

New Jersey Department of Health and Senior Services
Communicable Disease Service
Influenza Activity Summary
Week Ending December 9, 2006 (MMWR Week 49)

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

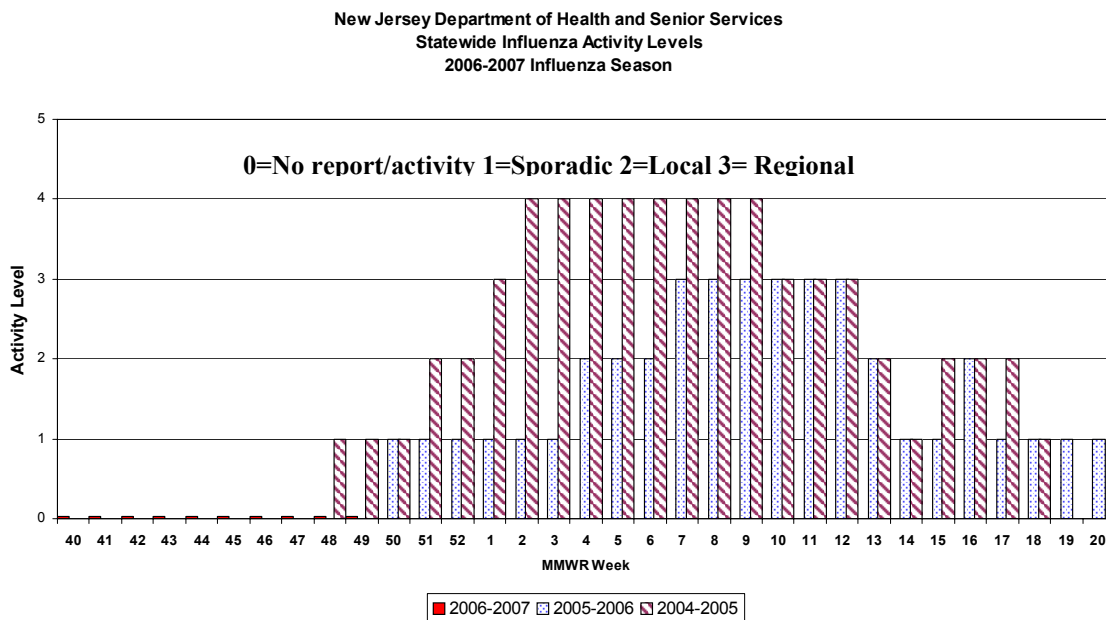
Local – At least 2 of 3 parameters above state baseline in a single county **AND** confirmed laboratory cases from that same county within the previous 3 weeks (other counties may be above baseline without lab confirmed cases) **OR** confirmed outbreaks in 2 or more institutions in a single county

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

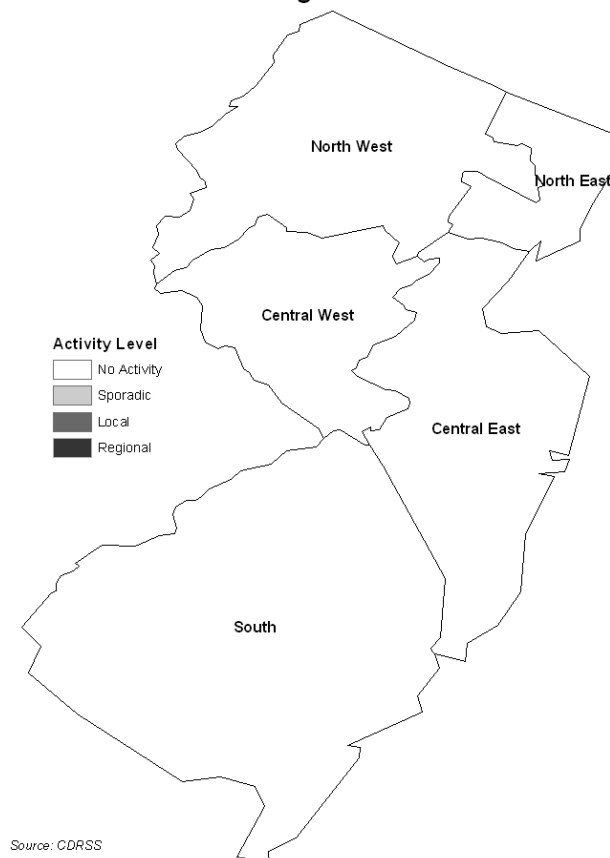
Sporadic – At least 2 of 3 parameters above state baseline **AND** confirmed laboratory cases anywhere in the public health region **OR** at least one laboratory confirmed outbreak in an institution anywhere in the public health region

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



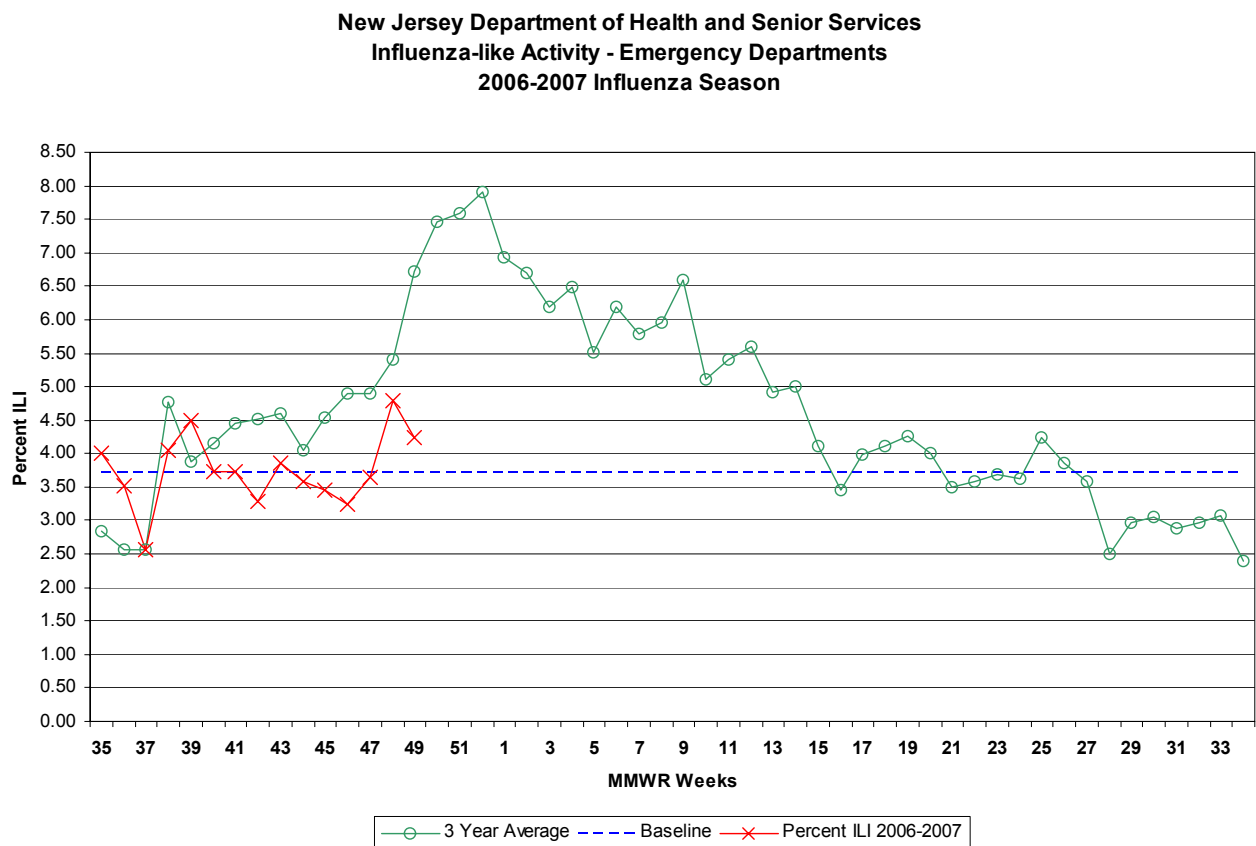
Laboratory Surveillance

As of week 49, Hackensack University Medical Center and NJDHSS PHEL have tested 273 samples for influenza. None of these samples were found to be positive for influenza.

Influenza-like Illness (ILI) Surveillance

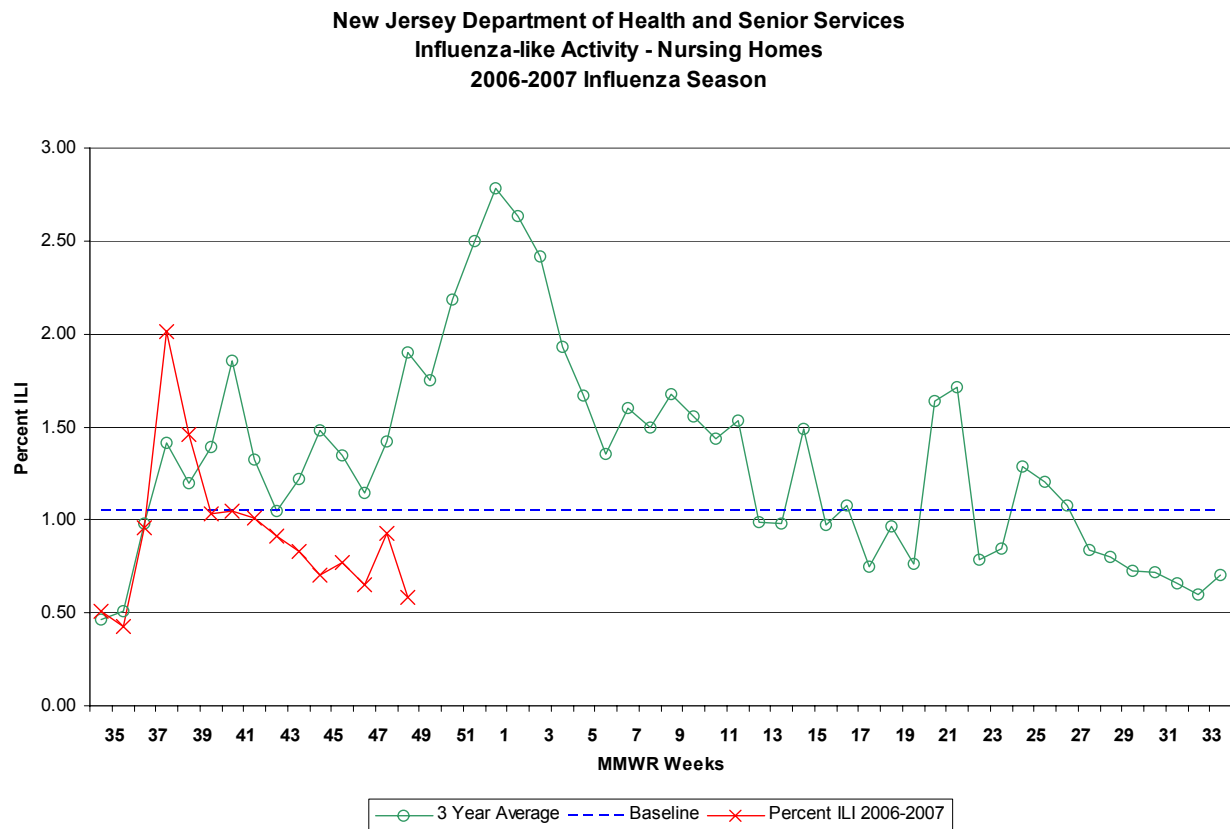
Emergency Departments

During week 49, 4.25% ILI was reported statewide from emergency departments. This is a decrease over the previous week (4.78%). The percent ILI for each county ranged from 0.00% to 16.11%. The percent ILI for this same week last year was 4.50% in emergency departments. The percent ILI for the northeast (6.60%), central west (8.10%) and the central east (3.74%) public health regions were above state baseline (3.71%).



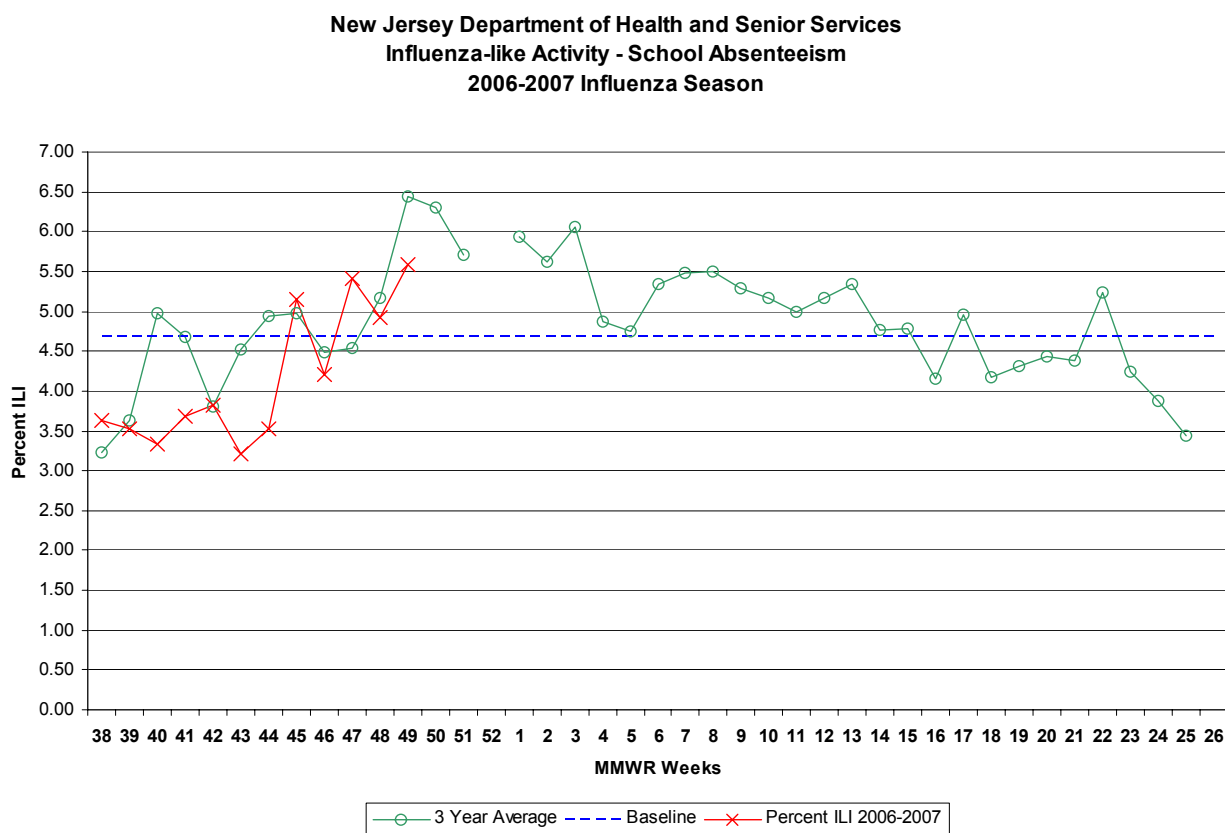
Long-term Care Facilities

During week 49, 0.58% ILI was reported statewide from long term care facilities. This is a decrease over the previous week (0.93%). The percent ILI for each county ranged from 0.00% to 1.72%. No reports regarding ILI/respiratory outbreaks in communal living facilities were received. The percent ILI for this same week last year was 0.84% in long-term care facilities. The percent ILI for any public health region was not above state baseline (1.05%).



School Absenteeism

During week 49, schools reported 5.58% absenteeism. This is an increase over the previous week (4.92%). The percent ILI for each county ranged from 2.79% to 9.87%. The percent absent for this same week last year was 7.32%. The percent ILI for the northwest (6.82%), the northeast (5.98%), the central east (5.13%) and the south (5.85%) public health regions were above state baseline (4.68%).



Sentinel Provider Surveillance

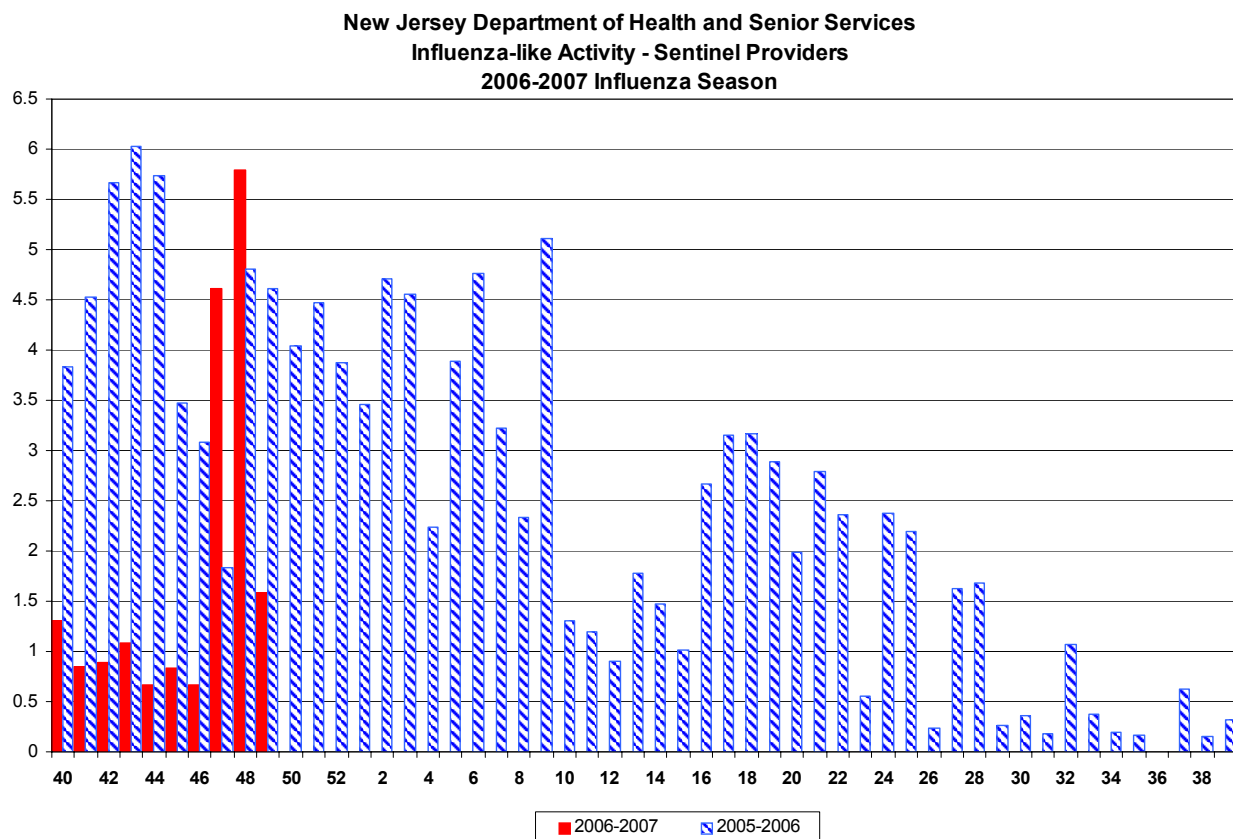
During week 49, 1.58% of sentinel provider patient visits were due to ILI. These data reflect reports from seven (16%) of the enrolled sentinel providers.

UPDATE

During week 48, 5.79% of sentinel provider patient visits were due to ILI. These data reflect reports from thirteen (31%) of the enrolled sentinel providers.

During week 47, 4.61% of sentinel provider patient visits were due to ILI. These data reflect reports from sixteen (38%) of the enrolled sentinel providers.

During week 46, 0.66% 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 no reports of pediatric illness or death associated with influenza that met the case definition.

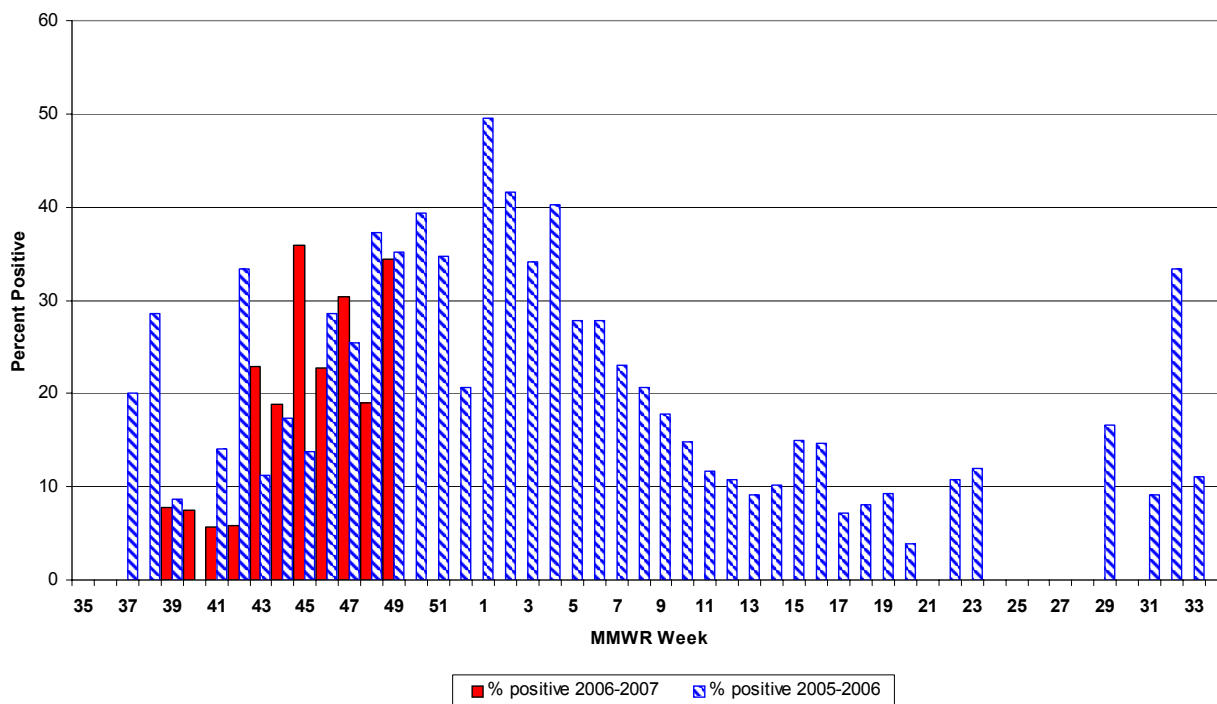
122 City Mortality Report

During week 49, 3.09% 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 (3.73%). The percentage of death due to pneumonia or influenza for this same week last year was 5.91%.

RSV Reports

During week 49, 34.47% of all RSV samples tested were positive. This was an increase over the previous week 19.03%. The percent of samples positive RSV for this same week last year was 35.14%.

**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	1	1.60	16	14	9.19	4	4	1.63	8	22
BERGEN	3	0	0.00	11	0	0.00	6	0	0.00	0	0
BURLINGTON	6	1	0.00	94	71	5.08	3	3	0.67	7	25
CAMDEN	7	4	0.31	16	4	5.97	7	6	1.64	0	0
CAPE MAY	4	3	0.59	11	8	4.59	1	1	12.35	0	0
CUMBERLAND	4	1	1.72	17	9	7.94	3	3	8.37	6	18
ESSEX	14	4	0.58	31	8	3.81	11	10	6.54	39	107
GLOUCESTER	2	2	0.53	4	4	3.96	2	2	1.76	0	0
HUDSON	10	2	1.03	75	42	6.28	7	1	9.09	0	0
HUNTERDON	4	4	0.00	8	8	3.83	1	1	0.00	4	8
MERCER	10	7	0.69	12	10	2.79	5	3	4.76	14	35
MIDDLESEX	2	0	0.00	3	0	0.00	5	0	0.00	0	0
MONMOUTH	5	1	0.00	24	16	7.15	5	5	2.09	10	48
MORRIS	11	7	0.39	14	14	3.18	4	4	1.22	8	28
OCEAN	8	1	0.00	7	4	9.87	4	3	2.08	0	0
PASSAIC	8	5	0.64	22	8	5.62	6	0	0.00	0	0
SALEM	4	3	0.00	5	0	0.00	1	1	0.00	0	0
SOMERSET	5	2	1.64	52	23	3.89	2	2	16.11	0	0
SUSSEX	4	4	0.52	18	18	8.72	2	2	0.91	3	9
UNION	4	1	0.59	78	50	4.10	5	5	6.53	9	16
UNKNOWN	0	0	0.00	0	0	0.00	0	0	0.00	0	0
WARREN	7	7	1.06	21	21	7.92	2	2	4.80	3	6
NW Region	30	23	0.56	75	61	6.82	14	8	1.79	14	43
NE Region	27	6	0.71	117	50	5.98	24	11	6.60	39	107
CW Region	19	13	0.64	72	41	3.56	8	6	8.10	18	43
CE Region	19	3	0.36	112	70	5.13	19	13	3.74	19	64
South Region	32	15	0.55	163	110	5.85	21	20	2.77	21	65
State Total	127	60	0.58	539	332	5.58	86	58	4.25	111	322