

New Jersey Department of Health and Senior Services
Communicable Disease Service
Influenza Brief
Week Ending May 02, 2009 (MMWR Week 17)

Influenza activity level: **REGIONAL**

New Jersey	% ILI week 17 (range county level)	% ILI week 17, last year	State Baseline*	% ILI previous week 16 same year
Long Term Care Facilities	0.68% (0.00-3.23%)	0.64%	0.69%	0.73%
Schools (absenteeism)	4.09% (1.95-5.40%)	3.93%	5.17%	4.35%
Emergency Departments	5.01% (0.00-9.17%)	2.87%	2.60%	3.16%

Influenza Activity Level Public Health Regions

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

* 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).

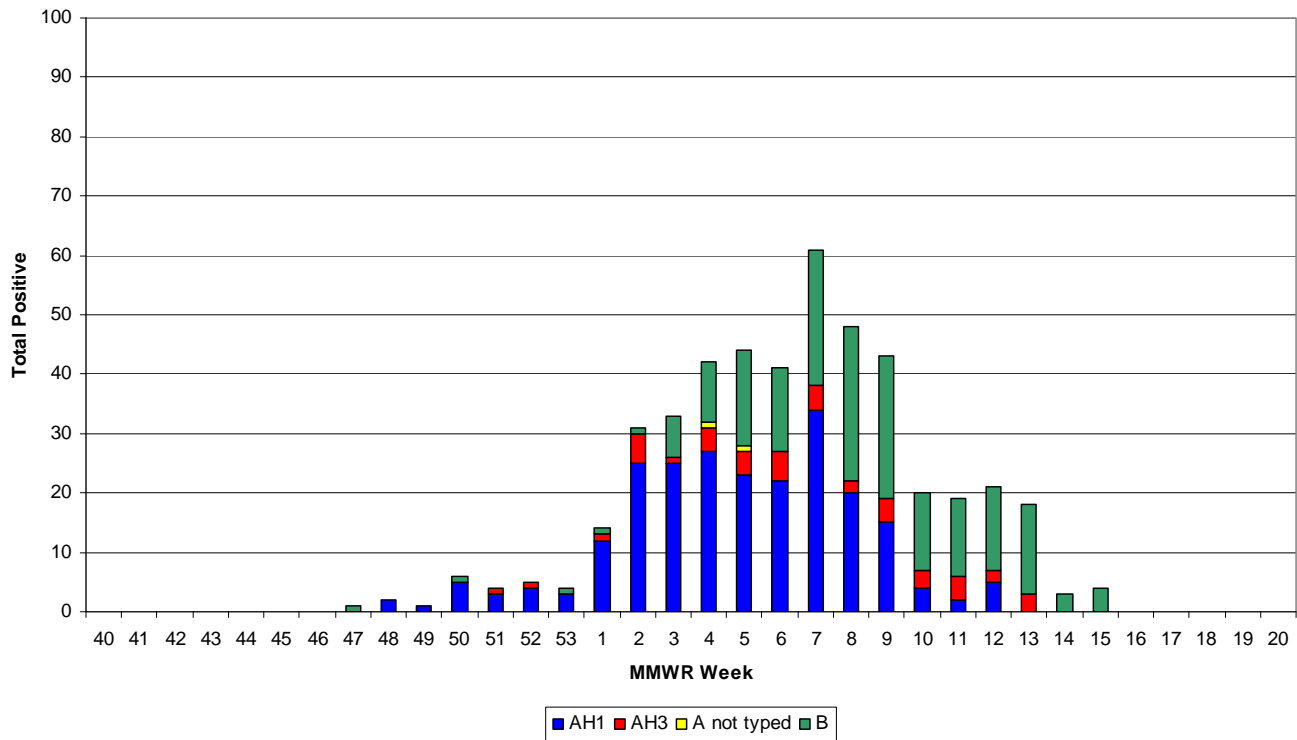
Laboratory

As of week 14, 465 samples were found to be positive by viral culture for influenza AH1, AH3 and influenza B. An additional 17 samples collected as part of the Novel Influenza A H1N1 outbreak have been found to be positive by PCR for AH3.

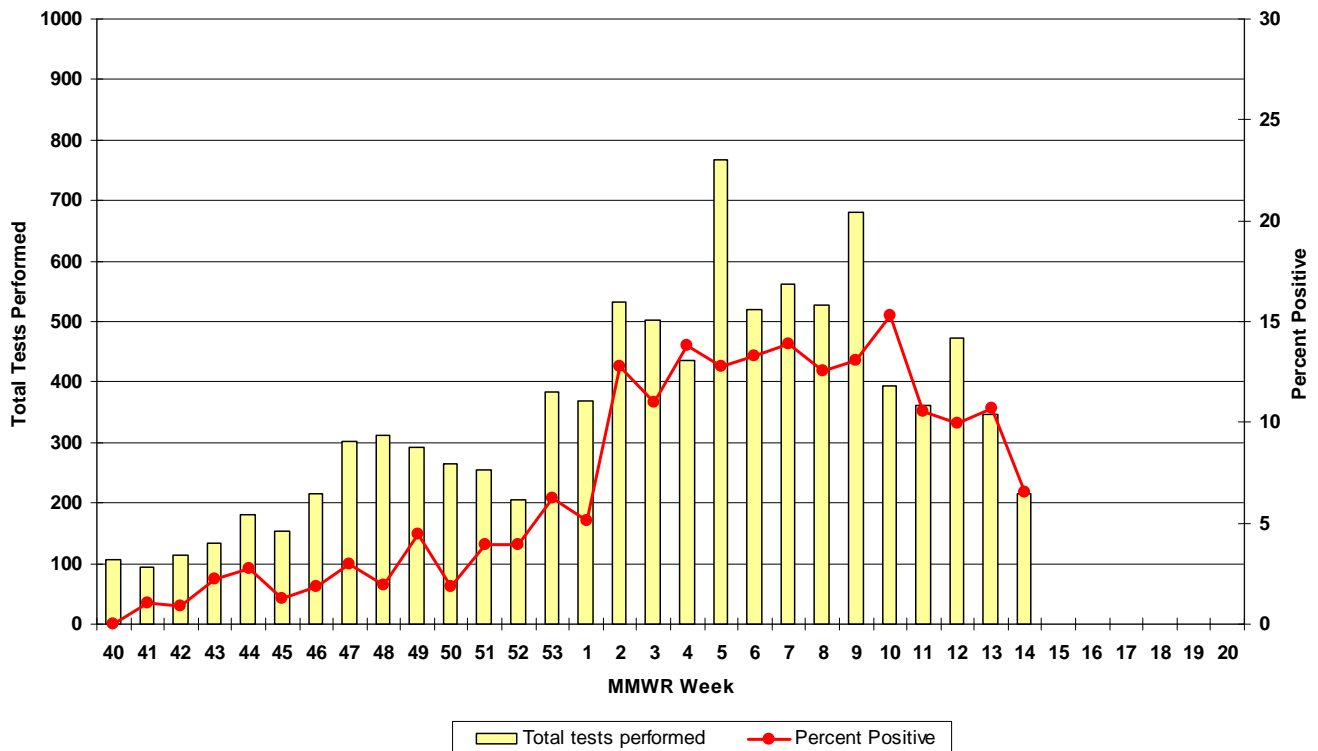
County	Week 40 to Week 17							Week 15,16,17						
	Rapid*			Culture*				Rapid*			Culture*			
	A	B	A/B	A H1	A H3	A UNK	B	A	B	A/B	A H1	A H3	A UNK	B
Atlantic County	35	15	0	9	1	0	2	3	1	0	0	0	0	0
Bergen County	24	13	0	11	2	2	7	0	0	0	0	0	0	0
Burlington County	58	22	0	1	0	0	1	1	1	0	0	0	0	0
Camden County	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	0	0	6	0	0	0	0	0	0	0
Essex County	166	60	16	28	8	0	18	6	2	1	0	0	0	0
Gloucester County	0	0	0	5	0	0	13	0	0	0	0	0	0	1
Hudson County	31	9	0	25	4	0	27	0	0	0	0	0	0	3
Hunterdon County	7	0	59	22	5	0	12	3	0	0	0	0	0	0
Mercer County	2	0	0	14	0	0	8	0	0	0	0	0	0	0
Middlesex County	28	2	0	22	5	0	18	0	0	0	0	0	0	1
Monmouth County	57	23	67	13	3	0	8	0	0	0	0	0	0	0
Morris County	0	0	0	17	1	0	16	0	0	0	0	0	0	0
Ocean County	0	0	0	1	3	0	1	0	0	0	0	0	0	0
Passaic County	51	12	0	4	0	0	7	2	0	0	0	0	0	1
Salem County	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Somerset County	0	0	14	15	5	0	12	0	0	0	0	0	0	0
Sussex County	38	21	0	1	0	0	2	3	0	0	0	0	0	0
Union County	7	3	0	19	6	0	21	2	1	0	0	0	0	1
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	546	199	156	232	44	2	187	20	5	1	0	0	0	7

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**Influenza Laboratory Report
Viral Culture Positive Specimens by Week
2008-2009 Influenza Season**

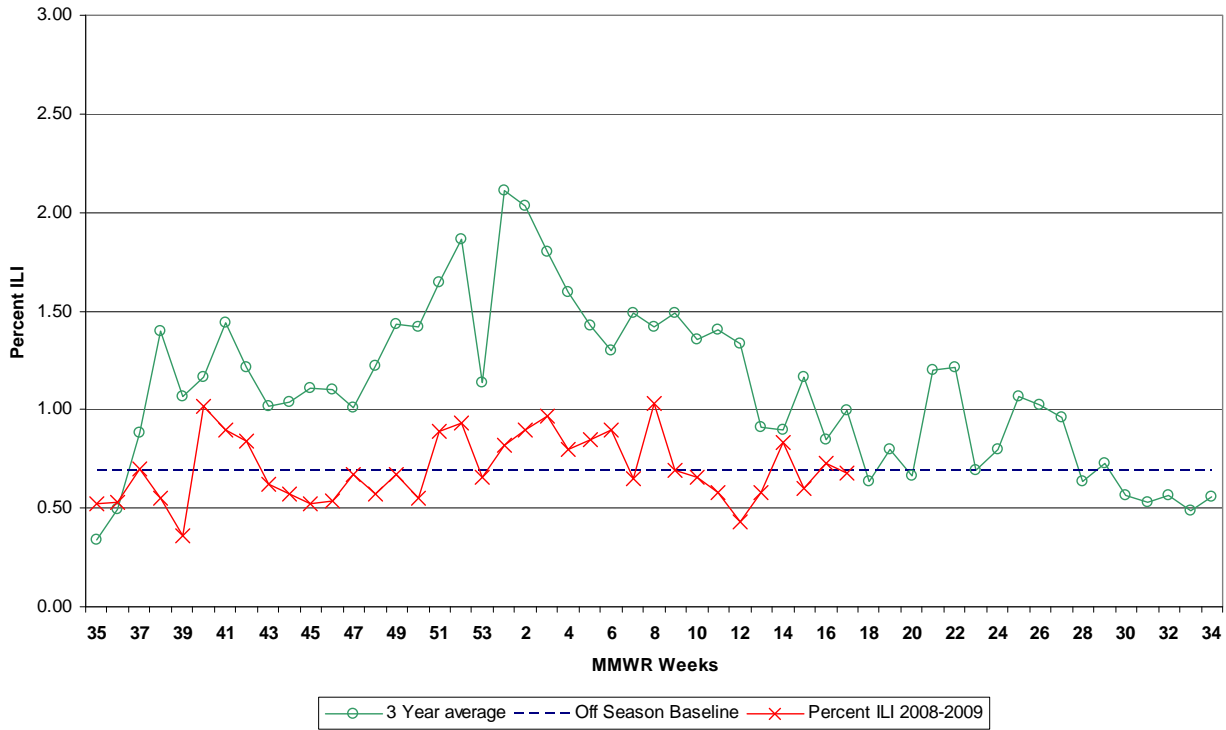


**Influenza Rapid Antigen Tests
Total and Percent Positive
2008-2009 Influenza Season**

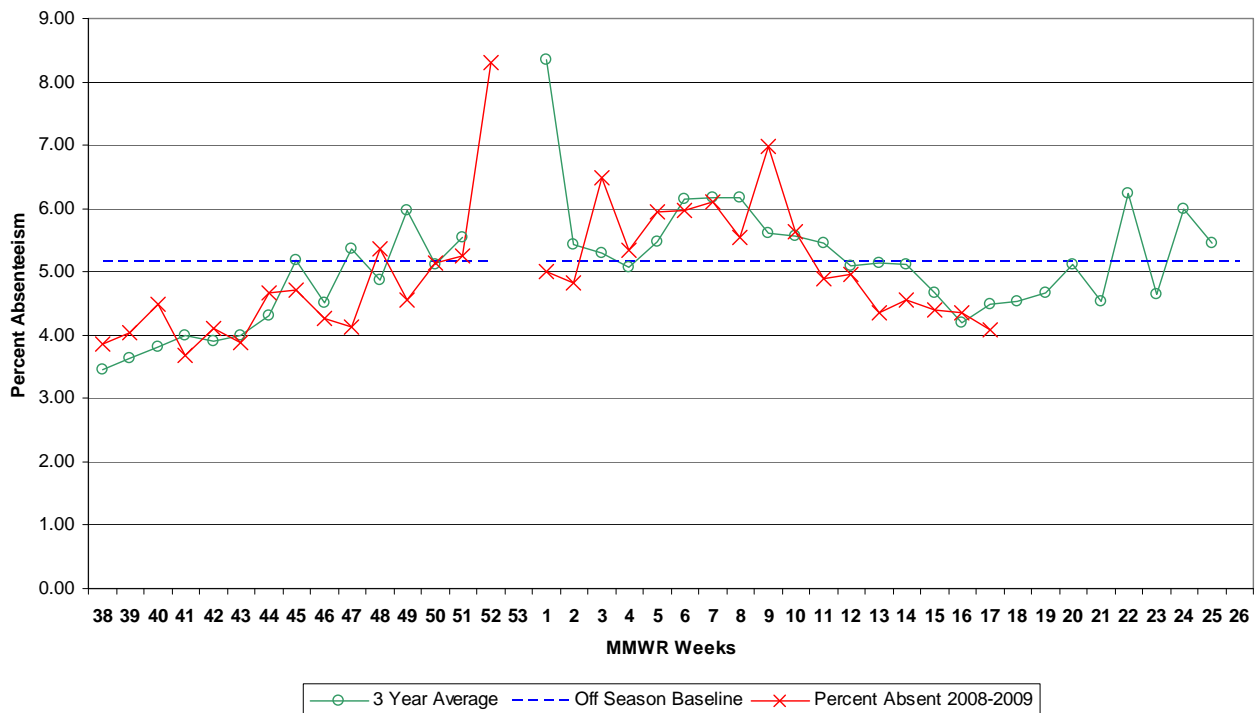


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**New Jersey Department of Health and Senior Services
Influenza-like Activity - Long Term Care Facilities**

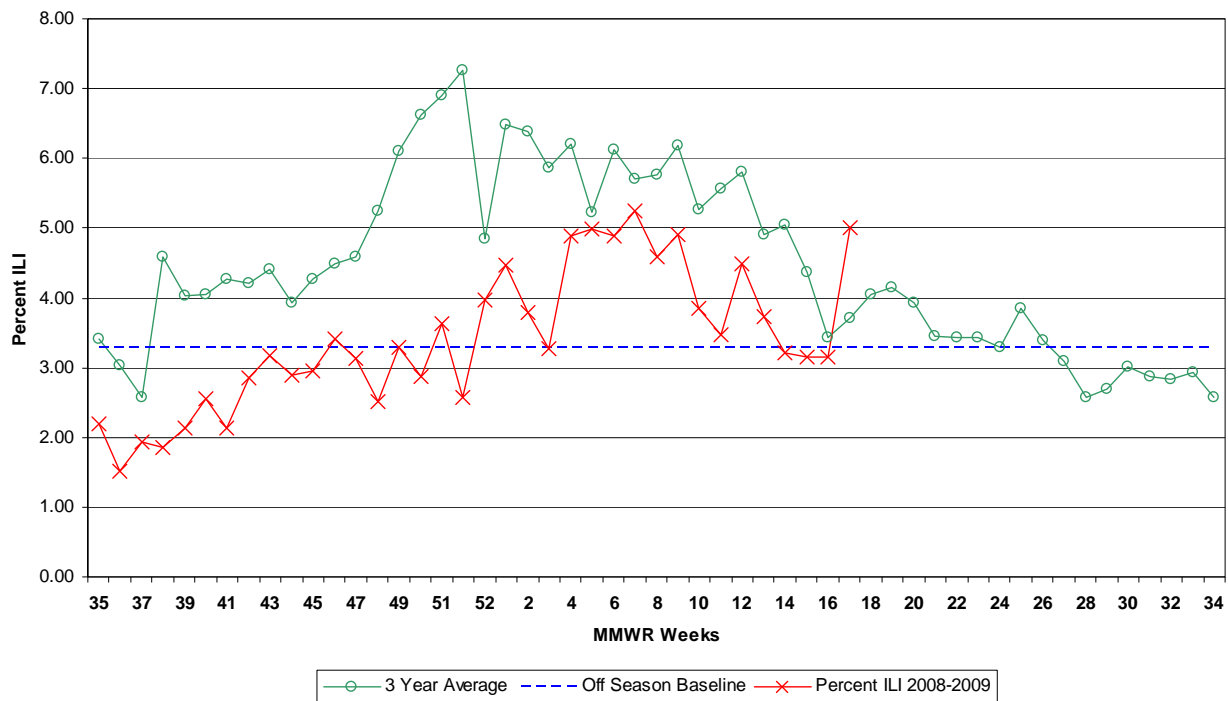


**New Jersey Department of Health and Senior Services
Influenza-like Activity - School Absenteeism**

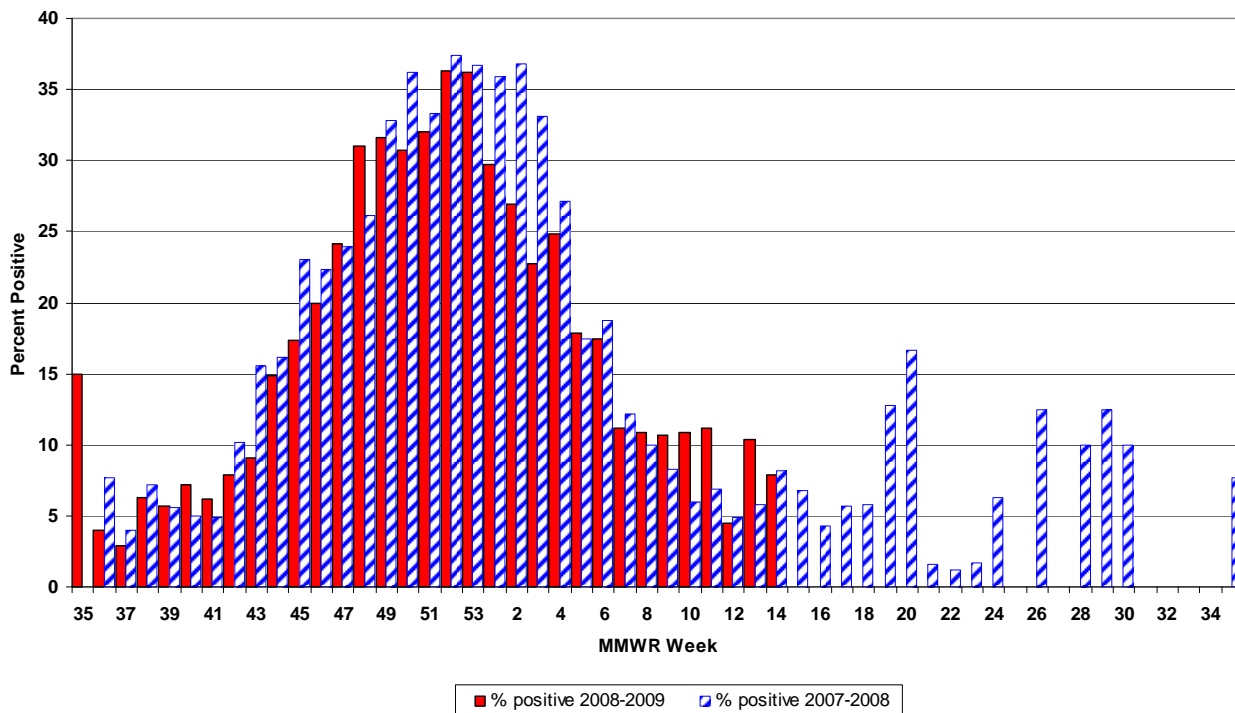


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**New Jersey Department of Health and Senior Services
Influenza-like Activity - Emergency Departments**



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

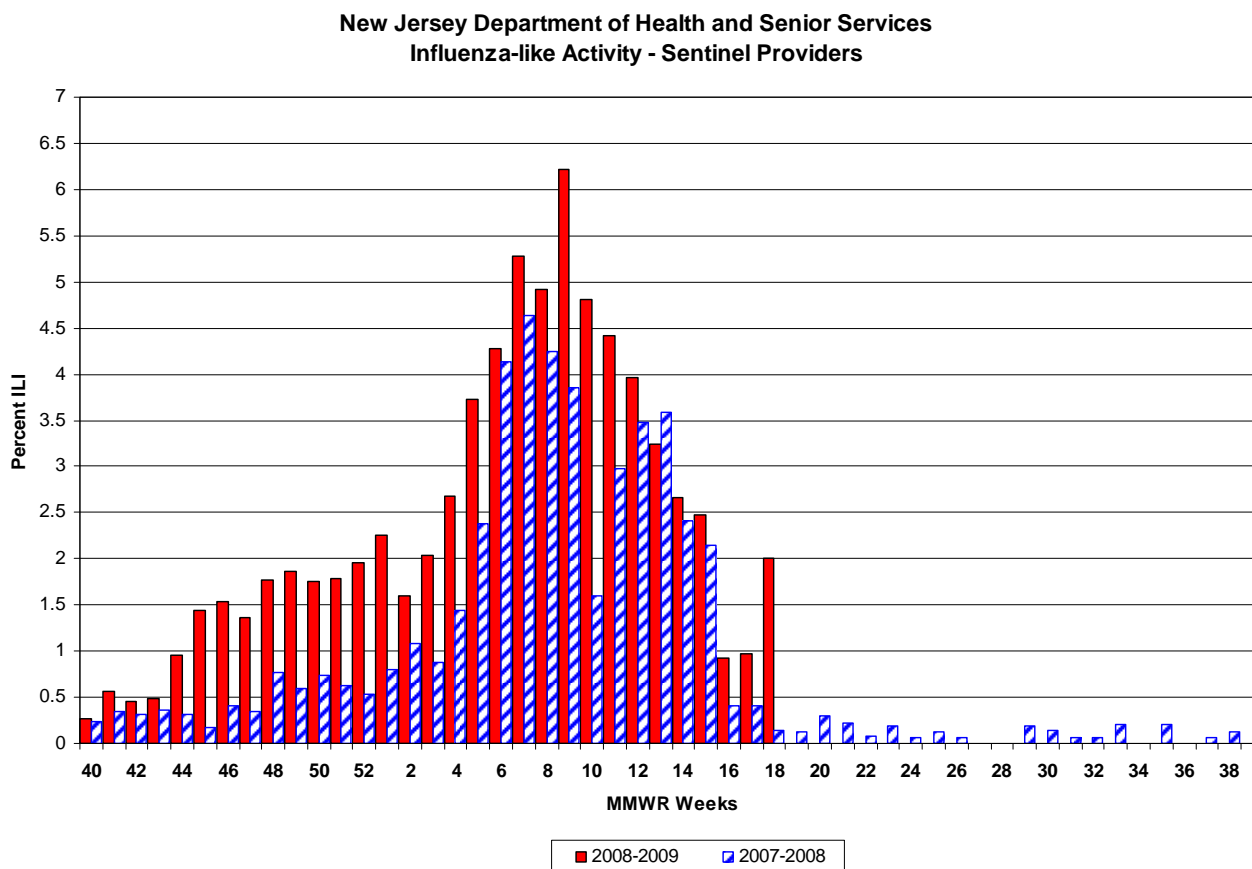


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Sentinel Provider Surveillance

During week 17, 2.01% of sentinel provider patient visits were due to ILI. These data reflect reports from sixteen (36%) of the enrolled sentinel providers. * Percent ILI decrease to 1.76% when one hospital based provider is removed.

During week 16, 0.97% of sentinel provider patient visits were due to ILI. These data reflect reports from seventeen (39%) of the enrolled sentinel providers.



Novel Influenza A H1N1

As of 5/5/09 at 12:00pm, NJ has identified 7 individuals from 4 counties who have been infected with the Novel Influenza AH1N1 virus. All individuals had mild illness and are recovering. The ages of cases ranged from 10 to 47 years and the onset dates ranged from 4/22/09 to 4/26/09.

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	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	1	2.03	19	15	5.35	4	3	3.61	2	19
BERGEN	3	0	0.00	25	15	4.76	6	0	0.00	0	6
BURLINGTON	6	2	0.00	115	52	3.93	3	3	1.91	1	8
CAMDEN	7	0	0.00	17	0	0.00	7	0	0.00	0	12
CAPE MAY	6	4	0.63	11	10	3.42	1	1	6.72	0	3
CUMBERLAND	6	2	1.30	18	8	5.40	3	3	5.40	0	2
ESSEX	18	2	3.23	34	3	3.21	11	5	6.58	3	13
GLOUCESTER	5	5	0.00	4	3	3.37	2	2	3.85	2	3
HUDSON	10	2	2.04	92	55	5.09	6	2	0.00	0	6
HUNTERDON	4	4	0.44	8	8	2.26	1	1	3.23	0	6
MERCER	11	5	0.52	26	21	3.73	5	3	4.41	0	4
MIDDLESEX	2	0	0.00	89	28	3.81	5	1	9.17	1	17
MONMOUTH	14	1	0.00	24	13	4.76	5	3	2.91	0	227
MORRIS	2	0	0.00	13	13	1.95	4	1	3.32	2	24
OCEAN	6	0	0.00	20	8	4.64	4	3	5.46	0	0
PASSAIC	9	4	0.00	23	5	4.83	6	2	6.03	3	17
SALEM	4	2	0.45	5	0	0.00	1	1	5.88	0	1
SOMERSET	5	3	0.30	63	19	2.19	2	0	0.00	1	2
SUSSEX	5	5	1.21	22	19	3.47	2	2	1.67	1	7
UNION	4	2	0.00	130	41	4.26	5	5	5.60	0	17
UNKNOWN	0	0	0.00	0	0	0.00	0	0	0.00	0	0
WARREN	7	2	0.00	21	11	3.79	2	2	8.59	0	0
NW Region	23	11	0.76	79	48	3.40	14	7	5.36	6	48
NE Region	31	4	2.39	151	73	5.00	23	7	6.50	3	25
CW Region	20	12	0.43	97	48	2.89	8	4	4.20	1	12
CE Region	26	3	0.00	263	90	4.19	19	12	5.47	1	261
South Region	38	16	0.65	189	88	4.30	21	13	3.88	5	48
State Total	138	46	0.68	779	347	4.09	85	43	5.01	16	394