

**New Jersey Department of Health and Senior Services**  
**Communicable Disease Service**  
**Influenza Brief**  
**Week Ending May 23, 2009 (MMWR Week 20)**

**Influenza activity level:** **WIDESPREAD**

New Jersey	% ILI week 20 (range county level)	% ILI week 20, last year	State Baseline*	% ILI previous week 19 same year
<b>Long Term Care Facilities</b>	0.42% (0.00-5.98%)	0.35%	0.69%	0.49%
<b>Schools (absenteeism)</b>	5.35% (2.11-8.05%)	4.38%	5.17%	4.31%
<b>Emergency Departments</b>	4.17% (0.00-12.38%)	2.47%	2.60%	3.51%

**Influenza Activity Level Public Health Regions**

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

**Sentinel Provider Surveillance**

During week 20, 1.68% of sentinel provider patient visits were due to ILI. These data reflect reports from eleven (25%) of the enrolled sentinel providers. \* Percent ILI decrease to 1.76% when one hospital based provider is removed.

During week 19, 3.18% of sentinel provider patient visits were due to ILI. These data reflect reports from sixteen (36%) 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).

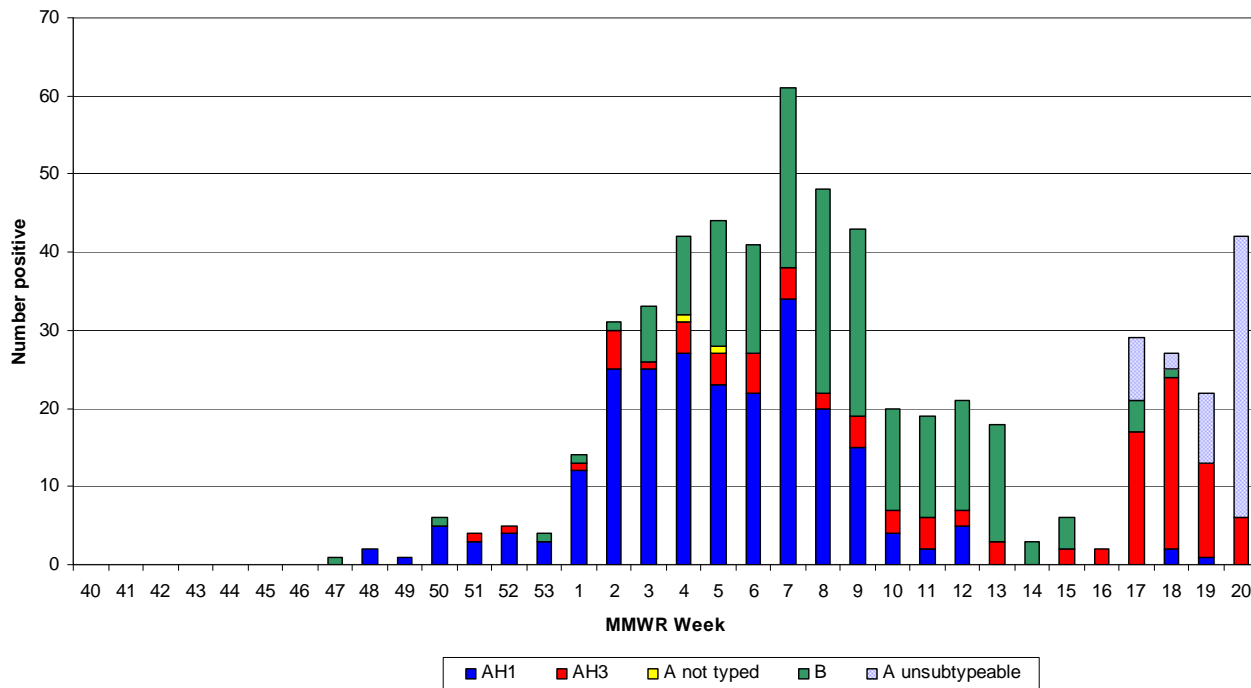
## Laboratory

As of week 19, 521 samples were found to be positive by viral culture or PCR for influenza AH1, AH3 and influenza B. As of 5/27/09 at noon, 58 confirmed and 14 probable A unsubtypeables have been identified. Please see graph on next page for weekly distribution.

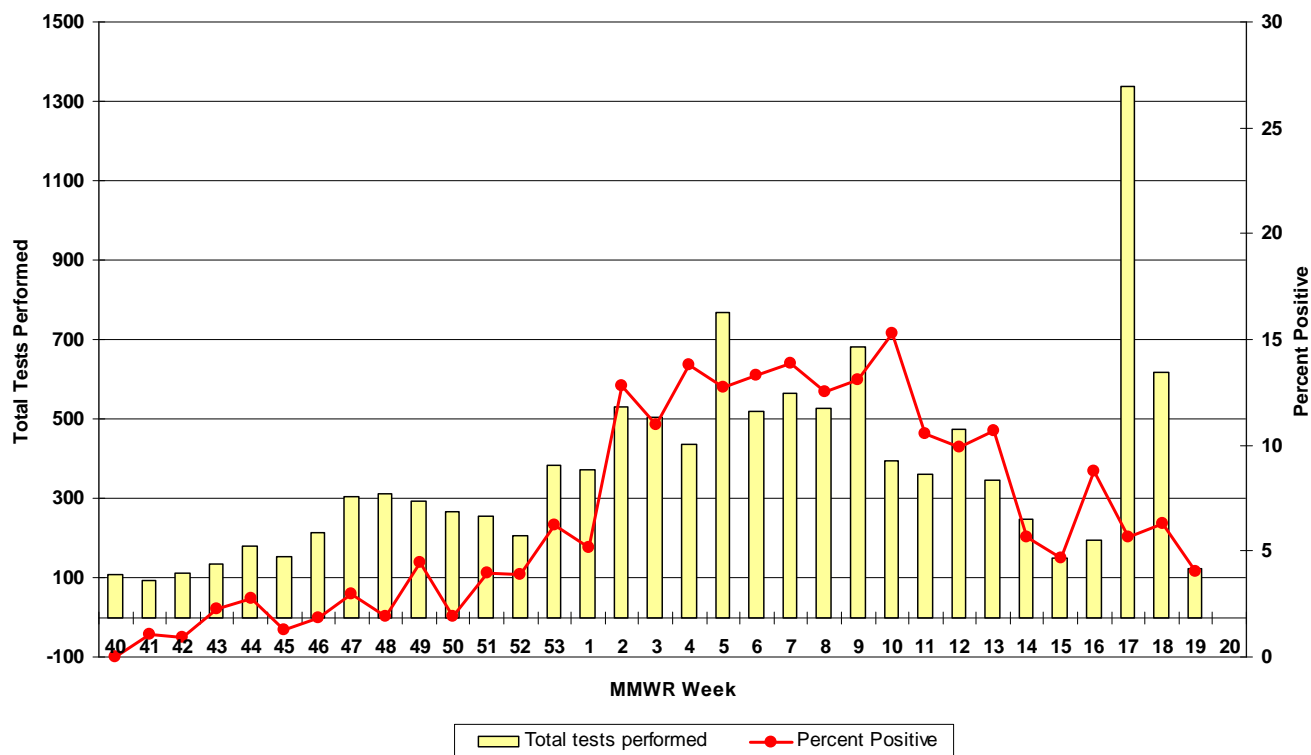
County	Week 40 to Week 19							Week 17, 18, 19						
	Rapid*			Culture*				Rapid*			Culture*			
	A	B	A/B	A H1	A H3	A UNK	B	A	B	A/B	A H1	A H3	A UNK	B
Atlantic County	40	17	0	9	1	0	2	5	2	0	0	8	0	0
Bergen County	26	13	0	11	11	0	7	2	0	0	0	0	0	0
Burlington County	69	23	0	2	0	0	1	11	1	0	1	0	0	0
Camden County	0	0	0	1	0	0	1	0	0	0	0	0	0	0
Cape May County	20	6	0	14	1	0	5	0	0	0	0	0	0	0
Cumberland County	0	0	0	7	1	0	6	0	0	0	0	1	0	0
Essex County	221	63	22	38	9	0	18	47	2	6	0	9	0	0
Gloucester County	0	0	0	5	0	0	13	0	0	0	0	0	0	0
Hudson County	32	12	0	32	5	0	29	1	3	0	0	6	0	2
Hunterdon County	7	0	65	25	5	0	13	0	0	4	0	3	0	1
Mercer County	3	0	0	14	3	0	8	1	0	0	0	3	0	0
Middlesex County	31	4	0	22	15	0	18	3	2	0	0	9	0	0
Monmouth County	58	23	67	13	4	0	8	0	0	0	0	1	0	0
Morris County	0	0	0	18	2	0	16	0	0	0	1	1	0	0
Ocean County	0	0	0	1	5	0	3	0	0	0	0	2	0	2
Passaic County	65	14	0	4	5	0	7	14	2	0	0	5	0	0
Salem County	0	1	0	0	0	0	1	0	1	0	0	0	0	0
Somerset County	0	0	14	15	5	0	12	0	0	0	0	0	0	0
Sussex County	40	21	0	1	0	0	2	2	0	0	0	0	0	0
Union County	15	5	0	19	0	0	21	8	2	0	0	3	0	0
Warren County	23	13	0	3	3	0	1	1	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	1	4	0	0
State Total	650	215	168	254	75	0	192	95	15	10	3	55	0	5

\* 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

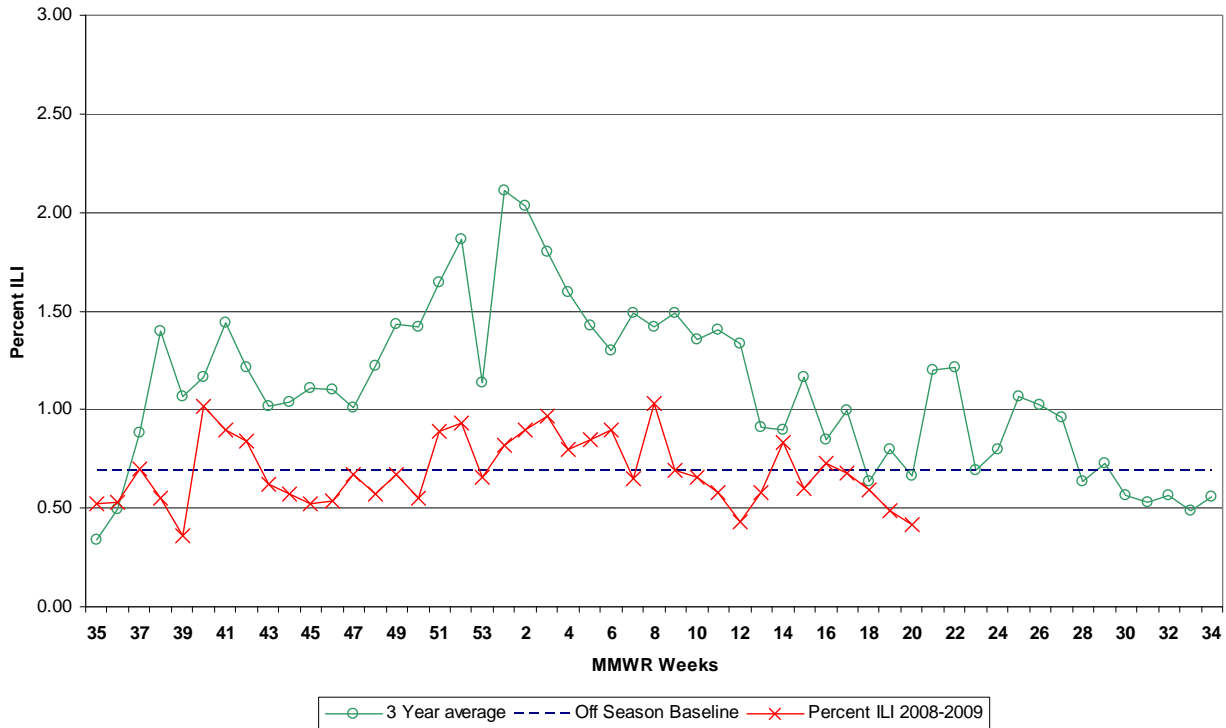


**Influenza Rapid Antigen Tests**  
**Total and Percent Positive**  
**2008-2009 Influenza Season**

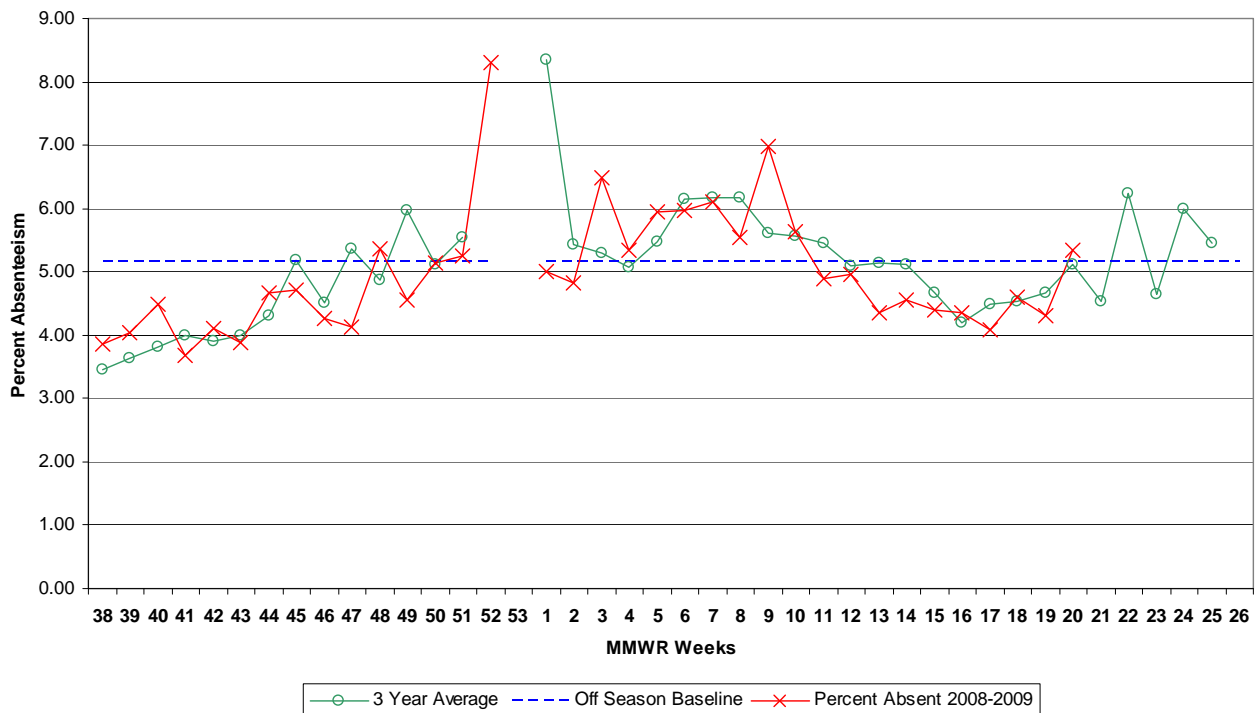


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**New Jersey Department of Health and Senior Services  
Influenza-like Activity - Long Term Care Facilities**

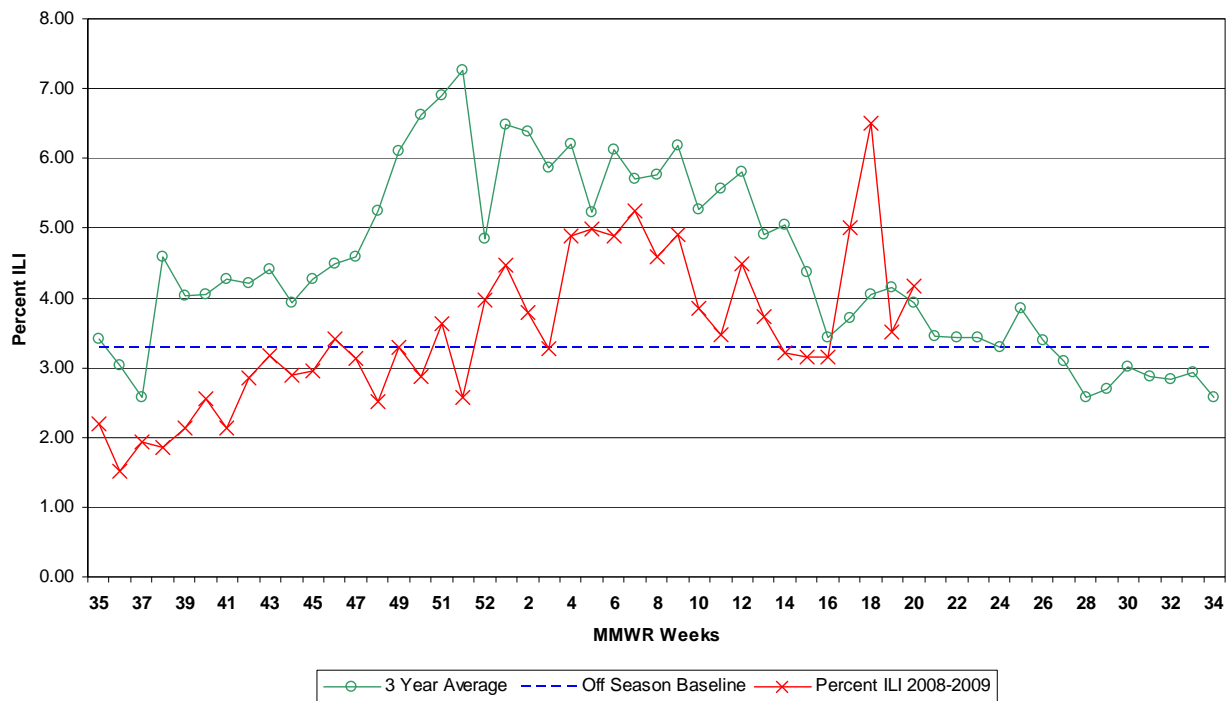


**New Jersey Department of Health and Senior Services  
Influenza-like Activity - School Absenteeism**

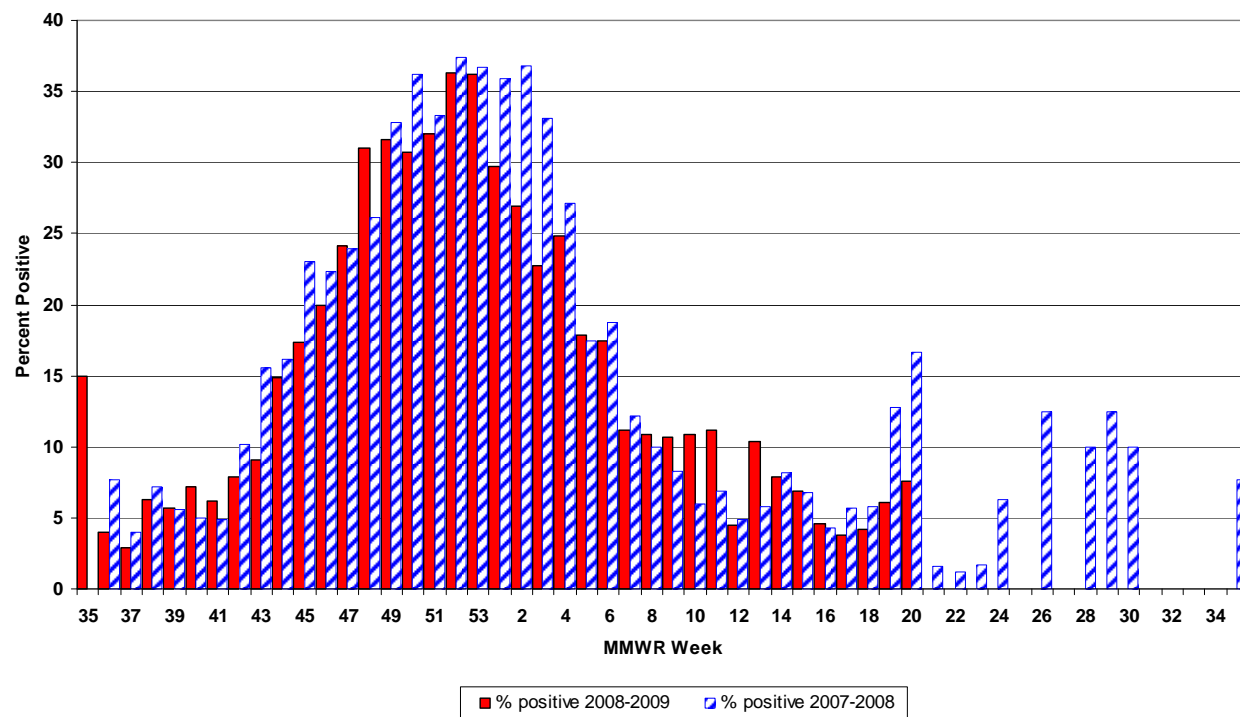


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**New Jersey Department of Health and Senior Services  
Influenza-like Activity - Emergency Departments**

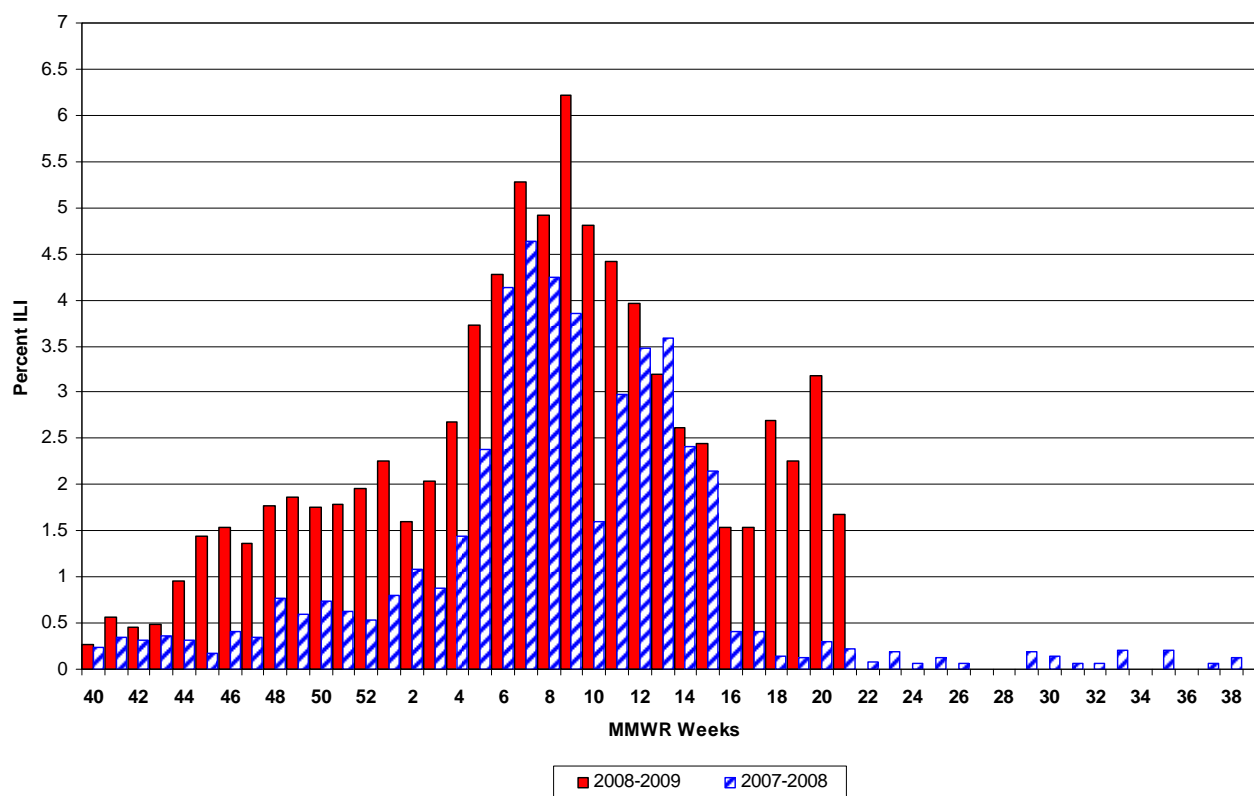


**New Jersey Department of Health and Senior Services  
Respiratory Syncytial Virus (RSV) Surveillance by Week, 2006-2008**



\* 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**



\* 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			RSV Tests	
County	# Enrolled	# Reports Rec'd	% ILI	# Enrolled	# Reports Rec'd	% Absent	# Enrolled	# Reports Rec'd	% ILI	# Positive	Total Tests Performed
ATLANTIC	4	2	0.55	19	16	7.33	4	1	0.81	0	0
BERGEN	3	0	0.00	25	11	5.12	6	4	5.21	0	0
BURLINGTON	6	3	0.00	115	80	5.12	3	3	0.94	1	10
CAMDEN	7	0	0.00	17	0	0.00	7	6	1.71	0	0
CAPE MAY	6	0	0.00	11	0	0.00	1	1	0.00	0	0
CUMBERLAND	6	0	0.00	18	8	6.86	3	2	1.52	0	2
ESSEX	18	3	0.00	34	0	0.00	11	6	2.95	3	16
GLOUCESTER	5	1	0.00	4	1	3.05	2	2	3.12	1	2
HUDSON	10	1	5.98	92	55	6.31	6	4	4.20	0	3
HUNTERDON	4	4	0.45	8	8	2.11	1	1	4.55	0	1
MERCER	11	7	0.48	26	20	3.63	5	4	1.72	0	16
MIDDLESEX	2	0	0.00	89	0	0.00	5	5	3.70	0	0
MONMOUTH	14	0	0.00	24	0	0.00	5	3	4.62	0	0
MORRIS	2	0	0.00	13	0	0.00	4	3	12.83	0	4
OCEAN	6	1	0.00	20	17	8.05	4	3	8.36	1	2
PASSAIC	9	3	1.03	23	7	5.84	6	3	2.72	0	0
SALEM	4	1	0.00	5	0	0.00	1	1	0.00	0	0
SOMERSET	5	3	0.61	63	18	3.21	2	1	2.29	0	2
SUSSEX	5	4	0.00	22	22	5.59	2	2	0.00	0	0
UNION	4	2	0.00	130	36	4.93	5	5	9.47	0	20
UNKNOWN	0	0	0.00	1	0	0.00	0	0	0.00	0	0
WARREN	8	1	2.56	24	17	4.79	2	2	0.00	0	1
NW Region	24	8	0.55	82	46	5.43	14	10	6.04	0	5
NE Region	31	4	0.73	151	66	6.19	23	14	3.89	3	19
CW Region	20	14	0.50	97	46	3.23	8	6	2.17	0	19
CE Region	26	3	0.00	263	53	5.87	19	16	6.32	1	22
South Region	38	7	0.17	189	105	5.62	21	16	1.56	2	14
State Total	139	36	0.42	782	316	5.35	85	62	4.17	6	79