

**New Jersey Department of Health and Senior Services**  
**Communicable Disease Service**  
**Influenza Brief**  
**Week Ending August 15, 2009 (MMWR Week 32)**

**Influenza activity level:** **REGIONAL**

NOTE: ILI activity is down in all counties. Regional activity is primarily indicative of confirmatory laboratory results for novel influenza A H1N1 from 7 counties in the past 3 weeks.

<b>New Jersey</b>	<b>% ILI week 32 (range county level)</b>	<b>% ILI week 32 last year</b>	<b>State Baseline*</b>	<b>% ILI previous week 31 same year</b>
<b>Long Term Care Facilities</b>	0.72% (0.00-2.08%)	0.42%	0.69%	0.73%
<b>Schools (absenteeism)</b>	CLOSED	CLOSED	CLOSED	CLOSED
<b>Emergency Departments</b>	2.40% (0.00-7.20%)	1.65%	2.60%	2.31%

**Influenza Activity Level Public Health Regions**

<b>Region</b>	<b>Counties in Region</b>	<b>Activity Level</b>
NW Region	Morris, Passaic, Sussex, Warren	<b>SPORADIC</b>
NE Region	Bergen, Essex, Hudson	<b>SPORADIC</b>
CW Region	Hunterdon, Mercer, Somerset	<b>SPORADIC</b>
CE Region	Middlesex, Monmouth, Ocean, Union	<b>REGIONAL</b>
South Region	Atlantic, Burlington, Camden, Cape May, Salem, Cumberland, Gloucester	<b>LOCAL</b>

**Sentinel Provider Surveillance**

During week 32, 1.26% of sentinel provider patient visits were due to ILI. These data reflect reports from sixteen (36%) of the enrolled sentinel providers.

During week 31, 1.04% of sentinel provider patient visits were due to ILI. These data reflect reports from ten (22%) of the enrolled sentinel providers.

\* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

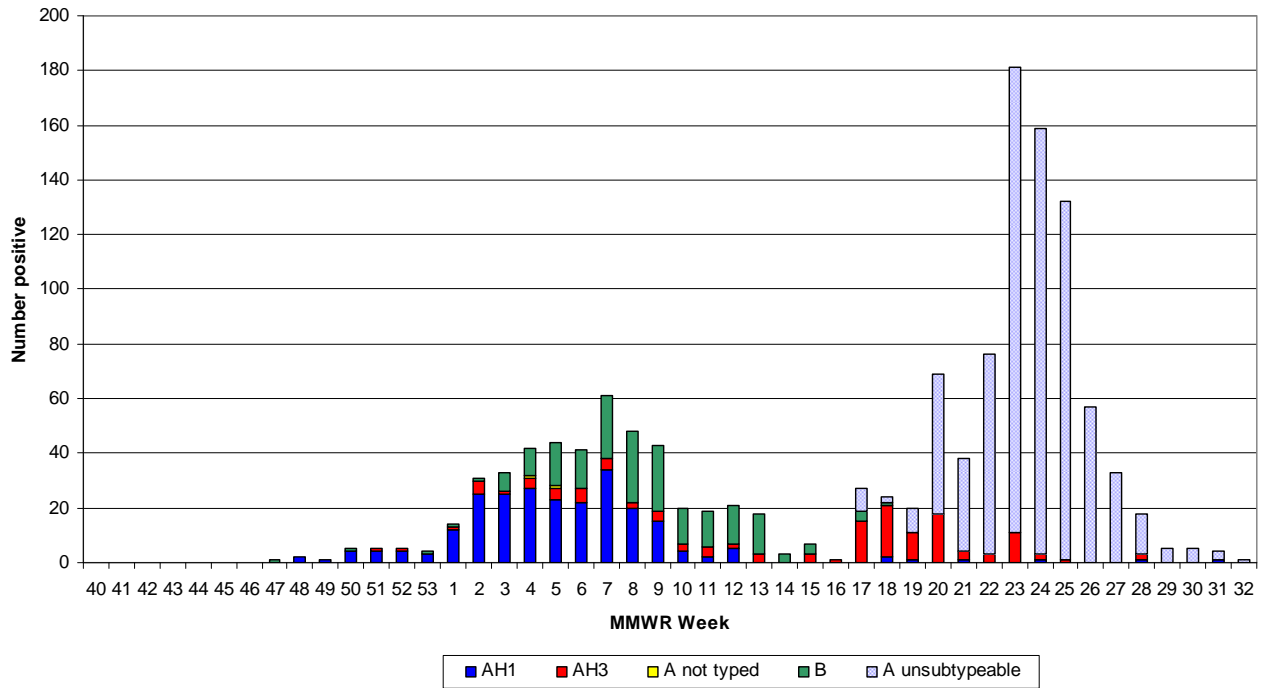
## Laboratory

As of week 32, 564 samples were found to be positive by viral culture or PCR for influenza AH1, AH3 and influenza B. Please see graph on next page for weekly distribution.

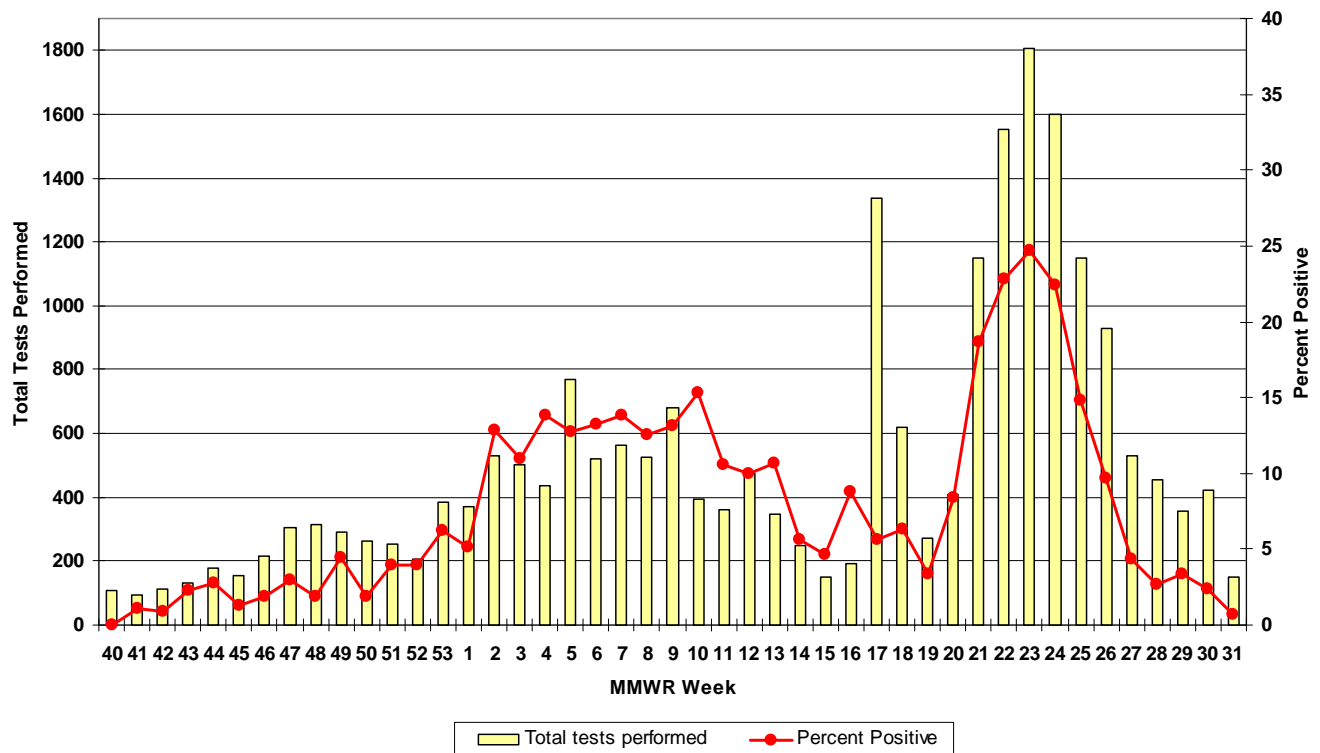
County	Week 40 to Week 32							Week 30, 31, 32						
	Rapid*			Culture*				Rapid*			Culture*			
	A	B	A/B	A H1	A H3	A UNK	B	A	B	A/B	A H1	A H3	A UNK	B
Atlantic County	87	17	0	9	2	0	2	0	0	0	0	0	0	0
Bergen County	206	13	0	11	17	2	7	0	0	0	0	0	0	0
Burlington County	109	24	0	2	0	0	1	0	0	0	0	0	0	0
Camden County	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Cape May County	28	6	0	14	1	0	5	1	0	0	0	0	0	0
Cumberland County	0	0	0	7	1	0	6	0	0	0	0	0	0	0
Essex County	566	65	0	28	20	0	18	2	0	0	0	0	0	0
Gloucester County	0	0	0	5	0	0	13	0	0	0	0	0	0	0
Hudson County	289	12	0	26	19	0	29	1	0	0	1	0	0	0
Hunterdon County	35	0	0	22	8	0	13	0	0	1	0	0	0	0
Mercer County	28	0	0	14	10	0	8	0	0	0	0	0	0	0
Middlesex County	106	4	0	25	15	0	18	0	0	0	0	0	0	0
Monmouth County	62	23	0	13	5	0	8	1	0	9	0	0	0	0
Morris County	410	0	0	18	6	0	16	0	0	0	0	0	0	0
Ocean County	0	0	0	1	5	0	3	0	0	0	0	0	0	0
Passaic County	0	15	0	4	4	0	7	2	0	0	0	0	0	0
Salem County	1	1	0	0	0	0	1	0	0	0	0	0	0	0
Somerset County	0	0	0	15	6	0	12	0	0	1	0	0	0	0
Sussex County	72	22	0	1	1	0	2	0	0	0	0	0	0	0
Union County	268	6	0	19	10	0	21	2	0	3	0	0	0	0
Warren County	51	13	0	3	1	0	0	0	0	0	0	0	0	0
Unknown	0	0	0	1	0	0	1	0	0	0	0	0	0	0
State Total	2318	221	0	239	131	2	192	9	0	14	1	0	0	0

\* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

**Influenza Laboratory Report  
Positive Specimens by Week  
2008-2009 Influenza Season**  
\*Culture results to week 15, PCR results week 15 to present

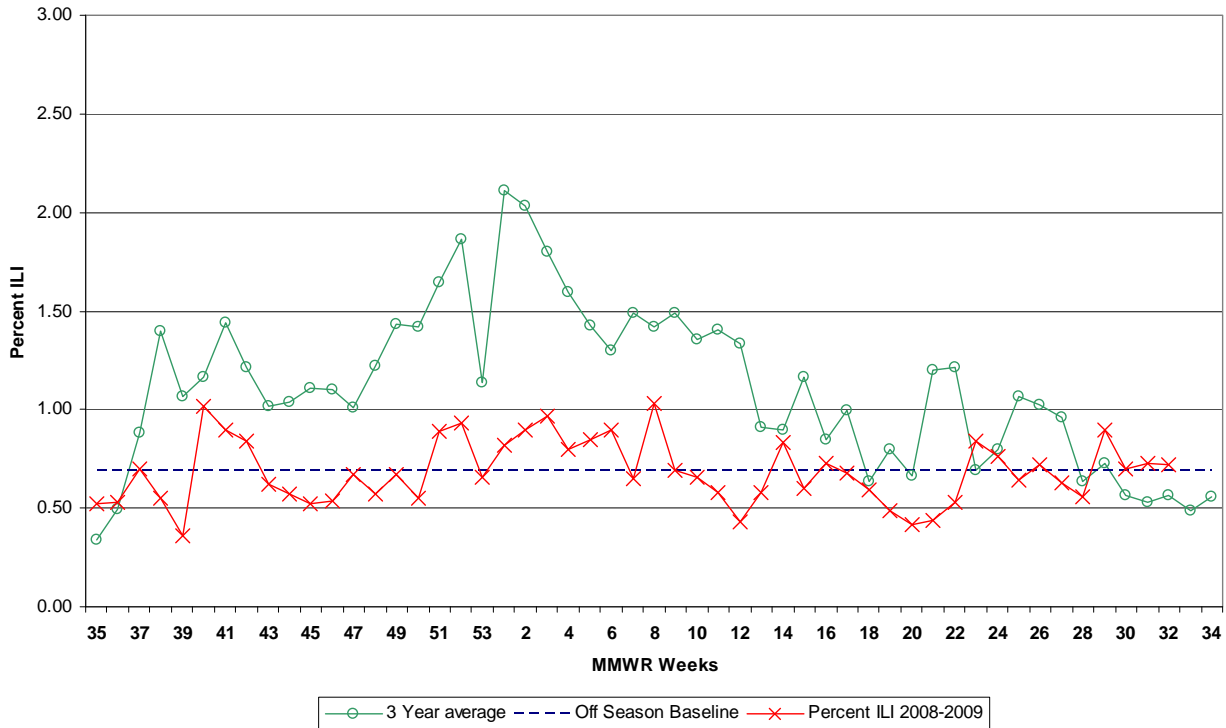


**Influenza Rapid Antigen Tests  
Total and Percent Positive  
2008-2009 Influenza Season**

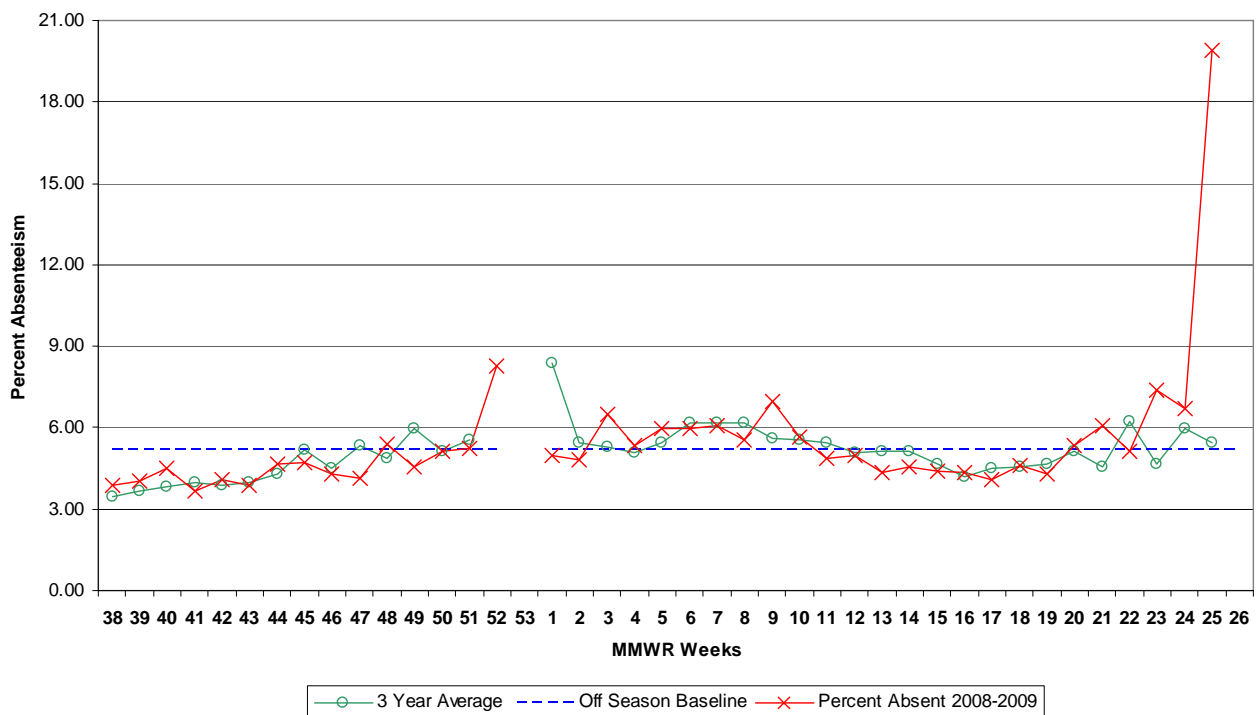


\* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

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



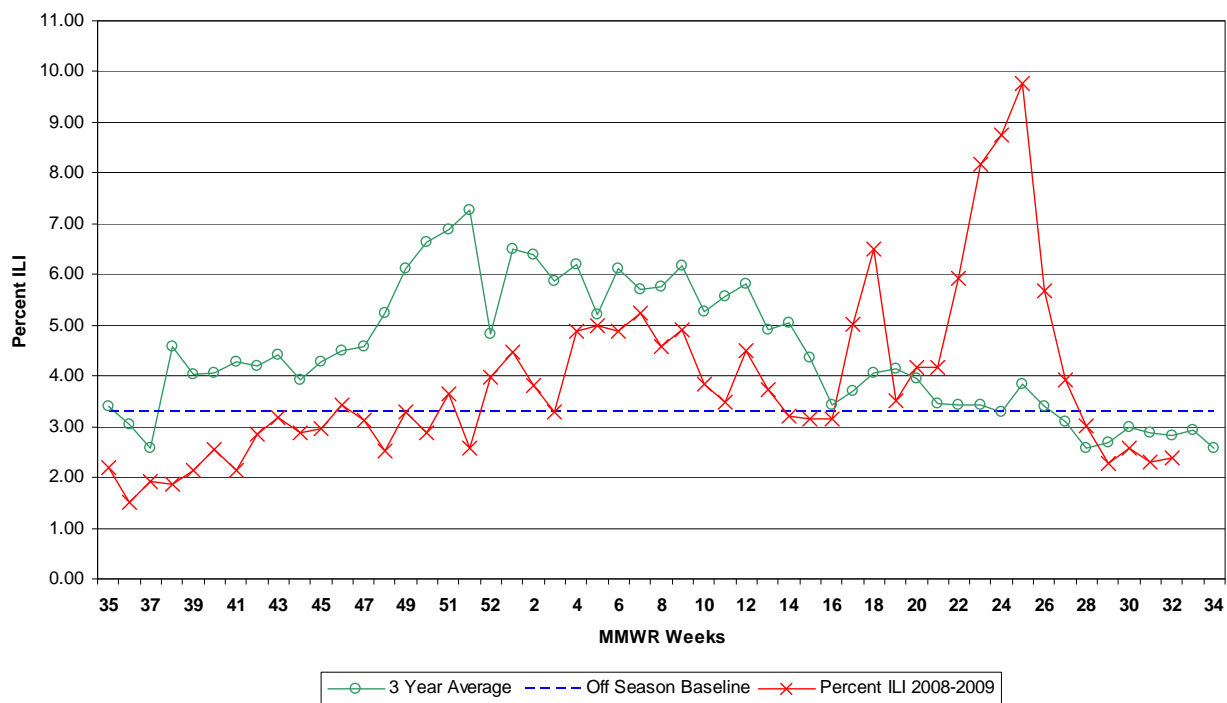
**New Jersey Department of Health and Senior Services  
Influenza-like Activity - School Absenteeism**



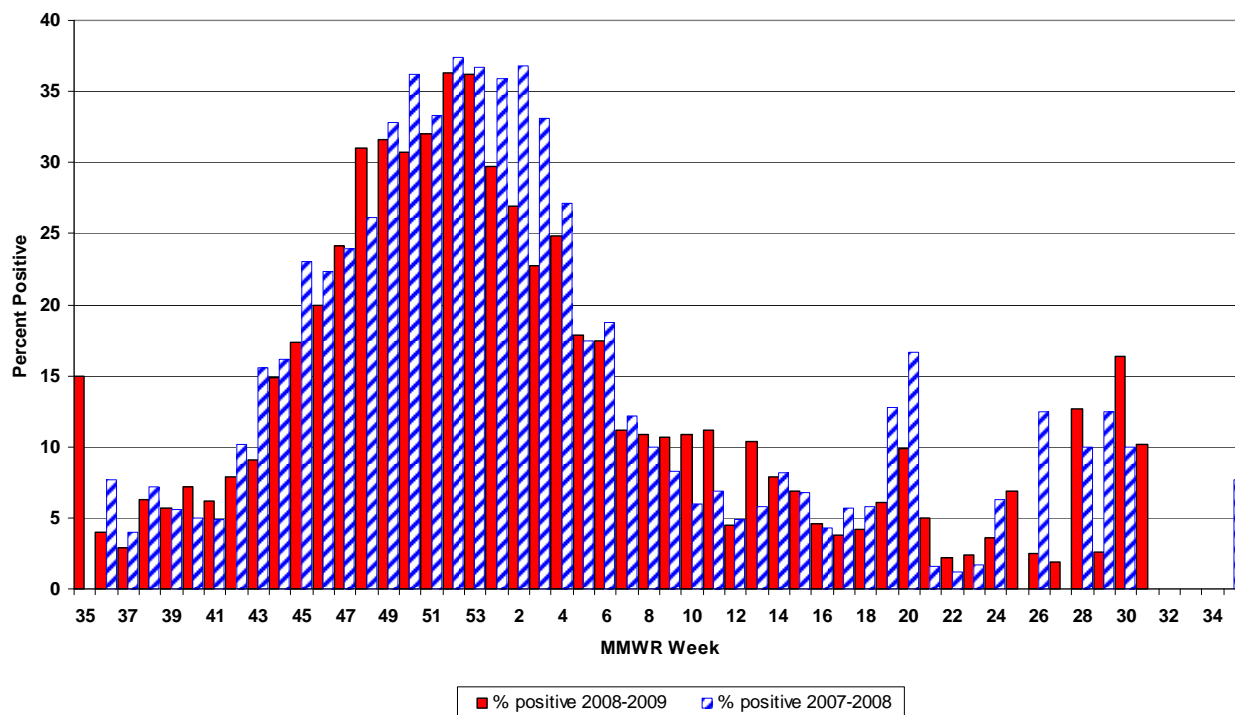
\*Reports received from 5 counties.

\* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

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

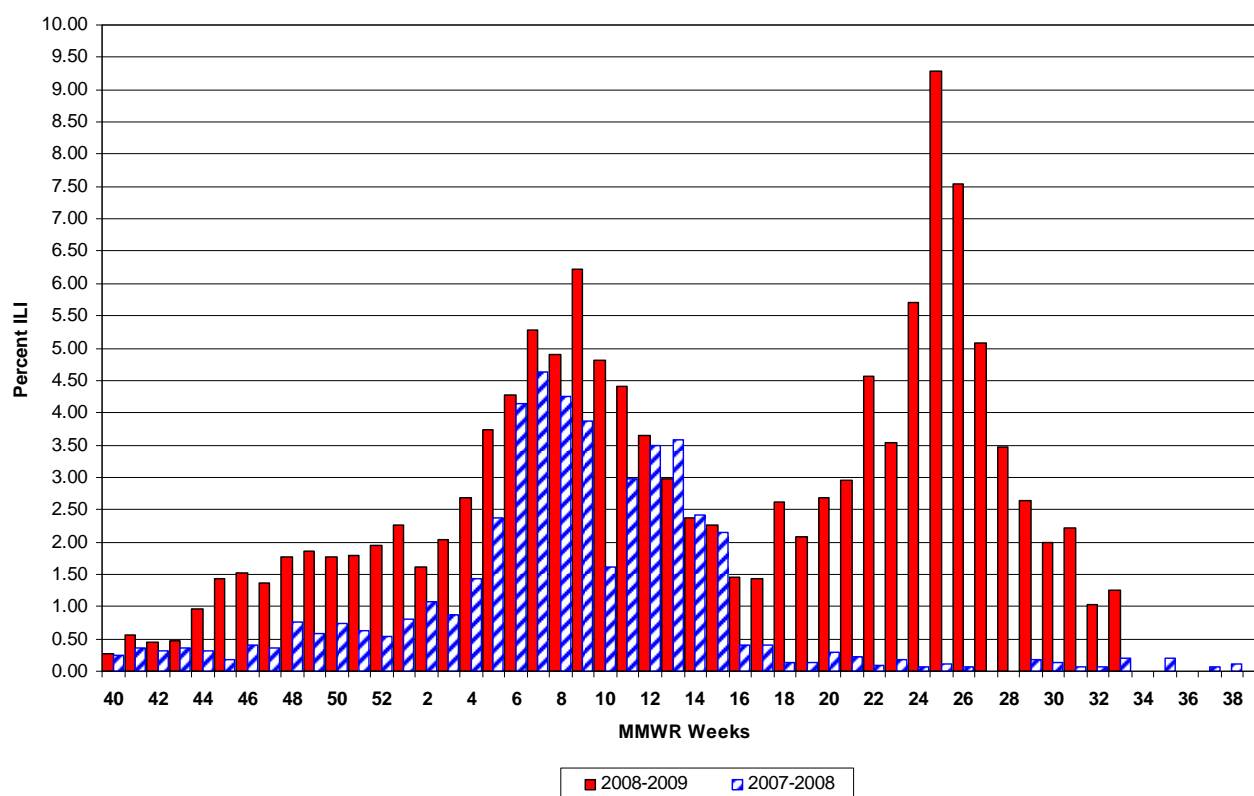


**New Jersey Department of Health and Senior Services  
Respiratory Syncytial Virus (RSV) Surveillance by Week, 2006-2008**



\* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).

**New Jersey Department of Health and Senior Services  
Influenza-like Activity - Sentinel Providers**



### Novel Influenza A H1N1

As of 8/19/09 at 8:30 AM, NJ has identified 1003 confirmed and 477 probable who have tested positive for Novel Influenza AH1N1.

\* Baseline is calculated by taking the average of statewide percentages of ILI for a 3 year (2006, 2007, 2008) period during months when influenza is less likely to be circulating (May-August).



	Long Term Care			Schools			Hospital Emergency Department		
County	# Enrolled	# Reports Rec'd	% ILI	# Enrolled	# Reports Rec'd	% Absent	# Enrolled	# Reports Rec'd	% ILI
<b>August, 11, 2009 12:00 AM MMRW WEEK 32</b>									
ATLANTIC	4	0	0.00	19	0	0.00	4	4	0.00
BERGEN	3	0	0.00	25	0	0.00	6	5	2.50
BURLINGTON	6	2	0.00	115	0	0.00	3	2	1.52
CAMDEN	7	0	0.00	17	0	0.00	7	3	2.90
CAPE MAY	6	2	0.00	11	0	0.00	1	1	6.09
CUMBERLAND	6	2	1.08	18	0	0.00	3	3	0.00
ESSEX	18	5	0.47	34	0	0.00	11	10	1.52
GLOUCESTER	5	1	0.00	4	0	0.00	2	2	2.02
HUDSON	10	2	1.35	94	0	0.00	6	4	3.04
HUNTERDON	4	4	1.57	8	0	0.00	1	1	0.00
MERCER	11	0	0.00	26	0	0.00	5	5	2.95
MIDDLESEX	2	0	0.00	89	0	0.00	5	5	1.30
MONMOUTH	14	2	0.00	24	0	0.00	5	5	1.93
MORRIS	2	0	0.00	13	0	0.00	4	3	7.20
OCEAN	6	1	0.00	20	0	0.00	4	4	5.14
PASSAIC	9	2	0.39	23	0	0.00	6	1	1.54
SALEM	4	0	0.00	5	0	0.00	1	1	0.00
SOMERSET	6	3	0.87	63	0	0.00	2	1	1.23
SUSSEX	5	5	0.24	22	0	0.00	2	2	4.27
UNION	4	0	0.00	130	0	0.00	5	5	1.63
UNKNOWN	0	0	0.00	1	0	0.00	0	0	0.00
WARREN	8	3	2.08	24	0	0.00	2	2	0.00
<b>NW Region</b>	24	10	0.70	82	0	0.00	14	8	4.26
<b>NE Region</b>	31	7	0.70	153	0	0.00	23	19	2.04
<b>CW Region</b>	21	7	1.24	97	0	0.00	8	7	2.37
<b>CE Region</b>	26	3	0.00	263	0	0.00	19	19	2.54
<b>South Region</b>	38	7	0.53	189	0	0.00	21	16	1.65
<b>State Total</b>	<b>140</b>	<b>34</b>	<b>0.72</b>	<b>784</b>	<b>0</b>	<b>0.00</b>	<b>85</b>	<b>69</b>	<b>2.40</b>