

New Jersey Department of Health and Senior Services
Communicable Disease Service
Influenza Activity Summary
Week Ending October 6, 2007 (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 within previous 3 weeks **OR** at least one laboratory confirmed outbreak in an institution anywhere in the state

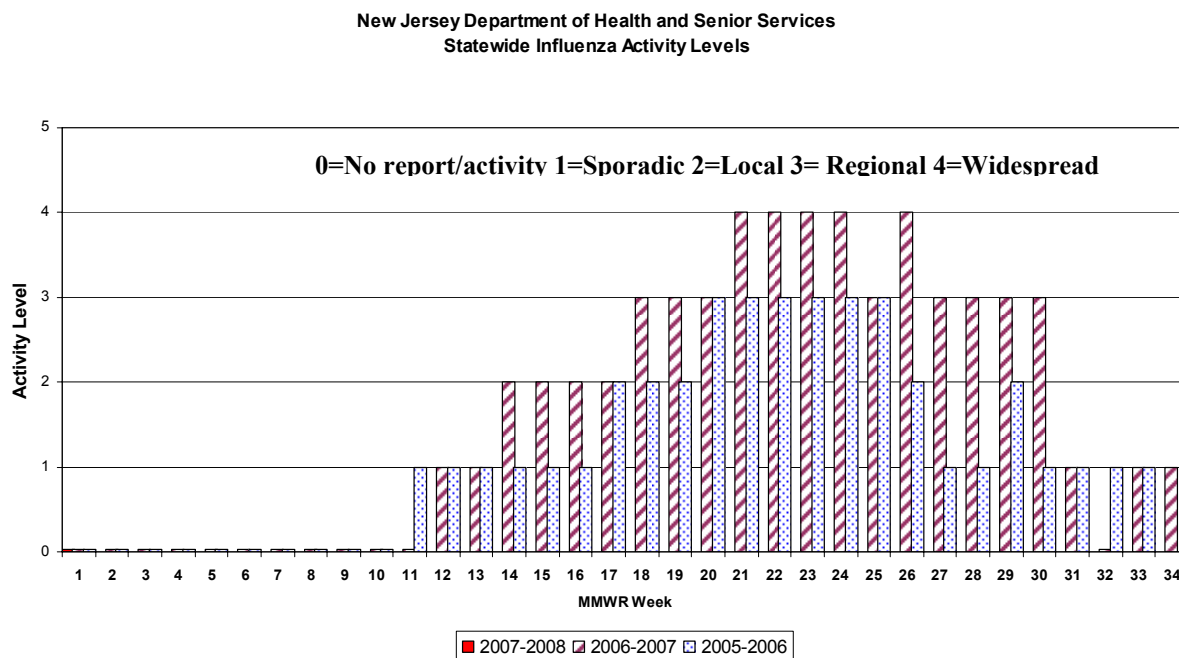
Local – At least 2 of 3 parameters above state baseline in a single county **AND** confirmed laboratory cases from that same county within the previous 3 weeks (other counties may be above baseline without lab confirmed cases) **OR** confirmed outbreaks in 2 or more institutions in a single county

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

NO ACTIVITY- ALL REGIONS

NOTE: In 2 counties in the NW and CW public health regions, laboratory confirmed influenza cases were reported in the past 3 weeks. No other laboratory confirmed influenza cases were received from any other counties.

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)

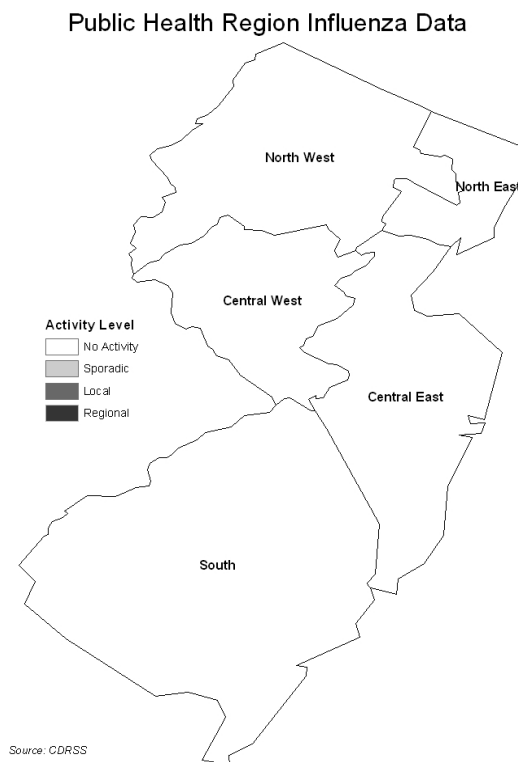
No Activity- At least 2 of 3 parameters at or below state baseline **AND** no lab confirmed cases in the public health region

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

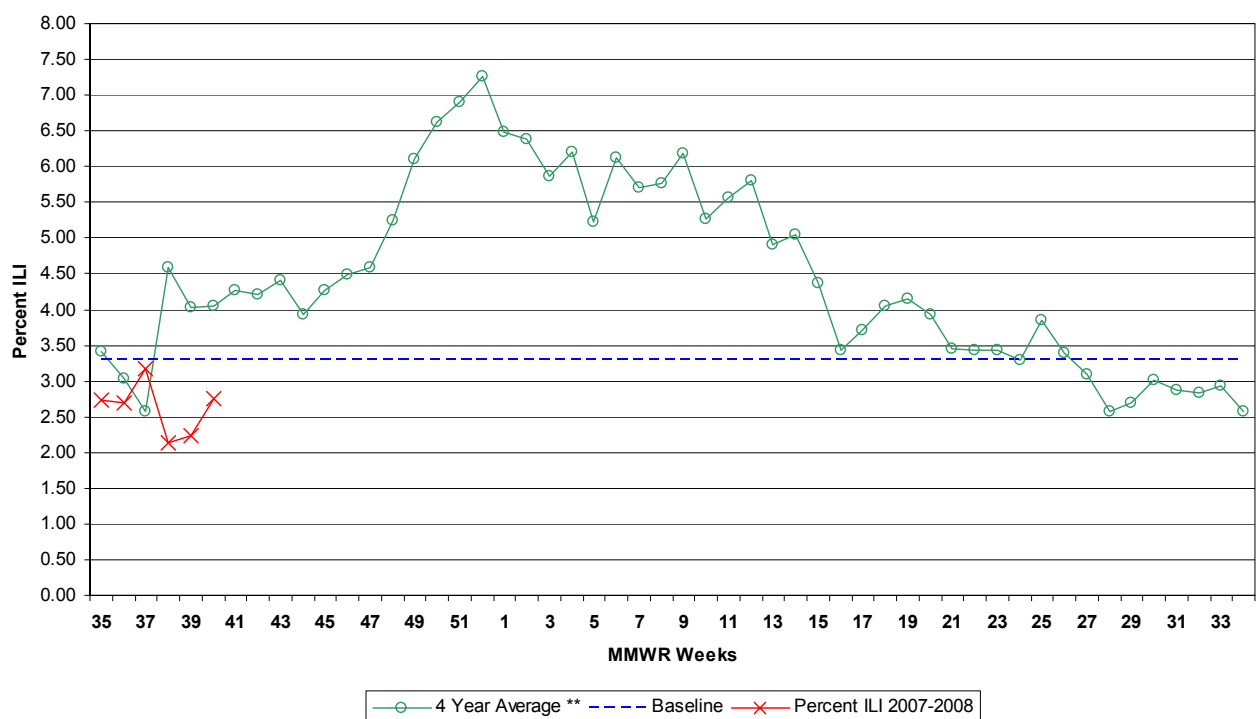
To date, only one specimen has been submitted to the New Jersey Public Health and Environmental Health Laboratories and it was negative by culture for influenza.

Influenza-like Illness (ILI) Surveillance*

Emergency Departments

During week 40, 2.75% ILI was reported statewide from emergency departments. This is a decrease over the previous week (2.23%). The percent ILI for each county ranged from 0.00 to 11.11%. The percent ILI for this same week last year was 3.73% in emergency departments. The percent ILI for the northeast (4.61%) public health region was above state baseline (3.30%).

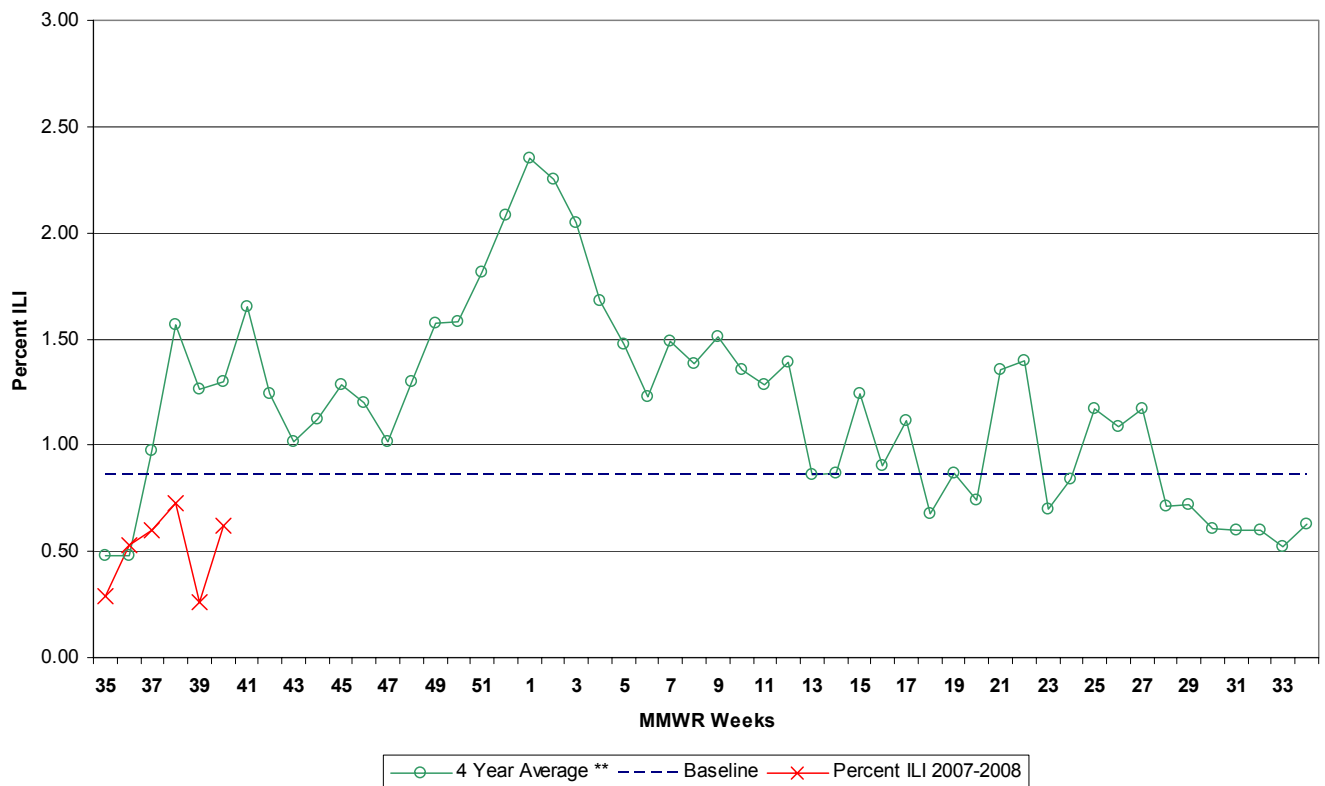
**New Jersey Department of Health and Senior Services
Influenza-like Activity - Emergency Departments**



Long-term Care Facilities

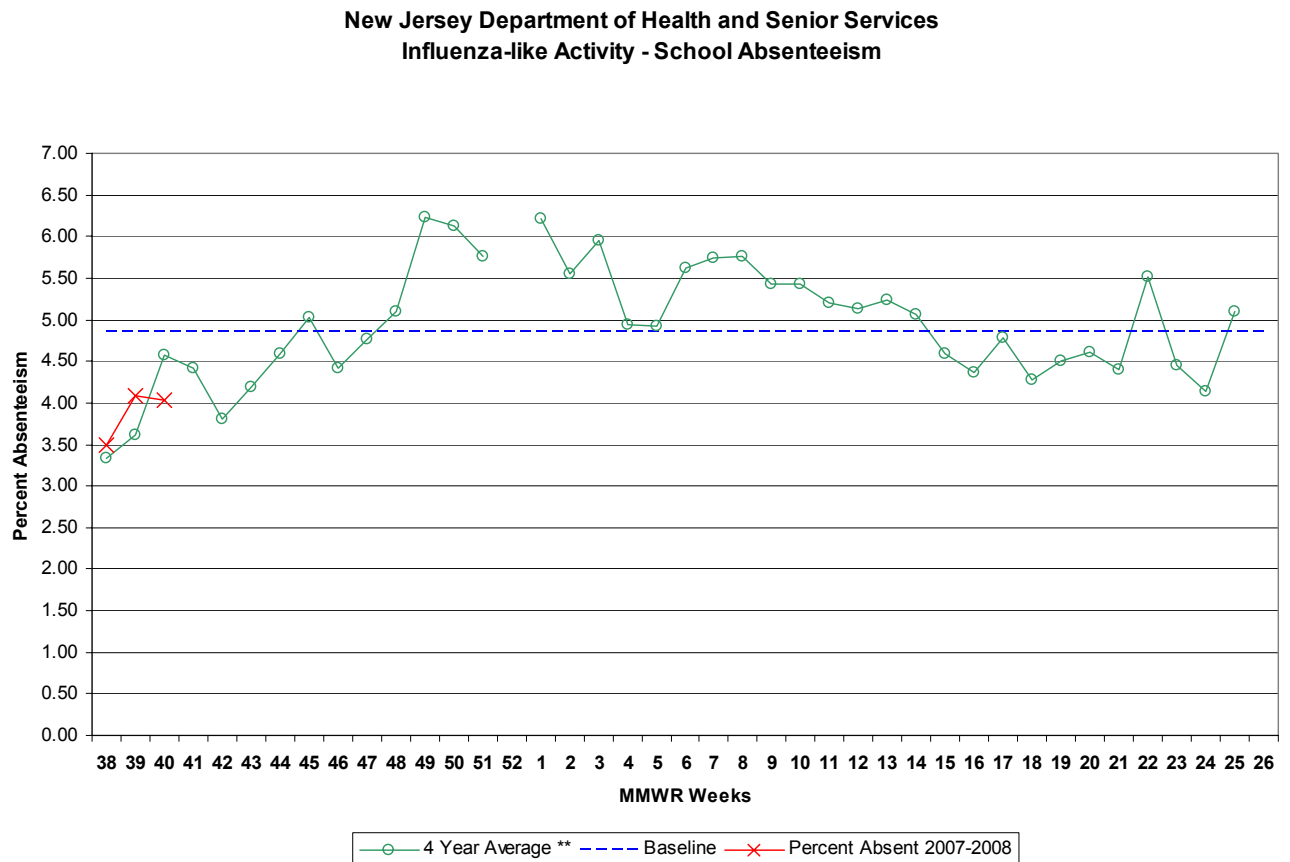
During week 40, 0.62% ILI was reported statewide from long term care facilities. This is an increase over the previous week (0.26%). The percent ILI for each county ranged from 0.00% to 4.00%. The percent ILI for this same week last year was 1.03% in long-term care facilities. The percent ILI for the northwest (0.80%) and northeast (1.89%) public health regions were above state baseline (0.86%). No report regarding ILI/respiratory outbreaks in communal living facilities were received in week 40.

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



School Absenteeism

During week 40, schools reported 4.03% absenteeism. This is a decrease over the previous week (4.08%). The percent ILI for each county ranged from 1.52– 8.40%. The percent absent for this same week last year was 3.33%. The percent ILI was not above state baseline (4.85%) for any public health region.

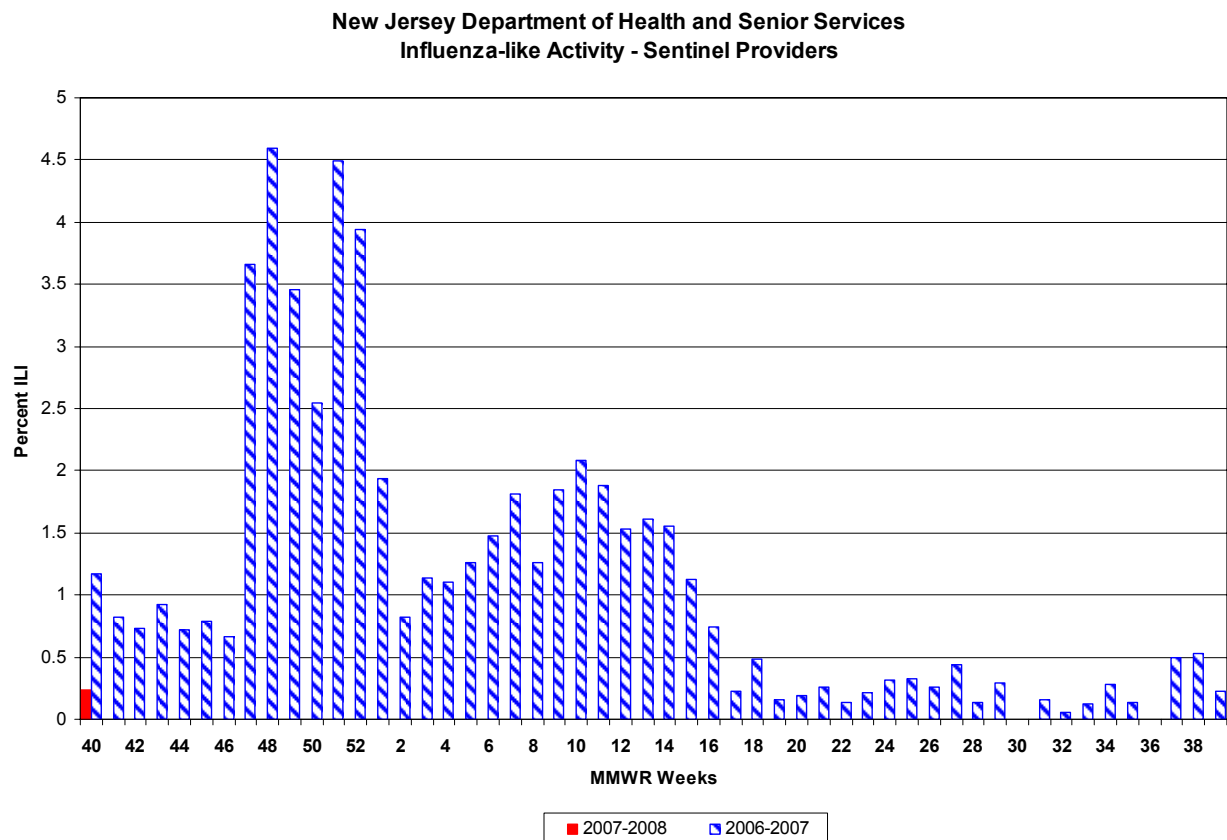


Sentinel Provider Surveillance

(Number of enrolled providers 2007-2008 season = 39 Number of enrolled providers 2006-2007 season = 45)

During week 40, 0.24% of sentinel provider patient visits were due to ILI. These data reflect reports from six (15%) of the enrolled sentinel providers.

During week 39, 0.23% of sentinel provider patient visits were due to ILI. These data reflect reports from seven (15%) of the enrolled sentinel providers.



Pediatric Influenza Surveillance

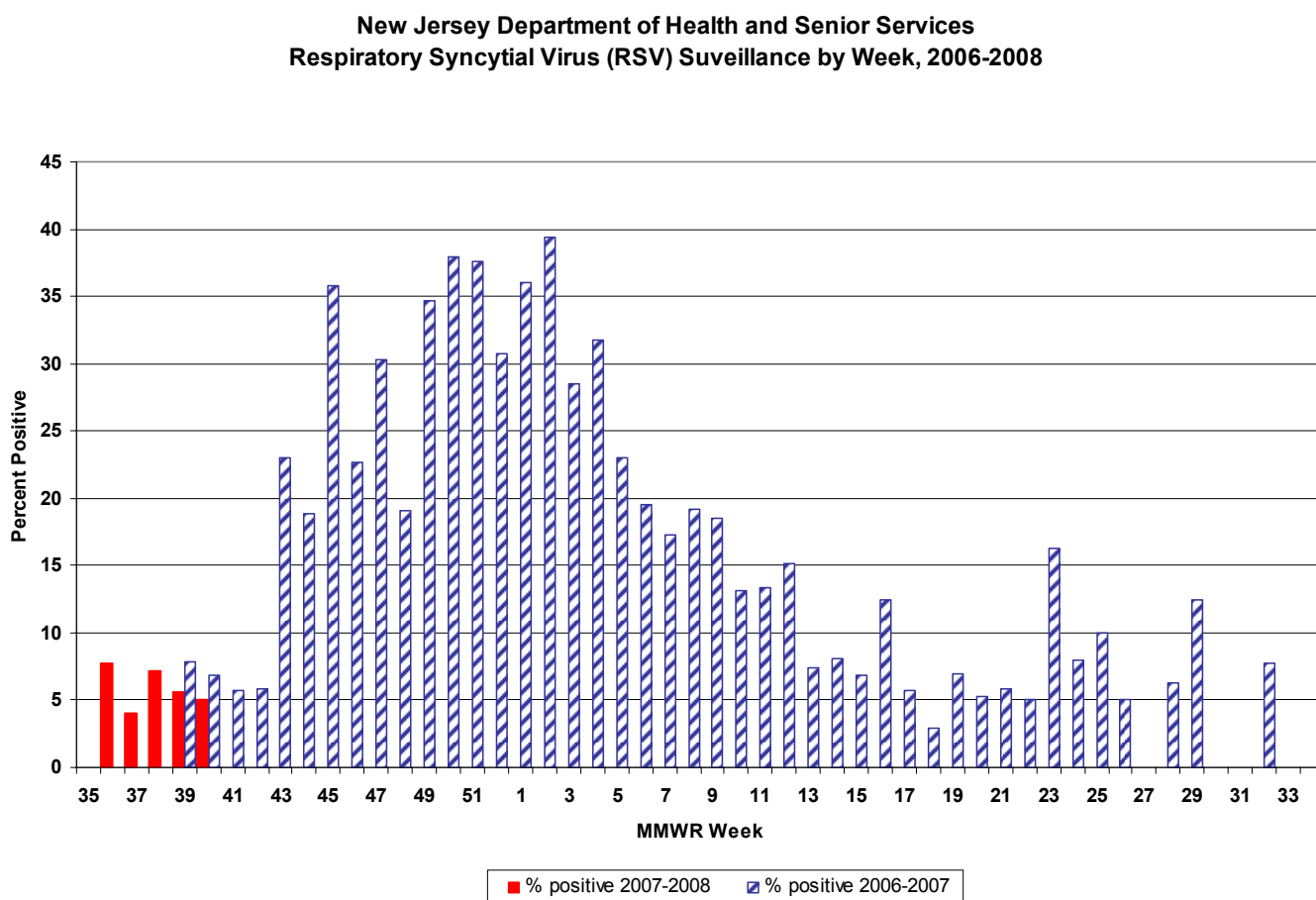
To date, NJDHSS has not received any reports of pediatric illness.

122 City Mortality Report

During week 40, 3.59% 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 a decrease over the previous week (3.59%). The percentage of death due to pneumonia or influenza for this same week last year was 2.78%.

RSV Reports

During week 40, 5.04% of all RSV samples tested were positive. This was a decrease over the previous week 5.56%. The percent of samples positive RSV for this same week last year was 6.85%.



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 5 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.

**Four year average is an average of the 2003-2004, 2004-2005, 2005-2006 and 2006-2007 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	1	0.58	16	11	8.40	4	3	0.00	1	13
BERGEN	3	0	0.00	14	0	0.00	6	0	0.00	1	27
BURLINGTON	6	3	0.00	104	53	3.59	3	3	0.82	0	13
CAMDEN	7	3	0.23	17	1	2.49	7	5	2.08	0	0
CAPE MAY	4	4	0.00	11	11	4.25	1	1	11.11	0	0
CUMBERLAND	4	2	1.31	17	10	5.83	3	3	3.69	0	0
ESSEX	14	3	2.33	30	2	1.52	11	7	4.97	3	51
GLOUCESTER	2	1	0.00	4	0	0.00	2	2	0.85	1	3
HUDSON	10	2	1.59	76	53	4.71	8	3	1.69	0	1
HUNTERDON	4	4	0.44	8	8	2.38	1	1	0.96	0	4
MERCER	10	4	0.29	16	13	2.73	5	4	2.59	0	0
MIDDLESEX	2	1	4.00	52	20	4.01	5	1	7.97	0	8
MONMOUTH	6	1	1.08	25	15	4.57	5	4	0.64	0	4
MORRIS	11	0	0.00	14	0	0.00	4	0	0.00	0	0
OCEAN	6	1	0.00	27	9	3.21	4	3	1.80	0	1
PASSAIC	8	1	0.00	22	4	3.65	6	2	2.96	0	0
SALEM	4	2	0.00	5	0	0.00	1	1	0.00	0	0
SOMERSET	5	2	0.00	54	14	2.61	2	0	0.00	1	3
SUSSEX	5	5	0.74	19	19	3.56	2	2	3.23	0	3
UNION	4	1	0.00	117	26	3.19	5	4	3.56	0	8
UNKNOWN	0	0	0.00	1	0	0.00	0	0	0.00	0	0
WARREN	7	2	1.55	21	17	4.74	2	0	0.00	0	0
NW Region	31	8	0.80	76	40	3.93	14	4	3.03	0	3
NE Region	27	5	1.89	120	55	4.67	25	10	4.61	4	79
CW Region	19	10	0.28	78	35	2.61	8	5	2.29	1	7
CE Region	18	4	0.59	221	70	3.77	19	12	2.63	0	21
South Region	32	16	0.32	174	86	4.51	21	18	1.89	2	29
State Total	127	43	0.62	669	286	4.03	87	49	2.75	7	139