

**New Jersey Department of Health and Senior Services**  
**Communicable Disease Service**  
**Influenza Activity Summary**  
**Week Ending November 25, 2006 (MMWR Week 47)**

**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

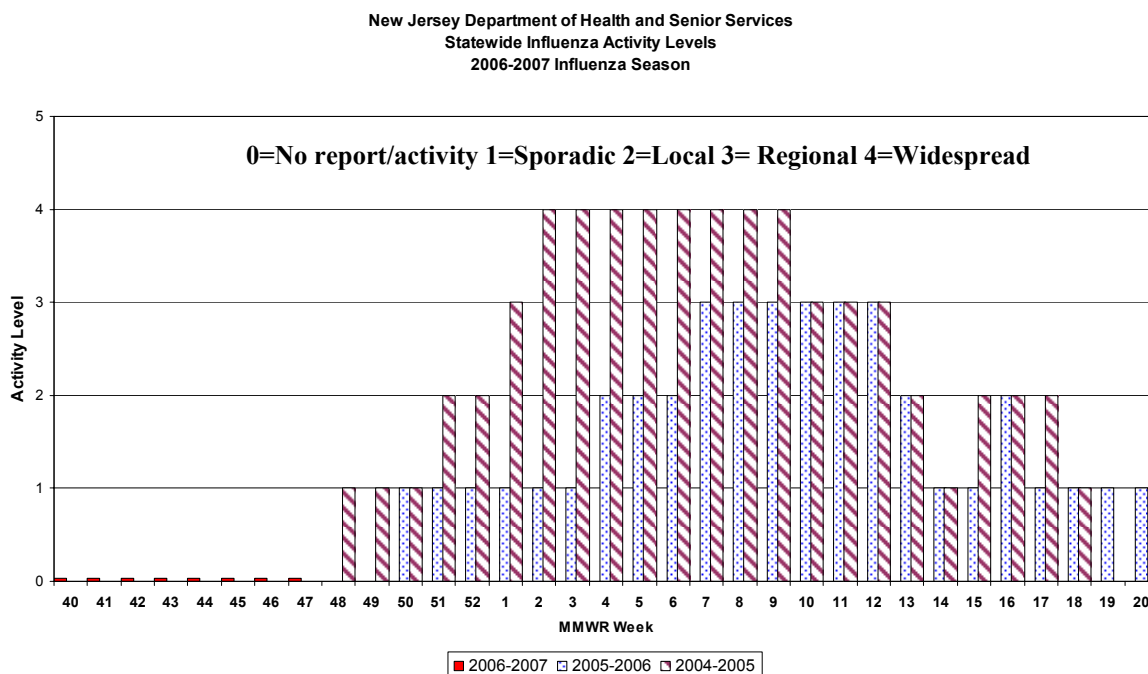
Local – At least 2 of 3 parameters above state baseline in a single county **AND** confirmed laboratory cases from that same county within the previous 3 weeks (other counties may be above baseline without lab confirmed cases) **OR** confirmed outbreaks in 2 or more institutions in a single county

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

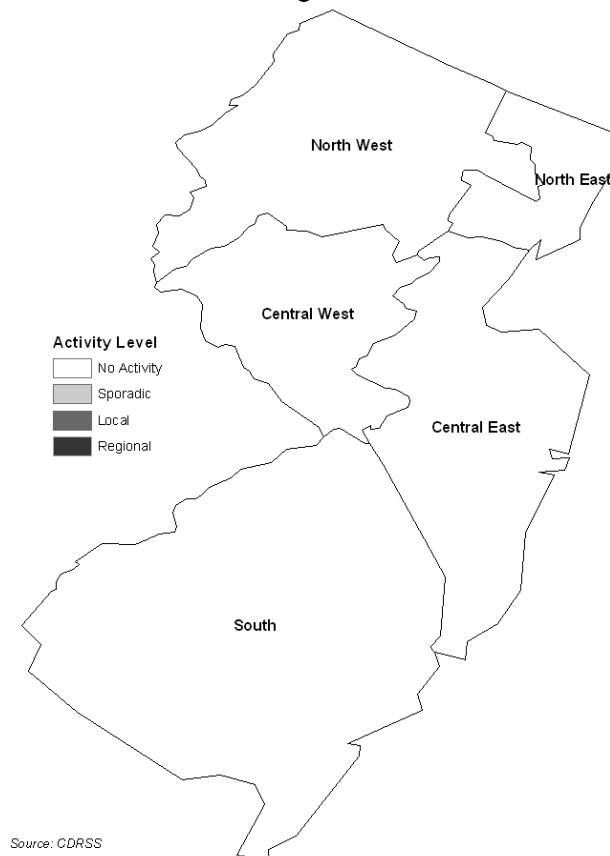
Sporadic – At least 2 of 3 parameters above state baseline **AND** confirmed laboratory cases anywhere in the public health region **OR** at least one laboratory confirmed outbreak in an institution anywhere in the public health region

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



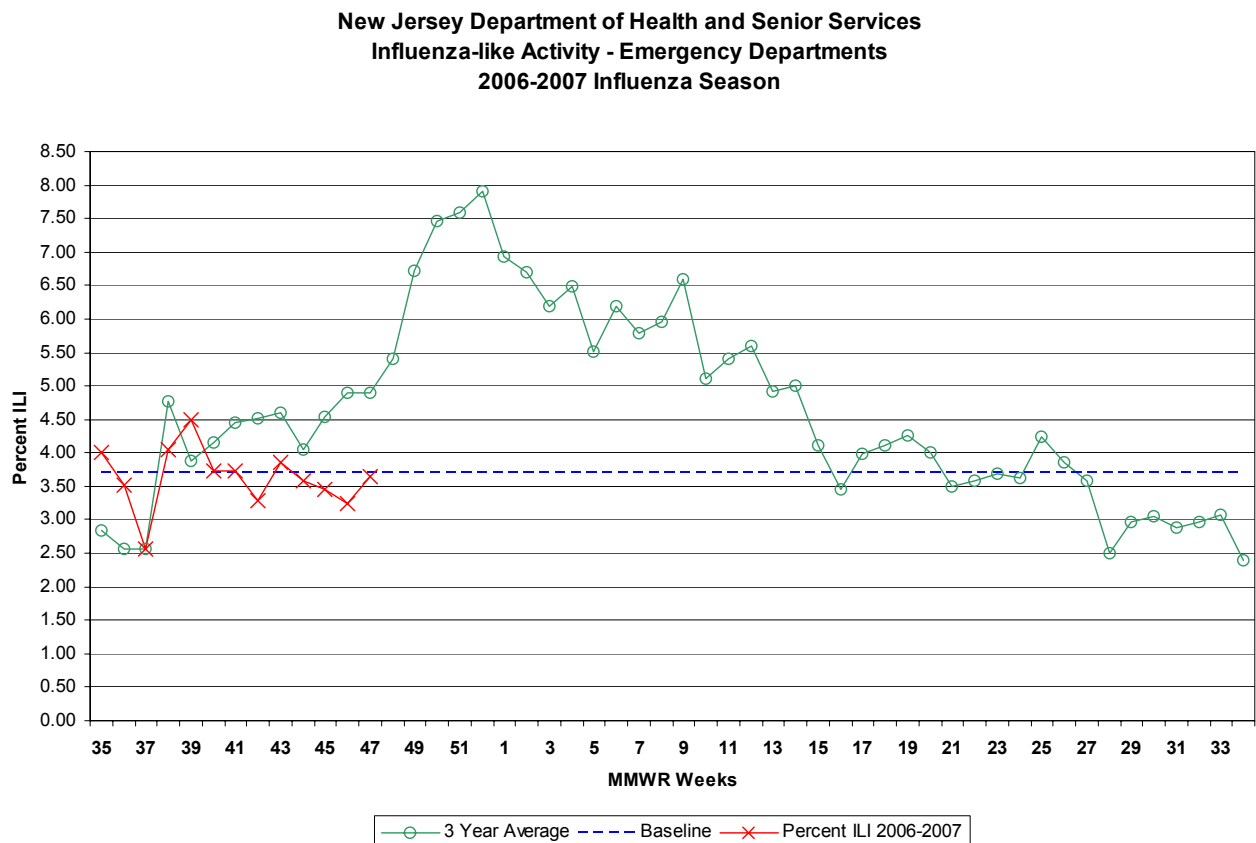
## Laboratory Surveillance

During week 47, Hackensack University Medical Center and NJDHSS PHEL have tested 56 samples for influenza. The total number of samples tested during the 2006-2007 influenza season is 219. One sample from Bergen County was weakly positive via rapid antigen but was found to be negative by viral culture.

## Influenza-like Illness (ILI) Surveillance

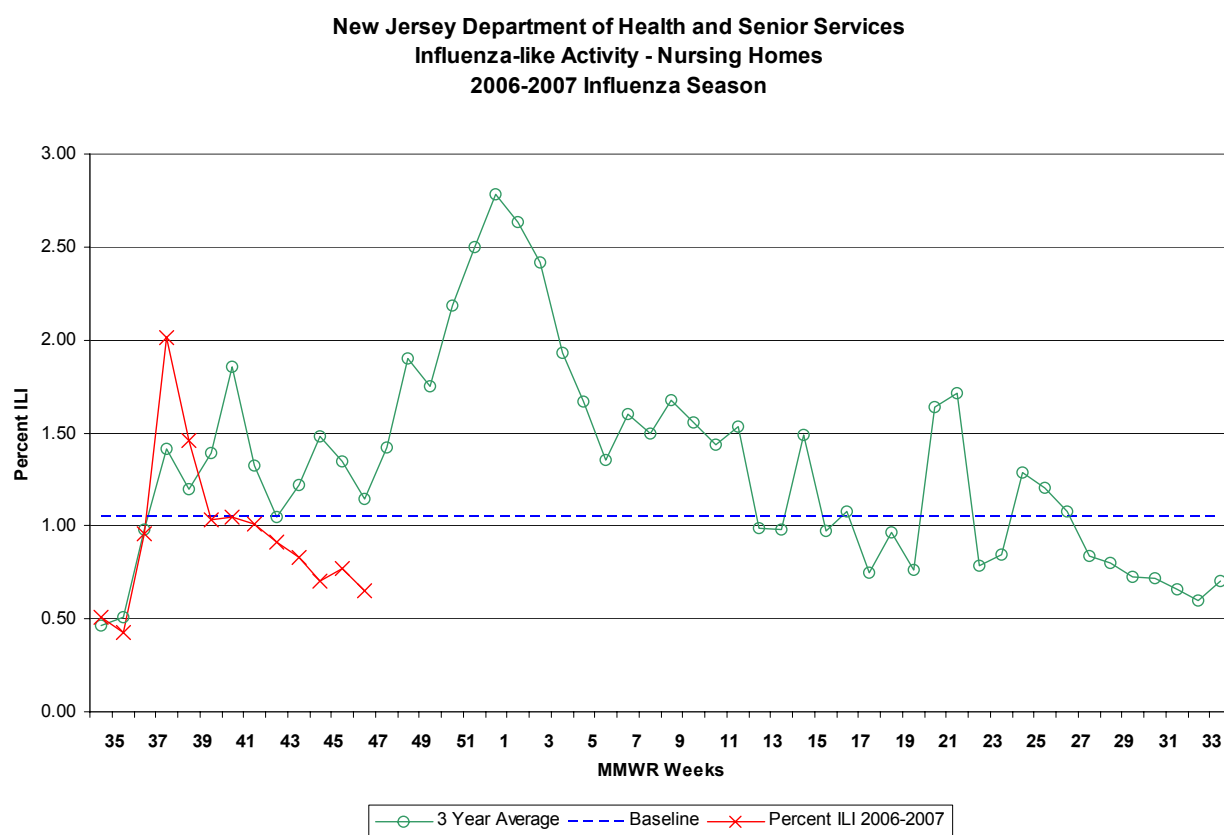
### **Emergency Departments**

During week 47, 3.65% ILI was reported statewide from emergency departments. This is an increase over the previous week (3.25%). The percent ILI for each county ranged from 0.37% to 8.70%. The percent ILI for this same week last year was 5.05% in emergency departments. The percent ILI for the south (3.78%) and the northeast (6.17%) public health regions were above state baseline (3.71%).



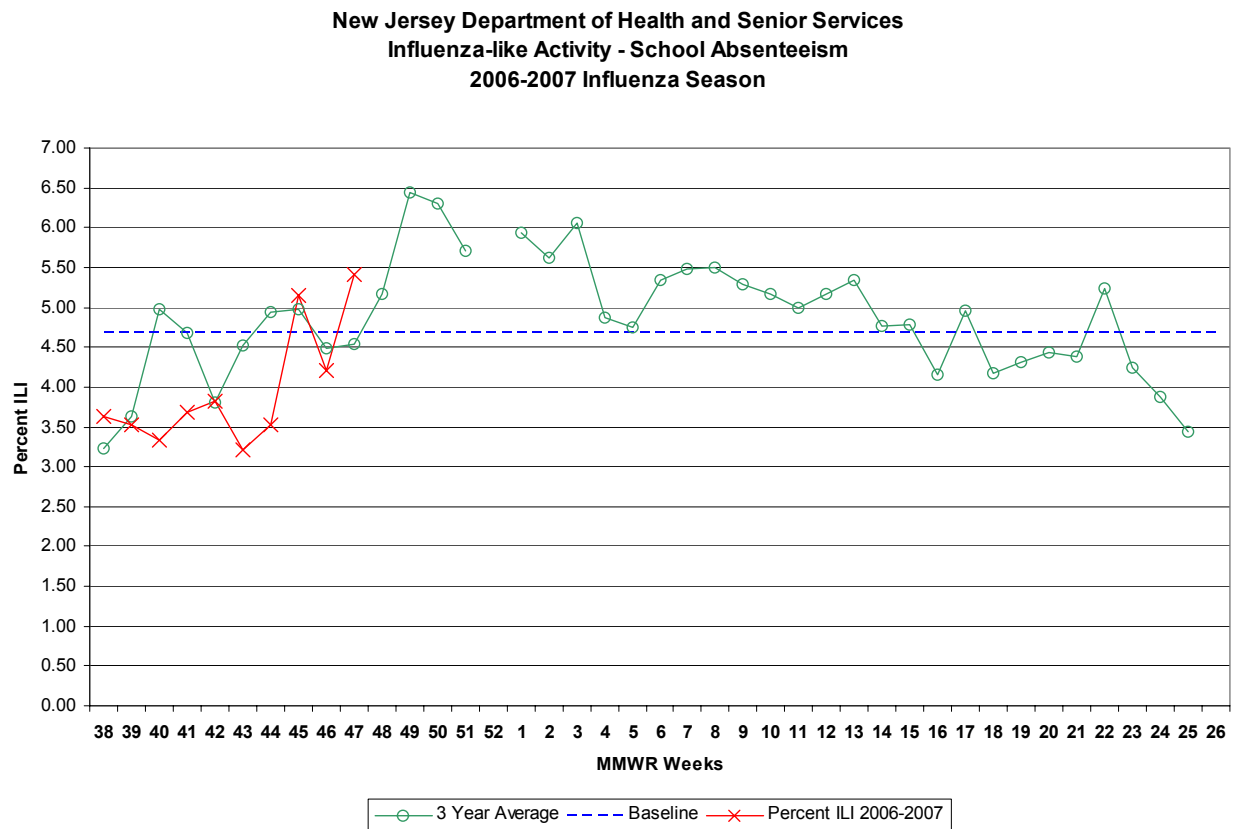
## Long-term Care Facilities

During week 47, 0.65% ILI was reported statewide from long term care facilities. This is a decrease over the previous week (0.77%). The percent ILI for each county ranged from 0.00% to 2.04%. No reports regarding ILI/respiratory outbreaks in communal living facilities were received. The percent ILI for this same week last year was 1.05% in long-term care facilities. The percent ILI for the northeast (1.68%) public health region was above state baseline (1.05%).



## School Absenteeism

During week 47, schools reported 5.42% absenteeism. This is an increase over the previous week (4.21%). The percent ILI for each county ranged from 1.27% to 9.42%. The percent absent for this same week last year was 5.05%. The percent ILI for the northwest (5.93%), the central east (5.53%) and the south (5.89%) public health regions were above state baseline (4.68%).

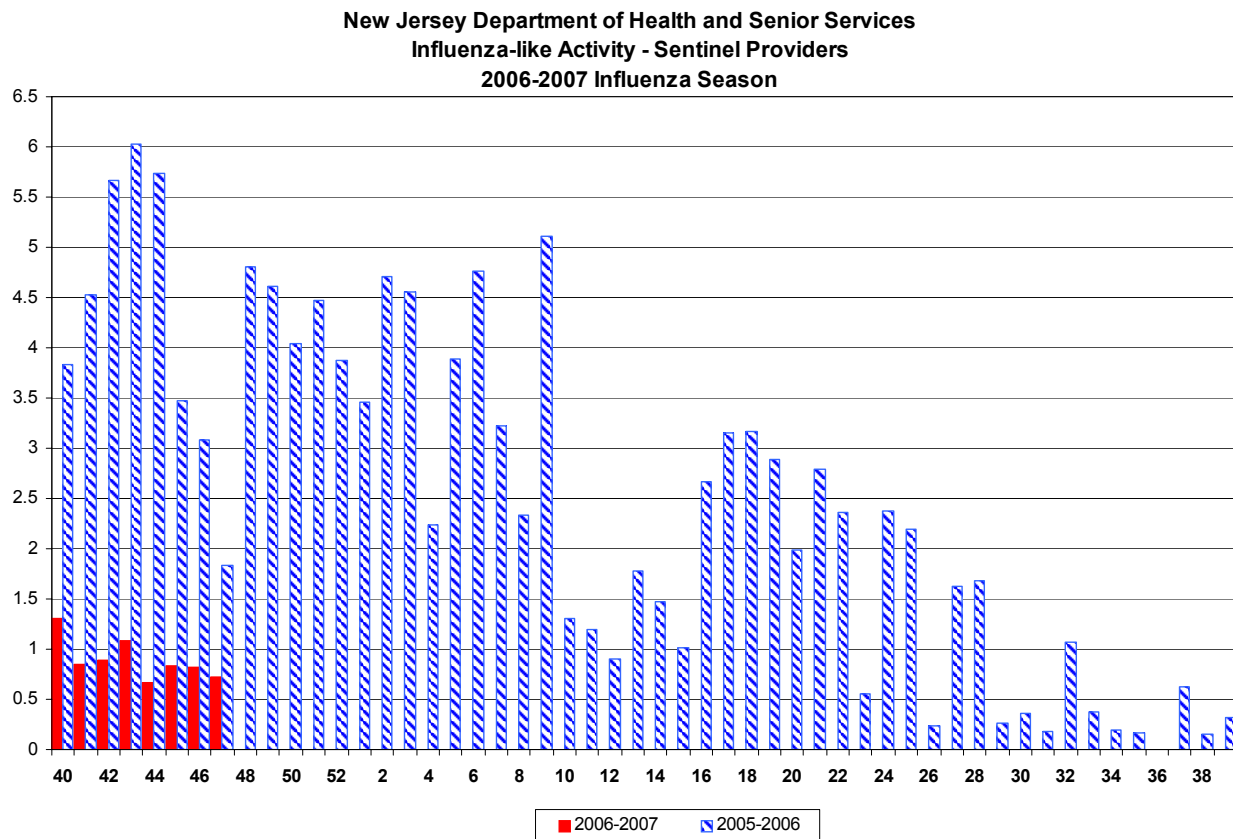


## **Sentinel Provider Surveillance**

During week 47, 0.72% of sentinel provider patient visits were due to ILI. These data reflect reports from five (12%) of the enrolled sentinel providers.

### **UPDATE**

During week 46, 0.76% of sentinel provider patient visits were due to ILI. These data reflect reports from ten (24%) 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.

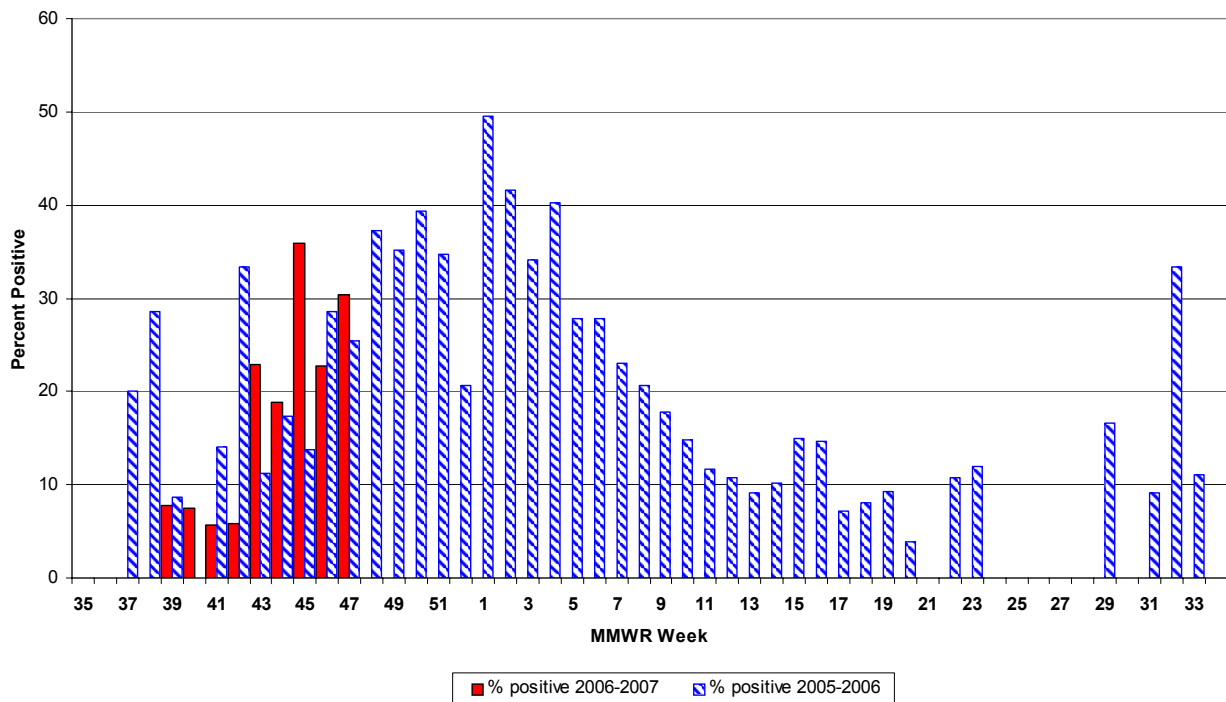
## **122 City Mortality Report**

During week 46, 1.92% 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 (4.97%). The percentage of death due to pneumonia or influenza for this same week last year was 9.28%.

## **RSV Reports**

During week 47, 30.32% of all RSV samples tested were positive. This was a decrease over the previous week 22.68%. The percent of samples positive RSV for this same week last year was 25.37%.

**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	1.05	16	13	7.85	4	4	1.69	3	18
BERGEN	3	0	0.00	11	0	0.00	6	0	0.00	0	0
BURLINGTON	6	1	0.00	94	53	5.30	3	0	0.00	6	12
CAMDEN	7	0	0.00	16	0	0.00	7	0	0.00	0	0
CAPE MAY	4	2	0.00	11	9	5.47	1	1	2.00	0	2
CUMBERLAND	4	2	0.50	10	4	5.46	3	3	6.90	0	7
ESSEX	14	1	1.92	31	7	3.63	11	2	4.43	13	34
GLOUCESTER	2	0	0.00	4	0	0.00	2	0	0.00	0	0
HUDSON	10	1	1.58	75	2	4.48	7	4	6.85	7	13
HUNTERDON	4	3	0.00	8	4	4.44	1	1	1.59	2	5
MERCER	10	7	0.97	12	10	3.10	5	3	1.84	9	31
MIDDLESEX	2	1	2.04	3	1	1.27	5	2	7.33	0	0
MONMOUTH	5	2	1.01	24	16	6.67	5	4	0.37	7	25
MORRIS	11	1	0.00	14	13	2.35	4	3	0.56	4	10
OCEAN	8	1	0.00	7	4	9.42	4	3	3.05	0	0
PASSAIC	8	3	0.96	22	8	5.28	6	2	4.47	0	0
SALEM	4	3	0.00	5	0	0.00	1	1	8.70	0	0
SOMERSET	5	1	0.78	52	19	4.40	2	0	0.00	0	0
SUSSEX	4	3	0.40	19	14	7.08	2	2	6.25	2	10
UNION	4	2	0.45	78	37	4.77	5	5	4.95	4	15
UNKNOWN	0	0	0.00	0	0	0.00	0	0	0.00	0	0
WARREN	7	5	0.46	22	21	7.66	2	2	5.76	0	6
<b>NW Region</b>	30	12	0.57	77	56	5.93	14	9	3.28	6	26
<b>NE Region</b>	27	2	1.68	117	9	3.85	24	6	6.17	20	47
<b>CW Region</b>	19	11	0.69	72	33	3.94	8	4	1.79	11	36
<b>CE Region</b>	19	6	0.67	112	58	5.53	19	14	3.27	11	40
<b>South Region</b>	32	10	0.47	156	79	5.89	21	9	3.78	9	39
<b>State Total</b>	127	41	0.65	534	235	5.42	86	42	3.65	57	188