

New Jersey Department of Health and Senior Services
Communicable Disease Service
Influenza Brief
Week Ending September 26, 2009 (MMWR Week 38)

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 38 (range county level)	% ILI week 38 last year	State Baseline*	% ILI previous week 37 same year
Long Term Care Facilities	0.80% (0.00-2.82%)	0.73%	0.69%	0.90%
Schools (absenteeism)	4.09% (2.08-6.90)	3.49%	5.17%	3.31%
Emergency Departments	3.19% (0.00-10.90%)	2.13%	2.60%	3.36%

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 38, 04.15% of sentinel provider patient visits were due to ILI. These data reflect reports from nine (18%) of the enrolled sentinel providers.

During week 37, 2.75% of sentinel provider patient visits were due to ILI. These data reflect reports from eighteen (36%) 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).

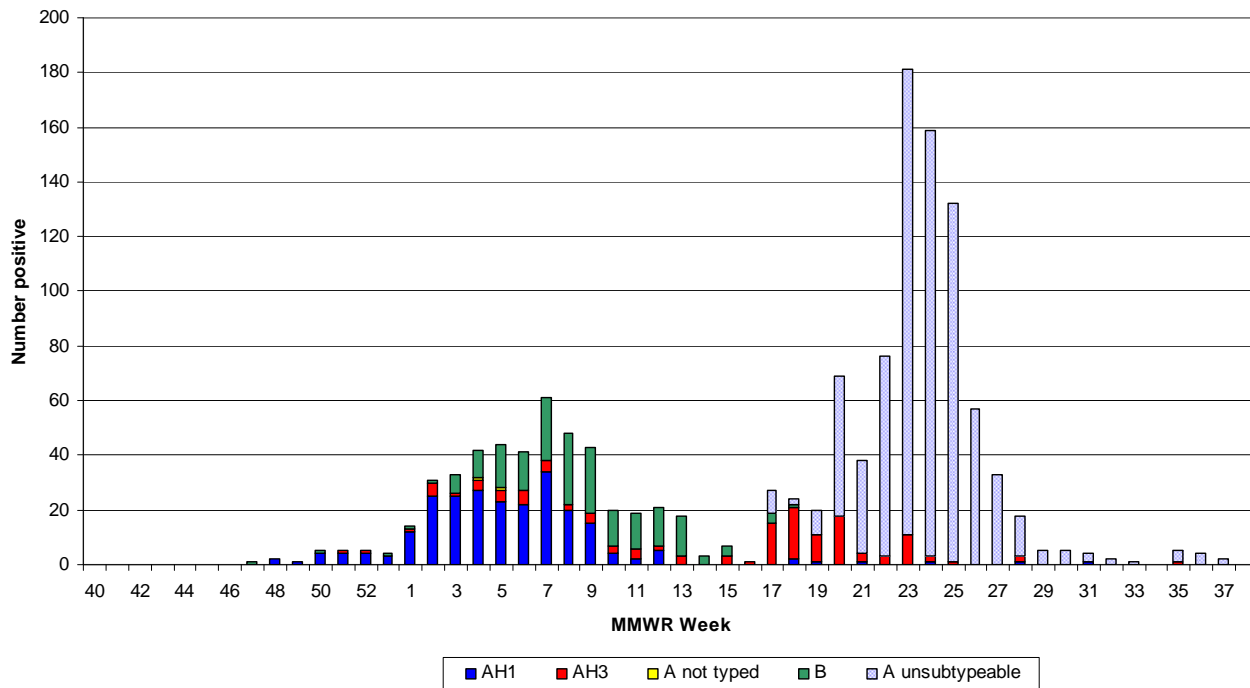
Laboratory

As of week 38, 565 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.

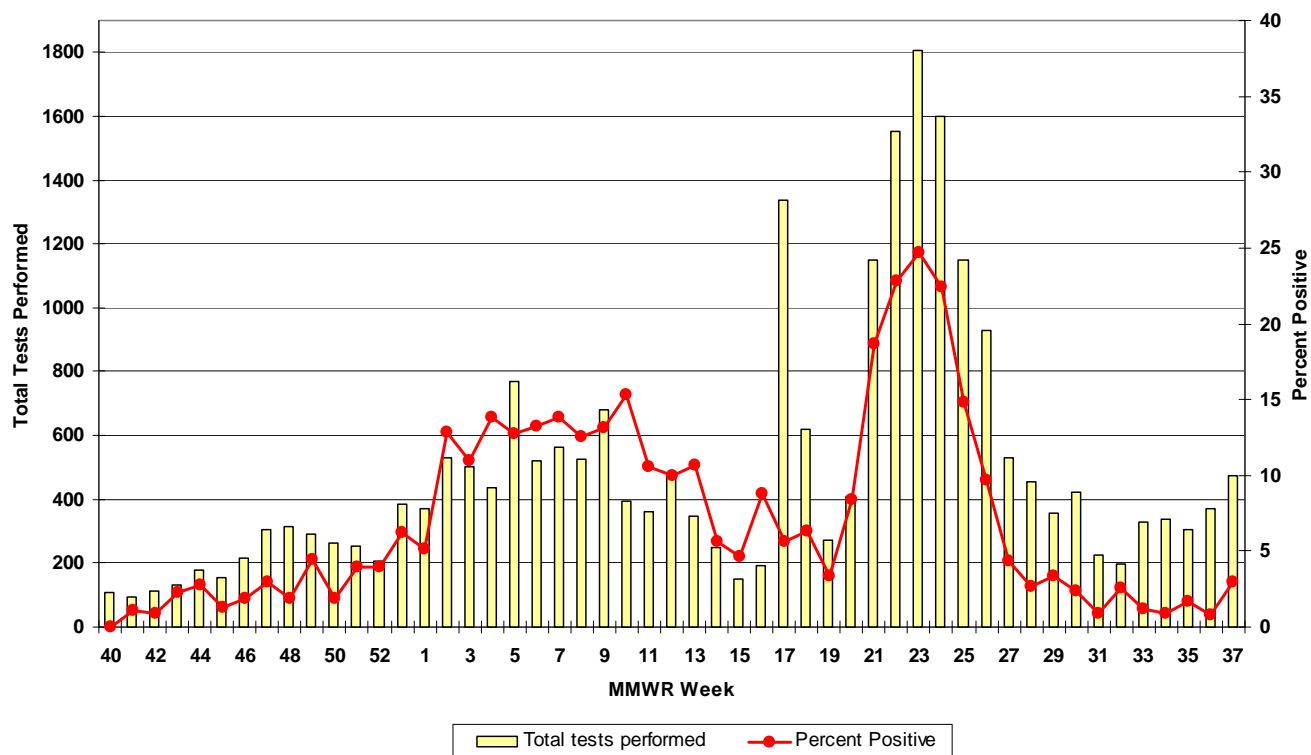
	Week 40 to Week 37				Weeks 36, 37, 38			
	Culture*				Culture*			
	A H1	A H3	A UNK	B	A H1	A H3	A UNK	B
Atlantic County	9	2	0	2	0	0	0	0
Bergen County	11	17	2	7	0	0	0	0
Burlington County	2	0	0	1	0	0	0	0
Camden County	1	0	0	1	0	0	0	0
Cape May County	14	1	0	5	0	0	0	0
Cumberland County	7	1	0	6	0	0	0	0
Essex 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	15	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
State Total	239	132	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

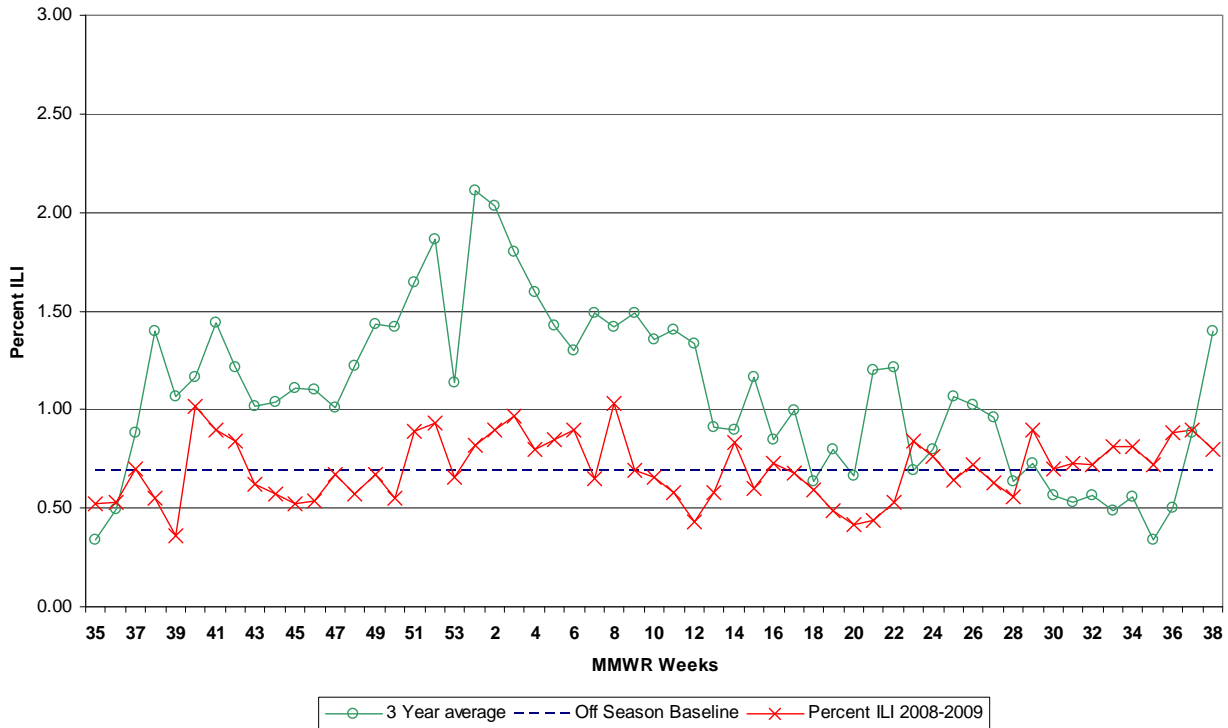


Influenza Rapid Antigen Tests
Total and Percent Positive
2008-2009 Influenza Season

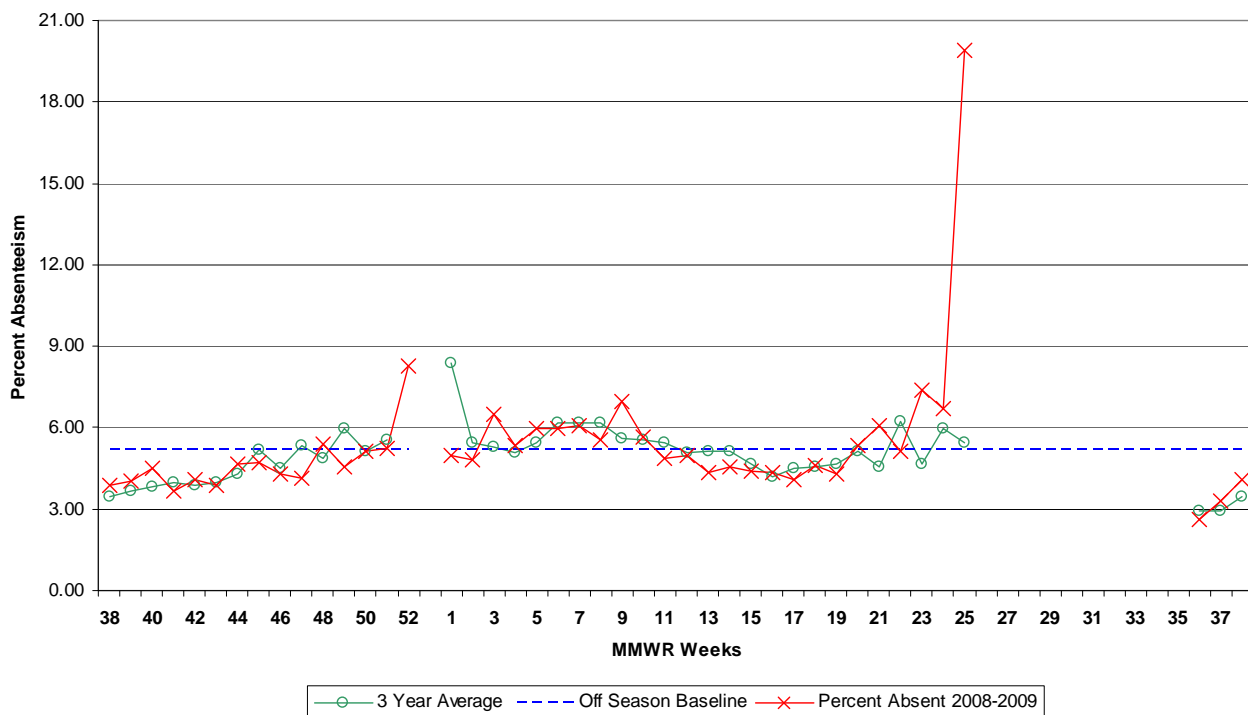


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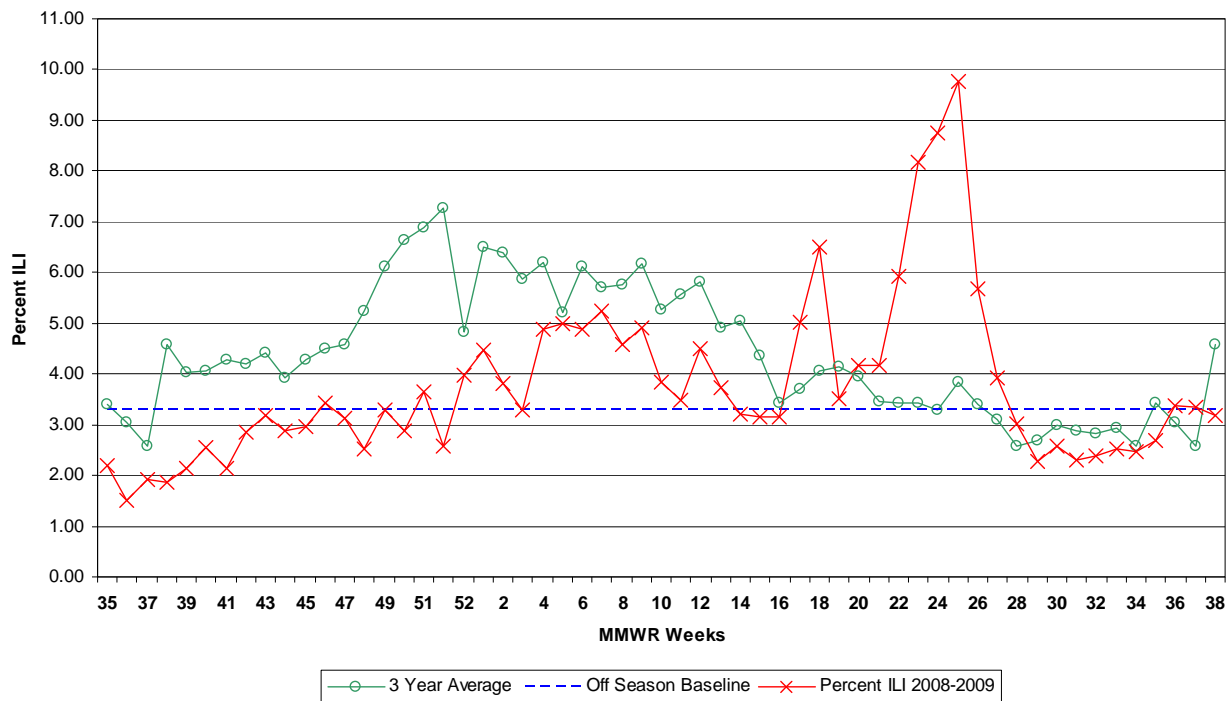
**New Jersey Department of Health and Senior Services
Influenza-like Activity - Long Term Care Facilities**



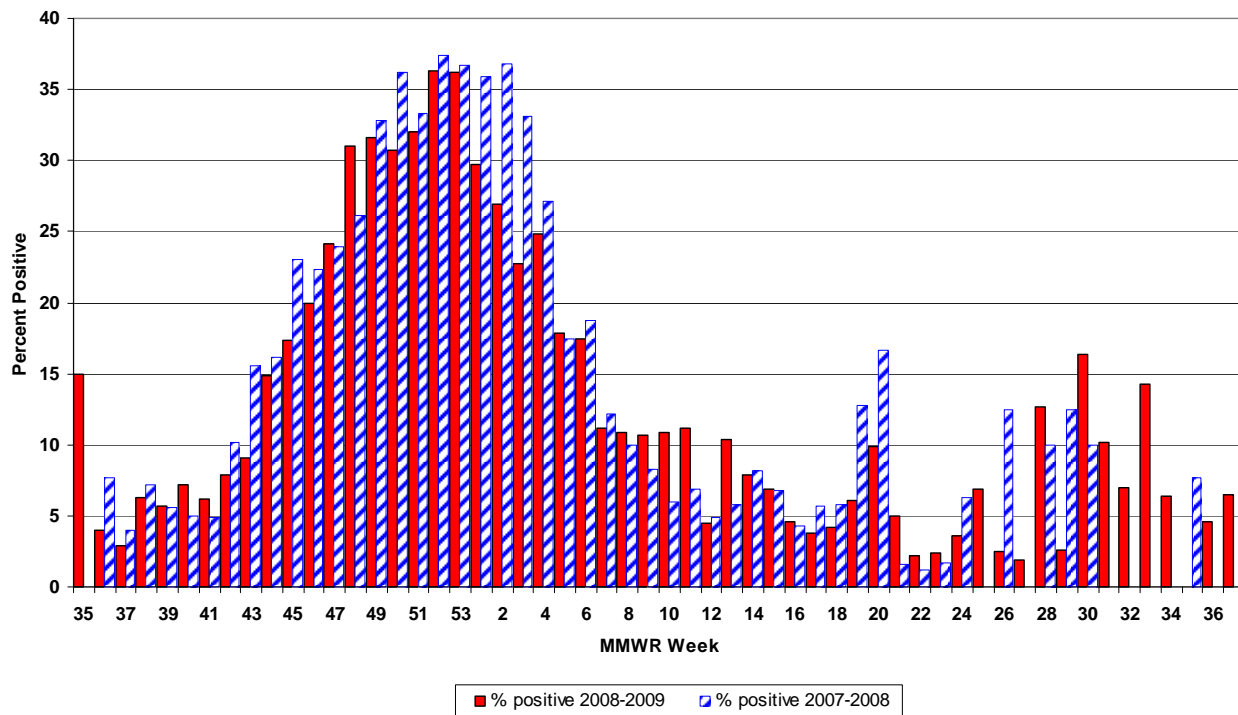
**New Jersey Department of Health and Senior Services
Influenza-like Activity - School Absenteeism**



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

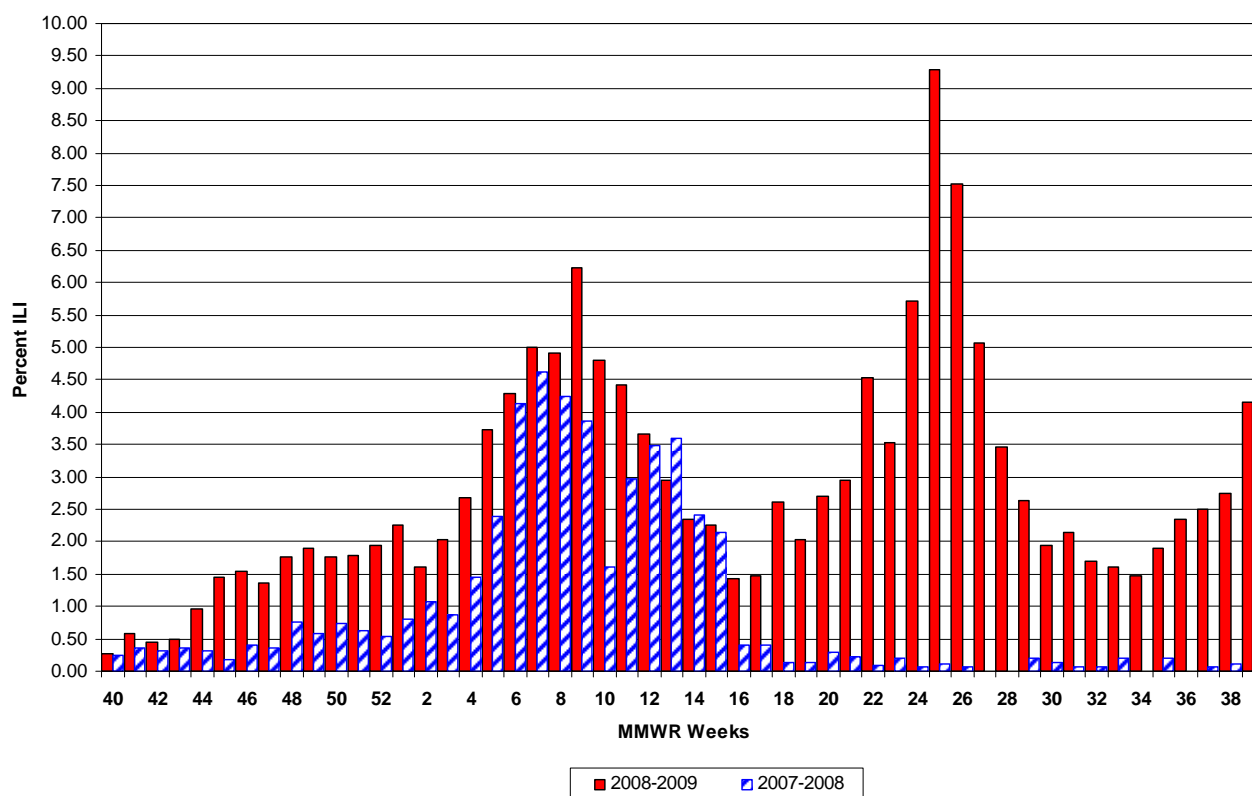


**New Jersey Department of Health and Senior Services
Respiratory Syncytial Virus (RSV) Surveillance by Week, 2006-2008**



* 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 38, 25 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, 22, 2009 12:00 AM	MMRW WEEK 38								
ATLANTIC	4	1	1.16	19	11	6.90	4	4	0.75
BERGEN	3	0	0.00	25	0	0.00	6	4	1.84
BURLINGTON	6	2	0.00	115	91	4.22	3	3	2.21
CAMDEN	7	0	0.00	17	0	0.00	7	6	0.65
CAPE MAY	6	2	0.00	11	4	5.07	1	1	7.69
CUMBERLAND	6	2	2.82	18	7	6.47	3	3	0.33
ESSEX	18	6	0.29	44	11	2.46	11	7	1.58
GLOUCESTER	5	1	0.00	4	0	0.00	2	2	3.88
HUDSON	10	2	2.13	94	55	4.89	6	5	3.51
HUNTERDON	4	4	0.23	31	29	2.77	1	1	1.15
MERCER	11	7	0.41	26	21	3.52	5	3	1.06
MIDDLESEX	2	0	0.00	100	17	3.39	5	5	4.16
MONMOUTH	14	5	0.33	24	10	3.86	5	4	5.98
MORRIS	2	0	0.00	13	13	2.08	4	4	10.90
OCEAN	6	1	0.00	32	11	2.97	4	4	7.58
PASSAIC	9	2	0.75	23	11	5.90	6	2	0.65
SALEM	4	1	0.00	5	1	3.10	1	1	0.00
SOMERSET	6	3	1.80	65	33	2.91	2	1	2.33
SUSSEX	5	5	1.29	22	22	4.94	2	2	7.32
UNION	4	2	0.00	130	38	3.52	5	5	2.23
UNKNOWN	0	0	0.00	1	0	0.00	0	0	0.00
WARREN	8	3	1.92	24	6	6.07	2	2	2.98
NW Region	24	10	1.31	82	52	4.76	14	10	5.56
NE Region	31	8	0.78	163	66	4.66	23	16	1.97
CW Region	21	14	0.70	122	83	3.05	8	5	1.41
CE Region	26	8	0.16	286	76	3.44	19	18	5.16
South Region	38	9	0.99	189	114	4.65	21	20	1.69
State Total	140	49	0.80	842	391	4.09	85	69	3.19

	RSV Tests		Flu Tests		
County	# Positive	Total Tests Performed	# Positive	Total Tests Performed	
September, 22, 2009 12:00 AM MMRW WEEK 38					
ATLANTIC	4	15	0	0	
BERGEN	0	5	1	43	
BURLINGTON	0	4	4	55	
CAMDEN	0	15	0	0	
CAPE MAY	0	0	2	35	
CUMBERLAND	1	14	0	0	
ESSEX	0	7	2	123	
GLOUCESTER	0	1	0	0	
HUDSON	1	5	1	26	
HUNTERDON	0	6	0	24	
MERCER	1	5	0	7	
MIDDLESEX	0	22	0	0	
MONMOUTH	0	0	0	13	
MORRIS	0	14	0	0	
OCEAN	0	1	0	0	
PASSAIC	3	21	0	36	
SALEM	0	0	0	0	
SOMERSET	0	1	2	13	
SUSSEX	0	2	2	42	
UNION	0	16	0	25	
WARREN	0	0	0	34	
NW Region	3	37	2	112	
NE Region	1	17	4	192	
CW Region	1	12	2	44	
CE Region	0	39	0	38	
South Region	5	49	6	90	
State Total	10	154	14	476	