

New Jersey Department of Health and Senior Services
Communicable Disease Service
Influenza Brief
Week Ending September 5, 2009 (MMWR Week 35)

Influenza activity level: **LOCAL**

NOTE: ILI activity is down in all counties. Local activity is primarily indicative of confirmatory laboratory results for novel influenza A H1N1 from 1 county in the past 3 weeks.

| New Jersey | % ILI week 35 (range county level) | % ILI week 35 last year | State Baseline* | % ILI previous week 34 same year |
|--------------------------------------|---|------------------------------------|----------------------------|---|
| Long Term Care Facilities | 0.72% (0.00-3.20%) | 0.52% | 0.69% | 0.81% |
| Schools (absenteeism) | CLOSED | CLOSED | CLOSED | CLOSED |
| Emergency Departments | 2.70% (0.00-15.38%) | 2.90% | 2.60% | 2.46% |

Influenza Activity Level Public Health Regions

| Region | Counties in Region | Activity Level |
|---------------|---|-----------------------|
| NW Region | Morris, Passaic, Sussex, Warren | NO ACTIVITY |
| NE Region | Bergen, Essex, Hudson | LOCAL |
| CW Region | Hunterdon, Mercer, Somerset | NO ACTIVITY |
| CE Region | Middlesex, Monmouth, Ocean, Union | LOCAL |
| South Region | Atlantic, Burlington, Camden, Cape May, Salem, Cumberland, Gloucester | NO ACTIVITY |

Sentinel Provider Surveillance

During week 35, 3.07% of sentinel provider patient visits were due to ILI. These data reflect reports from nine (20%) of the enrolled sentinel providers.

During week 34, 1.11% of sentinel provider patient visits were due to ILI. These data reflect reports from twenty (45%) 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).

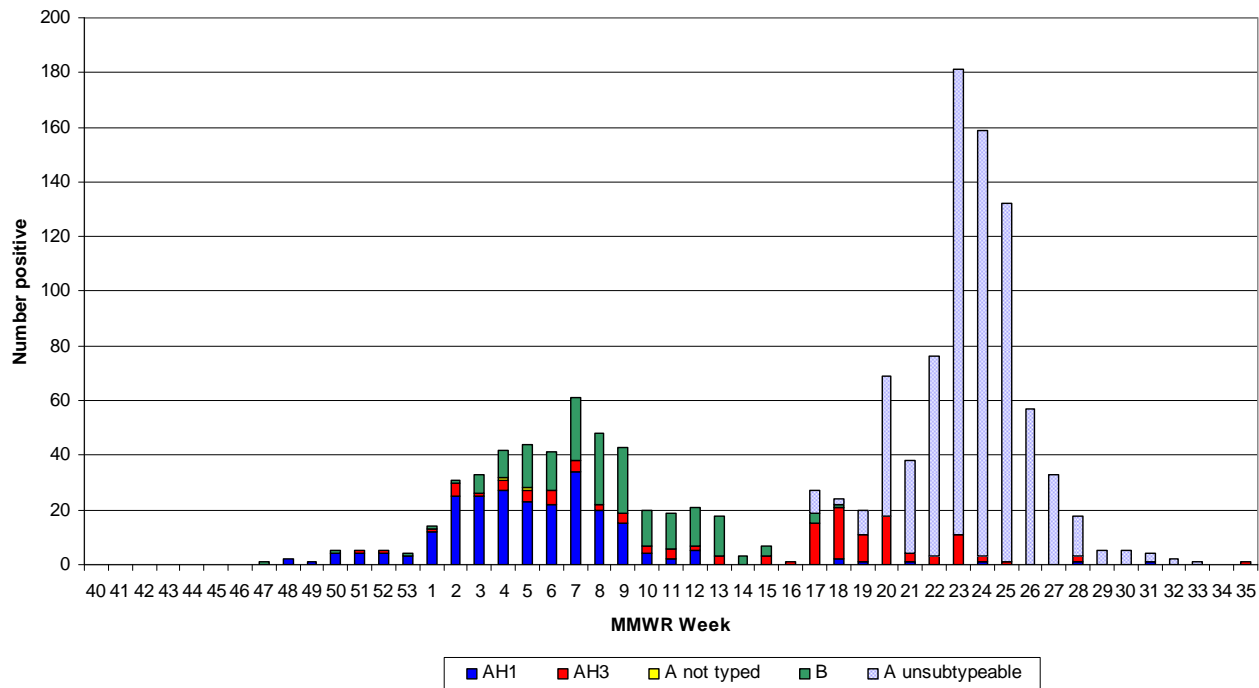
Laboratory

As of week 35, 565 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.

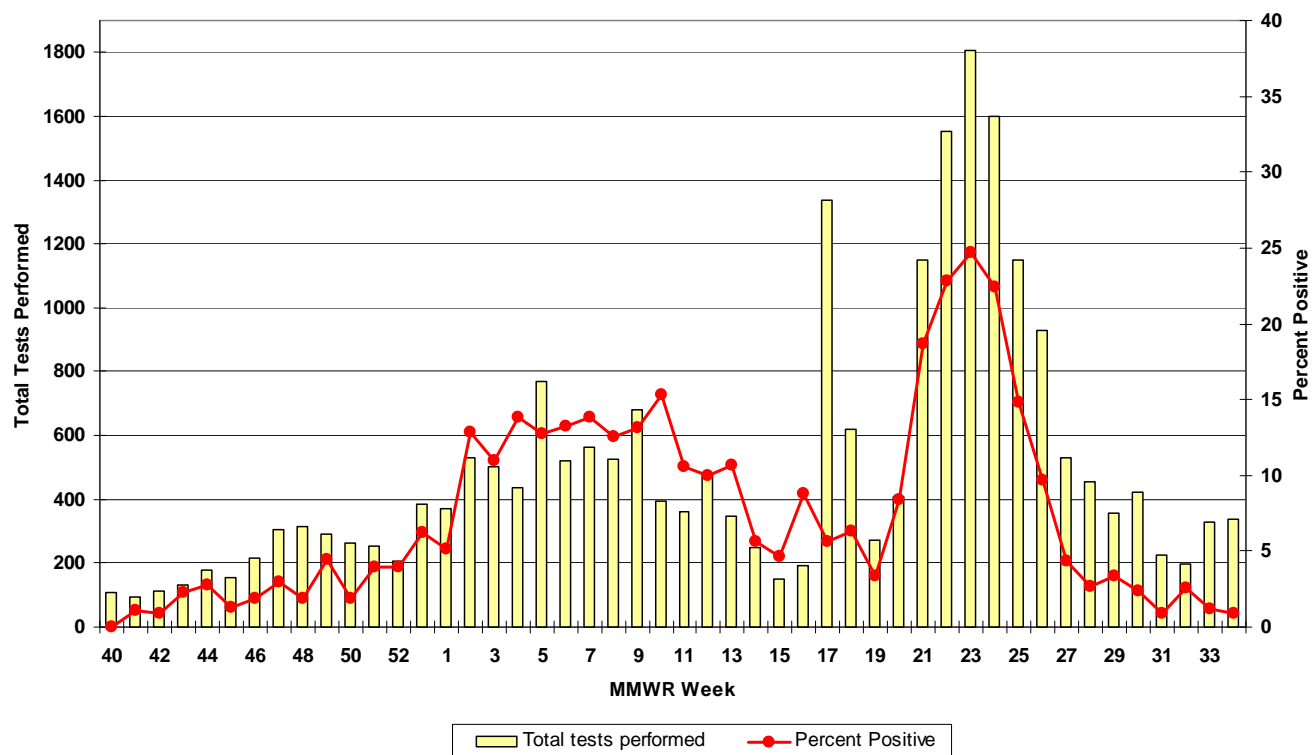
| County | Week 40 to Week 35 | | | | | | | Week 33, 34, 35 | | | | | | |
|-------------------|--------------------|-----|-----|----------|------|-------|-----|-----------------|---|-----|----------|------|-------|---|
| | Rapid* | | | Culture* | | | | Rapid* | | | Culture* | | | |
| | A | B | A/B | A H1 | A H3 | A UNK | B | A | B | A/B | A H1 | A H3 | A UNK | B |
| Atlantic County | 88 | 17 | 0 | 9 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bergen County | 206 | 13 | 0 | 11 | 17 | 2 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Burlington County | 111 | 24 | 0 | 2 | 0 | 0 | 1 | 1 | 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 | 0 | 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 | 23 | 28 | 20 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gloucester County | 0 | 0 | 0 | 5 | 0 | 0 | 13 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hudson County | 291 | 12 | 0 | 26 | 20 | 0 | 29 | 2 | 0 | 0 | 0 | 1 | 0 | 0 |
| Hunterdon County | 35 | 0 | 82 | 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 | 66 | 23 | 76 | 13 | 5 | 0 | 8 | 4 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morris County | 0 | 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 | 411 | 15 | 0 | 4 | 4 | 0 | 7 | 1 | 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 | 23 | 15 | 6 | 0 | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sussex County | 73 | 23 | 0 | 1 | 1 | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| Union County | 268 | 6 | 18 | 19 | 10 | 0 | 21 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Warren County | 51 | 13 | 0 | 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Unknown | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| State Total | 2329 | 222 | 222 | 239 | 132 | 2 | 192 | 10 | 1 | 1 | 0 | 1 | 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

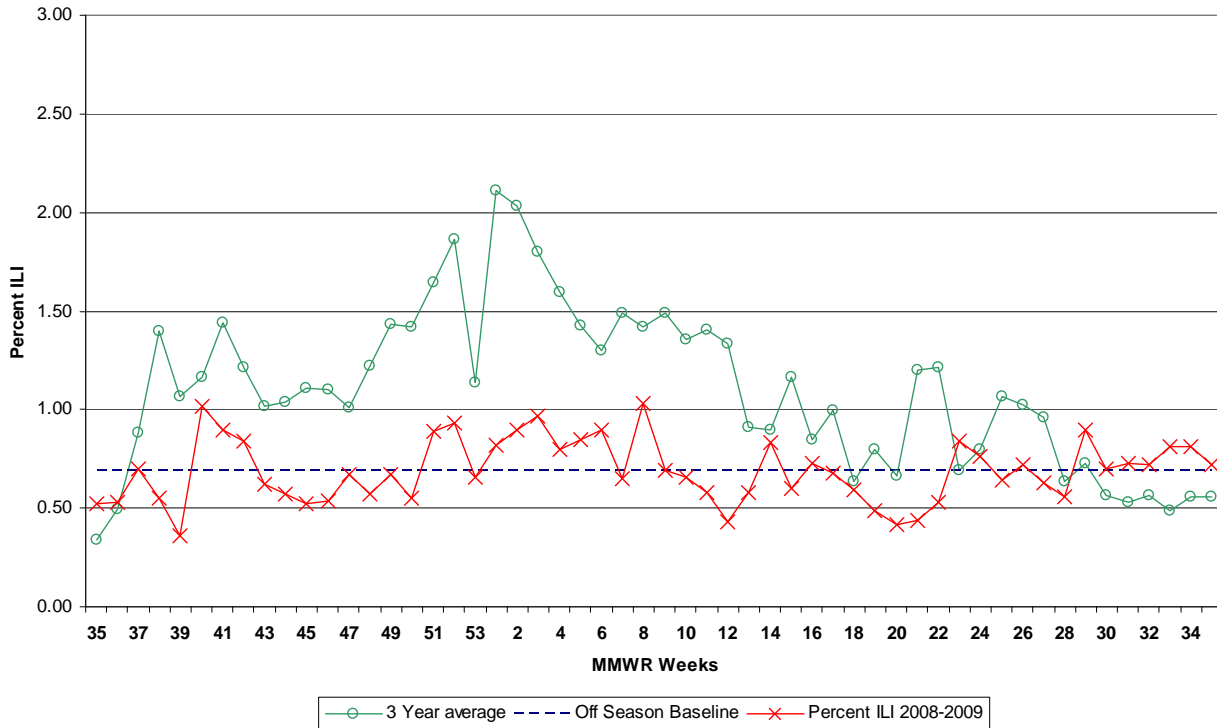


Influenza Rapid Antigen Tests
Total and Percent Positive
2008-2009 Influenza Season

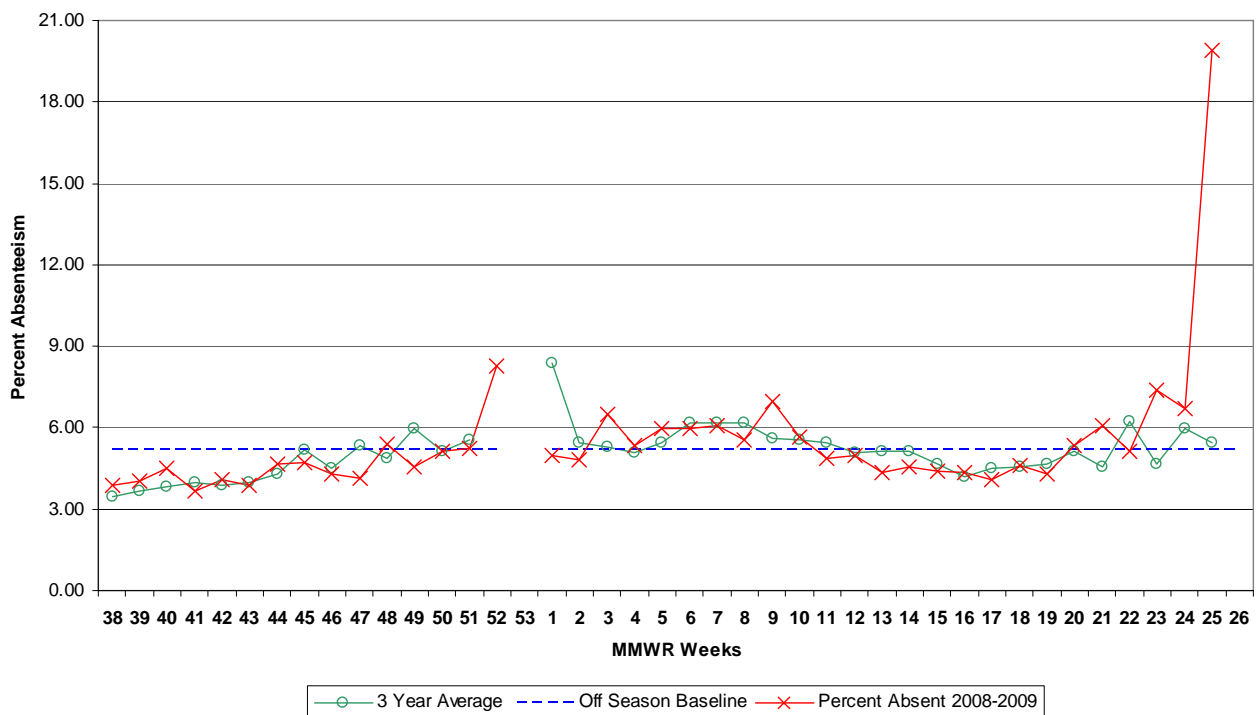


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**New Jersey Department of Health and Senior Services
Influenza-like Activity - Long Term Care Facilities**



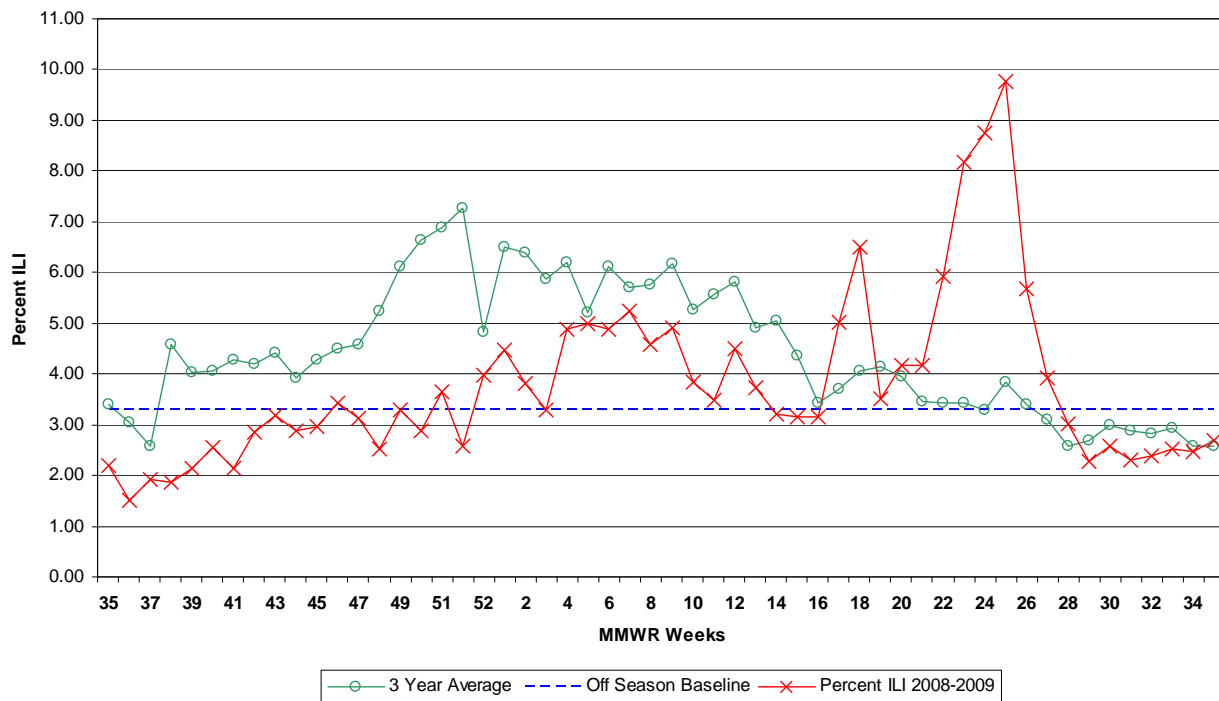
**New Jersey Department of Health and Senior Services
Influenza-like Activity - School Absenteeism**



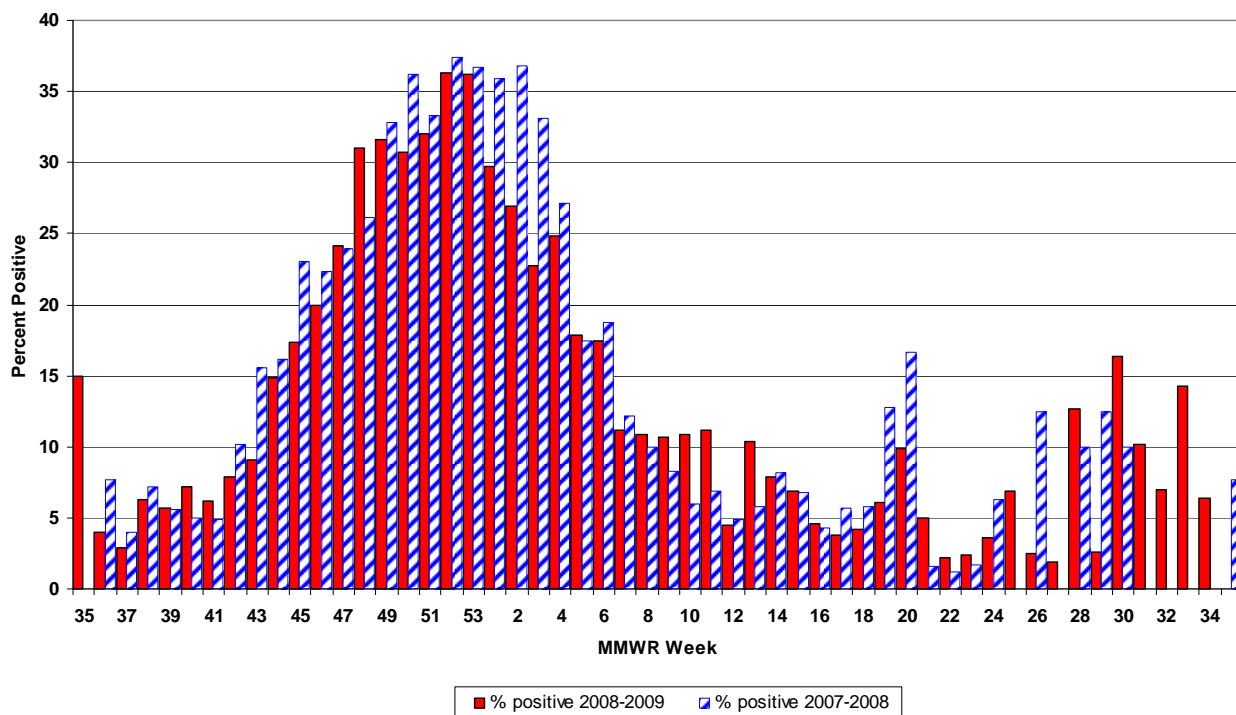
*Reports received from 5 counties.

* 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**

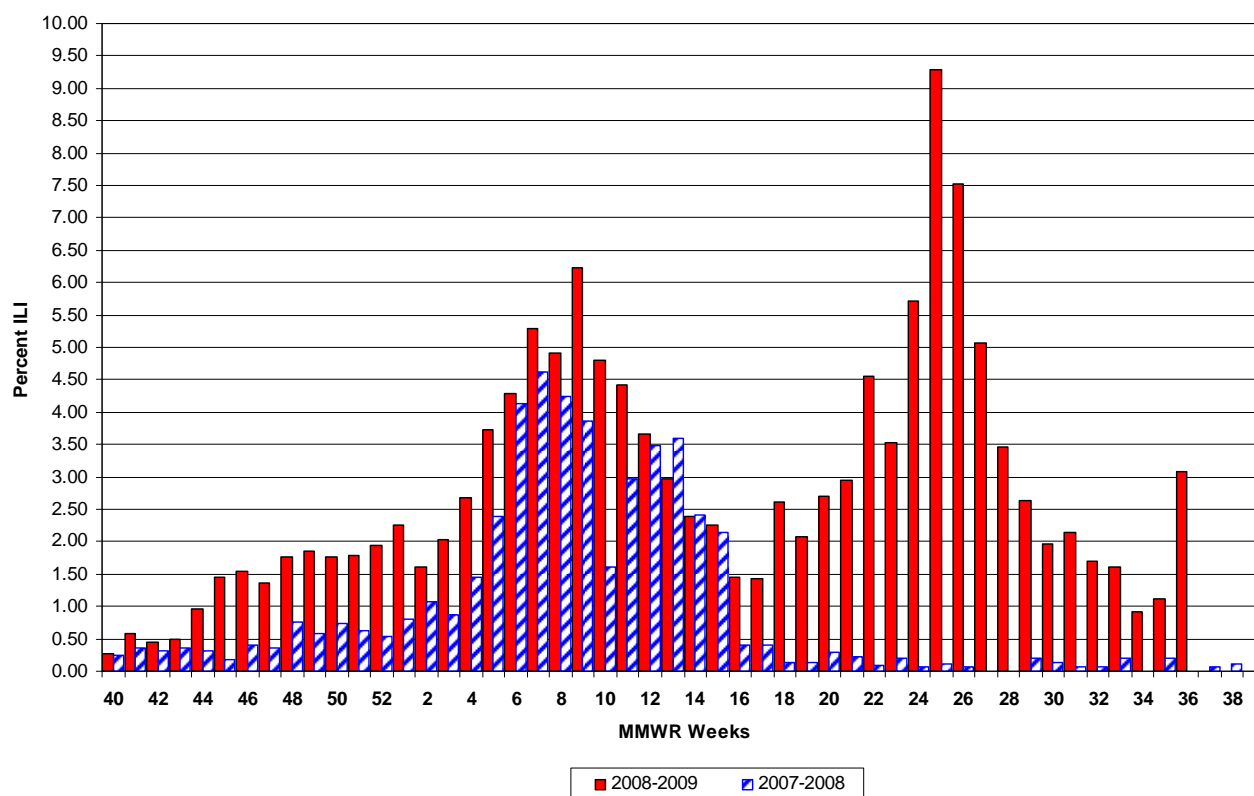


**New Jersey Department of Health and Senior Services
Respiratory Syncytial Virus (RSV) Surveillance by Week, 2006-2008**



* 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

New definitions for reporting incident cases who were hospitalized or have died from all influenza by MMWR week will be implemented in week 35. These reports will be available in week 36.

* 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 |
| September, 1, 2009 12:00 AM | MMRW WEEK 35 | | | | | | | | |
| ATLANTIC | 4 | 1 | 0.57 | 19 | 0 | 0.00 | 4 | 3 | 0.46 |
| BERGEN | 3 | 1 | 0.00 | 25 | 0 | 0.00 | 6 | 3 | 1.81 |
| BURLINGTON | 6 | 3 | 0.00 | 115 | 0 | 0.00 | 3 | 2 | 1.18 |
| CAMDEN | 7 | 0 | 0.00 | 17 | 0 | 0.00 | 7 | 6 | 1.45 |
| CAPE MAY | 6 | 3 | 1.11 | 11 | 0 | 0.00 | 1 | 1 | 10.00 |
| CUMBERLAND | 6 | 1 | 3.20 | 18 | 0 | 0.00 | 3 | 2 | 0.39 |
| ESSEX | 18 | 3 | 1.40 | 34 | 0 | 0.00 | 11 | 8 | 1.58 |
| GLOUCESTER | 5 | 1 | 0.00 | 4 | 0 | 0.00 | 2 | 1 | 1.70 |
| HUDSON | 10 | 0 | 0.00 | 94 | 0 | 0.00 | 6 | 4 | 3.47 |
| HUNTERDON | 4 | 4 | 1.41 | 8 | 0 | 0.00 | 1 | 1 | 0.00 |
| MERCER | 11 | 0 | 0.00 | 26 | 0 | 0.00 | 5 | 3 | 3.63 |
| MIDDLESEX | 2 | 0 | 0.00 | 89 | 0 | 0.00 | 5 | 5 | 2.26 |
| MONMOUTH | 14 | 4 | 0.00 | 24 | 0 | 0.00 | 5 | 5 | 3.04 |
| MORRIS | 2 | 0 | 0.00 | 13 | 0 | 0.00 | 4 | 2 | 15.38 |
| OCEAN | 6 | 1 | 0.00 | 20 | 0 | 0.00 | 4 | 3 | 3.30 |
| PASSAIC | 9 | 0 | 0.00 | 23 | 0 | 0.00 | 6 | 1 | 2.29 |
| SALEM | 4 | 0 | 0.00 | 5 | 0 | 0.00 | 1 | 1 | 0.00 |
| SOMERSET | 6 | 2 | 0.95 | 63 | 0 | 0.00 | 2 | 1 | 0.00 |
| SUSSEX | 5 | 4 | 0.13 | 22 | 0 | 0.00 | 2 | 2 | 6.78 |
| UNION | 4 | 0 | 0.00 | 130 | 0 | 0.00 | 5 | 3 | 4.81 |
| UNKNOWN | 0 | 0 | 0.00 | 1 | 0 | 0.00 | 0 | 0 | 0.00 |
| WARREN | 8 | 2 | 0.48 | 24 | 0 | 0.00 | 2 | 2 | 0.71 |
| NW Region | 24 | 6 | 0.20 | 82 | 0 | 0.00 | 14 | 7 | 6.16 |
| NE Region | 31 | 4 | 1.02 | 153 | 0 | 0.00 | 23 | 15 | 1.98 |
| CW Region | 21 | 6 | 1.26 | 97 | 0 | 0.00 | 8 | 5 | 2.29 |
| CE Region | 26 | 5 | 0.00 | 263 | 0 | 0.00 | 19 | 16 | 3.17 |
| South Region | 38 | 9 | 0.86 | 189 | 0 | 0.00 | 21 | 16 | 1.66 |
| State Total | 140 | 30 | 0.72 | 784 | 0 | 0.00 | 85 | 59 | 2.70 |