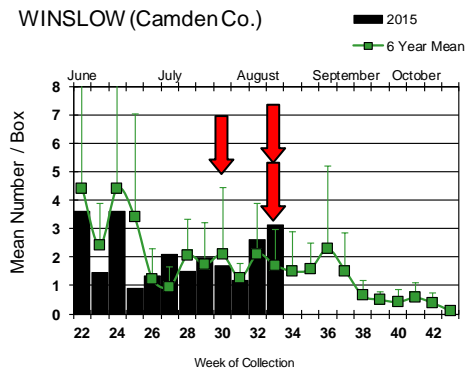


DENNISVILLE (Cape May Co.)

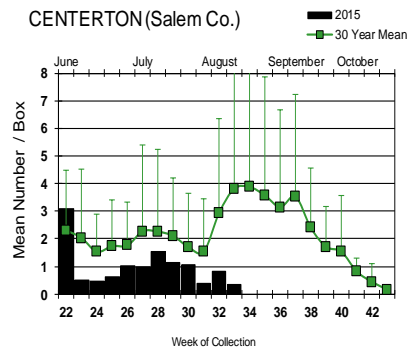


Inland

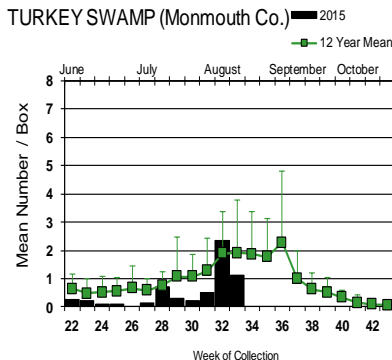
WINSLOW (Camden Co.)



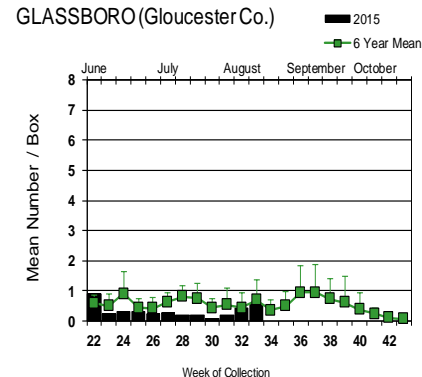
CENTERTON (Salem Co.)



TURKEY SWAMP (Monmouth Co.)



GLASSBORO (Gloucester Co.)



Populations of *Cs. melanura* at Winslow increased significantly above historical averages, and two additional positive pools were detected during this time. On the other hand at Green Bank, populations decreased from the previous week and one additional positive pool was detected. Positives have been detected for several years at the Green Bank (and other) site despite low population levels.

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

EEE in US (2015 cumulative cases): (Black or Red = previous + new reported cases occurring)

- equine: FL(18/1goat) LA(1) MS(2) NC(1) SC(3) TX(7) VA(1)
- mosquito pools: NJ (6) NY(13)
- sentinel: FL(59), TX(16)
- human: LA (1)

West Nile Virus Positive Organisms in US, 2015

West Nile in US (2015 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					1/3
Alaska					
Arizona	0	59		2	25
Arkansas				1	4/7
California	418/503	1577/1768	104/150	3	36/57
Colorado	6	48		4	5/8
Connecticut		36/64			0
Delaware	1/2				1
DC					1
Florida		6	40/60		4
Georgia	0	0		0	0
Hawaii					
Idaho	0	12		1	4
Illinois	13/23	494/713		2	1
Indiana	0	82/130			1
Iowa		1		0	1
Kansas		0			4/6
Kentucky				1	
Louisiana	10/19	303/365			13/20
Maine					
Maryland					2
Mass.		58/86		0	0
Michigan	10	3/6			
Minnesota	2	1			4
Mississippi		26/40		1	7/13
Missouri		98		2/4	1/2

	Birds	Mosquito Pools	Sentinels	Horses	Humans
Montana					1
Nebraska	0	62/70		0	12/14
Nevada		63			3
New Hampshire		0		0	0
New Jersey	7/13	201/370		0	2/3
New Mexico					2
New York		36			1
North Carolina					
North Dakota	0	4		1	4
Ohio		28/134			3/8
Oklahoma		2			12/15
Oregon	2/3	15/26	0	1	0
Pennsylvania	6/14	1057/1425			1/6
Rhode Island		1		0	0
South Carolina					1
South Dakota		1/7			9/10
Tennessee		117			1
Texas	4/6	643/798			9/17
Utah		31/53		2	
Vermont		6/12			
Virginia					
Washington	3	110/127		10/15	13/15
West Virginia					
Wisconsin	14/15	0		0	0
Wyoming					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 24 August 2015

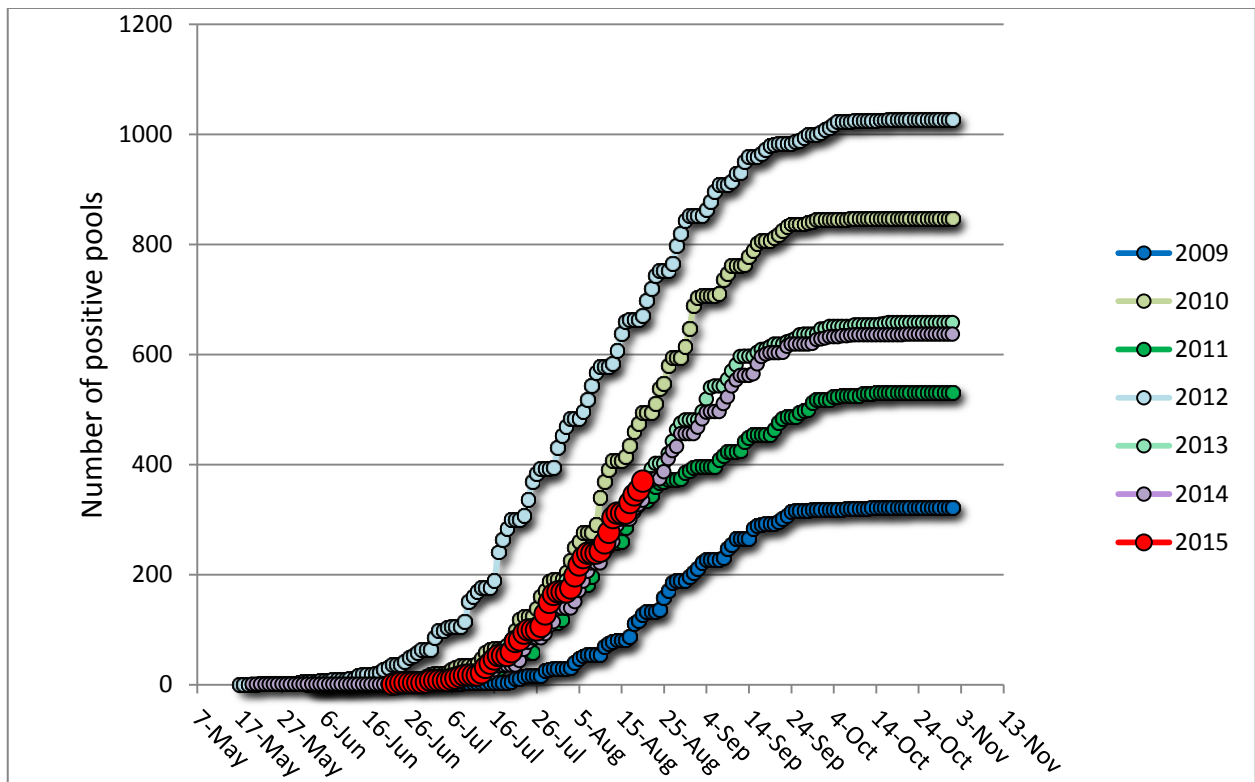
Species	Pools	Mosquitoes	Positives	MFIR
<i>Aedes albopictus</i>	504	3733	4	1.072
<i>Aedes atlanticus</i>	1	6		
<i>Aedes atropalpus</i>	1	1		
<i>Aedes canadensis canadensis</i>	18	236	1	4.237
<i>Aedes cantator</i>	29	206		
<i>Aedes grossbecki</i>	9	40		
<i>Aedes japonicus</i>	220	1315	1	0.760
<i>Aedes sollicitans</i>	7	232		
<i>Aedes sticticus</i>	1	1		
<i>Aedes taeniorhynchus</i>	3	35		
<i>Aedes triseriatus</i>	64	213	1	4.695
<i>Aedes trivittatus</i>	3	4		
<i>Aedes vexans</i>	44	832	1	1.202
<i>Anopheles bradleyi</i>	7	23		
<i>Anopheles crucians</i>	1	1		
<i>Anopheles punctipennis</i>	27	95		
<i>Anopheles quadrimaculatus</i>	41	596		
<i>Coquillettidia perturbans</i>	68	1450		
<i>Culex erraticus</i>	16	107		
<i>Culex pipiens</i>	327	10050	48	4.776
<i>Culex restuans</i>	228	1775	2	1.127
<i>Culex salinarius</i>	33	510		
<i>Culex</i> sp.	1662	67737	306	4.517
<i>Culex territans</i>	6	10		
<i>Culiseta melanura</i>	232	4988	6	1.203
<i>Psorophora ciliata</i>	3	20		
<i>Psorophora columbiae</i>	11	221		
<i>Psorophora ferox</i>	7	14		
Grand Total	3573	94451	370	3.917

Remarks: To date, 3573 pools of 94,451 mosquitoes from 27 species have been tested, with 370 positive pools detected, most in ornithophilic *Culex/Culiseta* pools (98%). Most recent non-*Culex* species to become positive were pools of *Aedes canadensis* (sampled 20 August in Union County), *Aedes triseriatus* (sampled 11 August in Salem County) and *Aedes vexans* (sampled 5 August in Cumberland County). First positive of the season occurred in Middlesex County, in a pool of mixed *Culex*, collected on the 22nd of June. First positive pool in non-*Culex* was in an *Aedes albopictus* pool, collected in Monmouth County on 10 July. First positive pool in a non-*Culex* ornithophilic species was found in *Culiseta melanura* in Cape May 21 July. Overall state MFIR is 3.917, up from the previous week of 1.942.

Humans, Horses and Wild Birds: Three human cases of WNV have been reported, one each in Bergen, Burlington and Camden counties. 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. Thirteen positive birds have been reported, mostly corvids. To date, 41 birds have been tested. Species includes: American Crow (*Corvus brachyrhynchos* 2/6) Fish Crow (*Corvus ossifragus* 1/10), Blue Jay (*Cyanocitta cristata* 1/3), unidentified corvid (2/3), Hawk/Raptor (1/2) and other avian species (2/15). Counties (positives) submitting birds are Atlantic, Bergen, Burlington, Cape May, Cumberland, Essex, Gloucester, Hunterdon, Mercer, Monmouth, Morris, Ocean, Salem and Warren.



The figure above shows that despite a flurry of recent activity, the trend for 2015 is still with moderate activity at the current time.

WNV Results by County through 24 August 2015

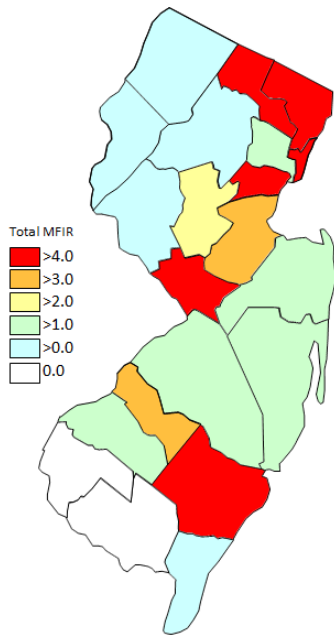
County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		124	3567		
	<i>Aedes albopictus</i>	19	194		
	<i>Aedes japonicus</i>	9	33		
	<i>Aedes taeniorhynchus</i>	1	5		
	<i>Aedes vexans</i>	6	238		
	<i>Coquillettidia perturbans</i>	17	552		
	<i>Culex</i> spp.	48	2220		
	<i>Culiseta melanura</i>	23	324		
	<i>Psorophora ferox</i>	1	1		
Bergen		84	4611	34	7.374
	<i>Aedes albopictus</i>	3	5	1	200.000
	<i>Aedes japonicus</i>	8	235		
	<i>Aedes triseriatus</i>	1	1		
	<i>Culex</i> spp.	72	4370	33	7.551
Burlington		126	3801	11	2.894
	<i>Aedes albopictus</i>	5	74	1	13.514
	<i>Aedes japonicus</i>	4	40		
	<i>Aedes sticticus</i>	1	1		
	<i>Aedes triseriatus</i>	1	2		
	<i>Aedes vexans</i>	2	14		
	<i>Anopheles punctipennis</i>	1	3		
	<i>Coquillettidia perturbans</i>	2	15		
	<i>Culex salinarius</i>	4	152		
	<i>Culex</i> spp.	48	1740	9	5.172
	<i>Culiseta melanura</i>	58	1760	1	0.568

Camden	204	7520	40	5.319
<i>Aedes albopictus</i>	11	23		
<i>Aedes canadensis canadensis</i>	3	15		
<i>Aedes cantator</i>	1	1		
<i>Aedes japonicus</i>	41	363	1	2.755
<i>Anopheles punctipennis</i>	2	6		
<i>Culex</i> spp.	112	5855	36	6.149
<i>Culiseta melanura</i>	32	1252	3	2.396
<i>Psorophora ferox</i>	2	5		
Cape May	653	3869	16	4.135
<i>Aedes albopictus</i>	35	57		
<i>Aedes atropalpus</i>	1	1		
<i>Aedes canadensis canadensis</i>	5	5		
<i>Aedes cantator</i>	23	36		
<i>Aedes japonicus</i>	70	168		
<i>Aedes sollicitans</i>	1	1		
<i>Aedes triseriatus</i>	32	70		
<i>Aedes vexans</i>	3	8		
<i>Anopheles bradleyi</i>	6	8		
<i>Anopheles punctipennis</i>	6	6		
<i>Anopheles quadrimaculatus</i>	33	539		
<i>Coquillettidia perturbans</i>	23	564		
<i>Culex erraticus</i>	3	3		
<i>Culex pipiens</i>	146	1225	13	10.612
<i>Culex restuans</i>	178	650	1	1.538
<i>Culex salinarius</i>	22	66		
<i>Culex</i> spp.	10	27		
<i>Culex territans</i>	6	10		
<i>Culiseta melanura</i>	47	422	2	4.739
<i>Psorophora columbiae</i>	1	1		
<i>Psorophora ferox</i>	2	2		
Cumberland	129	2193	3	1.368
<i>Aedes albopictus</i>	12	38		
<i>Aedes atlanticus</i>	1	6		
<i>Aedes canadensis canadensis</i>	2	53		
<i>Aedes cantator</i>	1	2		
<i>Aedes grossbecki</i>	9	40		
<i>Aedes japonicus</i>	3	11		
<i>Aedes sollicitans</i>	6	231		
<i>Aedes taeniorhynchus</i>	2	30		
<i>Aedes triseriatus</i>	3	7		
<i>Aedes trivitattus</i>	1	2		
<i>Aedes vexans</i>	17	480	1	2.083
<i>Anopheles bradleyi</i>	1	15		
<i>Anopheles punctipennis</i>	3	30		
<i>Anopheles quadrimaculatus</i>	3	23		
<i>Coquillettidia perturbans</i>	8	61		
<i>Culex restuans</i>	1	1		
<i>Culex salinarius</i>	5	256		
<i>Culex</i> spp.	30	615	2	3.252
<i>Culiseta melanura</i>	10	83		
<i>Psorophora ciliata</i>	3	20		
<i>Psorophora columbiae</i>	8	189		

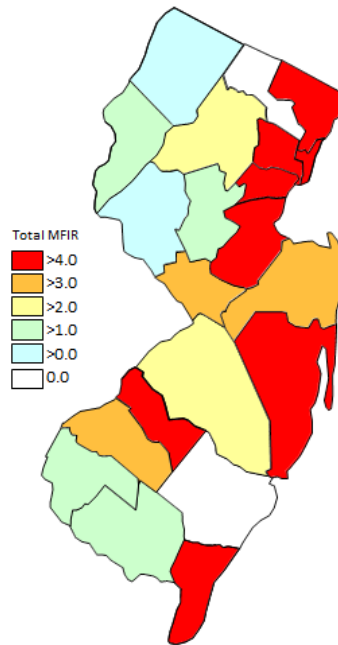
Essex	112	1955	8	4.092
<i>Aedes albopictus</i>	5	9		
<i>Aedes japonicus</i>	17	38		
<i>Aedes trivittatus</i>	1	1		
<i>Anopheles punctipennis</i>	1	2		
<i>Anopheles quadrimaculatus</i>	2	17		
<i>Culex</i> spp.	84	1882	8	4.251
<i>Psorophora ferox</i>	2	6		
Gloucester	250	8800	33	3.750
<i>Aedes albopictus</i>	90	679		
<i>Aedes japonicus</i>	4	35		
<i>Aedes triseriatus</i>	1	3		
<i>Coquillettidia perturbans</i>	1	2		
<i>Culex pipiens</i>	142	7897	33	4.179
<i>Culiseta melanura</i>	12	184		
Hudson	136	5959	41	6.880
<i>Aedes albopictus</i>	15	236		
<i>Culex</i> spp.	121	5723	41	7.164
Hunterdon	143	7150	5	0.699
<i>Culex</i> spp.	143	7150	5	0.699
Mercer	169	4685	16	3.415
<i>Aedes albopictus</i>	12	42		
<i>Aedes japonicus</i>	7	32		
<i>Aedes vexans</i>	13	87		
<i>Coquillettidia perturbans</i>	4	32		
<i>Culex pipiens</i>	38	927	2	2.157
<i>Culex restuans</i>	46	1121	1	0.892
<i>Culex</i> spp.	49	2444	13	5.319
Middlesex	225	8083	47	5.815
<i>Aedes albopictus</i>	68	166		
<i>Culex</i> spp.	151	7877	47	5.967
<i>Culiseta melanura</i>	6	40		
Monmouth	319	5637	18	3.193
<i>Aedes albopictus</i>	156	1488	1	0.672
<i>Aedes canadensis canadensis</i>	6	93		
<i>Aedes cantator</i>	4	167		
<i>Aedes japonicus</i>	3	10		
<i>Aedes trivittatus</i>	1	1		
<i>Aedes vexans</i>	1	2		
<i>Anopheles crucians</i>	1	1		
<i>Anopheles punctipennis</i>	9	25		
<i>Anopheles quadrimaculatus</i>	2	5		
<i>Coquillettidia perturbans</i>	1	1		
<i>Culex erraticus</i>	8	74		
<i>Culex restuans</i>	1	1		
<i>Culex salinarius</i>	2	36		
<i>Culex</i> spp.	108	3424	17	4.965
<i>Culiseta melanura</i>	14	278		

	<i>Psorophora columbiae</i>	2	31		
Morris		169	6684	14	2.095
	<i>Aedes albopictus</i>	19	276		
	<i>Culex</i> spp.	150	6408	14	2.185
Ocean		137	2205	10	4.535
	<i>Aedes albopictus</i>	39	313	1	3.195
	<i>Aedes canadensis canadensis</i>	1	3		
	<i>Aedes japonicus</i>	24	113		
	<i>Aedes triseriatus</i>	1	11		
	<i>Aedes vexans</i>	1	2		
	<i>Coquillettidia perturbans</i>	3	125		
	<i>Culex</i> spp.	58	1595	9	5.643
	<i>Culiseta melanura</i>	10	43		
Passaic		9	149		
	<i>Aedes japonicus</i>	2	5		
	<i>Aedes triseriatus</i>	2	3		
	<i>Aedes vexans</i>	1	1		
	<i>Culex</i> spp.	4	140		
Salem		101	1236	2	1.618
	<i>Aedes albopictus</i>	14	127		
	<i>Aedes japonicus</i>	10	20		
	<i>Aedes triseriatus</i>	11	16	1	62.500
	<i>Anopheles quadrimaculatus</i>	1	12		
	<i>Coquillettidia perturbans</i>	7	23		
	<i>Culex erraticus</i>	5	30		
	<i>Culex pipiens</i>	1	1		
	<i>Culex restuans</i>	2	2		
	<i>Culex</i> spp.	30	403	1	2.481
	<i>Culiseta melanura</i>	20	602		
Somerset		125	2115	3	1.418
	<i>Aedes albopictus</i>	1	6		
	<i>Aedes japonicus</i>	8	121		
	<i>Aedes triseriatus</i>	5	23		
	<i>Anopheles punctipennis</i>	1	4		
	<i>Coquillettidia perturbans</i>	1	29		
	<i>Culex</i> spp.	109	1932	3	1.553
Sussex		134	2828	1	0.354
	<i>Aedes japonicus</i>	10	91		
	<i>Aedes triseriatus</i>	7	77		
	<i>Anopheles punctipennis</i>	4	19		
	<i>Coquillettidia perturbans</i>	1	46		
	<i>Culex</i> spp.	112	2595	1	0.385
Union		106	7560	64	8.466
	<i>Aedes canadensis canadensis</i>	1	67	1	14.925
	<i>Culex</i> spp.	105	7493	63	8.408
Warren		118	3844	4	1.041
	<i>Culex</i> spp.	118	3844	4	1.041

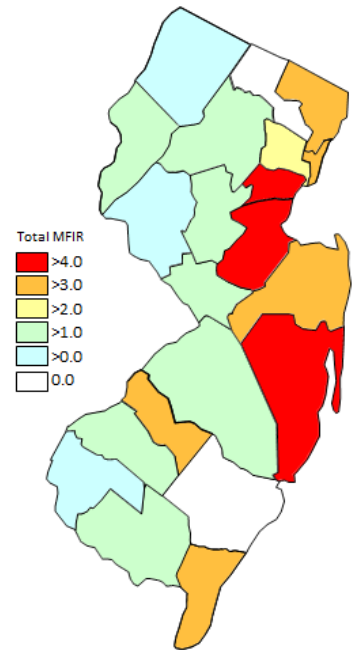
Grand Total		3573	94451	370	3.917
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Cumulative WNV activity in 2014.



WNV activity to 24 August 2015.



WNV activity last week, 2015.

Saint Louis Encephalitis (SLE) 2015.

New Jersey will be testing for SLE this year only when adjacent states show human activity (Cape May tests its own mosquitoes in the Cape May lab independently). 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.

County	Species	Pools	Mosquitoes	Positives	MFIR
Cape May		156	1246		
	<i>Culex pipiens</i>	145	1216		
	<i>Culex restuans</i>	1	3		
	<i>Culex</i> spp.	10	27		
Grand Total		156	1246		

La Crosse Encephalitis (LAC) 2015.

New Jersey will be testing for LAC this year only when adjacent states show human activity (Cape May tests its own mosquitoes in the Cape May lab independently). 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).

County	Species	Pools	Mosquitoes	Positives	MFIR
Cape May		32	70		

	<i>Aedes triseriatus</i>	32	70		
Grand Total		32	70		

Dengue (DENV) to 24 August 2015.

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 40 imported human cases in New Jersey, no local transmission.

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

No pools have tested positive in 2015. Currently, there are 21 imported human cases reported in New Jersey.

County	Species	DENV1		DENV2		DENV3		DENV4		Positives	MFIR
		Pool	Mos.	Pool	Mos.	Pool	Mos.	Pool	Mos.		
Atlantic		19	194	19	194	19	194	19	194		
		19	194	19	194	19	194	19	194		
Burlington		5	74	5	74	5	74	5	74		
		5	74	5	74	5	74	5	74		
Camden		10	21	10	21	10	21	10	21		
		10	21	10	21	10	21	10	21		
Cumberland		12	38	12	38	12	38	12	38		
		12	38	12	38	12	38	12	38		
Gloucester		90	679	90	679	90	679	90	679		
		90	679	90	679	90	679	90	679		
Hudson		15	236	15	236	15	236	15	236		
		15	236	15	236	15	236	15	236		
Mercer		12	42	12	42	12	42	12	42		
		12	42	12	42	12	42	12	42		
Middlesex		68	166	68	166	68	166	68	166		
		68	166	68	166	68	166	68	166		
Monmouth		148	1461	148	1461	148	1461	129	1350		
		148	1461	148	1461	148	1461	129	1350		
Morris		19	276	19	276	19	276	19	276		
		19	276	19	276	19	276	19	276		
Salem		14	127	14	127	14	127	14	127		

		14	127	14	127	14	127	14	127		
Grand Total		412	3314	412	3314	412	3314	393	3203		

Chikungunya (CHIK) to 24 August 2015.

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.

No pools have tested positive in 2015. Currently, there are 20 imported human cases reported in New Jersey.

County	Species	Pools	Mosquitoes	Positives	MFIR
Atlantic		19	194		
	<i>Aedes albopictus</i>	19	194		
Burlington		5	74		
	<i>Aedes albopictus</i>	5	74		
Camden		10	21		
	<i>Aedes albopictus</i>	10	21		
Cape May		35	57		
	<i>Aedes albopictus</i>	35	57		
Cumberland		12	38		
	<i>Aedes albopictus</i>	12	38		
Gloucester		90	679		
	<i>Aedes albopictus</i>	90	679		
Hudson		15	236		
	<i>Aedes albopictus</i>	15	236		
Mercer		12	42		
	<i>Aedes albopictus</i>	12	42		
Middlesex		68	166		
	<i>Aedes albopictus</i>	68	166		
Monmouth		148	1461		
	<i>Aedes albopictus</i>	148	1461		
Morris		19	276		
	<i>Aedes albopictus</i>	19	276		
Salem		14	127		
	<i>Aedes albopictus</i>	14	127		

Grand Total		447	3371		
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