

**New Jersey Department of Health and Senior Services**  
**Communicable Disease Service**  
**Influenza Activity Summary**  
**Week Ending December 16, 2006 (MMWR Week 50)**

**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 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

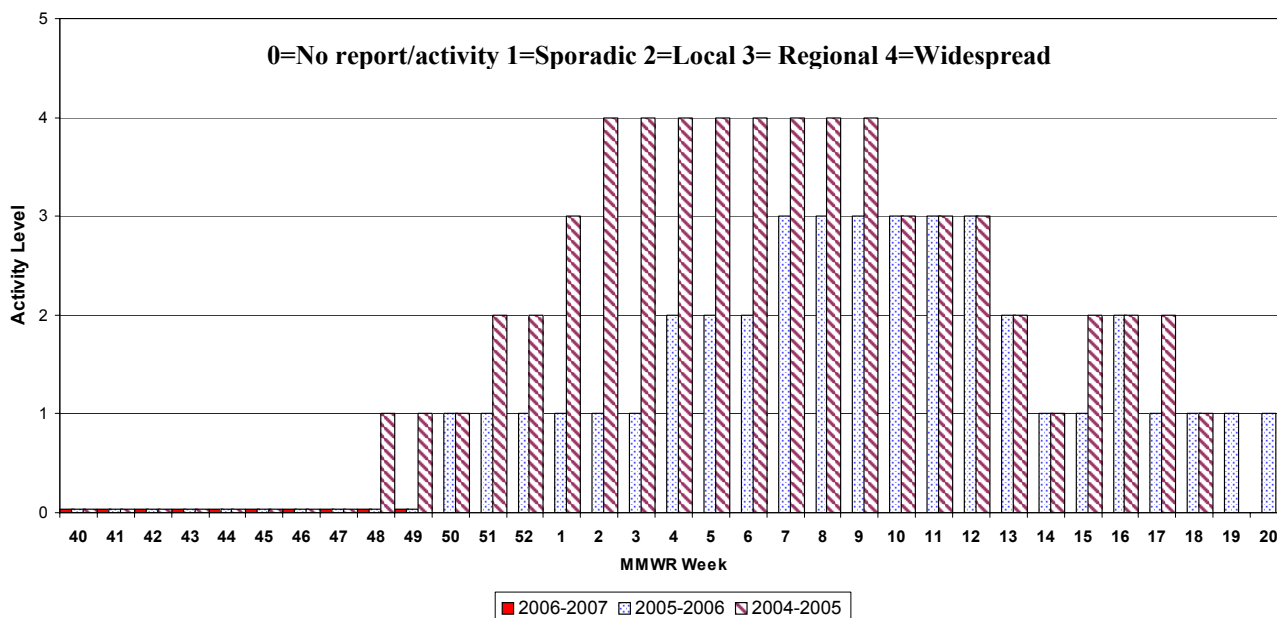
Regional – At least 2 of 3 parameters above state baseline in  $\geq 2$  but  $\leq 10$  counties **AND** laboratory confirmed cases from these same counties in past 3 weeks **OR** confirmed outbreaks institutions in  $\geq 2$  but  $\leq 10$  counties

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 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.

New Jersey Department of Health and Senior Services  
Statewide Influenza Activity Levels



## **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

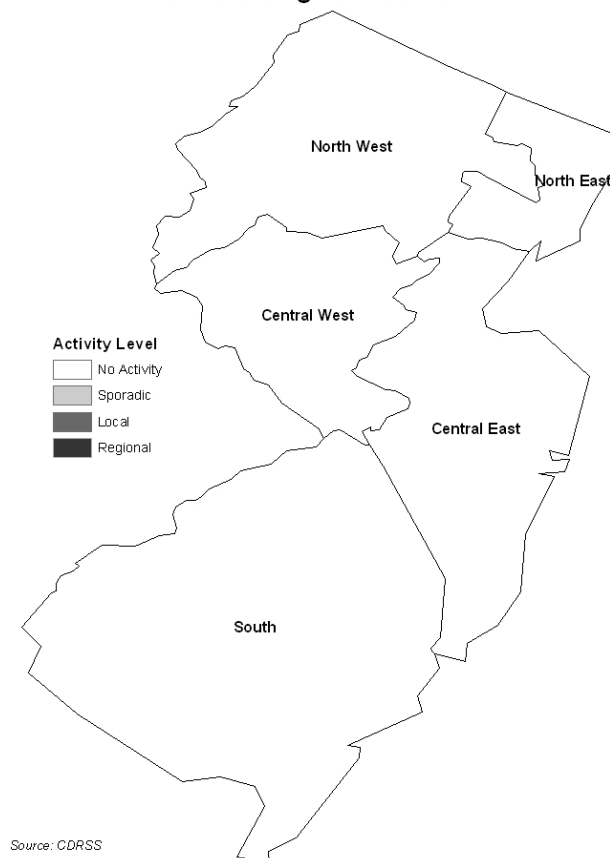
Sporadic – At least 2 of 3 parameters above state baseline **AND** confirmed laboratory cases anywhere in the public health region **OR** at least one laboratory confirmed outbreak in an institution anywhere in the public health region

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



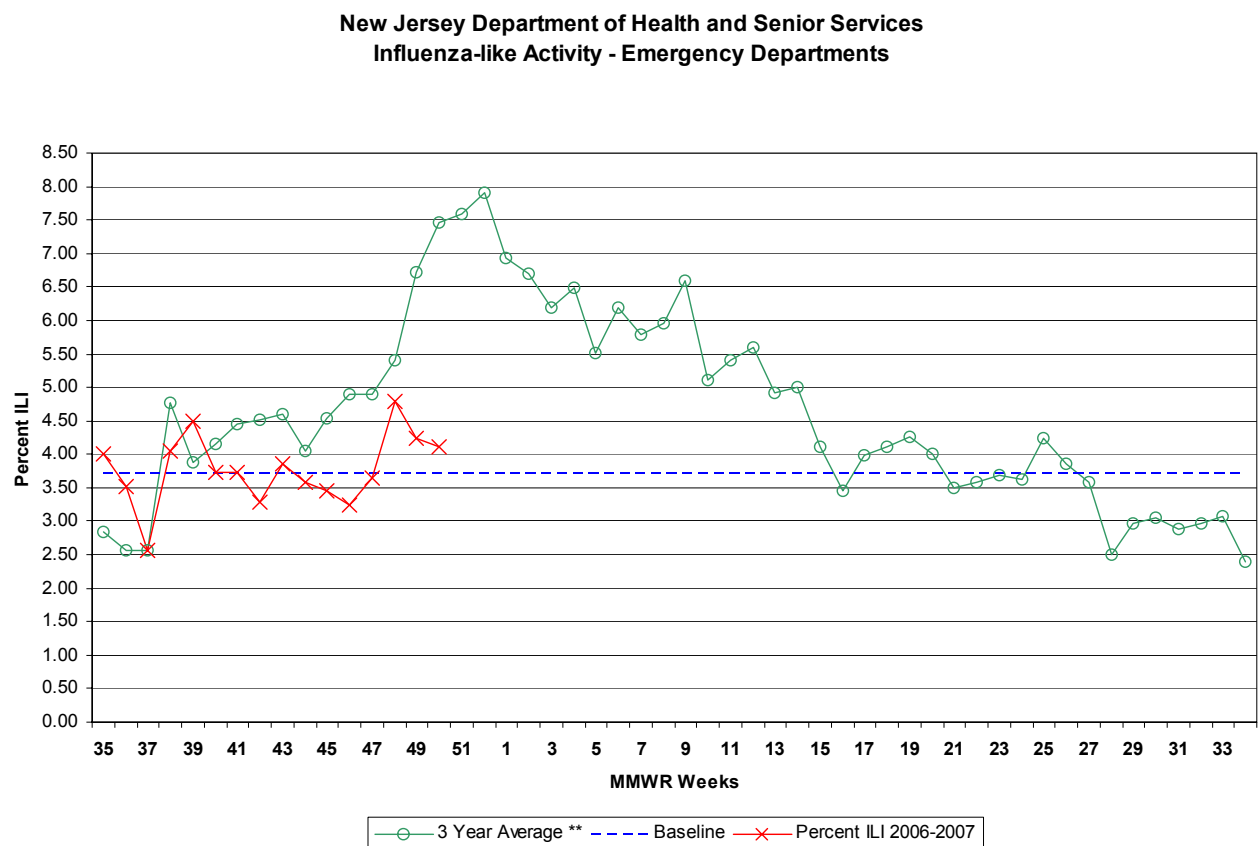
## **Laboratory Surveillance**

As of week 50, Hackensack University Medical Center and NJDHSS PHEL have tested 276 samples for influenza. None of these samples were found to be positive for influenza.

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

### **Emergency Departments**

During week 50, 4.12% ILI was reported statewide from emergency departments. This is a decrease over the previous week (4.25%). The percent ILI for each county ranged from 0.00% to 19.10%. The percent ILI for this same week last year was 5.07% in emergency departments. The percent ILI for the central west (7.23%) and the south (4.50%) public health regions were above state baseline (3.71%).



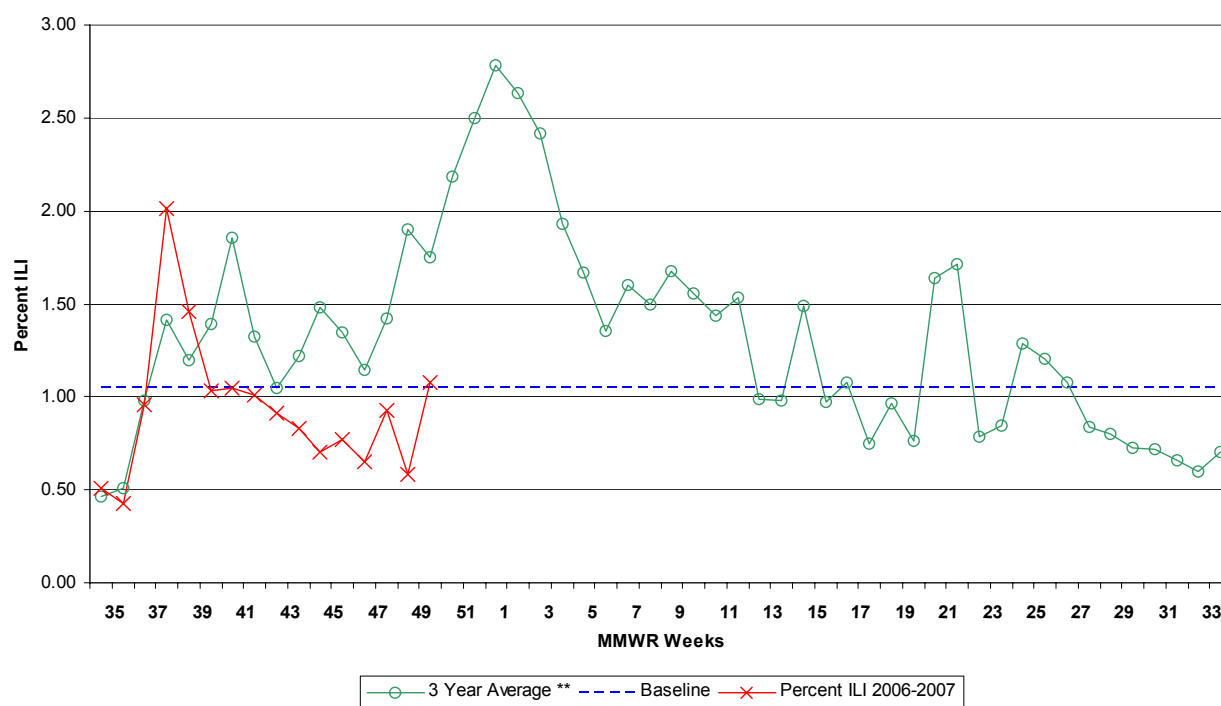
\* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2004, 2005, 2006) period during months when influenza is less likely to be circulating (May-August). Weeks in which less than 4 counties reported were not included in the calculation.

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

## Long-term Care Facilities

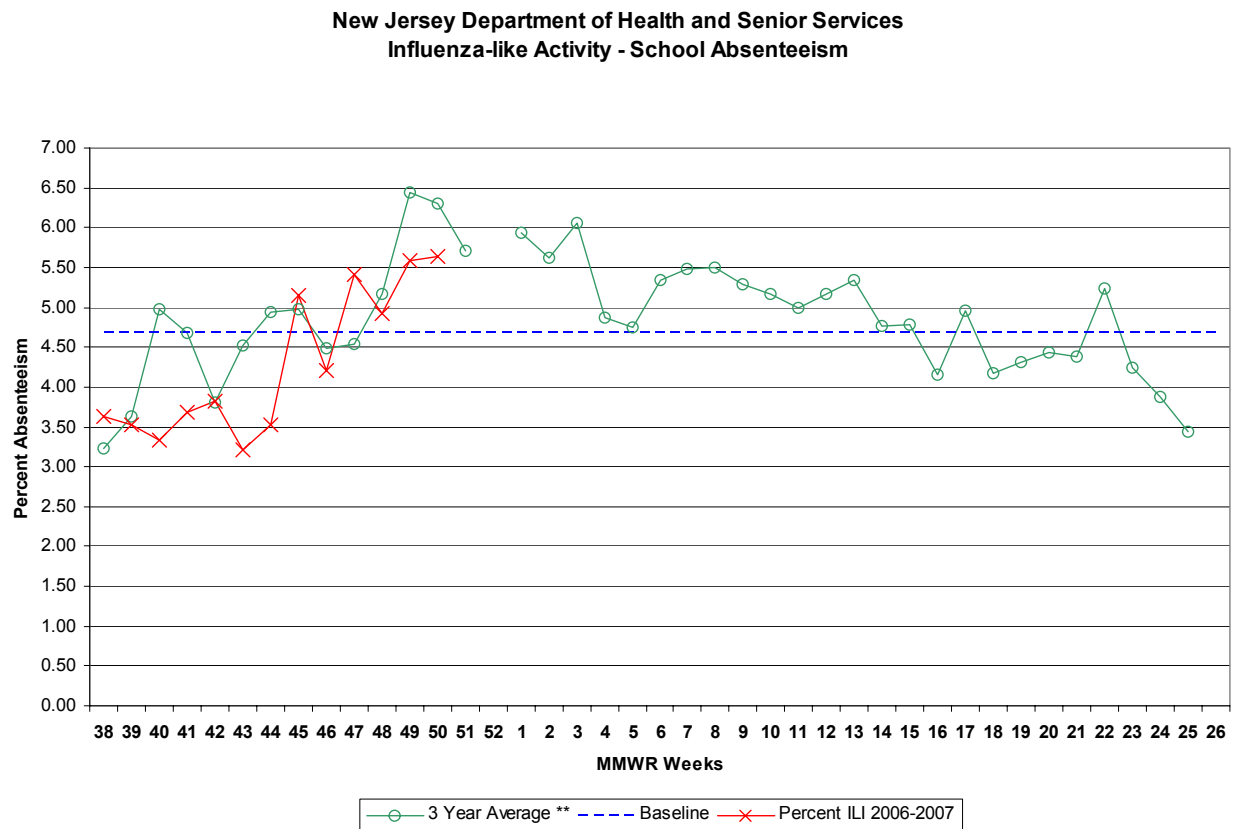
During week 50, 1.08% ILI was reported statewide from long term care facilities. This is an increase over the previous week (0.58%). The percent ILI for each county ranged from 0.00% to 3.05%. No reports regarding ILI/respiratory outbreaks in communal living facilities were received. The percent ILI for this same week last year was 0.82% in long-term care facilities. The percent ILI for the northeast (1.90%) and northwest (1.31%) public health region was above state baseline (1.05%).

### New Jersey Department of Health and Senior Services Influenza-like Activity - Nursing Homes



## School Absenteeism

During week 50, schools reported 5.64% absenteeism. This is an increase over the previous week (5.58%). The percent ILI for each county ranged from 2.68% to 8.53%. The percent absent for this same week last year was 4.68%. The percent ILI for the northwest (6.83%), the northeast (6.10%), the central east (5.79%) and the south (5.64%) public health regions were above state baseline (4.68%).



## **Sentinel Provider Surveillance**

During week 50, 1.55% of sentinel provider patient visits were due to ILI. These data reflect reports from seven (17%) of the enrolled sentinel providers.

### **UPDATE**

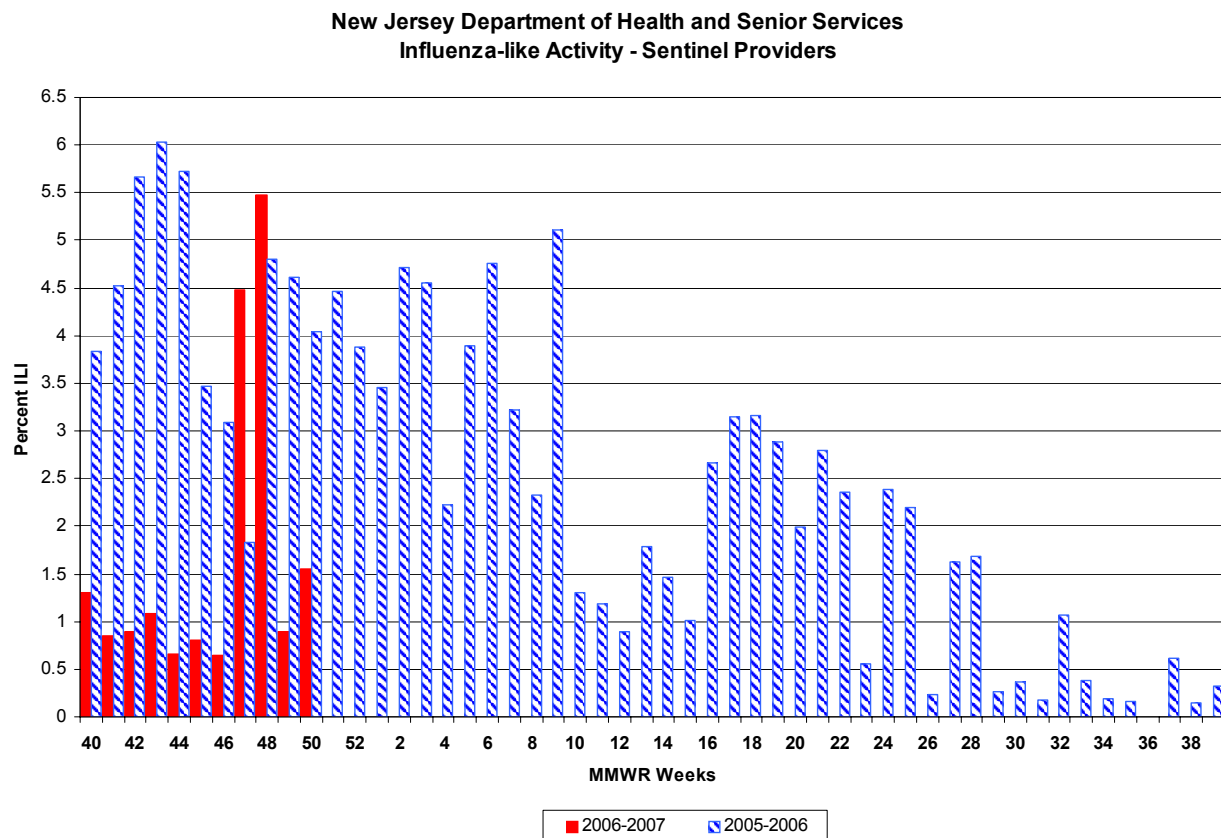
During week 49, 0.90% of sentinel provider patient visits were due to ILI. These data reflect reports from ten (24%) of the enrolled sentinel providers.

During week 48, 5.47% of sentinel provider patient visits were due to ILI. These data reflect reports from fifteen (36%) of the enrolled sentinel providers.

During week 47, 4.48% of sentinel provider patient visits were due to ILI. These data reflect reports from seventeen (40%) of the enrolled sentinel providers.

During week 46, 0.65% of sentinel provider patient visits were due to ILI. These data reflect reports from sixteen (38%) of the enrolled sentinel providers.

During week 45, 0.81% of sentinel provider patient visits were due to ILI. These data reflect reports from fifteen (36%) of the enrolled sentinel providers.



## **Pediatric Influenza Surveillance**

To date, NJDHSS has received 15 reports of pediatric illness. No reports of pediatric illness or death associated with influenza have met the case definition.

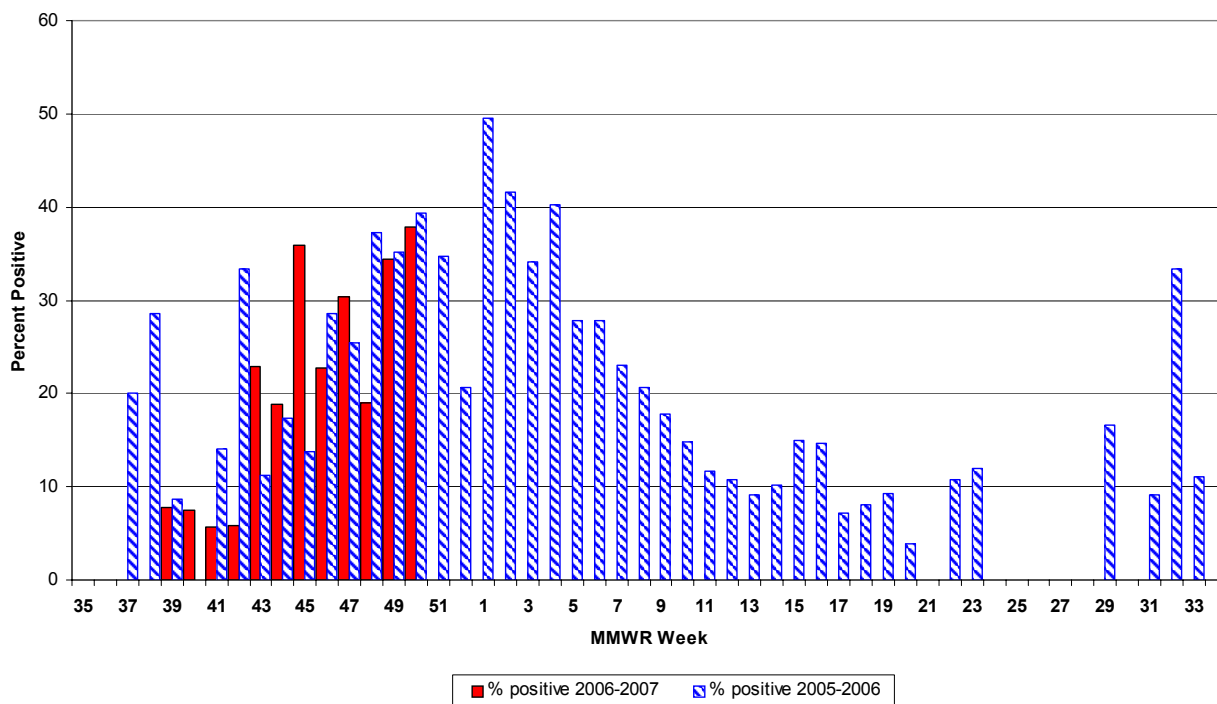
## **122 City Mortality Report**

During week 50, 4.44% 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 (3.09%). The percentage of death due to pneumonia or influenza for this same week last year was 4.32%.

## **RSV Reports**

During week 50, 37.89% of all RSV samples tested were positive. This was an increase over the previous week 34.47%. The percent of samples positive RSV for this same week last year was 39.33%.

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



## **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	5	3	2.45	16	15	6.91	4	4	0.95	17	36
BERGEN	3	0	0.00	11	0	0.00	6	0	0.00	0	0
BURLINGTON	6	2	0.36	94	73	5.04	3	2	11.46	6	14
CAMDEN	7	5	0.22	17	6	5.51	7	5	1.58	0	0
CAPE MAY	4	2	1.08	11	9	5.30	1	1	13.04	0	5
CUMBERLAND	4	2	0.24	17	9	8.61	3	3	8.02	5	12
ESSEX	14	5	1.35	31	7	3.78	11	8	4.13	55	135
GLOUCESTER	2	2	0.50	4	3	2.68	2	2	3.02	0	0
HUDSON	10	3	2.60	75	40	6.42	7	4	1.71	22	59
HUNTERDON	4	4	0.45	8	8	3.31	1	1	2.41	4	5
MERCER	10	4	0.00	12	10	3.32	5	3	1.47	19	61
MIDDLESEX	2	0	0.00	3	0	0.00	5	0	0.00	0	0
MONMOUTH	5	1	0.00	24	18	8.53	5	4	1.18	7	23
MORRIS	11	1	0.00	14	13	2.83	4	4	2.34	5	17
OCEAN	8	2	0.00	12	5	7.31	4	4	5.63	0	0
PASSAIC	8	4	2.23	22	9	5.18	6	3	2.95	0	0
SALEM	4	3	0.00	5	0	0.00	1	1	0.00	0	0
SOMERSET	5	3	3.05	52	26	3.95	2	2	19.10	0	0
SUSSEX	5	5	0.12	18	18	8.32	2	2	3.45	3	8
UNION	4	0	0.00	78	41	4.35	5	0	0.00	4	13
UNKNOWN	0	0	0.00	2	0	0.00	0	0	0.00	0	0
WARREN	7	6	2.33	21	21	8.44	2	2	7.76	0	0
<b>NW Region</b>	31	16	1.31	75	61	6.83	14	11	3.22	8	25
<b>NE Region</b>	27	8	1.90	117	47	6.10	24	12	3.55	77	194
<b>CW Region</b>	19	11	1.03	72	44	3.68	8	6	7.23	23	66
<b>CE Region</b>	19	3	0.00	117	64	5.79	19	8	3.39	11	36
<b>South Region</b>	32	19	0.70	164	115	5.64	21	18	4.50	28	67
<b>State Total</b>	<b>128</b>	<b>57</b>	<b>1.08</b>	<b>545</b>	<b>331</b>	<b>5.64</b>	<b>86</b>	<b>55</b>	<b>4.12</b>	<b>147</b>	<b>388</b>