

New Jersey Department of Health and Senior Services
Communicable Disease Service
Influenza Brief
Week Ending May 16, 2009 (MMWR Week 19)

Influenza activity level: **WIDESPREAD**

New Jersey	% ILI week 19 (range county level)	% ILI week 19, last year	State Baseline*	% ILI previous week 18 same year
Long Term Care Facilities	0.49% (0.00-4.24%)	0.52%	0.69%	0.59%
Schools (absenteeism)	4.61 (2.41-6.53%)	4.22%	5.17%	4.61%
Emergency Departments	6.51% (0.00-9.71%)	2.91%	2.60%	6.51%

Influenza Activity Level Public Health Regions

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

Sentinel Provider Surveillance

During week 19, 1.48% 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 18, 2.26% of sentinel provider patient visits were due to ILI. These data reflect reports from seventeen (39%) 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).

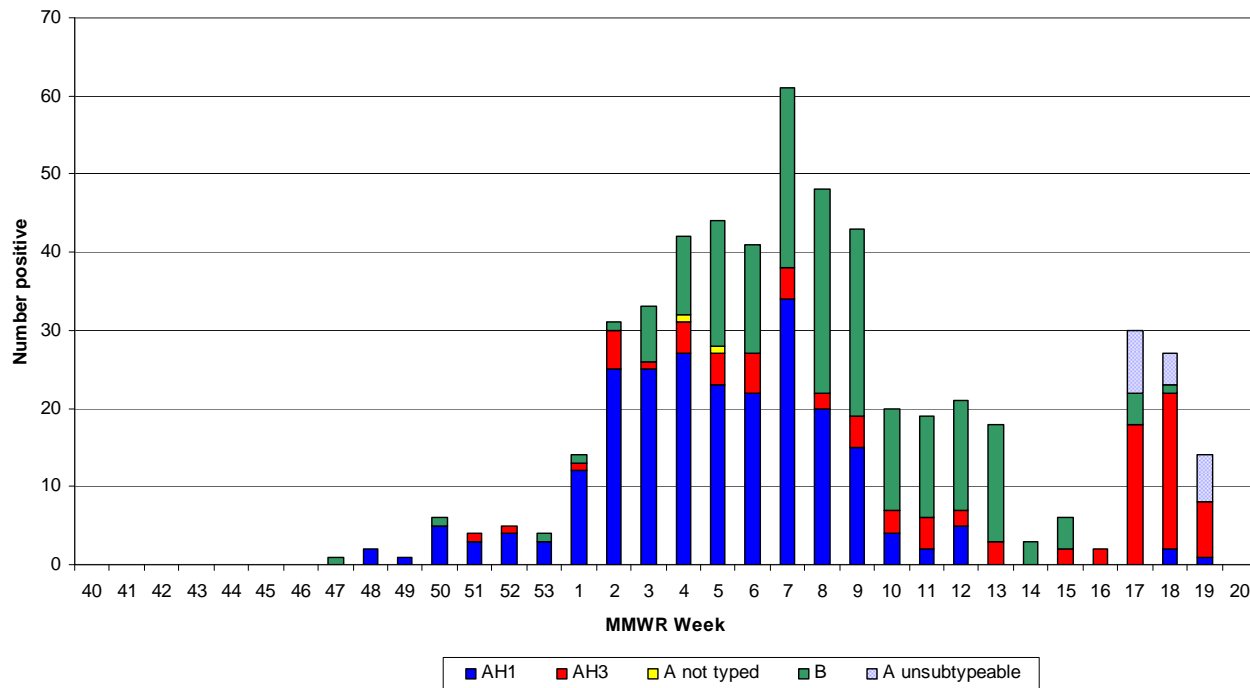
Laboratory

As of week 18, 511 samples were found to be positive by viral culture for influenza AH1, AH3 and influenza B. As of 5/19/09 at noon, 18 confirmed and 4 probable A unsubtypeables have been identified. Please see graph on next page for weekly distribution.

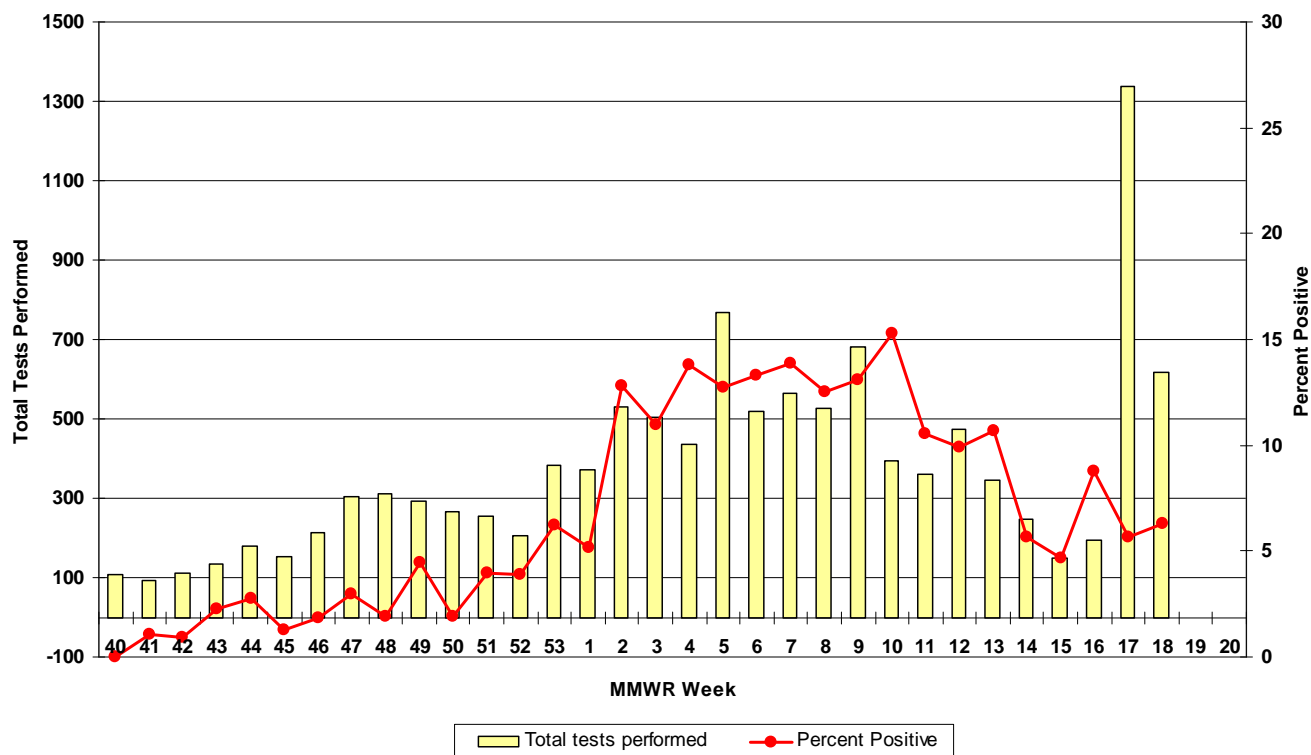
County	Week 40 to Week 18							Week 16,17, 18						
	Rapid*			Culture*				Rapid*			Culture*			
	A	B	A/B	A H1	A H3	A UNK	B	A	B	A/B	A H1	A H3	A UNK	B
Atlantic County	40	17	0	9	1	0	2	6	3	0	0	0	0	0
Bergen County	26	13	0	11	9	2	7	2	0	0	0	6	0	0
Burlington County	67	23	0	2	0	0	1	9	1	0	1	0	0	0
Camden County	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	23	28	17	0	18	55	3	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	25	8	0	28	1	3	0	0	4	0	2
Hunterdon County	7	0	63	22	8	0	12	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	13	0	18	3	2	0	0	8	0	0
Monmouth County	58	23	67	13	4	0	8	1	0	0	1	1	0	0
Morris County	0	0	0	18	1	0	16	0	0	0	0	0	0	0
Ocean County	0	0	0	1	5	0	1	0	0	0	0	2	0	2
Passaic County	65	14	0	4	2	0	7	15	2	0	0	2	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	3	0	0	0	0	0	0
Union County	15	5	0	19	9	0	21	9	2	0	0	3	0	0
Warren County	22	13	0	3	0	0	1	0	0	0	0	0	0	0
Unknown	0	0	0	0	0	0	0	0	0	0	0	0	0	0
State Total	647	215	167	234	87	2	188	105	17	10	2	42	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 18

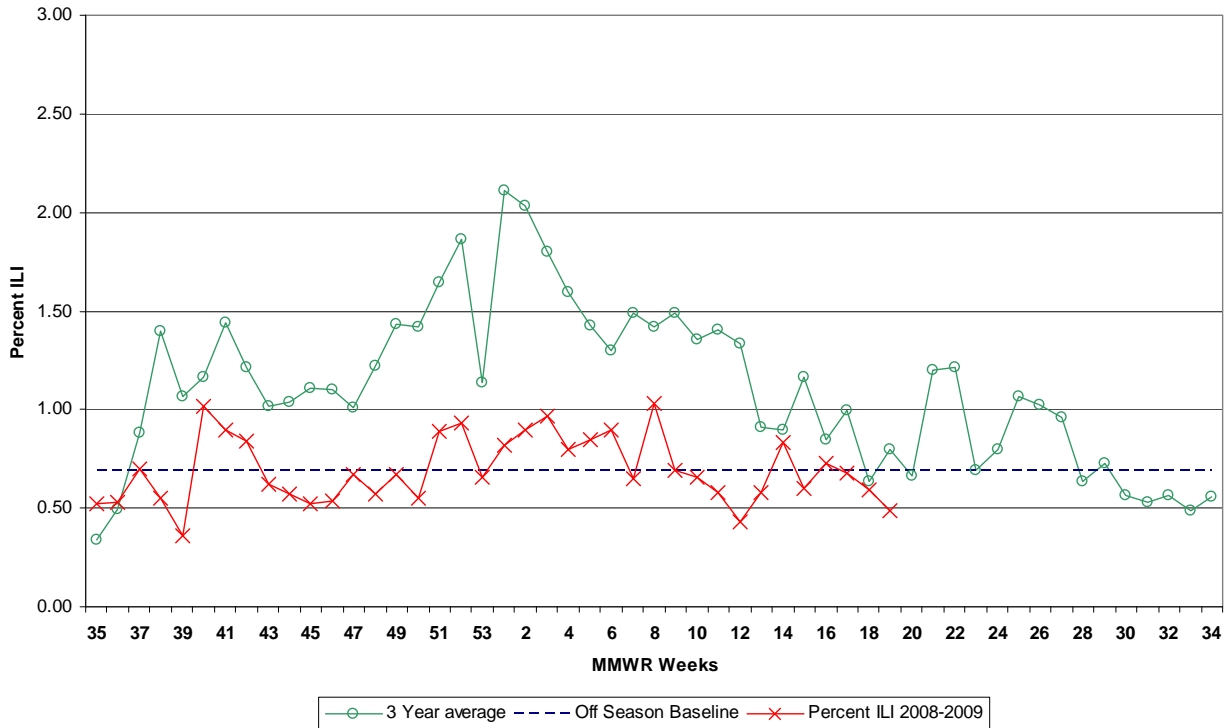


Influenza Rapid Antigen Tests
Total and Percent Positive
2008-2009 Influenza Season

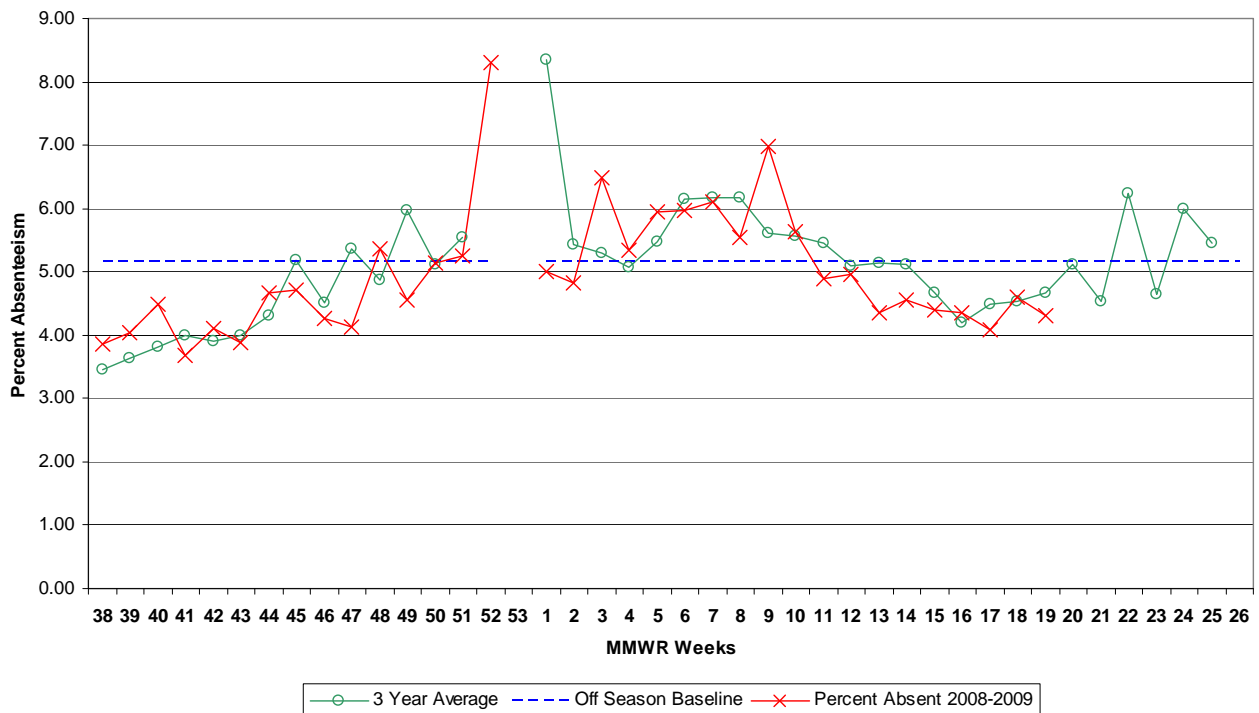


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**New Jersey Department of Health and Senior Services
Influenza-like Activity - Long Term Care Facilities**

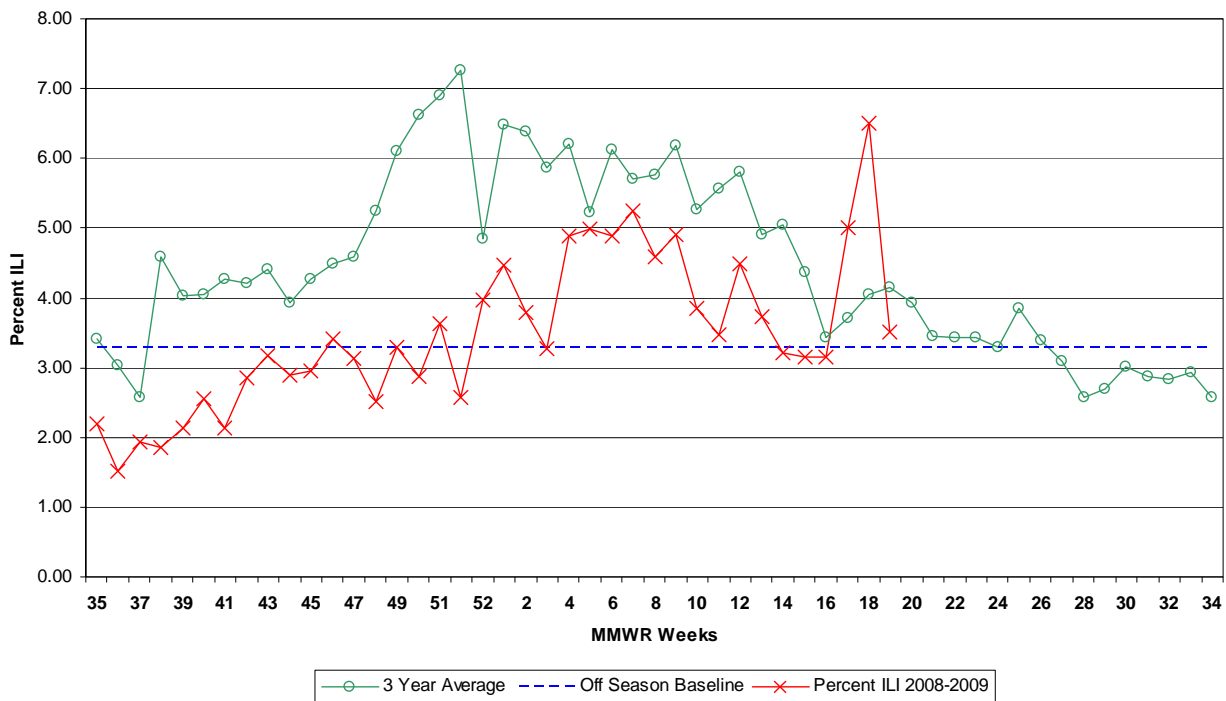


**New Jersey Department of Health and Senior Services
Influenza-like Activity - School Absenteeism**

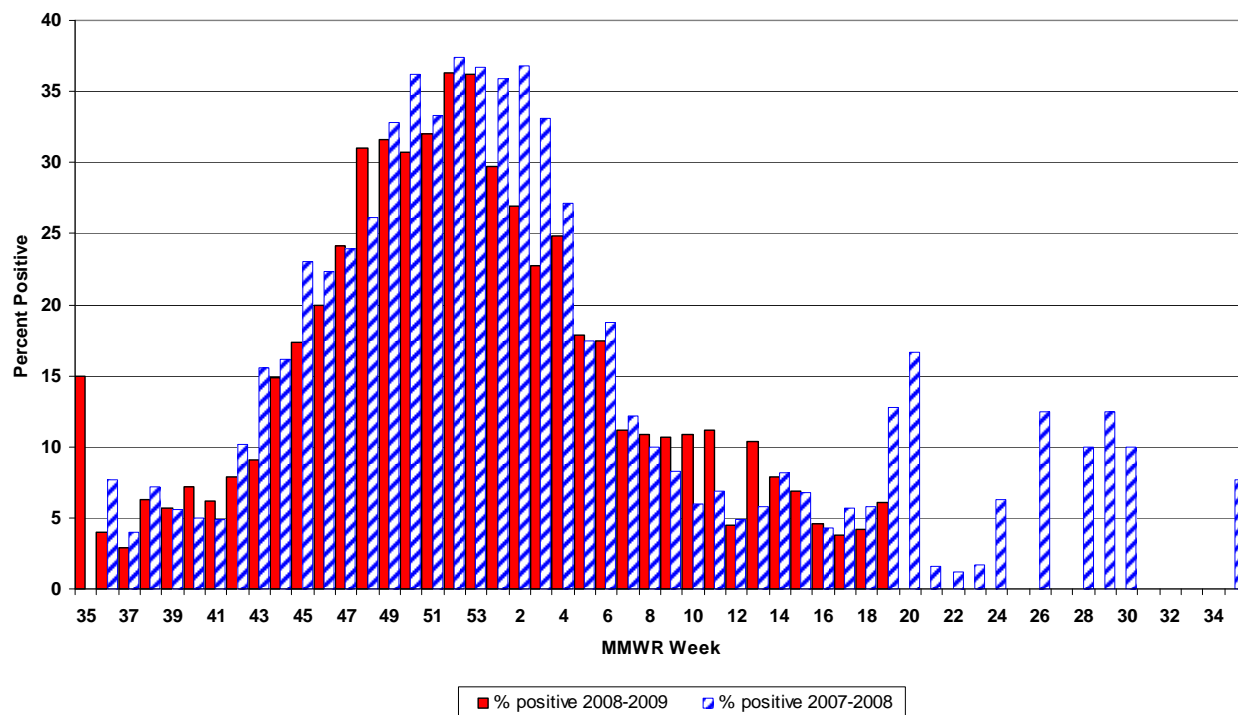


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**New Jersey Department of Health and Senior Services
Influenza-like Activity - Emergency Departments**

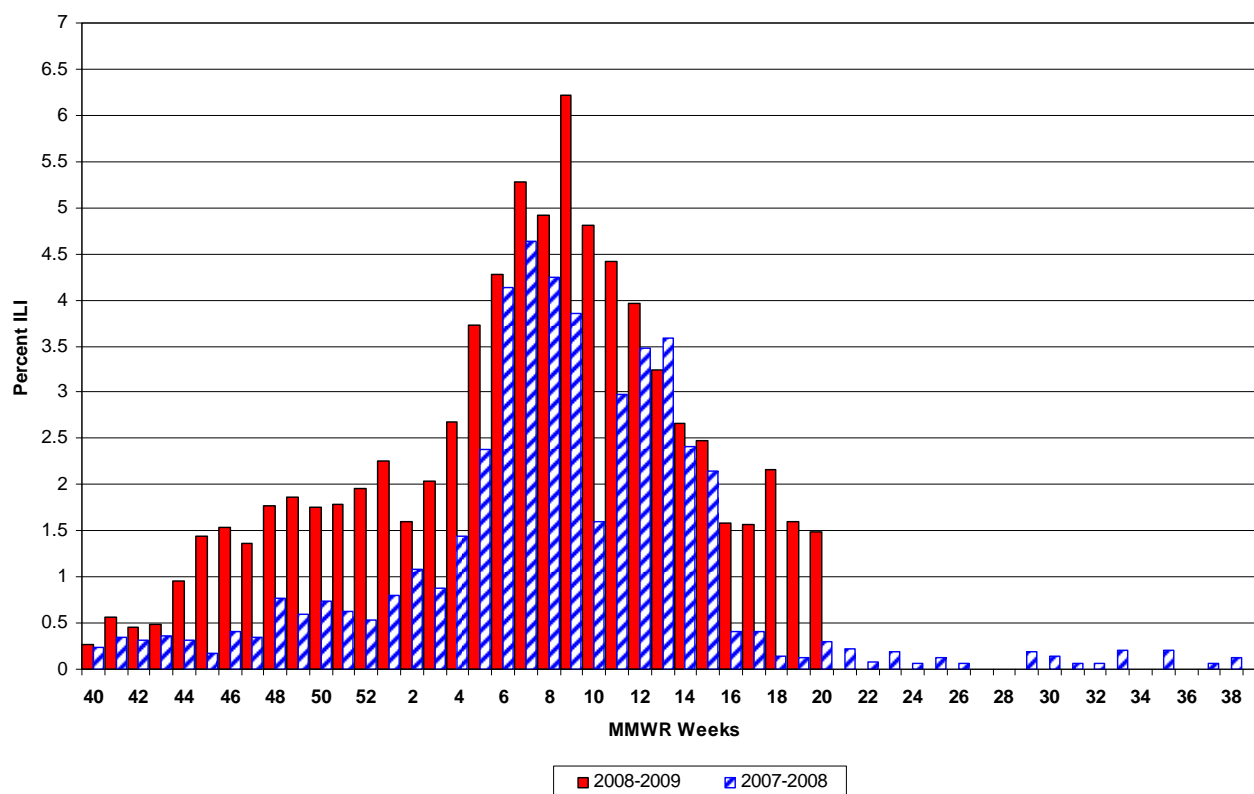


**New Jersey Department of Health and Senior Services
Respiratory Syncytial Virus (RSV) Surveillance by Week, 2006-2008**



* 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**



Novel Influenza A H1N1

As of 5/19/09 at noon, NJ has identified 18 confirmed and 4 probable who have been infected with the Novel Influenza AH1N1 virus.

* 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	0	0.00	19	0	0.00	4	3	0.98	0	3
BERGEN	3	0	0.00	25	10	4.07	6	2	0.39	0	2
BURLINGTON	6	0	0.00	115	0	0.00	3	2	1.82	1	8
CAMDEN	7	0	0.00	17	1	6.25	7	6	0.82	0	11
CAPE MAY	6	3	0.00	11	8	3.69	1	1	0.00	0	3
CUMBERLAND	6	2	1.50	18	8	5.99	3	2	2.91	0	1
ESSEX	18	5	0.72	34	5	2.41	11	8	4.22	6	32
GLOUCESTER	5	4	0.00	4	4	3.30	2	2	0.00	0	3
HUDSON	10	1	4.24	92	43	5.92	6	4	4.28	0	8
HUNTERDON	4	4	0.90	8	8	2.87	1	1	1.06	1	1
MERCER	11	6	0.37	26	19	3.78	5	5	5.59	0	11
MIDDLESEX	2	0	0.00	89	29	3.73	5	5	4.02	0	26
MONMOUTH	14	2	0.00	24	17	5.57	5	5	2.45	0	0
MORRIS	2	0	0.00	13	13	2.53	4	4	9.70	0	0
OCEAN	6	0	0.00	20	10	6.53	4	4	5.40	0	0
PASSAIC	9	4	0.62	23	8	4.33	6	2	1.75	0	9
SALEM	4	1	0.00	5	0	0.00	1	1	5.48	0	2
SOMERSET	5	2	0.00	63	18	3.03	2	1	2.87	0	0
SUSSEX	5	4	0.15	22	22	4.27	2	2	2.27	0	3
UNION	4	2	0.00	130	34	3.58	5	5	5.12	0	9
UNKNOWN	0	0	0.00	0	0	0.00	0	0	0.00	0	0
WARREN	7	5	0.28	21	18	4.31	2	2	0.00	0	0
NW Region	23	13	0.36	79	61	3.95	14	10	5.22	0	12
NE Region	31	6	1.09	151	58	5.51	23	14	3.74	6	42
CW Region	20	12	0.51	97	45	3.34	8	7	4.66	1	12
CE Region	26	4	0.00	263	90	4.21	19	19	4.16	0	35
South Region	38	10	0.46	189	21	4.34	21	17	1.19	1	31
State Total	138	45	0.49	779	275	4.31	85	67	3.51	8	132