

**New Jersey Department of Health and Senior Services**  
**Communicable Disease Service**  
**Influenza Activity Summary**  
**Week Ending October 7, 2006 (MMWR Week 40)**

**Influenza activity level:**    **NO ACTIVITY**

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 **OR** at least one laboratory confirmed outbreak in an institution anywhere in the state

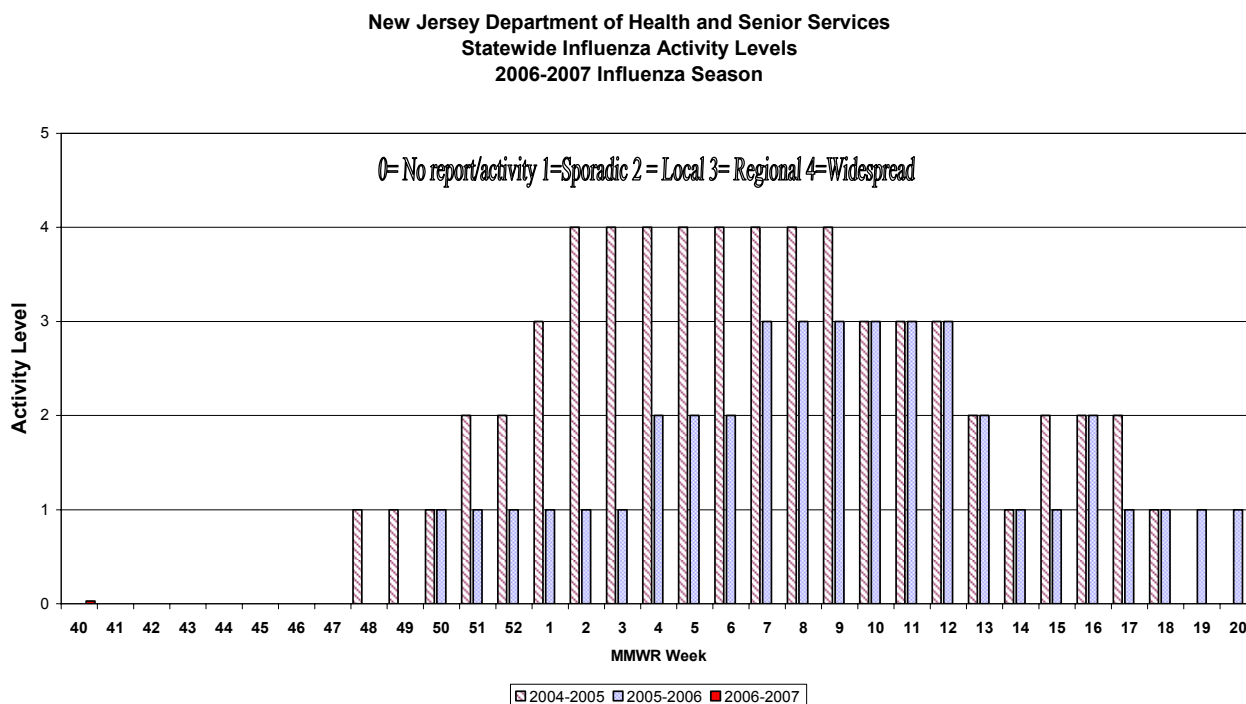
Local – At least 2 of 3 parameters above state baseline in a single county **AND** confirmed laboratory cases from that same county within the previous 3 weeks (other counties may be above baseline without lab confirmed cases) **OR** confirmed outbreaks in 2 or more institutions in a single county

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 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.



## **Regional Data**     **NO ACTIVITY IN ANY REGION**

### 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

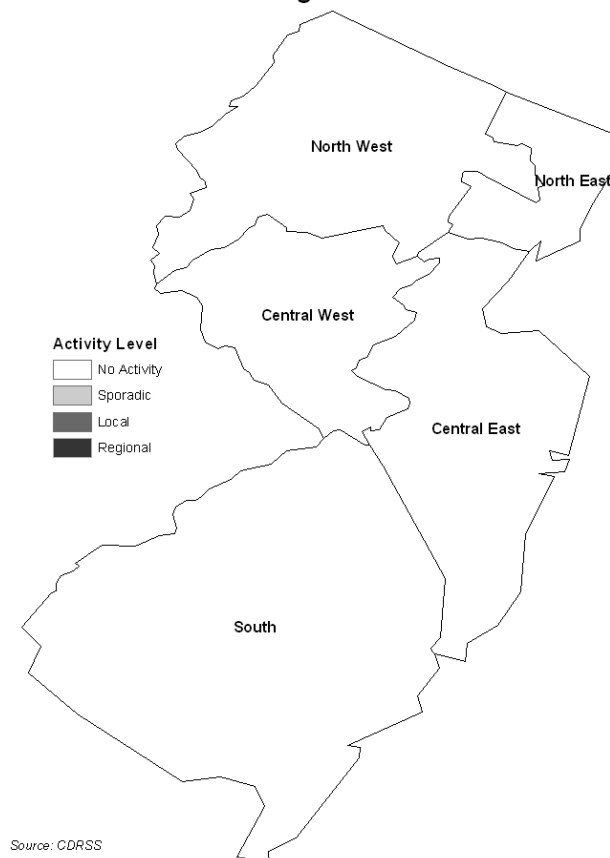
Sporadic – At least 2 of 3 parameters above state baseline **AND** confirmed laboratory cases anywhere in the public health region **OR** at least one laboratory confirmed outbreak in an institution anywhere in the public health region

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

### **Public Health Region Influenza Data**



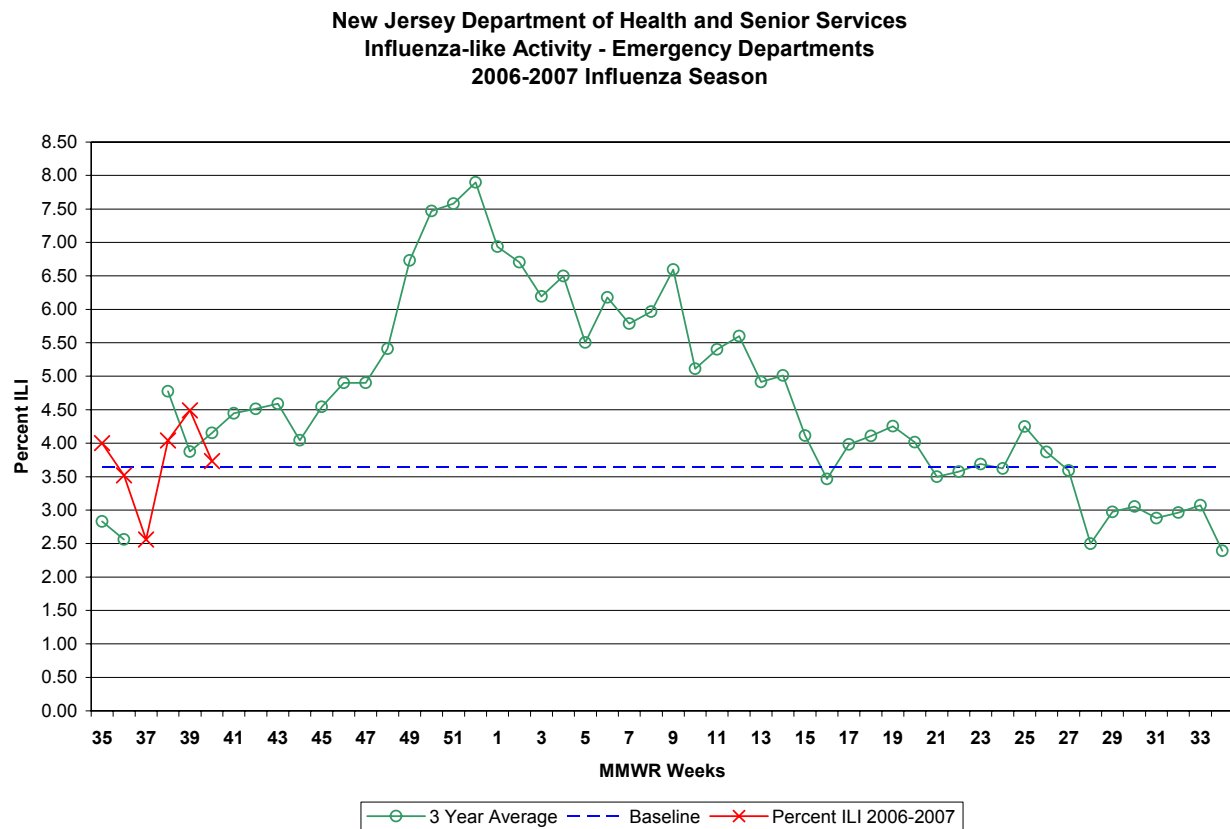
## **Laboratory Surveillance**

During week 40, Hackensack University Medical Center and NJDHSS PHEL have tested 18 samples for influenza. None of these samples were positive for influenza.

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

### Emergency Departments

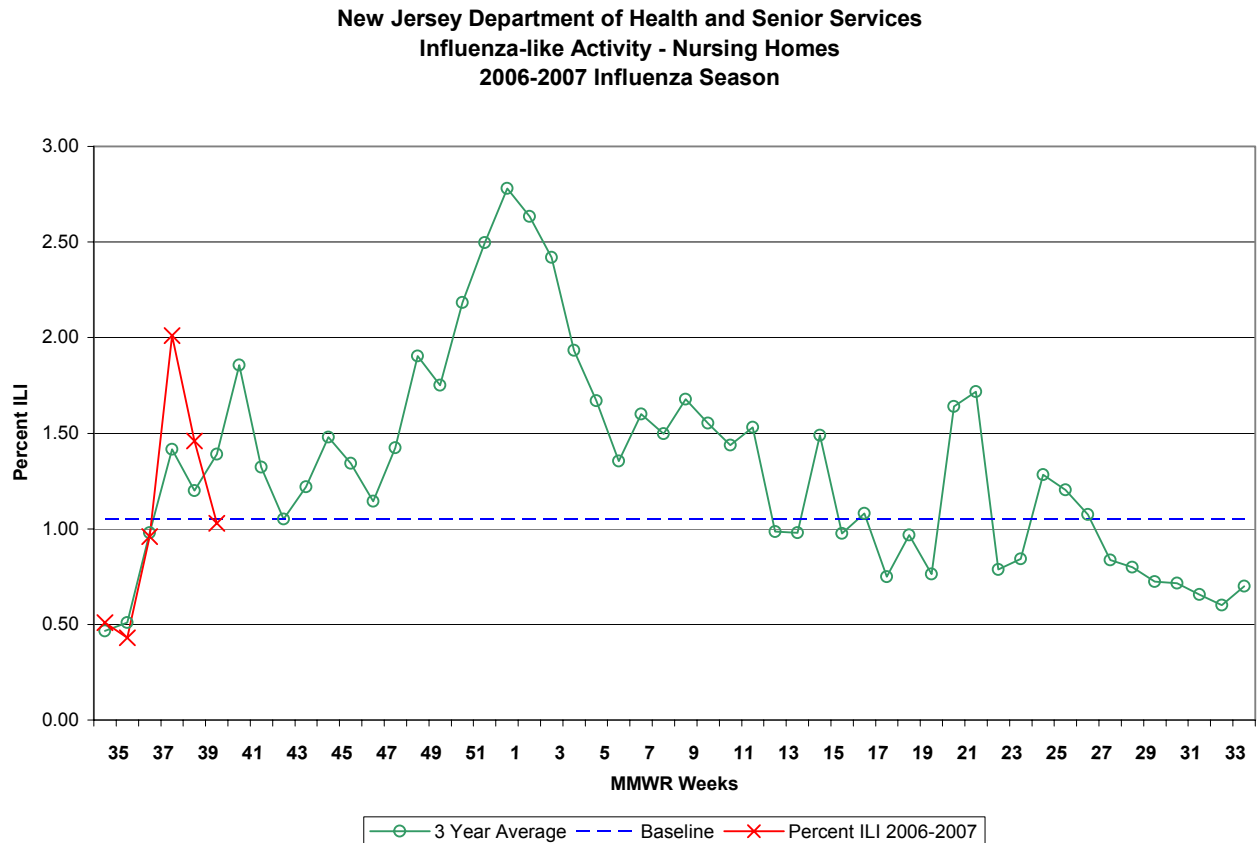
During week 40, 3.73% ILI was reported statewide from emergency departments. This is a decrease over the previous week (4.49%). The percent ILI for each county ranged from 0% to 27.14%. The percent ILI for this same week last year was 3.16% in emergency departments. The percent ILI for the northwest, northeast, and central west public health regions were above state baseline.



\*Additional data has been received from Atlantic, Burlington, Essex, Mercer, Monmouth, and Somerset counties. This data is not reflected in this report.

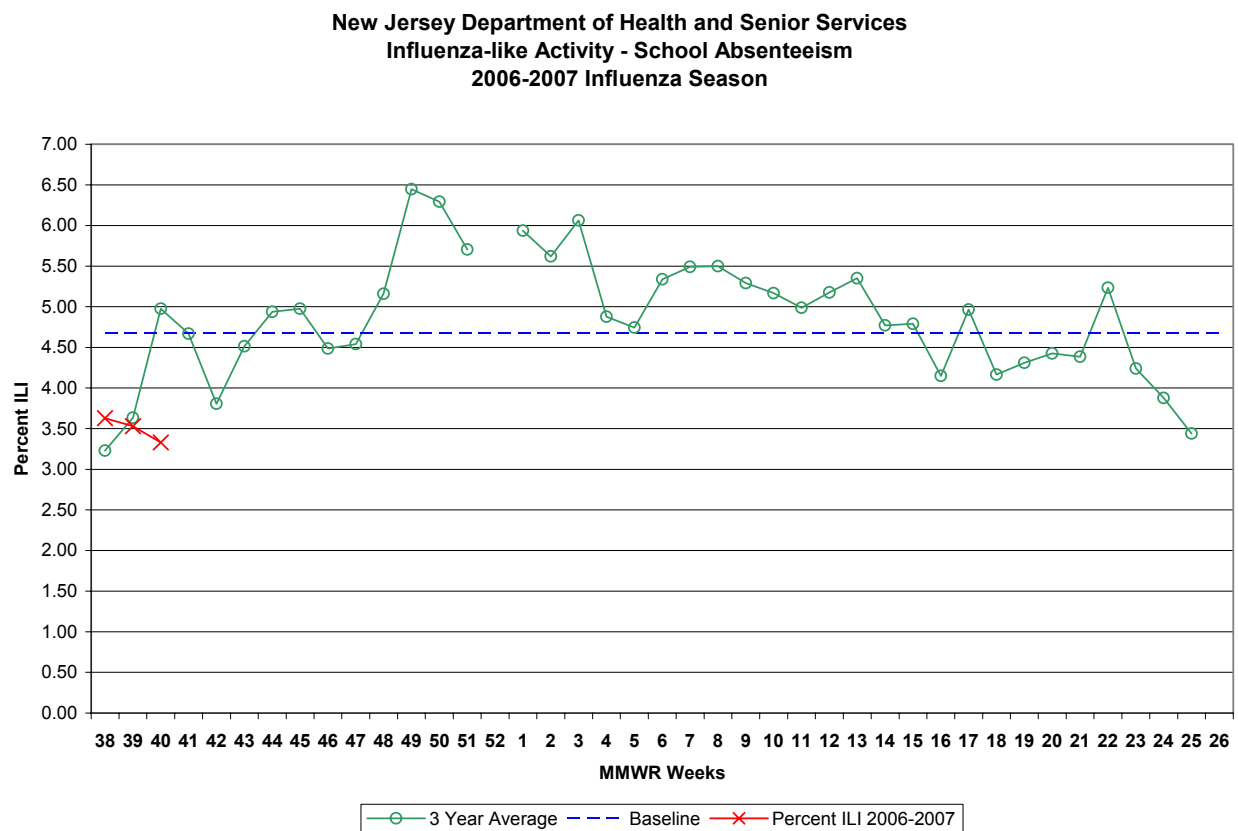
## Long-term Care Facilities

During week 40, 1.03% ILI was reported statewide from long term care facilities. This is a decrease over the previous week (1.46%). The percent ILI for each county ranged from 0% to 2.13%. No reports regarding ILI/respiratory outbreaks in communal living facilities were received. The percent ILI for this same week last year was 0.95% in long-term care facilities. The percent ILI for the south public health region was above state baseline.



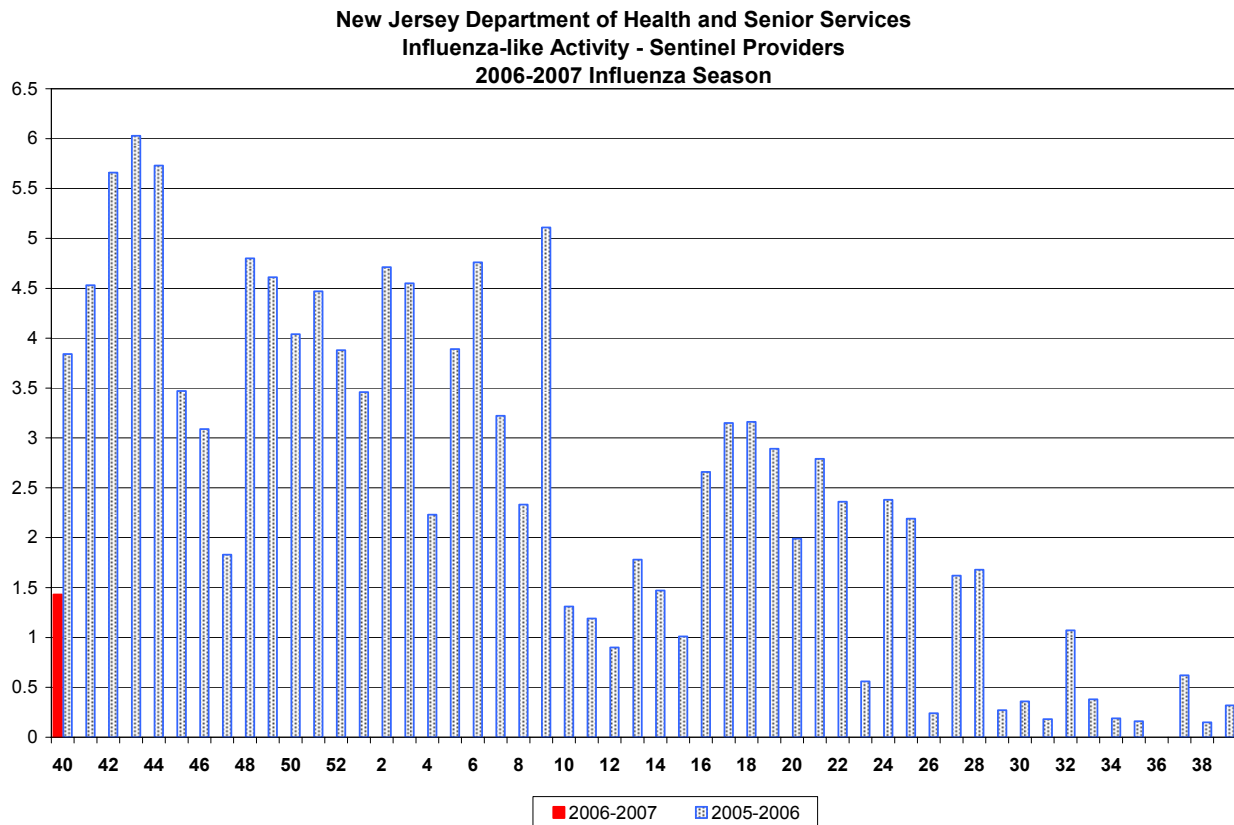
## School Absenteeism

During week 40, schools reported 3.35% absenteeism. This is a decrease over the previous week (3.53%). The percent ILI for each county ranged from 1.97% to 5.62%. The percent absent for this same week last year was 4.06%. The percent ILI from all public health regions were below state baseline.



## **Sentinel Provider Surveillance**

During week 40, 1.43% of sentinel provider patient visits were due to ILI. These data reflects reports from 1 (2%) of enrolled sentinel providers. Sentinel providers patient visits for this week last year was 3.84%.



## **Pediatric Influenza Surveillance**

To date, NJDHSS has received no reports of pediatric illness or death associated with influenza that met the case definition.

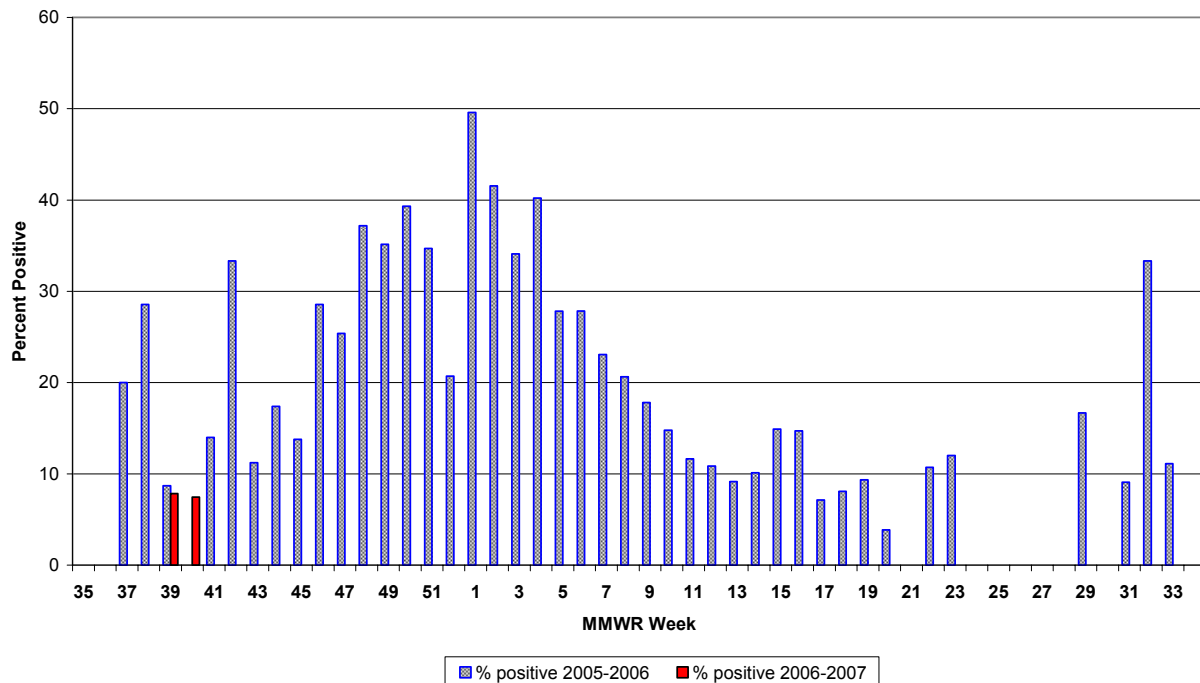
## **122 City Mortality Report**

During week 39, 5.22% 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 was an increase over the previous week (3.26%). The percentage of death due to pneumonia or influenza for this same week last year was 4.62%.

## **RSV Reports**

During week 40, 7.5% of all RSV samples tested were positive. This was a decrease over the previous week 7.84%. The percent of samples positive RSV for this same week last year was 0%.

**New Jersey Department of Health and Senior Services  
Respiratory Syncytial Virus (RSV) Surveillance by Week  
2006-2007 Influenza Season**



## **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/>



	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	11	0	0.00	16	0	0.00	4	4	0.88	1	8
BERGEN	3	0	0.00	11	0	0.00	6	0	0.00	0	0
BURLINGTON	2	0	0.00	40	28	3.63	3	2	1.27	0	0
CAMDEN	5	4	1.79	16	5	3.52	7	3	0.78	0	0
CAPE MAY	5	2	0.68	11	7	3.46	1	1	7.63	0	0
CUMBERLAND	4	2	2.13	9	5	3.18	3	3	5.69	0	2
ESSEX	13	1	0.00	29	6	3.39	10	5	3.36	0	25
GLOUCESTER	3	0	0.00	5	3	1.89	1	1	1.89	0	2
HUDSON	10	1	1.52	75	24	3.31	9	3	5.90	1	5
HUNTERDON	4	4	0.00	8	8	2.18	1	1	0.00	0	1
MERCER	6	4	0.75	12	11	1.97	5	3	2.22	2	8
MIDDLESEX	2	0	0.00	3	0	0.00	5	0	0.00	0	0
MONMOUTH	4	1	0.50	22	13	5.62	5	4	2.08	0	3
MORRIS	4	0	0.00	14	14	2.50	4	1	1.25	1	5
OCEAN	6	1	0.00	6	5	3.38	4	4	4.87	0	0
PASSAIC	6	3	1.27	22	4	3.95	6	1	6.94	0	0
SALEM	4	3	1.70	5	0	0.00	1	1	0.00	0	0
SOMERSET	5	2	0.81	35	16	2.36	1	1	27.14	0	0
SUSSEX	4	2	0.83	19	14	4.74	2	2	1.01	0	0
UNION	3	0	0.00	52	18	3.19	5	3	2.60	0	6
UNKNOWN	0	0	0.00	0	0	0.00	1	1	5.38	0	0
WARREN	7	5	0.45	46	16	3.30	2	0	0.00	0	2
<b>NW Region</b>	21	10	0.90	101	48	3.68	14	4	3.97	1	7
<b>NE Region</b>	26	2	0.97	115	30	3.33	25	8	4.25	1	30
<b>CW Region</b>	15	10	0.49	55	35	2.20	7	5	8.71	2	9
<b>CE Region</b>	15	2	0.33	83	36	4.14	19	11	3.24	0	9
<b>South Region</b>	34	11	1.76	102	48	3.49	20	15	2.23	1	12
<b>State Total</b>	<b>111</b>	<b>35</b>	<b>1.03</b>	<b>456</b>	<b>197</b>	<b>3.33</b>	<b>85</b>	<b>43</b>	<b>3.73</b>	<b>5</b>	<b>67</b>