

New Jersey Department of Health and Senior Services
Communicable Disease Service
Influenza Brief
Week Ending October 3, 2009 (MMWR Week 39)

Influenza activity level: **REGIONAL**

NOTE: Regional activity is primarily indicative of confirmatory laboratory results for novel influenza A H1N1 from 4 counties in the past 3 weeks.

New Jersey	% ILI week 39 (range county level)	% ILI week 39 last year	State Baseline*	% ILI previous week 38 same year
Long Term Care Facilities	0.78% (0.00-4.24%)	0.36%	0.69%	0.80%
Schools (absenteeism)	3.46% (1.92-5.77)	4.04%	5.17%	4.09%
Emergency Departments	3.33% (0.00-19.23%)	2.13%	2.60%	3.19%

Influenza Activity Level Public Health Regions

Region	Counties in Region	Activity Level
NW Region	Morris, Passaic, Sussex, Warren	SPORADIC
NE Region	Bergen, Essex, Hudson	REGIONAL
CW Region	Hunterdon, Mercer, Somerset	LOCAL
CE Region	Middlesex, Monmouth, Ocean, Union	NO ACTIVITY
South Region	Atlantic, Burlington, Camden, Cape May, Salem, Cumberland, Gloucester	LOCAL

Sentinel Provider Surveillance

During week 39, 3.37% of sentinel provider patient visits were due to ILI. These data reflect reports from eight (16%) of the enrolled sentinel providers.

During week 38, 3.65% of sentinel provider patient visits were due to ILI. These data reflect reports from thirteen (26%) of the enrolled sentinel providers.

* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

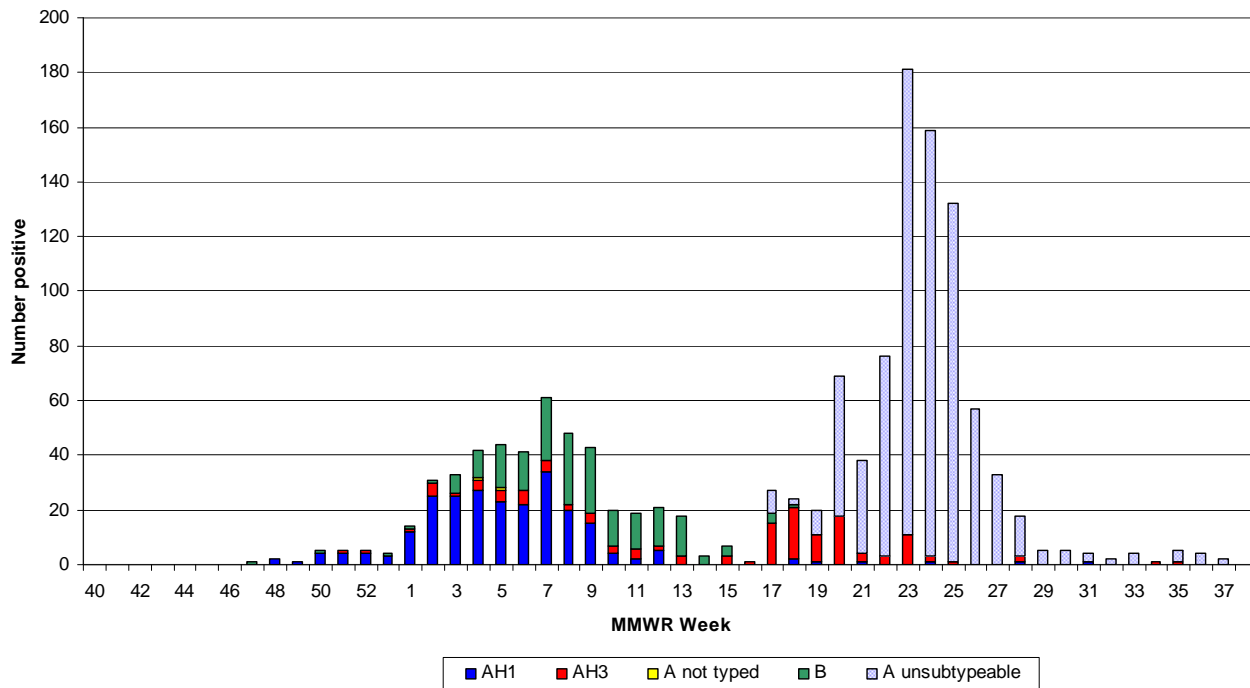
Laboratory

As of week 39, 566 samples were found to be positive by viral culture or PCR for influenza AH1, AH3 and influenza B. Please see graph on next page for weekly distribution. NOTE: Beginning week 37, numbers of specimens tested and total number positive by rapid influenza testing will be displayed by county at the end of this report.

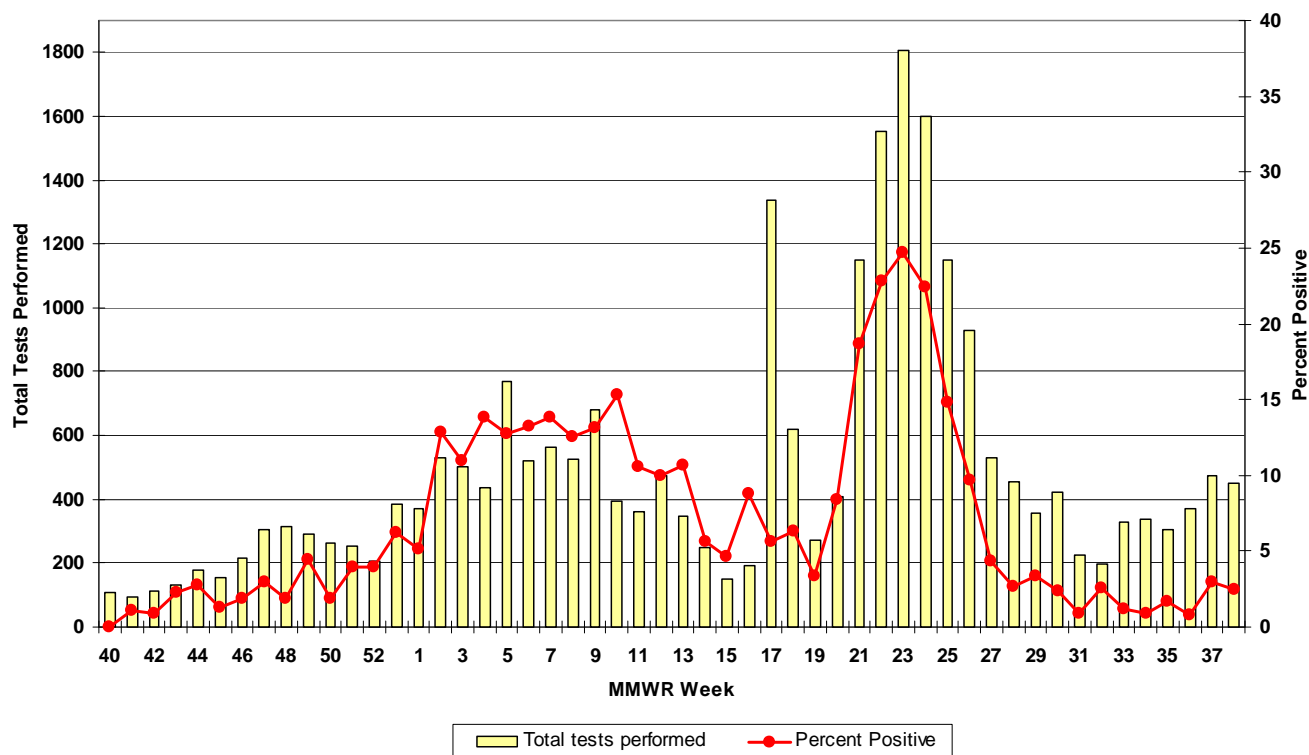
	Week 40 to Week 37				Weeks 36, 37, 38			
	Culture*				Culture*			
	A H1	A H3	A UNK	B	A H1	A H3	A UNK	B
Atlantic County	9	2	0	2	0	0	0	0
Bergen County	11	17	2	7	0	0	0	0
Burlington County	2	0	0	1	0	0	0	0
Camden County	1	0	0	1	0	0	0	0
Cape May County	14	1	0	5	0	0	0	0
Cumberland County	7	1	0	6	0	0	0	0
Essex County	28	20	0	18	0	0	0	0
Gloucester County	5	0	0	13	0	0	0	0
Hudson County	26	20	0	29	0	0	0	0
Hunterdon County	22	8	0	13	0	0	0	0
Mercer County	14	10	0	8	0	0	0	0
Middlesex County	25	16	0	18	0	0	0	0
Monmouth County	13	5	0	8	0	0	0	0
Morris County	18	6	0	16	0	0	0	0
Ocean County	1	5	0	3	0	0	0	0
Passaic County	4	4	0	7	0	0	0	0
Salem County	0	0	0	1	0	0	0	0
Somerset County	15	6	0	12	0	0	0	0
Sussex County	1	1	0	2	0	0	0	0
Union County	19	10	0	21	0	0	0	0
Warren County	3	1	0	1	0	0	0	0
Unknown	1	0	0	0	0	0	0	0
					0	0	0	0
State Total	239	133	2	192	0	0	0	0

* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

Influenza Laboratory Report
Positive Specimens by Week
2008-2009 Influenza Season
 *Culture results to week 15, PCR results week 15 to present

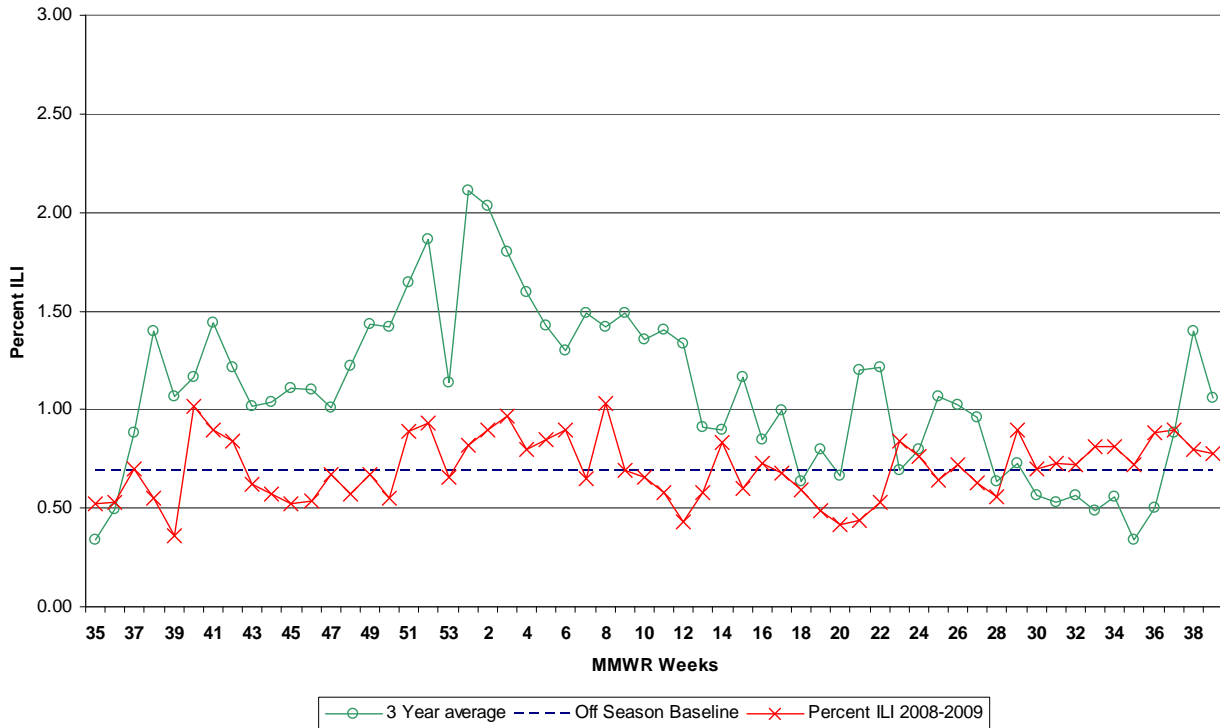


Influenza Rapid Antigen Tests
Total and Percent Positive
2008-2009 Influenza Season

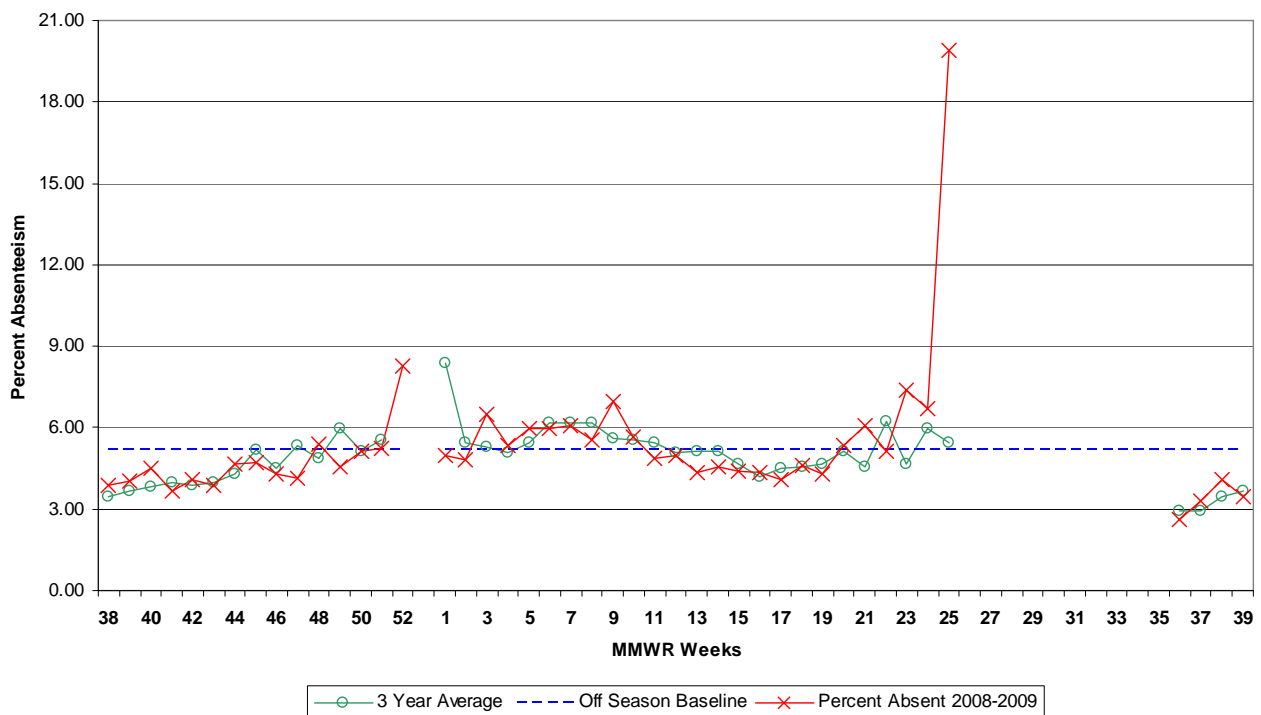


* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

**New Jersey Department of Health and Senior Services
Influenza-like Activity - Long Term Care Facilities**



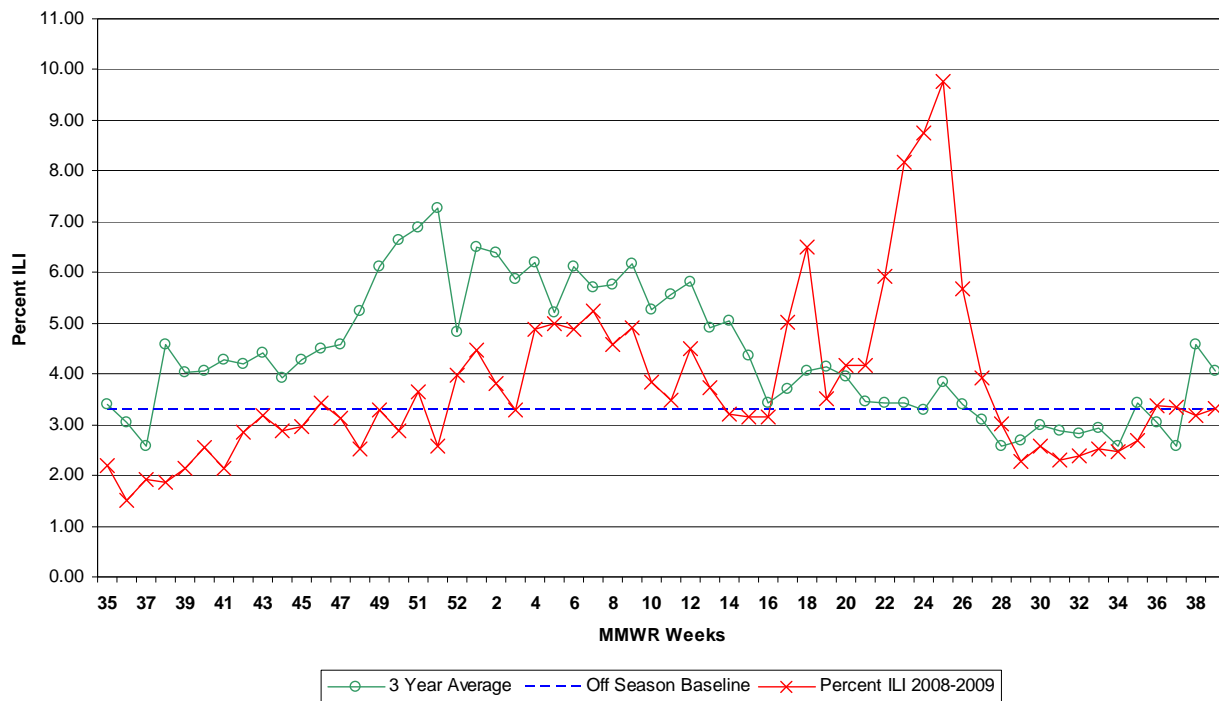
**New Jersey Department of Health and Senior Services
Influenza-like Activity - School Absenteeism**



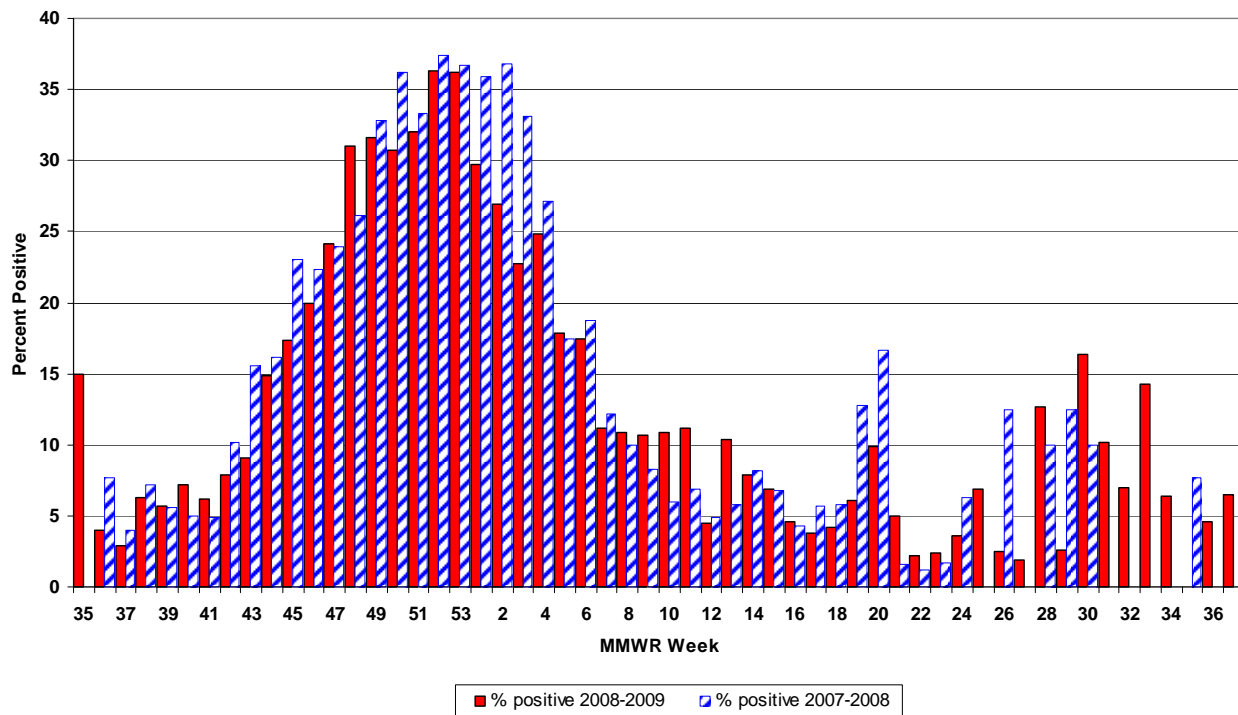
*Reports received from 5 counties.

* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

**New Jersey Department of Health and Senior Services
Influenza-like Activity - Emergency Departments**

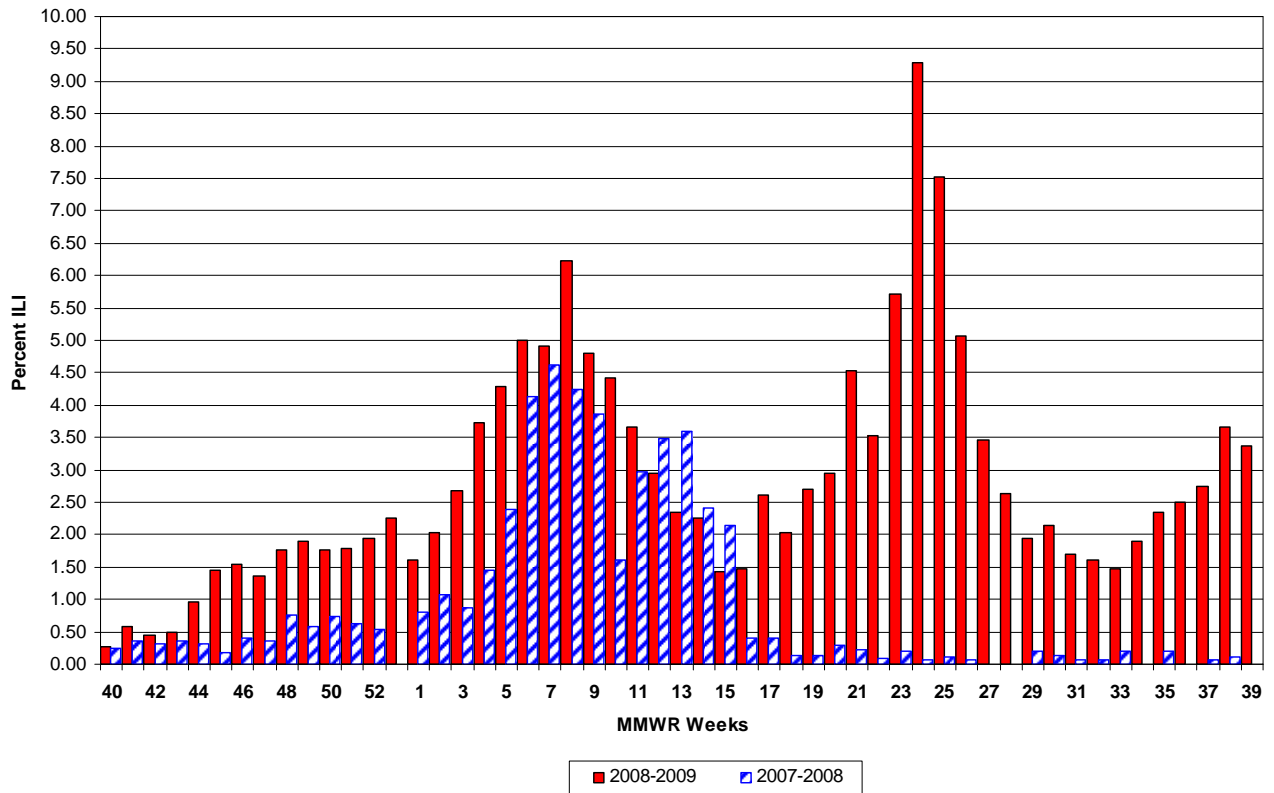


**New Jersey Department of Health and Senior Services
Respiratory Syncytial Virus (RSV) Surveillance by Week, 2006-2008**



* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

**New Jersey Department of Health and Senior Services
Influenza-like Activity - Sentinel Providers**



Influenza –associated Hospitalizations and Deaths

In MMWR week 39, 26 influenza-associated hospitalizations and no influenza associated deaths were reported.

NOTE: This data is not specific to novel influenza H1N1. Data collected is from all influenza associated illness/death. Hospitalization data is collected from a subset of hospitals throughout the state. Additional graphics will be included with the weekly influenza report beginning in MMWR week 40.

* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).



	Long Term Care			Schools			Hospital Emergency Department		
County	# Enrolled	# Reports Rec'd	% ILI	# Enrolled	# Reports Rec'd	% Absent	# Enrolled	# Reports Rec'd	% ILI
September, 29, 2009 12:00 AM	MMRW WEEK 39								
ATLANTIC	4	1	0.00	19	11	5.38	4	3	1.51
BERGEN	3	0	0.00	25	0	0.00	6	6	2.70
BURLINGTON	6	4	0.00	115	84	3.72	3	3	0.95
CAMDEN	7	0	0.00	17	0	0.00	7	1	4.27
CAPE MAY	6	4	0.94	11	7	3.46	1	1	10.62
CUMBERLAND	6	2	2.68	18	8	5.77	3	3	0.33
ESSEX	18	7	0.90	44	13	2.15	11	10	1.86
GLOUCESTER	5	1	0.00	4	0	0.00	2	2	1.57
HUDSON	10	1	4.24	94	59	4.10	6	3	3.19
HUNTERDON	4	3	0.73	45	39	2.45	1	1	1.43
MERCER	11	7	0.14	26	22	2.99	5	5	6.31
MIDDLESEX	2	0	0.00	100	17	2.71	5	5	3.38
MONMOUTH	14	2	0.00	24	8	3.82	5	5	2.55
MORRIS	2	0	0.00	13	12	1.92	4	2	19.23
OCEAN	6	1	0.00	42	32	3.90	4	3	6.23
PASSAIC	9	2	1.69	28	4	4.34	6	2	1.75
SALEM	4	2	0.66	5	2	3.09	1	1	0.00
SOMERSET	6	3	1.55	68	39	2.49	2	1	1.74
SUSSEX	5	5	0.24	22	22	3.95	2	2	5.17
UNION	4	0	0.00	130	45	3.12	5	4	3.26
UNKNOWN	0	0	0.00	1	0	0.00	0	0	0.00
WARREN	8	3	1.15	24	9	5.03	2	2	5.45
NW Region	24	10	0.62	87	47	3.68	14	8	6.31
NE Region	31	8	1.23	163	72	3.90	23	19	2.27
CW Region	21	13	0.66	139	100	2.62	8	7	5.00
CE Region	26	3	0.00	296	102	3.30	19	17	3.75
South Region	38	14	0.82	189	112	4.03	21	14	1.89
State Total	140	48	0.78	874	433	3.46	85	65	3.33



County	RSV Tests		Flu Tests		
	# Positive	Total Tests Performed	# Positive	Total Tests Performed	
September, 29, 2009 12:00 AM	MMRW WEEK 39				
ATLANTIC	0	2	0	0	
BERGEN	0	0	0	0	
BURLINGTON	0	6	1	52	
CAMDEN	0	0	0	0	
CAPE MAY	0	0	0	0	
CUMBERLAND	2	7	0	0	
ESSEX	0	21	5	127	
GLOUCESTER	0	3	0	0	
HUDSON	0	76	0	0	
HUNTERDON	0	2	0	24	
MERCER	0	14	0	0	
MIDDLESEX	0	0	0	0	
MONMOUTH	0	18	4	153	
MORRIS	0	0	1	20	
OCEAN	0	0	0	0	
PASSAIC	0	0	0	0	
SALEM	0	2	0	0	
SOMERSET	0	0	0	0	
SUSSEX	0	5	0	64	
UNION	0	13	0	9	
WARREN	0	0	0	0	
NW Region	0	5	1	84	
NE Region	0	97	5	127	
CW Region	0	16	0	24	
CE Region	0	31	4	162	
South Region	2	20	1	52	
State Total	2	169	11	449	