

**New Jersey Department of Health and Senior Services**  
**Communicable Disease Service**  
**Influenza Brief**  
**Week Ending September 19, 2009 (MMWR Week 37)**

**Influenza activity level:** **REGIONAL**

NOTE: Regional activity is primarily indicative of confirmatory laboratory results for novel influenza A H1N1 and seasonal influenza AH3 from 7 counties in the past 3 weeks.

New Jersey	% ILI week 37 (range county level)	% ILI week 37 last year	State Baseline*	% ILI previous week 36 same year
Long Term Care Facilities	0.90% (0.00-3.28%)	0.70%	0.69%	0.88%
Schools (absenteeism)	3.31% (1.28-5.84)	4.14%	5.17%	2.60%
Emergency Departments	3.36% (0.59-24.00%)	1.93%	2.60%	3.38%

**Influenza Activity Level Public Health Regions**

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

**Sentinel Provider Surveillance**

During week 37, 2.69% of sentinel provider patient visits were due to ILI. These data reflect reports from eleven (25%) of the enrolled sentinel providers.

During week 36, 2.31% of sentinel provider patient visits were due to ILI. These data reflect reports from twenty (45%) 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).

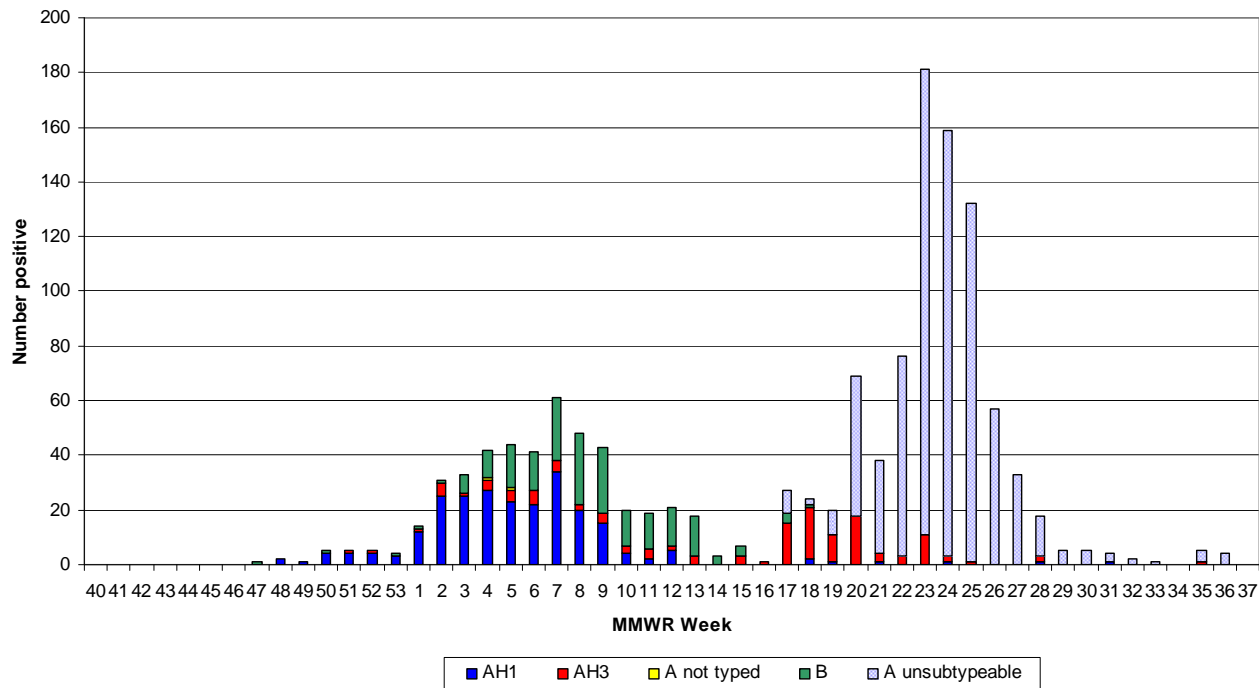
## **Laboratory**

As of week 37, 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.

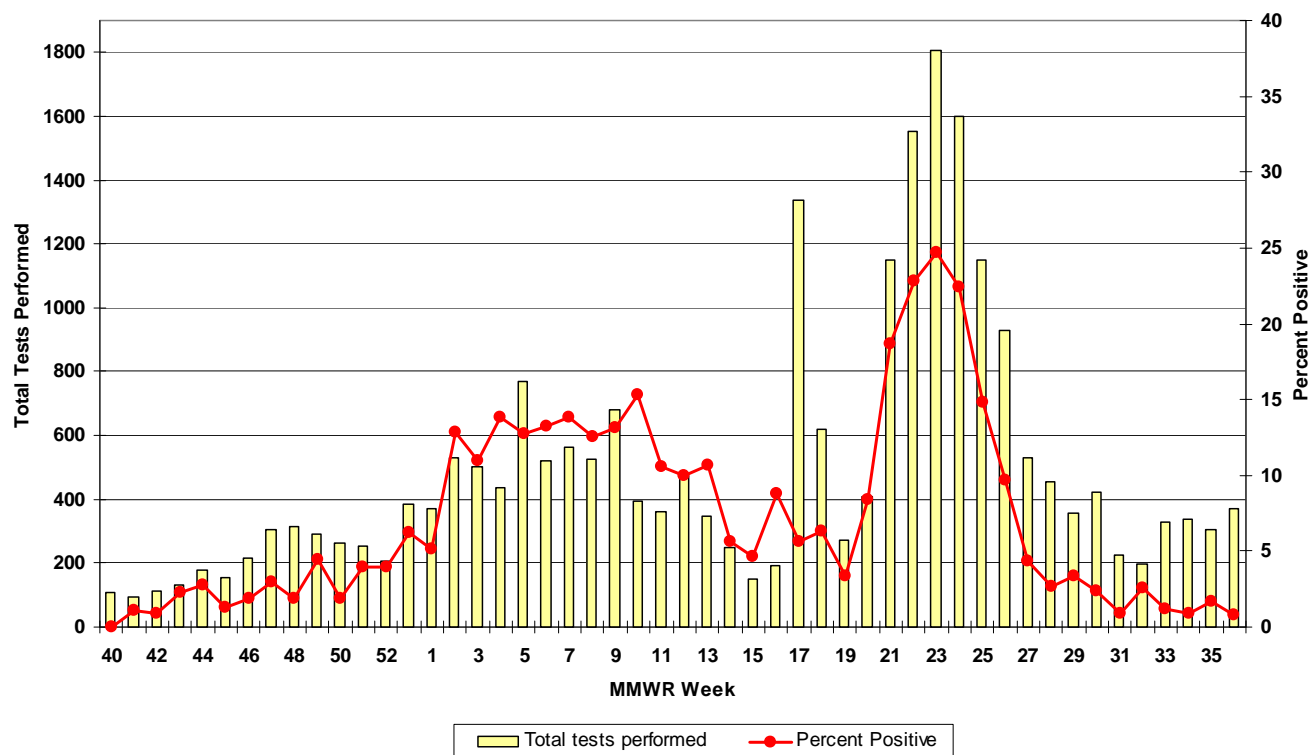
	Week 40 to Week 37				Week 35, 36, 37			
	Culture*				Culture*			
	A H1	A H3	A UNK	B	A H1	A H3	A UNK	B
<b>Atlantic County</b>	9	2	0	0	0	0	0	0
<b>Bergen County</b>	11	17	2	0	0	0	0	0
<b>Burlington County</b>	2	0	0	0	0	0	0	0
<b>Camden County</b>	1	0	0	0	0	0	0	0
<b>Cape May County</b>	14	1	0	0	0	0	0	0
<b>Cumberland County</b>	7	1	0	0	0	0	0	0
<b>Essex County</b>	28	20	0	0	0	0	0	0
<b>Gloucester County</b>	5	0	0	0	0	0	0	0
<b>Hudson County</b>	26	20	0	0	0	1	0	0
<b>Hunterdon County</b>	22	8	0	0	0	0	0	0
<b>Mercer County</b>	14	10	0	0	0	0	0	0
<b>Middlesex County</b>	25	15	0	0	0	0	0	0
<b>Monmouth County</b>	13	5	0	0	0	0	0	0
<b>Morris County</b>	18	6	0	0	0	0	0	0
<b>Ocean County</b>	1	5	0	0	0	0	0	0
<b>Passaic County</b>	4	4	0	0	0	0	0	0
<b>Salem County</b>	0	0	0	0	0	0	0	0
<b>Somerset County</b>	15	6	0	0	0	0	0	0
<b>Sussex County</b>	1	1	0	0	0	0	0	0
<b>Union County</b>	19	10	0	0	0	0	0	0
<b>Warren County</b>	3	1	0	0	0	0	0	0
<b>Unknown</b>	1	0	0	0	0	0	0	0
<b>State Total</b>	239	132	2	192	0	1	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

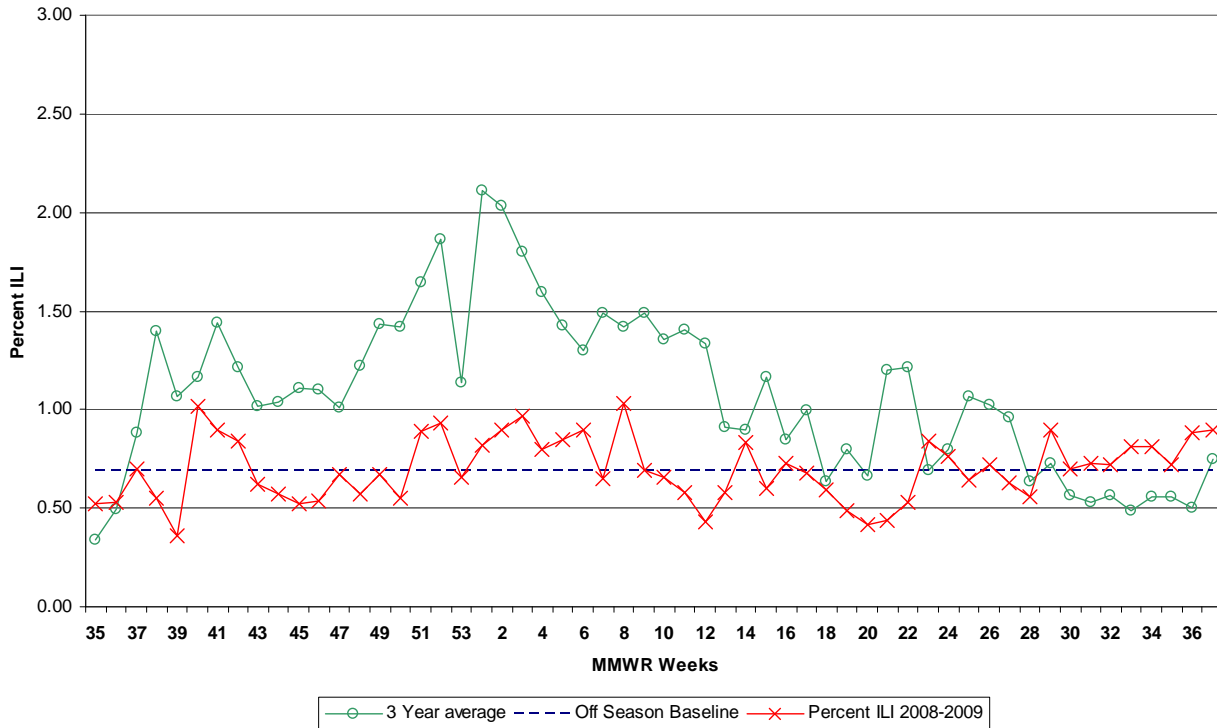


**Influenza Rapid Antigen Tests**  
**Total and Percent Positive**  
**2008-2009 Influenza Season**

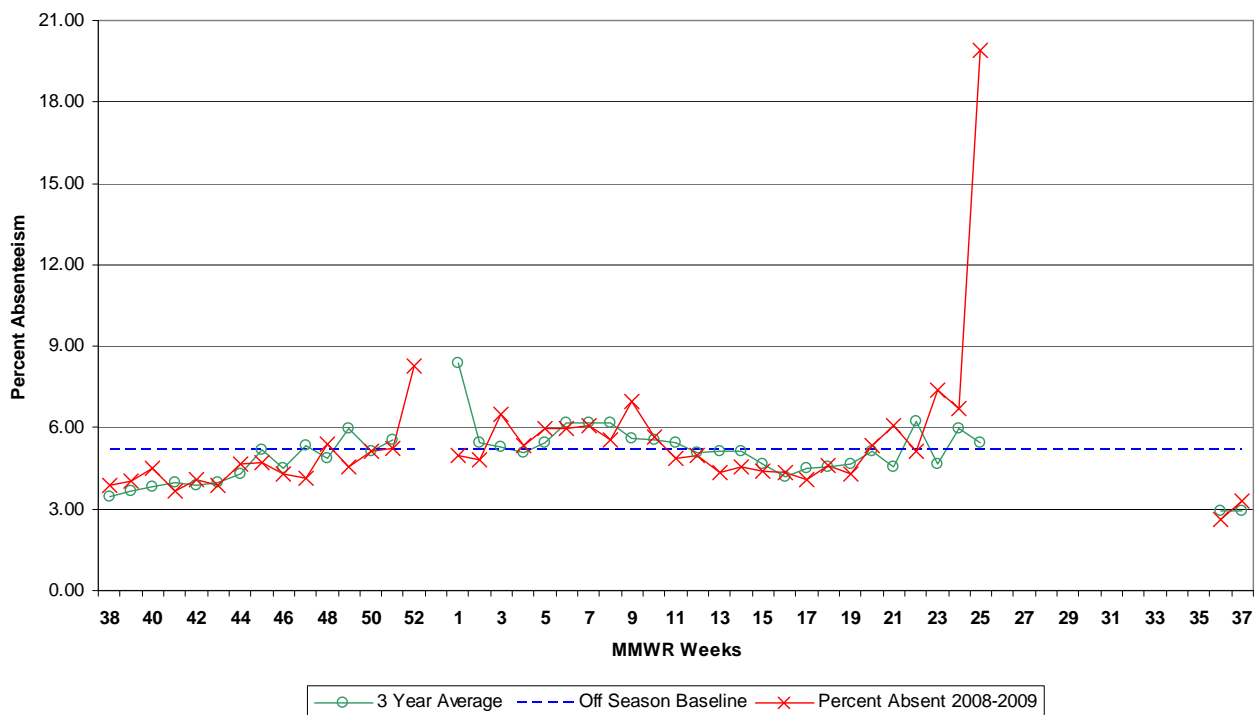


\* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

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



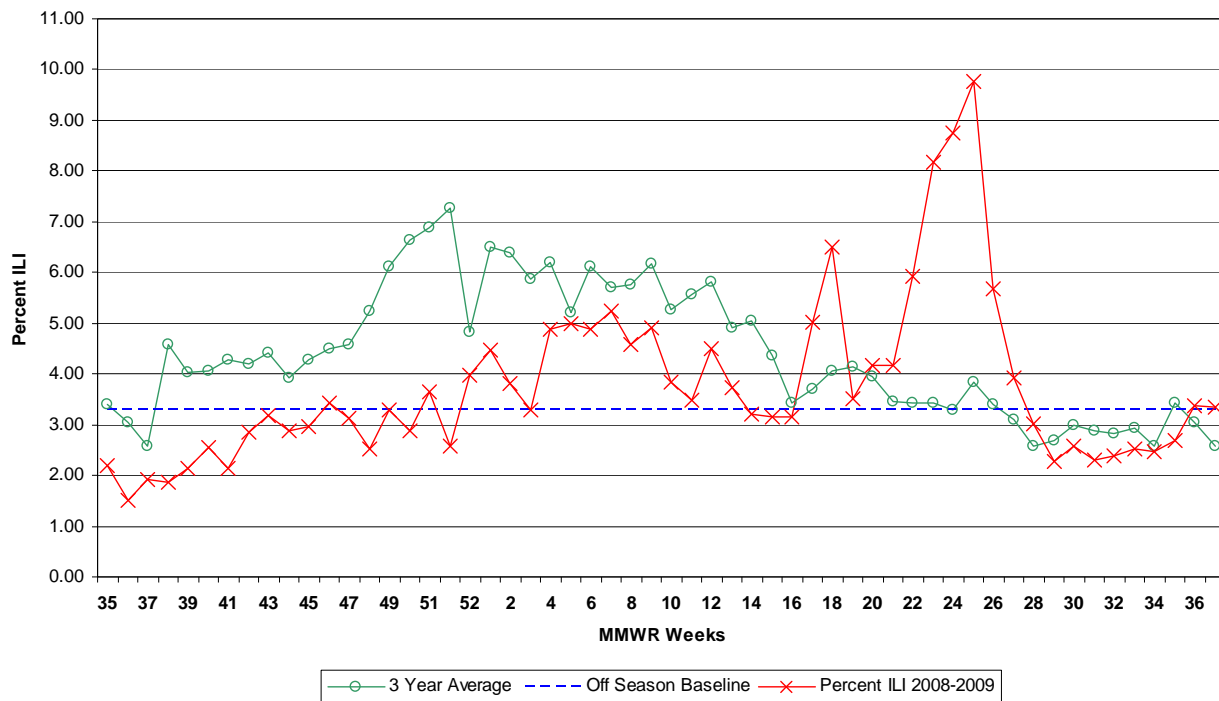
**New Jersey Department of Health and Senior Services  
Influenza-like Activity - School Absenteeism**



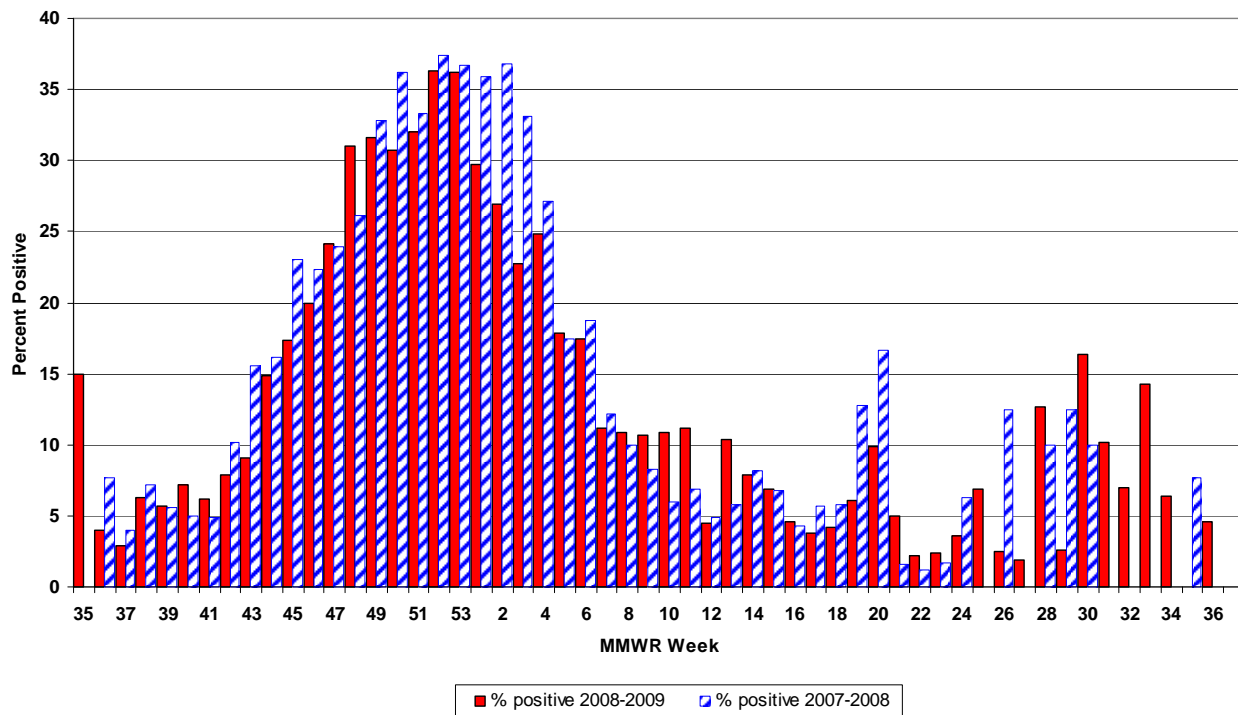
\*Reports received from 5 counties.

\* 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**

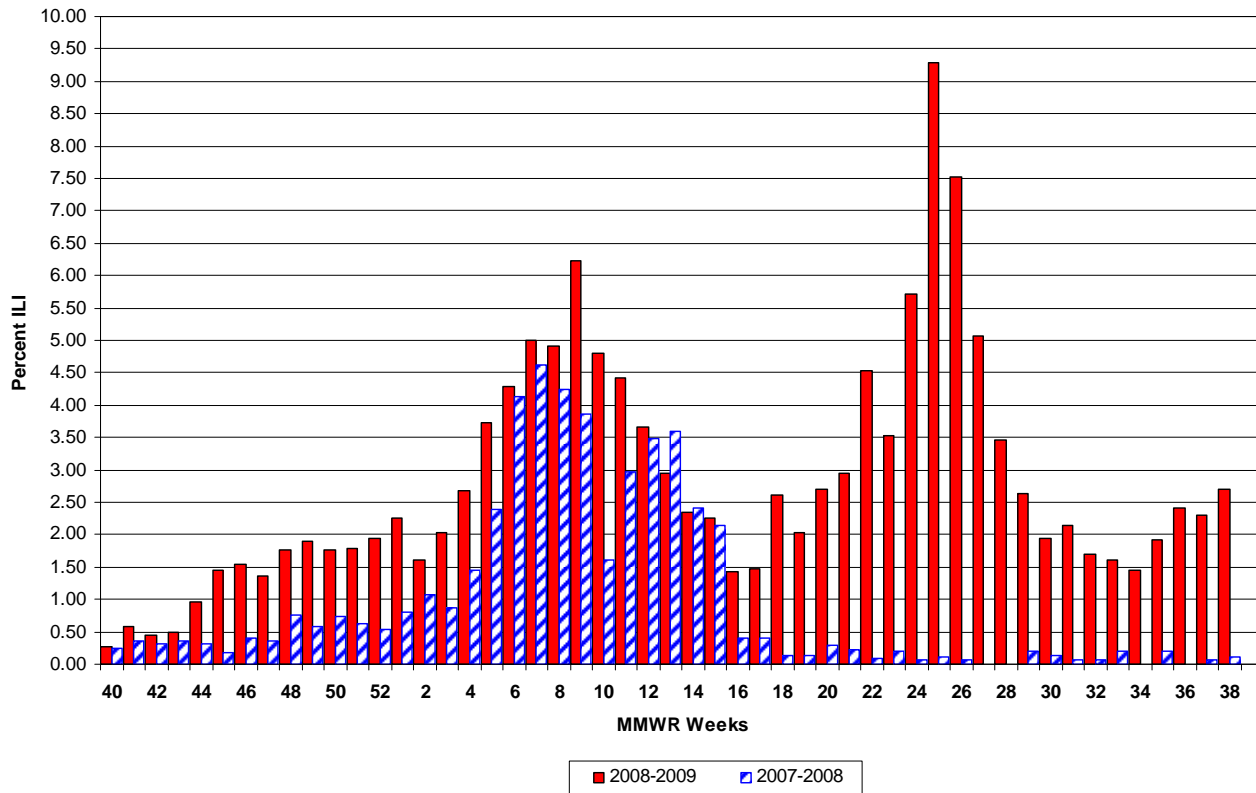


**New Jersey Department of Health and Senior Services  
Respiratory Syncytial Virus (RSV) Surveillance by Week, 2006-2008**



\* 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 37, 33 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
<b>September, 15, 2009 12:00 AM</b>	<b>MMRW WEEK 37</b>								
ATLANTIC	4	1	0.58	19	11	5.74	4	4	0.59
BERGEN	3	0	0.00	25	3	3.95	6	5	4.37
BURLINGTON	6	3	0.00	115	87	3.14	3	3	1.93
CAMDEN	7	0	0.00	17	0	0.00	7	7	1.46
CAPE MAY	6	1	0.00	11	4	5.58	1	1	7.69
CUMBERLAND	6	2	3.28	18	2	5.84	3	2	0.65
ESSEX	18	4	0.87	34	5	1.28	11	6	1.41
GLOUCESTER	5	1	0.00	4	0	0.00	2	2	4.47
HUDSON	10	1	1.53	94	51	4.55	6	5	4.69
HUNTERDON	4	3	0.00	8	8	1.51	1	1	1.30
MERCER	11	4	0.71	26	18	2.18	5	3	4.14
MIDDLESEX	2	0	0.00	89	10	2.64	5	5	5.04
MONMOUTH	14	5	0.94	24	6	2.80	5	5	3.64
MORRIS	2	0	0.00	13	0	0.00	4	4	7.35
OCEAN	6	1	0.00	20	9	2.97	4	3	5.86
PASSAIC	9	2	1.13	23	8	3.79	6	2	1.57
SALEM	4	1	0.00	5	0	0.00	1	0	0.00
SOMERSET	6	2	1.45	63	20	1.67	2	1	1.15
SUSSEX	5	4	1.16	22	21	3.91	2	1	24.00
UNION	4	1	0.00	130	27	2.21	5	5	3.12
UNKNOWN	0	0	0.00	1	0	0.00	0	0	0.00
WARREN	8	1	0.00	24	2	6.04	2	2	1.88
<b>NW Region</b>	24	7	1.03	82	31	4.04	14	9	4.60
<b>NE Region</b>	31	5	1.02	153	59	4.37	23	16	3.16
<b>CW Region</b>	21	9	0.58	97	46	1.83	8	5	3.06
<b>CE Region</b>	26	7	0.59	263	52	2.49	19	18	4.43
<b>South Region</b>	38	9	1.08	189	104	3.58	21	19	2.00
<b>State Total</b>	<b>140</b>	<b>37</b>	<b>0.90</b>	<b>784</b>	<b>292</b>	<b>3.31</b>	<b>85</b>	<b>67</b>	<b>3.36</b>

County	RSV Tests		Flu Tests		
	# Positive	Total Tests Performed	# Positive	Total Tests Performed	
September, 15, 2009 12:00 AM	MMRW WEEK 37				
ATLANTIC	1	13	0	0	
BERGEN	0	0	0	0	
BURLINGTON	0	1	0	36	
CAMDEN	0	24	0	0	
CAPE MAY	0	2	1	21	
CUMBERLAND	1	8	0	0	
ESSEX	0	7	0	78	
GLOUCESTER	0	0	0	0	
HUDSON	0	6	0	0	
HUNTERDON	0	3	0	20	
MERCER	0	2	0	0	
MIDDLESEX	0	30	0	0	
MONMOUTH	0	0	2	99	
MORRIS	0	0	0	30	
OCEAN	0	1	0	0	
PASSAIC	3	25	0	40	
SALEM	0	1	0	1	
SOMERSET	0	0	0	0	
SUSSEX	0	4	0	34	
UNION	1	4	0	10	
WARREN	0	0	0	0	
NW Region	3	29	0	104	
NE Region	0	13	0	78	
CW Region	0	5	0	20	
CE Region	1	35	2	109	
South Region	2	49	1	58	
State Total	6	131	3	369	