

New Jersey Department of Health and Senior Services
Communicable Disease Service
Influenza Activity Summary
Week Ending November 3, 2007 (MMWR Week 44)

Influenza activity level: SPORADIC

NOTE: Two of three reporting parameter were above baseline in the northeast and central east regions. Positive rapid antigen test results were also reported from the northeast region and positive culture results were reported from the central east region.

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

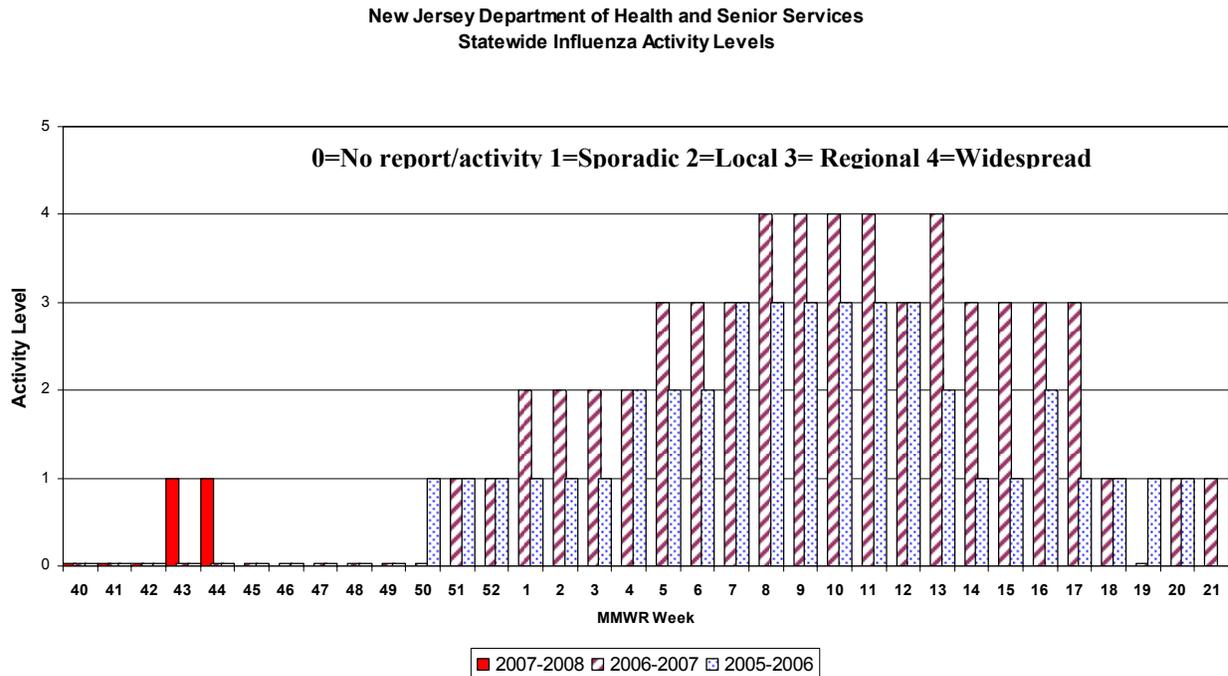
Local – At least 2 or 3 parameters above state baseline in a single county **AND** confirmed laboratory cases from that same county within the previous 3 weeks (other counties may be above baseline without lab confirmed cases) **OR** confirmed outbreaks in 2 or more institutions in a single county

Regional – At least 2 of 3 parameters above state baseline in ≥ 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

SPORADIC ACTIVITY – CE
NO ACTIVITY- NW, NE,CW, South

NOTE: No culture confirmed influenza cases were received from any 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)

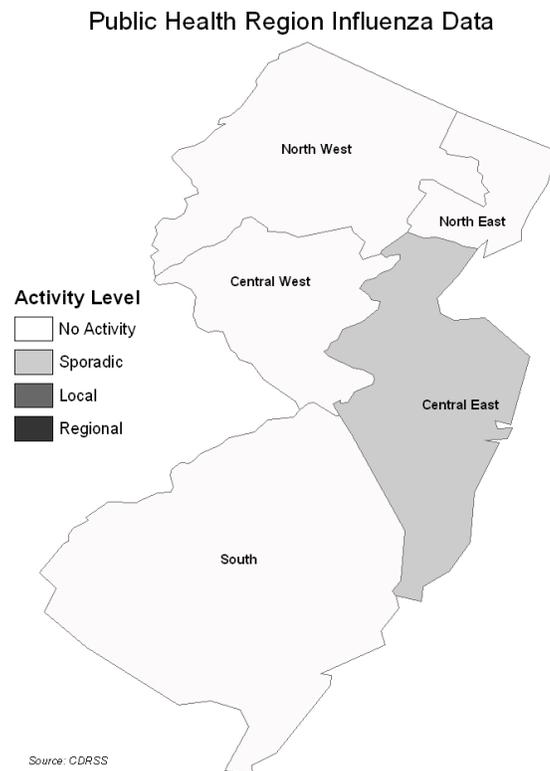
No Activity- At least 2 of 3 parameters at or below state baseline **AND** no lab confirmed cases in the public health region

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

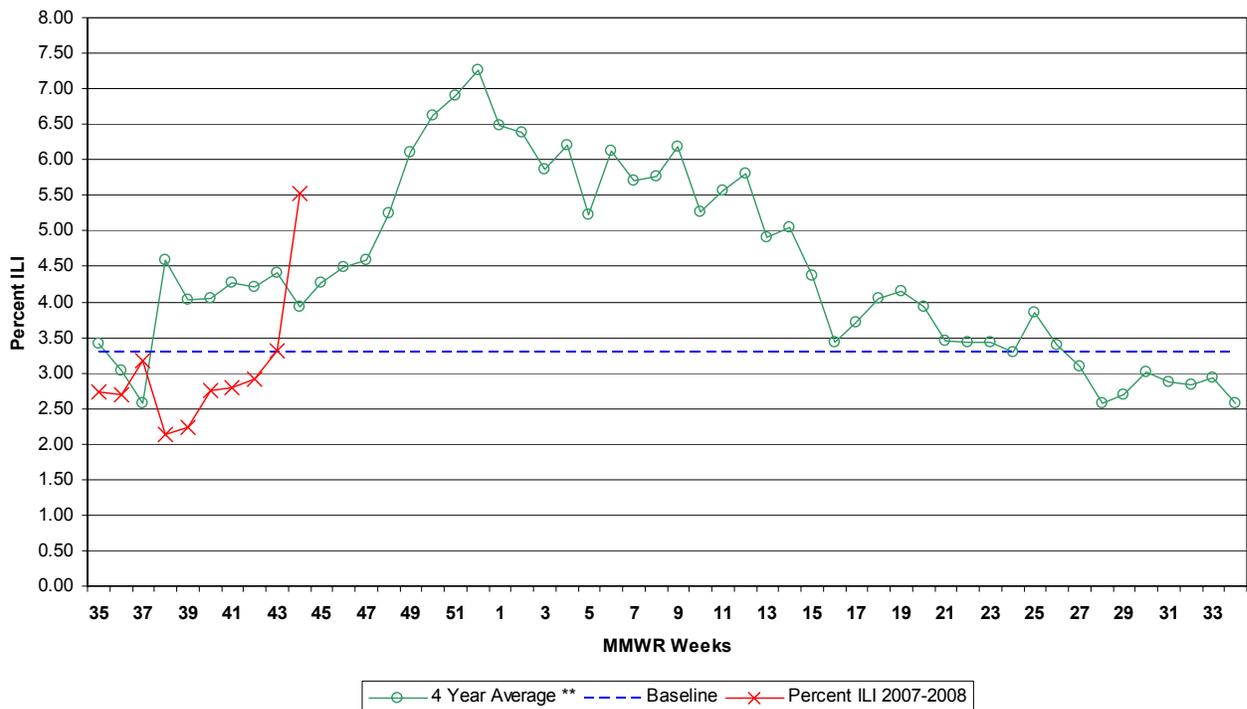
In week 44, one specimen from Middlesex county has been found to be positive by culture for influenza B. Positive results from influenza rapid antigen tests have also been reported from Essex county for week 44.

Influenza-like Illness (ILI) Surveillance*

Emergency Departments

During week 44, 5.53% ILI was reported statewide from emergency departments. This is an increase over the previous week (3.32%). The percent ILI for each county ranged from 0.00 to 20.67%. The percent ILI for this same week last year was 3.58% in emergency departments. The percent ILI for the northwest (3.77%), northeast (9.58%), central west (7.18%), central east (3.55%) and south (6.11%) public health regions were above state baseline (3.30%).

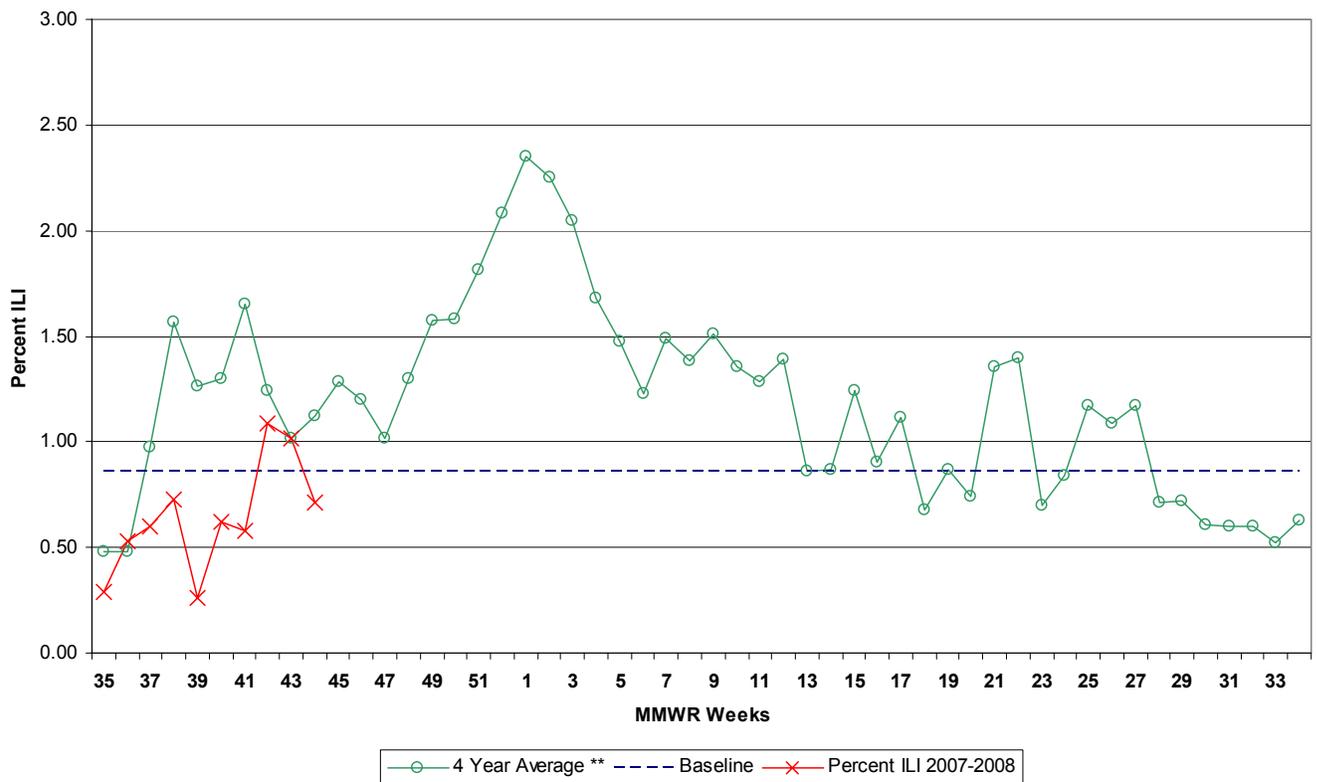
New Jersey Department of Health and Senior Services
Influenza-like Activity - Emergency Departments



Long-term Care Facilities

During week 44, 0.71% ILI was reported statewide from long term care facilities. This is a decrease over the previous week (1.02%). The percent ILI for each county ranged from 0.00% to 3.47%. The percent ILI for this same week last year was 0.83% in long-term care facilities. The percent ILI for the northeast (3.33%) and south (1.10%) public health regions were above state baseline (0.86%). No report regarding ILI/respiratory outbreaks in communal living facilities were received in week 44.

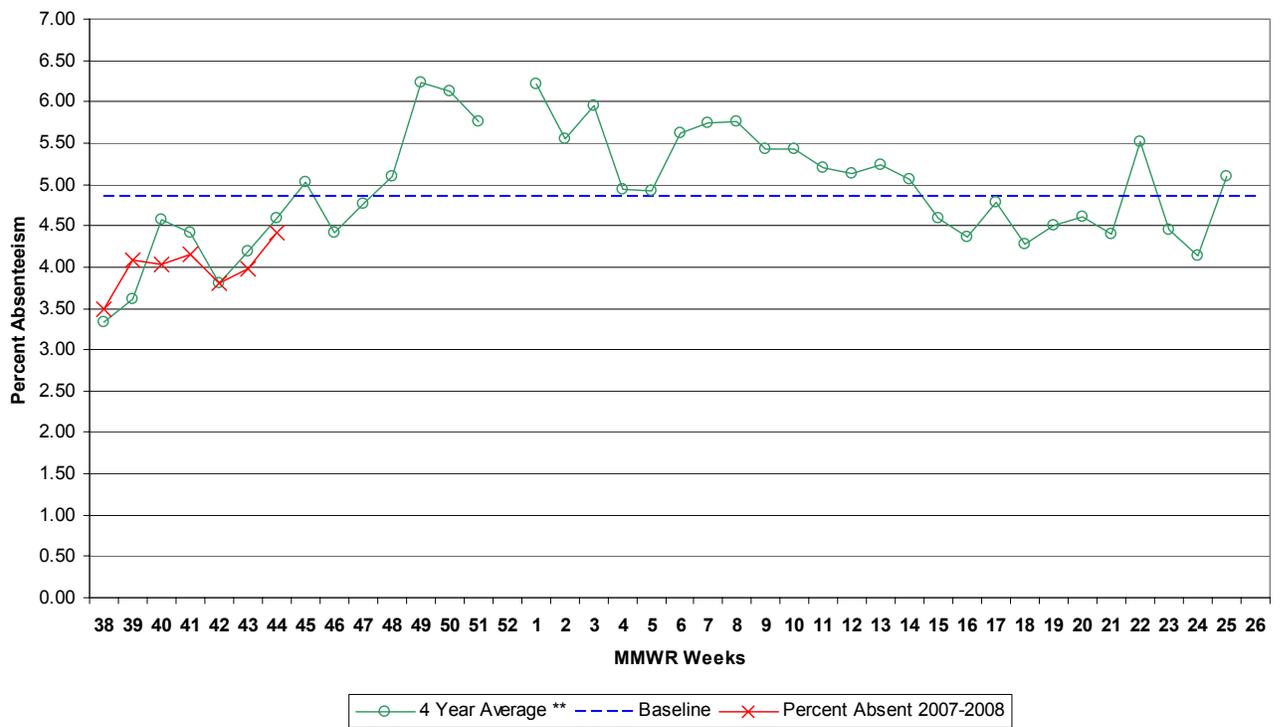
New Jersey Department of Health and Senior Services Influenza-like Activity - Long Term Care Facilities



School Absenteeism

During week 44, schools reported 4.41% absenteeism. This is an increase over the previous week (3.98%). The percent ILI for each county ranged from 1.34 – 8.90%. The percent absent for this same week last year was 3.53%. The percent ILI for the south (5.33%) public health region was above state baseline (4.85%).

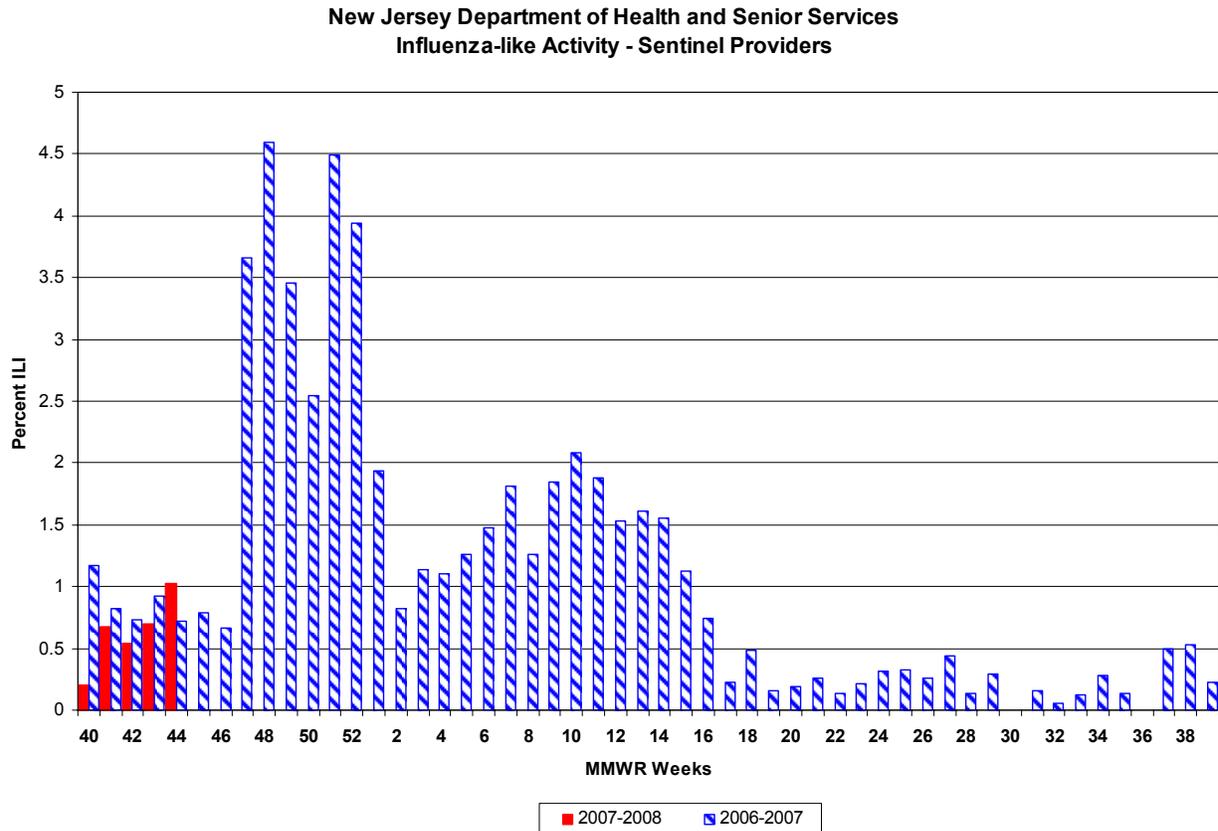
New Jersey Department of Health and Senior Services
Influenza-like Activity - School Absenteeism



Sentinel Provider Surveillance

During week 44, 1.03% of sentinel provider patient visits were due to ILI. These data reflect reports from five (13%) of the enrolled sentinel providers.

During week 43, 0.70% of sentinel provider patient visits were due to ILI. These data reflect reports from six (15%) of the enrolled sentinel providers.



Pediatric Influenza Surveillance

To date, NJDHSS has not received any reports of pediatric illness meeting the case definition.

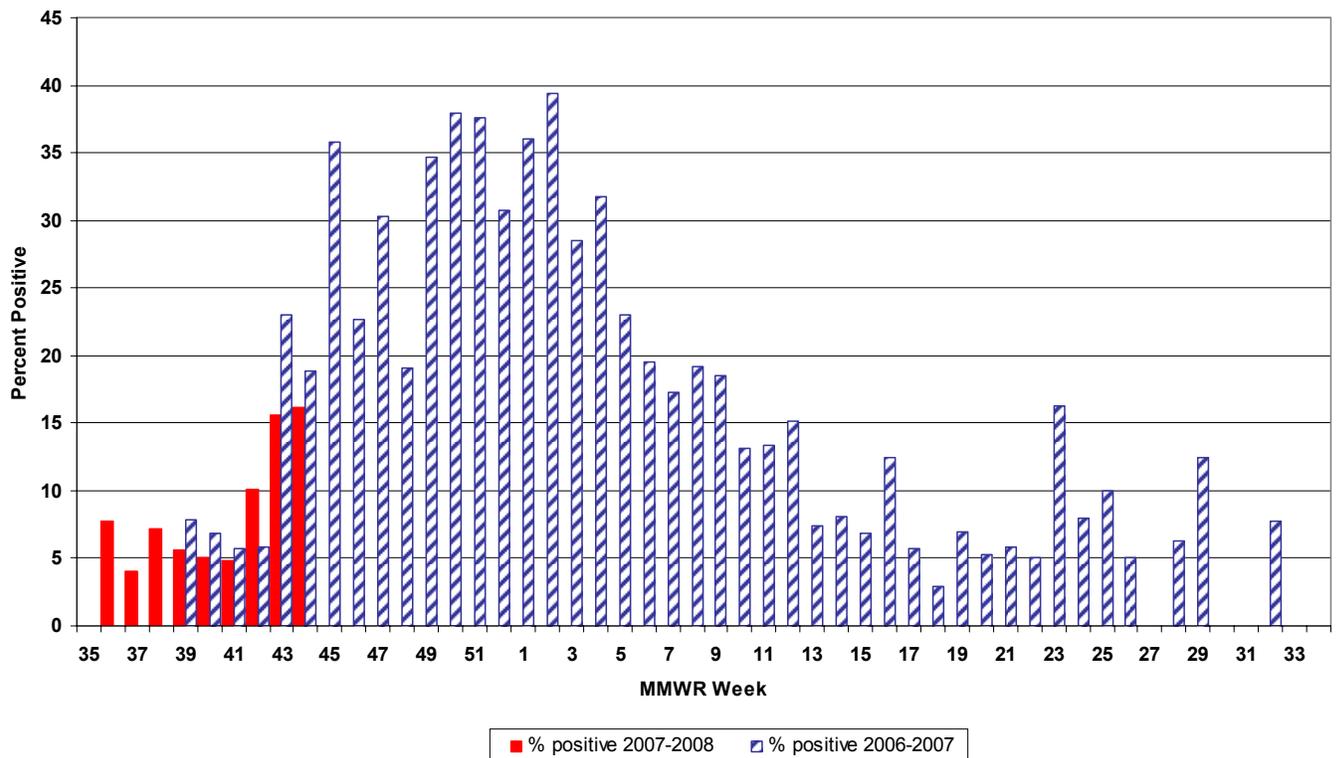
122 City Mortality Report

During week 43, 6.21% 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 an increase over the previous week (2.07%). The percentage of death due to pneumonia or influenza for this same week last year was 3.66%.

RSV Reports

During week 44, 16.18% of all RSV samples tested were positive. This was an increase over the previous week 15.57%. The percent of samples positive for RSV for this same week last year was 18.88%.

**New Jersey Department of Health and Senior Services
Respiratory Syncytial Virus (RSV) Surveillance by Week, 2006-2008**



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 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.



County	Long Term Care			Schools			Hospital Emergency Department			RSV Tests	
	# Enrolled	# Reports Rec'd	% ILI	# Enrolled	# Reports Rec'd	% Absent	# Enrolled	# Reports Rec'd	% ILI	# Positive	Total Tests Performed
ATLANTIC	5	2	1.35	17	14	8.90	4	4	0.00	0	19
BERGEN	3	0	0.00	14	0	0.00	6	0	0.00	0	0
BURLINGTON	6	3	0.00	104	51	4.33	3	0	0.00	0	0
CAMDEN	7	0	0.00	17	0	0.00	7	0	0.00	0	0
CAPE MAY	4	2	0.45	11	9	4.45	1	1	6.12	0	2
CUMBERLAND	4	2	1.55	18	10	6.18	3	3	7.14	0	12
ESSEX	14	1	3.33	31	2	1.50	11	5	9.58	2	24
GLOUCESTER	2	2	3.47	6	2	3.08	2	1	20.67	1	4
HUDSON	10	0	0.00	86	65	4.78	8	0	0.00	14	62
HUNTERDON	4	4	0.88	8	7	2.89	1	1	0.00	0	2
MERCER	10	5	0.00	21	17	3.39	5	4	8.61	4	13
MIDDLESEX	2	1	2.04	46	17	4.05	5	1	7.53	1	9
MONMOUTH	6	2	0.00	25	2	3.32	5	3	0.62	2	14
MORRIS	11	1	0.00	14	10	1.34	4	1	0.00	0	0
OCEAN	6	0	0.00	27	11	4.10	4	2	3.51	0	0
PASSAIC	8	3	0.33	22	6	8.01	6	1	3.76	0	0
SALEM	4	1	2.07	5	0	0.00	1	1	0.00	0	0
SOMERSET	5	2	0.00	61	25	2.49	2	0	0.00	1	3
SUSSEX	5	5	1.21	22	22	4.64	2	2	3.39	0	4
UNION	4	2	0.22	117	39	4.12	5	4	5.16	3	5
UNKNOWN	0	0	0.00	1	1	6.67	0	0	0.00	0	0
WARREN	7	5	0.00	21	18	4.09	2	2	9.15	0	0
NW Region	31	14	0.67	79	56	4.56	14	6	3.77	0	4
NE Region	27	1	3.33	131	67	4.73	25	5	9.58	16	86
CW Region	19	11	0.32	90	49	2.90	8	5	7.18	5	18
CE Region	18	5	0.27	215	69	4.05	19	10	3.55	6	28
South Region	32	12	1.10	178	86	5.33	21	10	6.11	1	37
State Total	127	43	0.71	693	327	4.41	87	36	5.53	28	173