

**New Jersey Department of Health and Senior Services**  
**Communicable Disease Service**  
**Influenza Activity Summary**  
**Week Ending November 18, 2006 (MMWR Week 46)**

**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

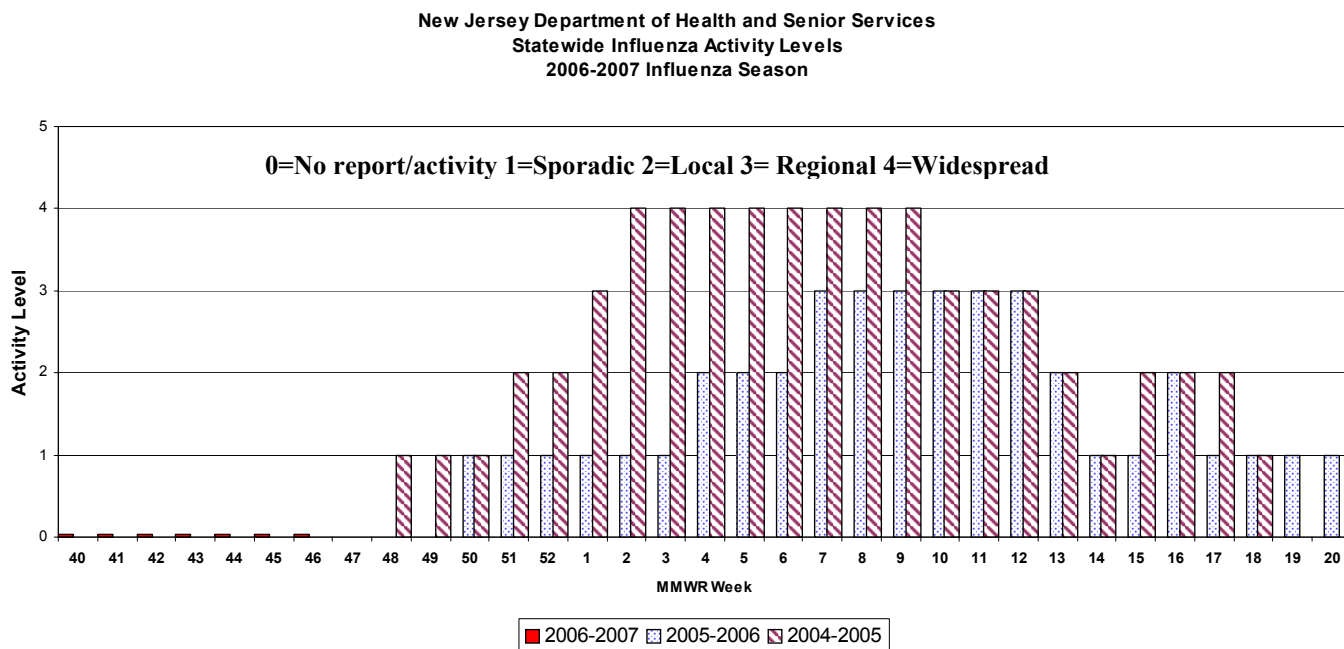
Local – At least 2 or 3 parameters above state baseline in a single county **AND** confirmed laboratory cases from that same county within the previous 3 weeks (other counties may be above baseline without lab confirmed cases) **OR** confirmed outbreaks in 2 or more institutions in a single county

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.



## **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

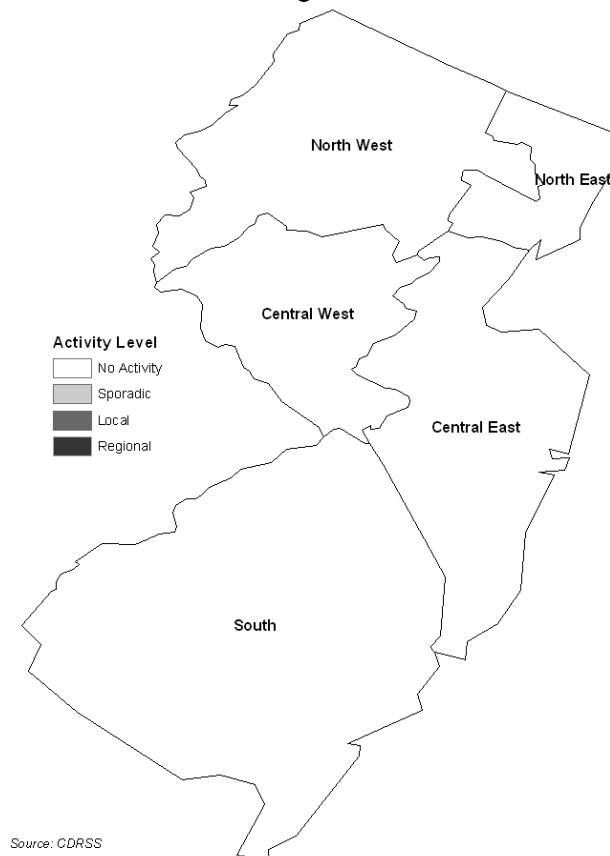
Sporadic – At least 2 of 3 parameters above state baseline **AND** confirmed laboratory cases anywhere in the public health region **OR** at least one laboratory confirmed outbreak in an institution anywhere in the public health region

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



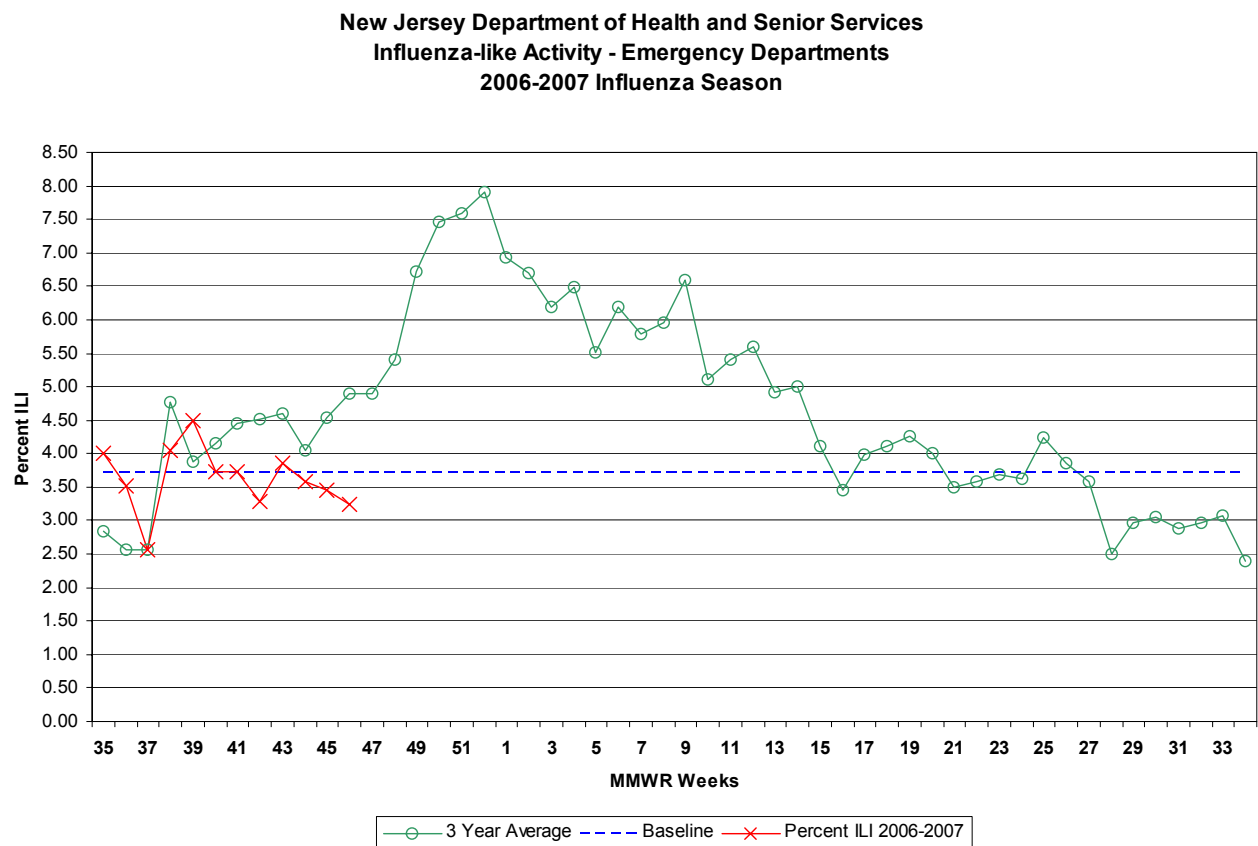
## **Laboratory Surveillance**

During week 46, Hackensack University Medical Center and NJDHSS PHEL have tested 36 samples for influenza. The total number of samples tested during the 2006-2007 influenza season is 163. None of these samples were positive for influenza.

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

### **Emergency Departments**

During week 46, 3.25% ILI was reported statewide from emergency departments. This is decrease over the previous week (3.46%). The percent ILI for each county ranged from 1.08% to 16.48%. The percent ILI for this same week last year was 4.48% in emergency departments. The percent ILI for the central west (5.10%) and the northeast (5.09%) public health regions were above state baseline (3.71%).

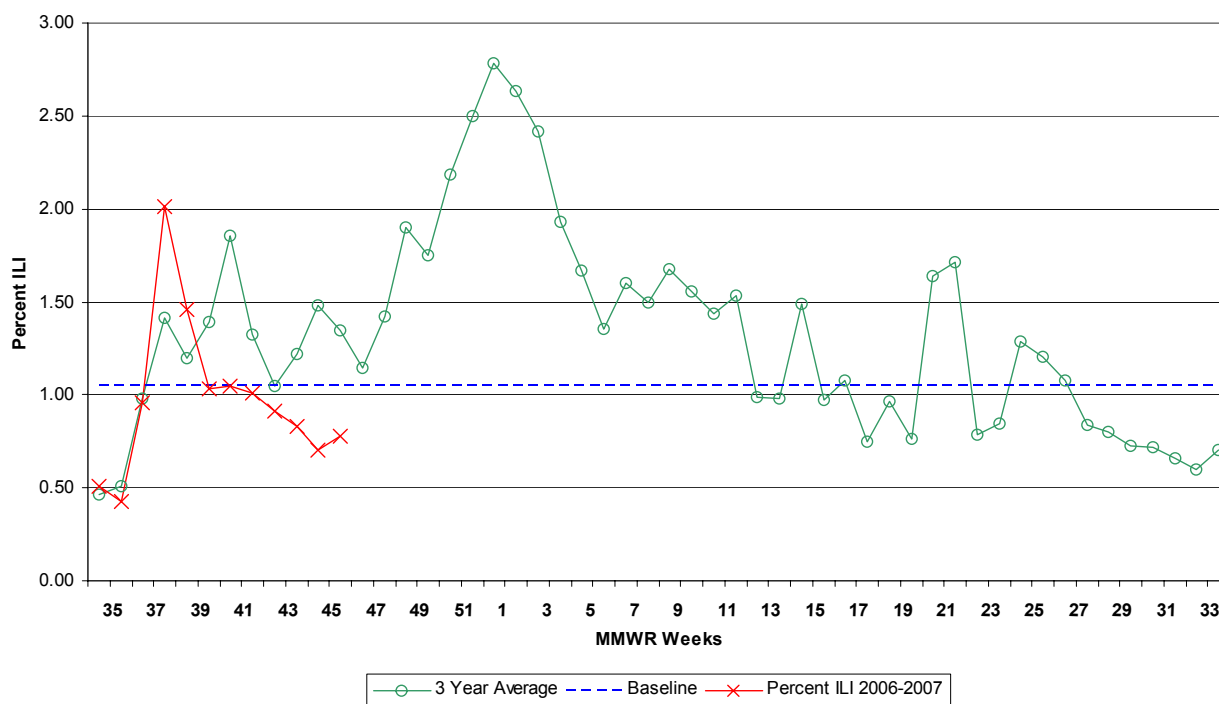


\*Additional data has been received from Burlington, Hudson, and Somerset counties. This data has not been incorporated in the data produced by this report.

## Long-term Care Facilities

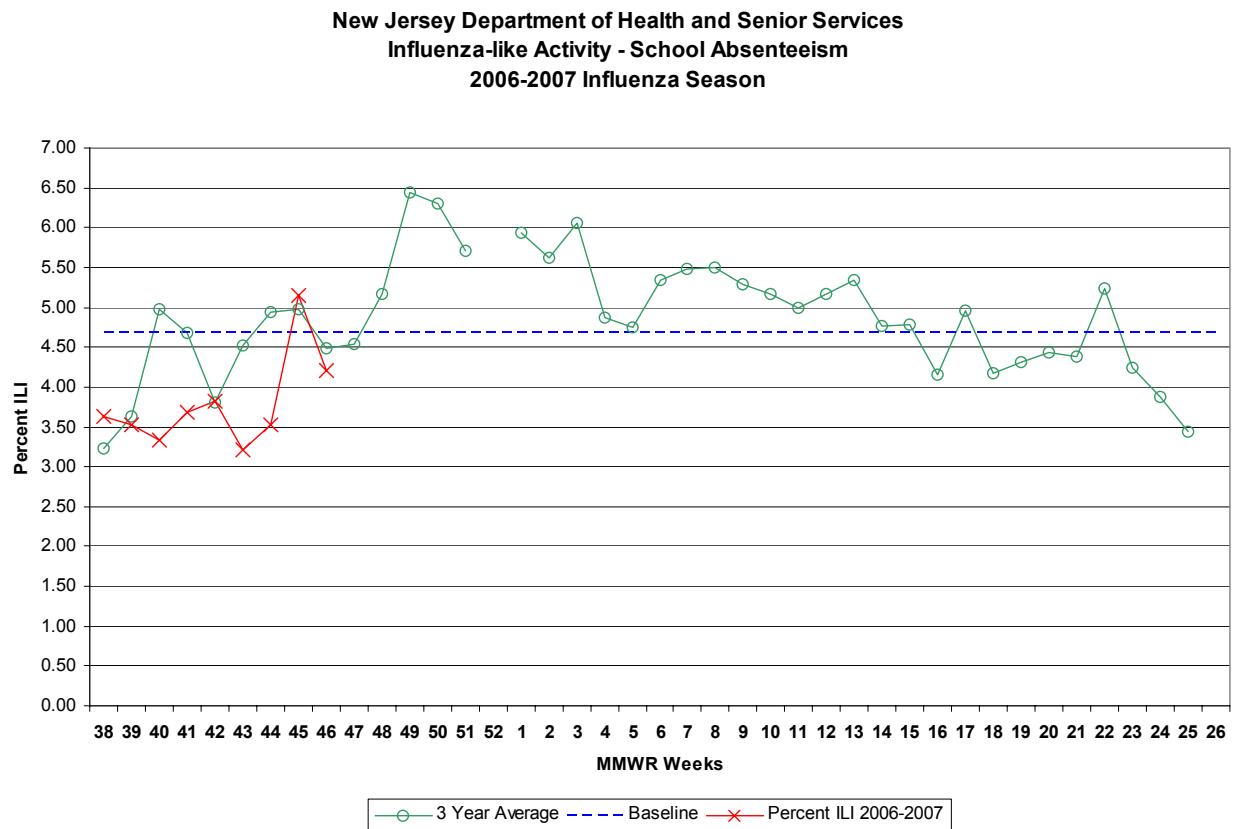
During week 46, 0.78% ILI was reported statewide from long term care facilities. This is an increase over the previous week (0.70%). The percent ILI for each county ranged from 0.00% to 3.20%. No reports regarding ILI/respiratory outbreaks in communal living facilities were received. The percent ILI for this same week last year was 0.85% in long-term care facilities. The percent ILI for the northeast (1.55%) public health region was above state baseline (1.05%).

**New Jersey Department of Health and Senior Services  
Influenza-like Activity - Nursing Homes  
2006-2007 Influenza Season**



## School Absenteeism

During week 46, schools reported 4.21% absenteeism. This is a decrease over the previous week (5.15%). The percent ILI for each county ranged from 2.32% to 6.55%. The percent absent for this same week last year was 4.82%. The percent ILI for the northwest (5.14%) public health region was above state baseline (4.68%).



## **Sentinel Provider Surveillance**

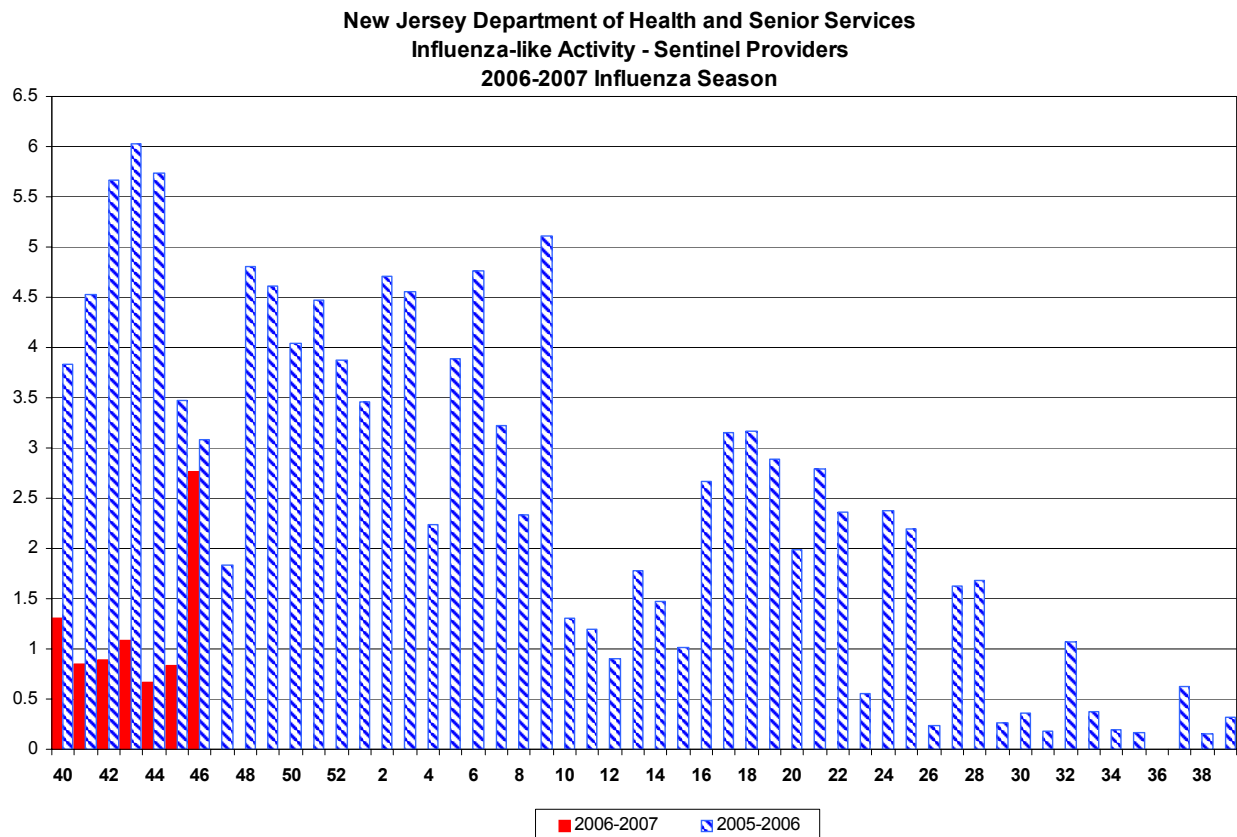
During week 46, 2.77% of sentinel provider patient visits were due to ILI. These data reflect reports from one (2%) of the enrolled sentinel providers.

### **UPDATE**

During week 45, 0.83% of sentinel provider patient visits were due to ILI. These data reflect reports from fourteen (33%) of the enrolled sentinel providers.

During week 44, 0.66% of sentinel provider patient visits were due to ILI. These data reflect reports from eleven (26%) of the enrolled sentinel providers.

During week 43, 1.09% of sentinel provider patient visits were due to ILI. These data reflect reports from thirteen (31%) of the enrolled sentinel providers.



## **Pediatric Influenza Surveillance**

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

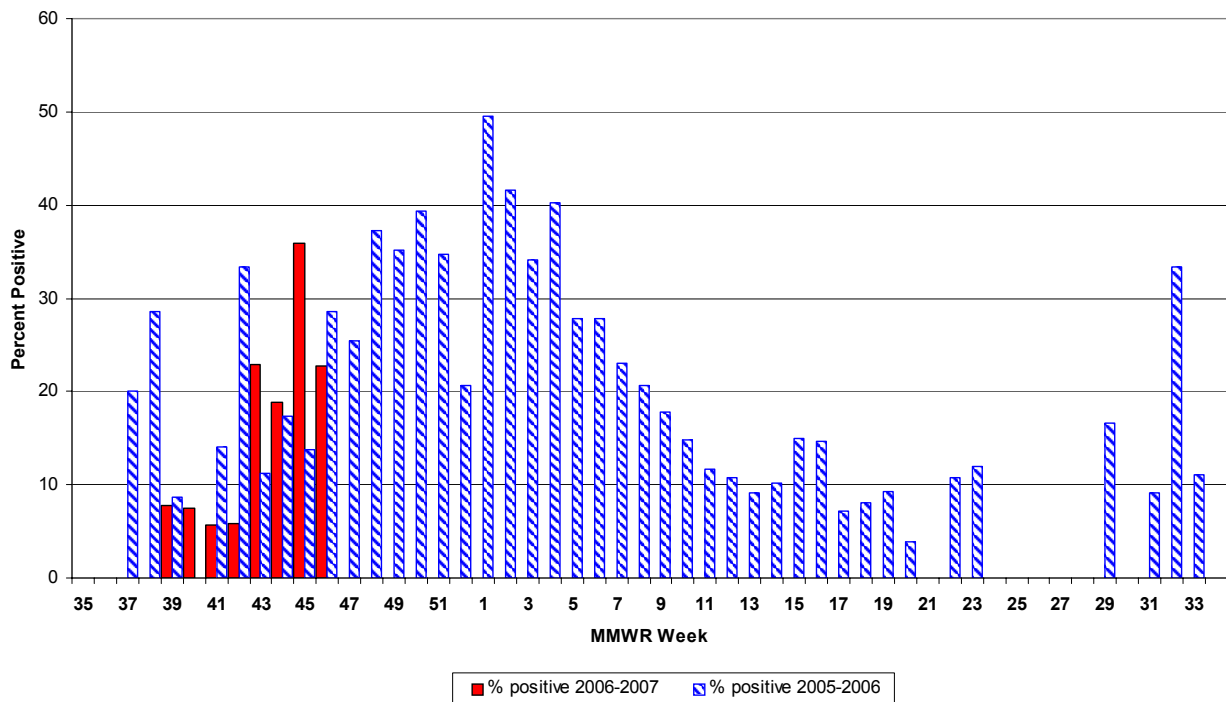
## **122 City Mortality Report**

During week 45, 4.97% 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 a decrease over the previous week (6.86%). The percentage of death due to pneumonia or influenza for this same week last year was 7.02%.

## **RSV Reports**

During week 46, 22.68% of all RSV samples tested were positive. This was a decrease over the previous week 35.58%. The percent of RSV positive samples for this same week last year was 28.57%.

**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	5	2	1.52	16	14	6.55	4	4	2.93	4	21
BERGEN	3	0	0.00	11	0	0.00	6	0	0.00	0	0
BURLINGTON	5	3	0.00	91	68	4.03	3	3	1.15	6	14
CAMDEN	7	3	0.00	16	6	4.09	7	6	1.34	0	0
CAPE MAY	4	2	3.20	11	11	4.65	1	1	11.39	0	1
CUMBERLAND	4	2	0.24	10	3	3.68	3	3	6.51	2	9
ESSEX	14	6	1.41	31	9	2.52	11	9	4.24	5	22
GLOUCESTER	2	1	0.00	4	2	4.07	2	2	0.61	0	0
HUDSON	10	2	1.86	75	0	0.00	7	2	16.48	4	26
HUNTERDON	4	4	0.00	8	7	2.54	1	1	1.61	3	6
MERCER	10	10	0.87	12	11	2.34	5	3	2.42	11	38
MIDDLESEX	2	0	0.00	3	0	0.00	5	0	0.00	0	0
MONMOUTH	5	3	1.68	24	16	5.93	5	5	1.08	4	23
MORRIS	11	6	0.36	14	13	2.32	4	4	1.73	4	19
OCEAN	8	0	0.00	7	0	0.00	4	0	0.00	0	0
PASSAIC	8	5	0.65	22	8	5.33	6	3	3.62	0	0
SALEM	4	3	2.67	5	0	0.00	1	1	0.00	0	0
SOMERSET	5	3	0.55	50	26	2.90	2	2	10.19	0	0
SUSSEX	4	4	0.00	19	17	5.65	2	2	1.92	0	4
UNION	4	2	0.45	70	41	3.63	5	5	1.86	0	8
UNKNOWN	0	0	0.00	0	0	0.00	0	0	0.00	0	0
WARREN	7	6	0.85	46	21	6.29	2	2	9.80	1	3
<b>NW Region</b>	<b>30</b>	<b>21</b>	<b>0.41</b>	<b>101</b>	<b>59</b>	<b>5.14</b>	<b>14</b>	<b>11</b>	<b>3.53</b>	<b>5</b>	<b>26</b>
<b>NE Region</b>	<b>27</b>	<b>8</b>	<b>1.55</b>	<b>117</b>	<b>9</b>	<b>2.52</b>	<b>24</b>	<b>11</b>	<b>5.09</b>	<b>9</b>	<b>48</b>
<b>CW Region</b>	<b>19</b>	<b>17</b>	<b>0.60</b>	<b>70</b>	<b>44</b>	<b>2.69</b>	<b>8</b>	<b>6</b>	<b>5.10</b>	<b>14</b>	<b>44</b>
<b>CE Region</b>	<b>19</b>	<b>5</b>	<b>1.05</b>	<b>104</b>	<b>57</b>	<b>4.28</b>	<b>19</b>	<b>10</b>	<b>1.45</b>	<b>4</b>	<b>31</b>
<b>South Region</b>	<b>31</b>	<b>16</b>	<b>0.95</b>	<b>153</b>	<b>104</b>	<b>4.56</b>	<b>21</b>	<b>20</b>	<b>2.50</b>	<b>12</b>	<b>45</b>
<b>State Total</b>	<b>126</b>	<b>67</b>	<b>0.78</b>	<b>545</b>	<b>273</b>	<b>4.21</b>	<b>86</b>	<b>58</b>	<b>3.25</b>	<b>44</b>	<b>194</b>