

**New Jersey Department of Health and Senior Services**  
**Communicable Disease Service**  
**Influenza Activity Summary**  
**Week Ending November 10, 2007 (MMWR Week 45)**

**Influenza activity level:**    **SPORADIC**

**NOTE: Two of three reporting parameter were above baseline for the state. Positive culture results were reported from the central east region in the past 3 weeks.**

No Activity- At least 2 of 3 parameters at or below state baseline **AND** no lab confirmed cases

Sporadic – At least 2 of 3 parameters above state baseline **AND** confirmed laboratory cases anywhere in the state within previous 3 weeks **OR** at least one laboratory confirmed outbreak in an institution anywhere in the state

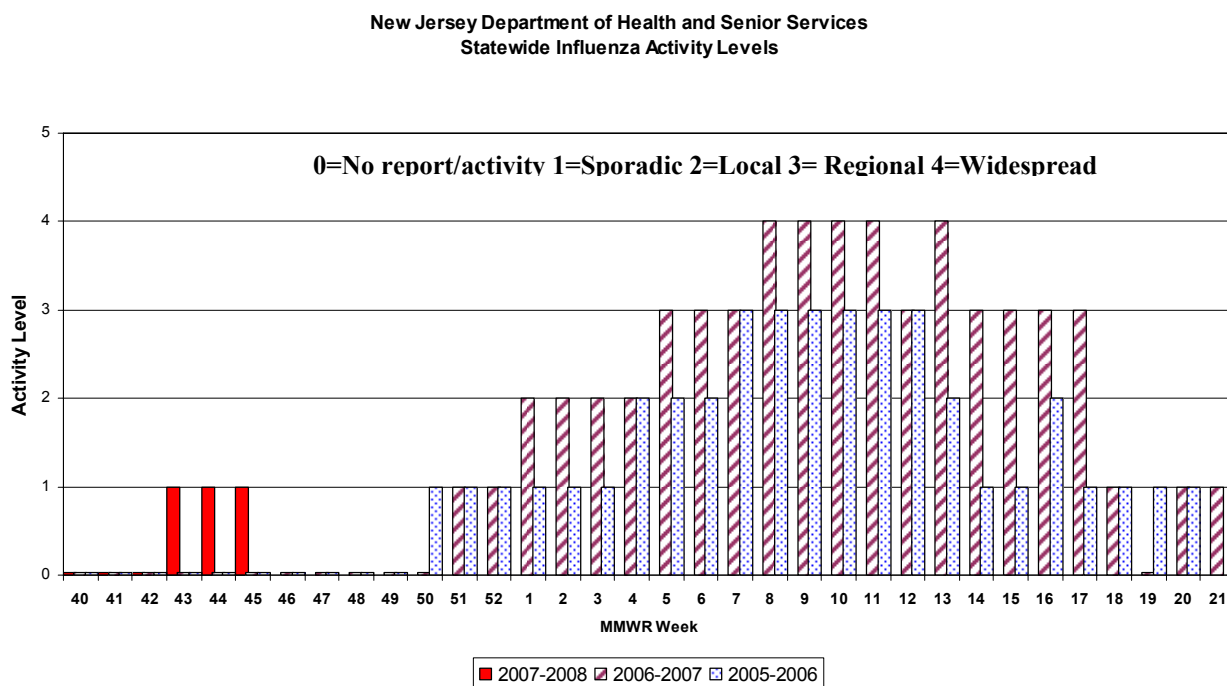
Local – At least 2 or 3 parameters above state baseline in a single county **AND** confirmed laboratory cases from that same county within the previous 3 weeks (other counties may be above baseline without lab confirmed cases) **OR** confirmed outbreaks in 2 or more institutions in a single county

Regional – At least 2 of 3 parameters above state baseline in  $\geq 2$  but  $\leq 10$  counties **AND** laboratory confirmed cases from these same counties in past 3 weeks **OR** confirmed outbreaks institutions in  $\geq 2$  but  $\leq 10$  counties

Widespread – At least 2 of 3 parameters above state baseline in  $> 10$  counties **OR** institutional outbreaks in  $> 10$  counties **AND** lab confirmed influenza cases in previous 3 weeks.

Parameter = School, emergency department, or long term care weekly surveillance data

Baseline is calculated by taking the average of statewide percentages of ILI for a 4 year (2004, 2005, 2006, 2007) period during months when influenza is less likely to be circulating (May-August). Weeks in which less than 4 counties reported were not included in the calculation.



## **Regional Data**

### **SPORADIC ACTIVITY – CE**

### **NO ACTIVITY- NW, NE,CW, South**

**NOTE:** No culture confirmed influenza cases were received from any counties. However, CE region has had positive cultures in past 3 weeks.

#### Public Health Regions

NW Region (Morris, Passaic, Sussex, Warren)

NE Region (Bergen, Essex, Hudson)

CW Region (Hunterdon, Mercer, Somerset)

CE Region (Middlesex, Monmouth, Ocean, Union)

South Region (Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Salem)

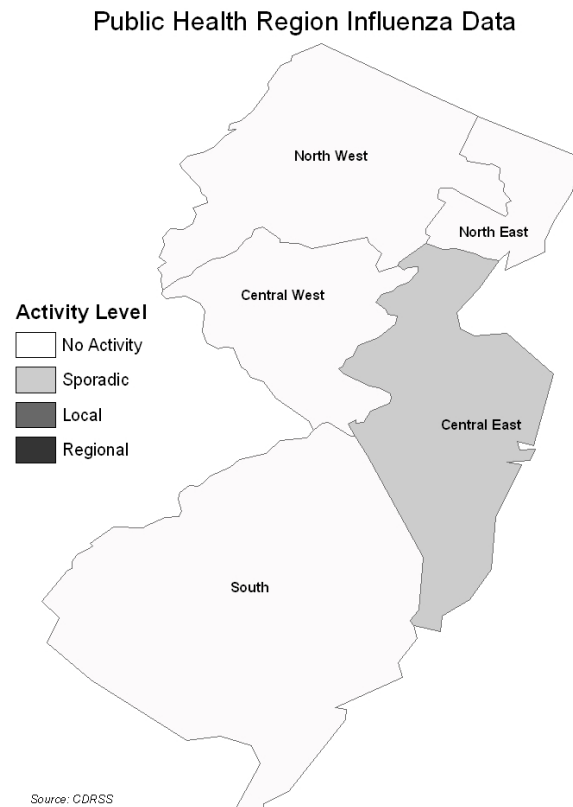
No Activity- At least 2 of 3 parameters at or below state baseline **AND** no lab confirmed cases in the public health region

Sporadic – At least 2 of 3 parameters above state baseline **AND** confirmed laboratory cases anywhere in the public health region **OR** at least one laboratory confirmed outbreak in an institution anywhere in the public health region

Local – At least 2 or 3 parameters above state baseline in a single county of a public health region **AND** confirmed laboratory cases from that same county within the previous 3 weeks (other counties may be above baseline without lab confirmed cases) **OR** confirmed outbreaks in 2 or more institutions in a single county of a public health region

Regional – At least 2 of 3 parameters above state baseline in at least half of counties of public health region **AND** laboratory confirmed cases from these same counties in past 3 weeks **OR** confirmed outbreaks institutions in at least half of counties of public health region counties

Widespread – Not used for public health region data



## **Laboratory Surveillance**

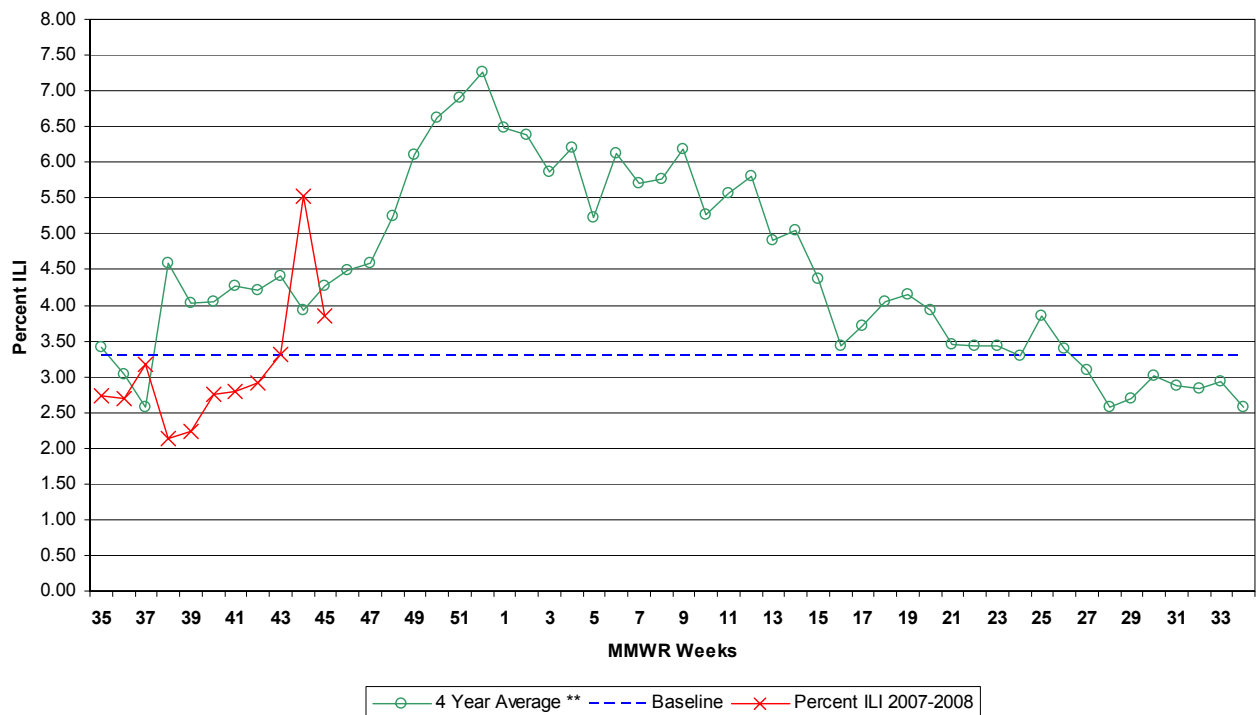
In week 45, no positive culture or positive rapid results reported. In week 44, one specimen from Middlesex county has been found to be positive by culture for influenza B. Positive results from influenza rapid antigen tests have also been reported from Essex county for week 44.

## **Influenza-like Illness (ILI) Surveillance\***

### **Emergency Departments**

During week 45, 3.85% ILI was reported statewide from emergency departments. This is a decrease over the previous week (5.53%). The percent ILI for each county ranged from 0.00 to 12.41%. The percent ILI for this same week last year was 3.46% in emergency departments. The percent ILI for the northwest (3.86%) and central east (5.82%) public health regions were above state baseline (3.30%).

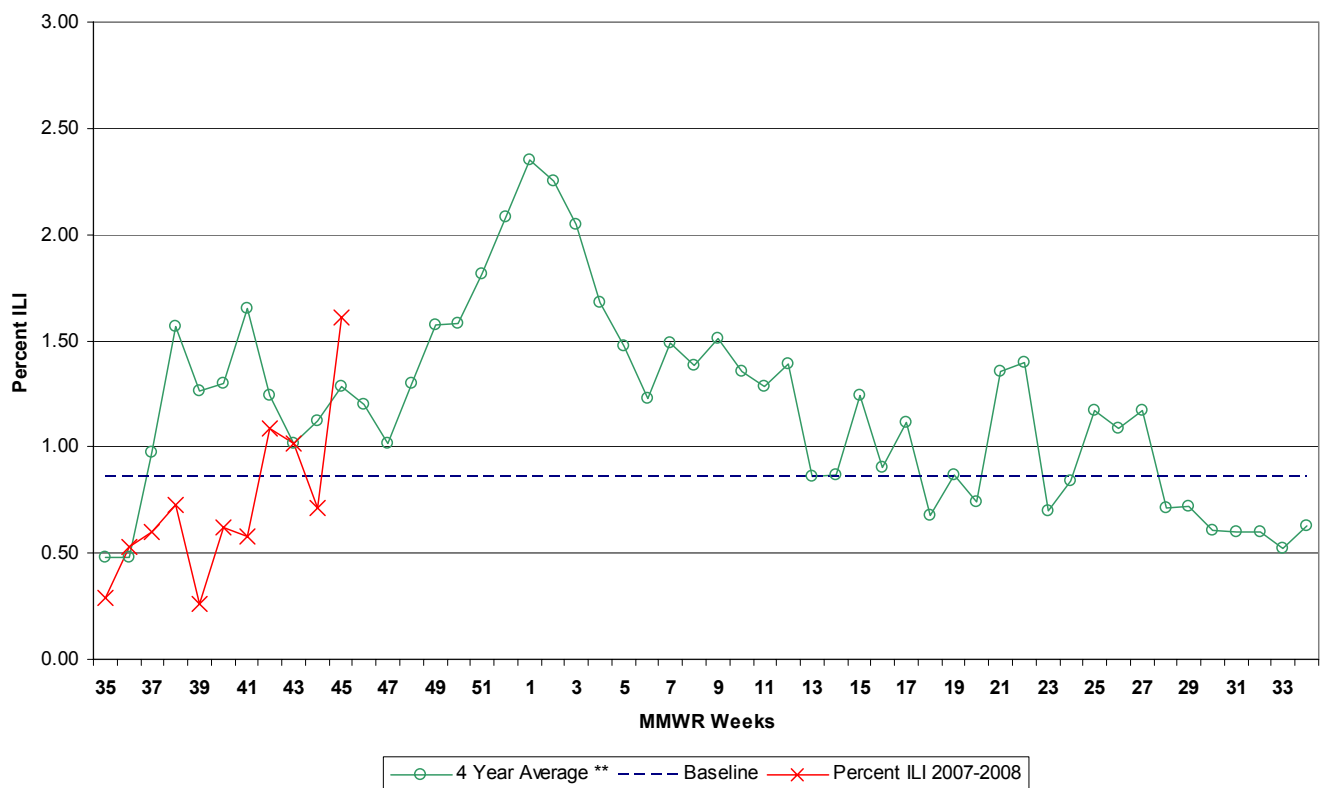
**New Jersey Department of Health and Senior Services  
Influenza-like Activity - Emergency Departments**



## Long-term Care Facilities

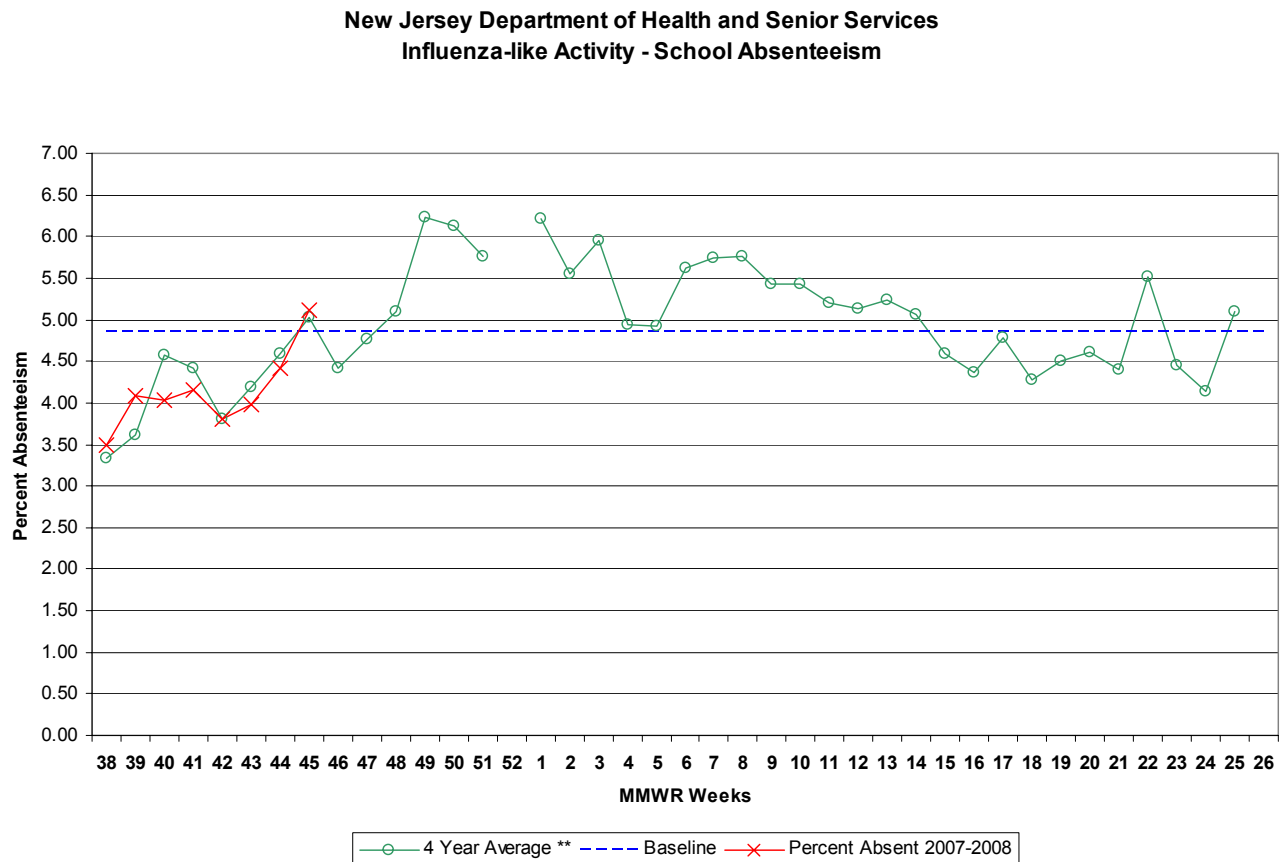
During week 45, 1.61% ILI was reported statewide from long term care facilities. This is an increase over the previous week (0.71%). The percent ILI for each county ranged from 0.00% to 11.98%. The percent ILI for this same week last year was 0.70% in long-term care facilities. The percent ILI for the northeast (1.21%) and south (3.77%) public health regions were above state baseline (0.86%). No report regarding ILI/respiratory outbreaks in communal living facilities were received in week 45.

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



## School Absenteeism

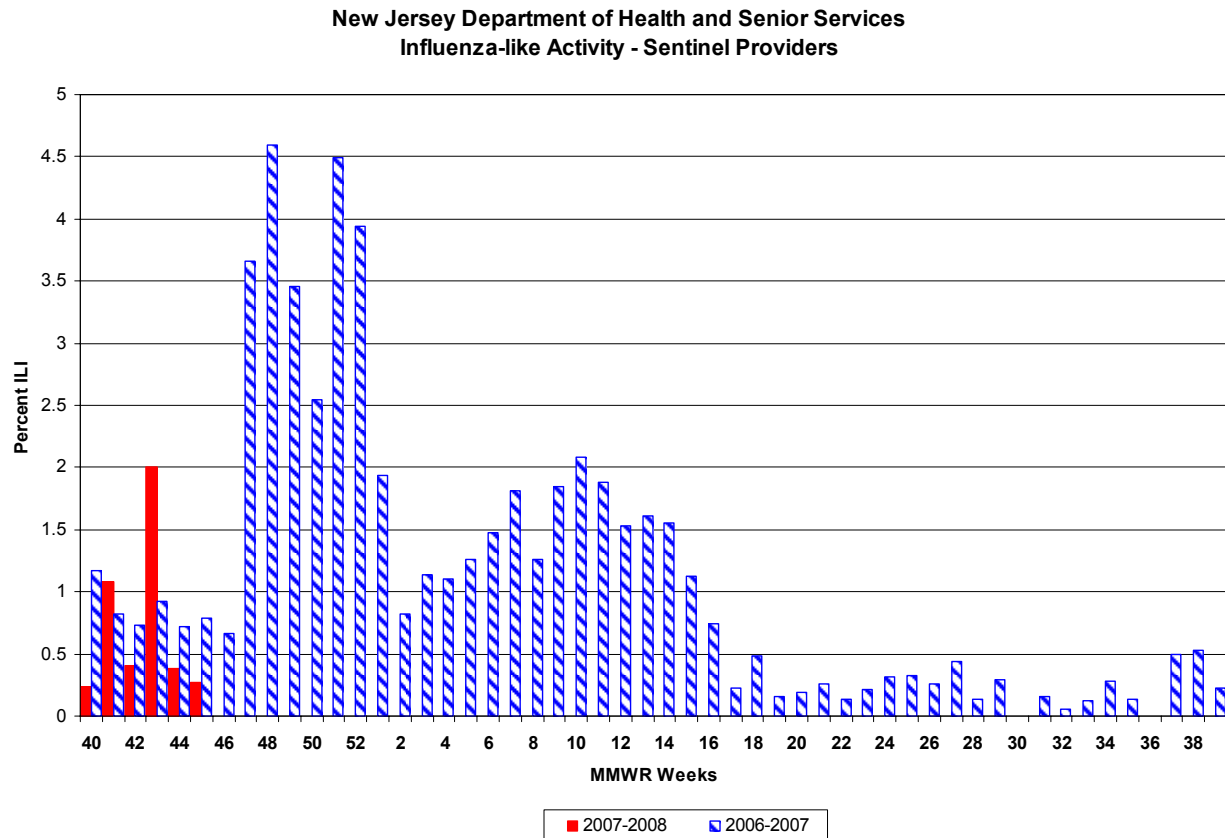
During week 45, schools reported 5.11% absenteeism. This is an increase over the previous week (4.41%). The percent ILI for each county ranged from 1.28 – 9.61%. The percent absent for this same week last year was 5.15%. The percent ILI for the northwest (4.94%) public health region was above state baseline (4.85%).



## **Sentinel Provider Surveillance**

During week 45, 0.27% of sentinel provider patient visits were due to ILI. These data reflect reports from four (10%) of the enrolled sentinel providers.

During week 44, 0.38% of sentinel provider patient visits were due to ILI. These data reflect reports from eleven (28%) of the enrolled sentinel providers.



## **Pediatric Influenza Surveillance**

To date, NJDHSS has not received any reports of pediatric illness meeting the case definition.

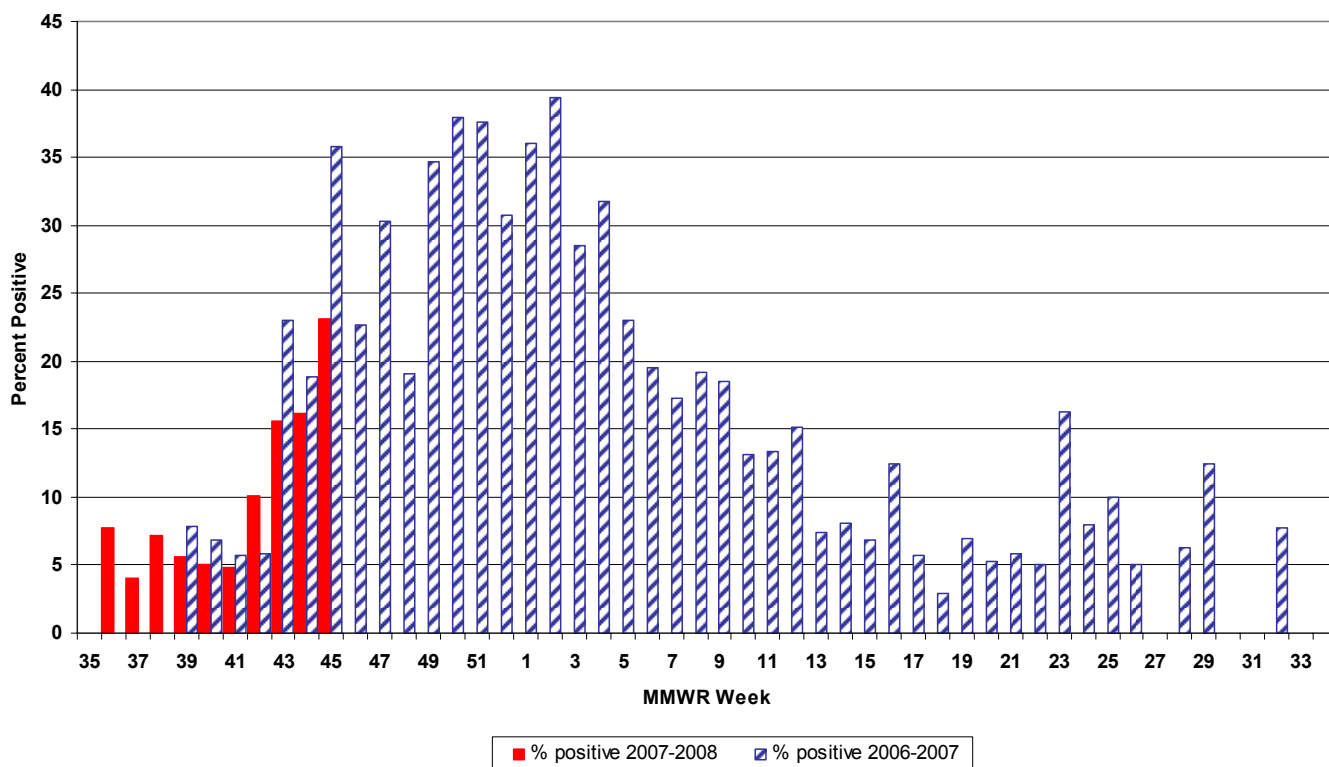
## **122 City Mortality Report**

During week 44, 6.21% of all deaths reported by the vital statistics offices in 6 New Jersey cities (i.e., Camden, Elizabeth, Jersey City, Newark, Paterson, Trenton) were due to pneumonia or influenza. This is the same as the previous week (6.21%). The percentage of death due to pneumonia or influenza for this same week last year was 3.65%.

## **RSV Reports**

During week 45, 23.08% of all RSV samples tested were positive. This was an increase over the previous week 16.18%. The percent of samples positive for RSV for this same week last year was 35.85%.

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



## **Additional Information**

For additional information regarding influenza surveillance please visit the following websites.

<http://nj.gov/health/flu/surveillance.shtml>  
<http://www.cdc.gov/flu/>

\* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2004, 2005, 2006) period during months when influenza is less likely to be circulating (May-August). Weeks in which less than 4 counties reported were not included in the calculation.

\*\*Three year average is an average of the 2003-2004, 2004-2005, and 2005-2006 influenza seasons.



	Long Term Care			Schools			Hospital Emergency Department			RSV Tests	
County	# Enrolled	# Reports Rec'd	% ILI	# Enrolled	# Reports Rec'd	% Absent	# Enrolled	# Reports Rec'd	% ILI	# Positive	Total Tests Performed
ATLANTIC	5	2	0.52	17	3	6.47	4	4	1.87	2	15
BERGEN	3	0	0.00	14	0	0.00	6	0	0.00	0	0
BURLINGTON	6	3	0.00	104	38	5.32	3	3	1.63	3	11
CAMDEN	7	0	0.00	17	0	0.00	7	0	0.00	0	0
CAPE MAY	5	3	0.61	11	4	3.90	1	1	12.00	0	1
CUMBERLAND	4	2	11.98	18	8	8.01	3	3	4.93	0	3
ESSEX	14	2	1.96	31	2	1.28	11	5	3.02	16	69
GLOUCESTER	2	2	11.26	6	2	2.85	2	1	1.32	0	2
HUDSON	10	1	0.56	86	0	0.00	8	2	0.44	7	18
HUNTERDON	4	4	0.22	8	1	2.71	1	1	0.00	1	8
MERCER	10	3	0.00	21	11	4.68	5	2	1.42	0	0
MIDDLESEX	2	1	0.00	46	8	3.12	5	1	12.41	1	12
MONMOUTH	6	2	0.44	25	13	8.13	5	4	4.29	2	14
MORRIS	11	2	0.77	14	13	1.78	4	2	1.59	4	7
OCEAN	6	1	0.00	27	4	6.95	4	3	5.88	0	3
PASSAIC	8	4	0.24	22	4	9.61	6	1	0.00	0	0
SALEM	4	1	0.00	5	0	0.00	1	1	0.00	0	0
SOMERSET	5	2	0.00	61	13	4.45	2	0	0.00	1	1
SUSSEX	5	5	0.36	24	23	4.71	2	2	1.98	0	5
UNION	4	1	0.00	117	20	4.67	5	5	5.62	8	26
UNKNOWN	0	0	0.00	1	0	0.00	0	0	0.00	0	0
WARREN	7	4	0.37	21	15	5.46	2	2	12.23	0	0
<b>NW Region</b>	31	15	0.46	81	55	4.77	14	7	3.86	4	12
<b>NE Region</b>	27	3	1.21	131	2	1.28	25	7	2.24	23	87
<b>CW Region</b>	19	9	0.10	90	25	4.45	8	3	1.05	2	9
<b>CE Region</b>	18	5	0.20	215	45	5.61	19	13	5.82	11	55
<b>South Region</b>	33	13	3.77	178	55	5.51	21	13	2.94	5	32
<b>State Total</b>	<b>128</b>	<b>45</b>	<b>1.61</b>	<b>695</b>	<b>182</b>	<b>5.11</b>	<b>87</b>	<b>43</b>	<b>3.85</b>	<b>45</b>	<b>195</b>