

**New Jersey Department of Health and Senior Services**  
**Communicable Disease Service**  
**Influenza Brief**  
**Week Ending July 11, 2009 (MMWR Week 27)**

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

NOTE: ILI activity is down in all counties. Widespread activity is primarily indicative of confirmatory laboratory results for novel influenza A H1N1 from 20 counties.

| New Jersey                   | % ILI week 27<br>(range county level) | % ILI week 27<br>last year | State<br>Baseline* | % ILI previous<br>week 26 same<br>year |
|------------------------------|---------------------------------------|----------------------------|--------------------|--|
| Long Term<br>Care Facilities | 0.63%<br>(0.00-1.74%)                 | 0.33%                      | 0.69%              | 0.72%                                  |
| Schools<br>(absenteeism)     | CLOSED                                | CLOSED                     | CLOSED             | CLOSED                                 |
| Emergency<br>Departments     | 3.92%<br>(0.00-7.81)                  | 1.78%                      | 2.60%              | 5.69%                                  |

**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,<br>Cumberland, Gloucester | <b>REGIONAL</b> |

\*See note above

**Sentinel Provider Surveillance**

During week 27, 2.83% of sentinel provider patient visits were due to ILI. These data reflect reports from eleven (25%) of the enrolled sentinel providers.

During week 26, 3.78% of sentinel provider patient visits were due to ILI. These data reflect reports from nineteen (43%) 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).

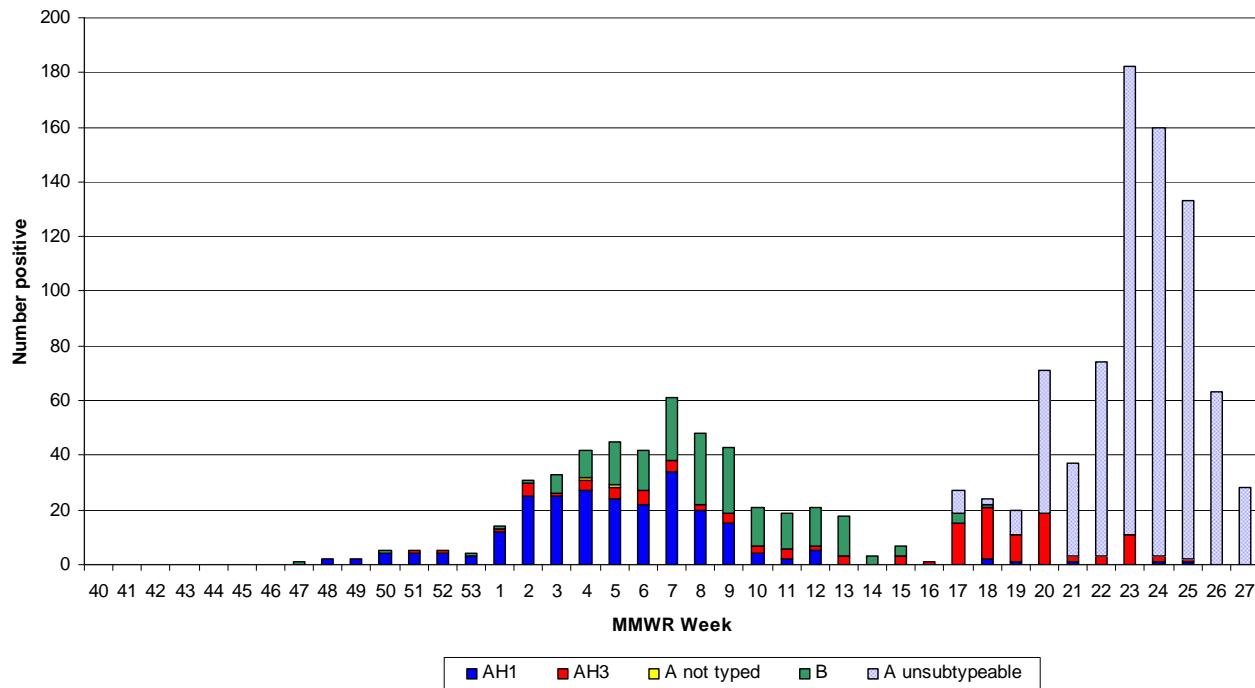
## Laboratory

As of week 26, 560 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.

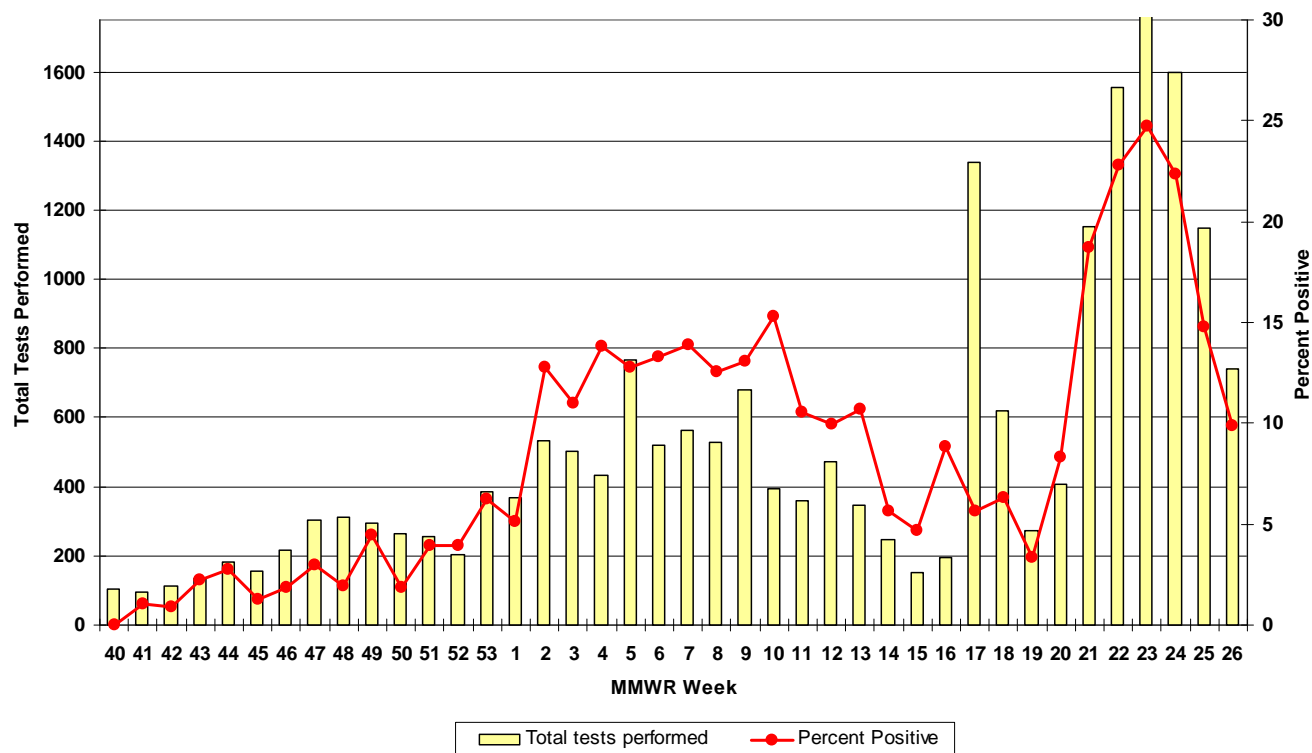
| County            | Week 40 to Week 26 |     |     |          |      |       |     | Week 24, 25, 26 |   |     |          |      |       |   |
|-------------------|--------------------|-----|-----|----------|------|-------|-----|-----------------|---|-----|----------|------|-------|---|
|                   | 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   | 78                 | 17  | 0   | 9        | 1    | 0     | 2   | 24              | 0 | 0   | 0        | 0    | 0     | 0 |
| Bergen County     | 192                | 13  | 0   | 11       | 14   | 2     | 7   | 75              | 0 | 0   | 0        | 0    | 0     | 0 |
| Burlington County | 103                | 24  | 0   | 2        | 0    | 0     | 1   | 24              | 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   | 26                 | 6   | 0   | 14       | 1    | 0     | 5   | 6               | 0 | 0   | 0        | 0    | 0     | 0 |
| Cumberland County | 0                  | 0   | 0   | 7        | 1    | 0     | 6   | 0               | 0 | 0   | 0        | 0    | 0     | 0 |
| Essex County      | 560                | 65  | 23  | 28       | 20   | 0     | 18  | 68              | 0 | 0   | 0        | 0    | 0     | 0 |
| Gloucester County | 0                  | 0   | 0   | 5        | 0    | 0     | 13  | 0               | 0 | 0   | 0        | 0    | 0     | 0 |
| Hudson County     | 285                | 12  | 0   | 26       | 19   | 0     | 29  | 104             | 0 | 0   | 1        | 0    | 0     | 0 |
| Hunterdon County  | 35                 | 0   | 80  | 22       | 8    | 0     | 13  | 25              | 0 | 4   | 0        | 0    | 0     | 0 |
| Mercer County     | 27                 | 0   | 0   | 14       | 10   | 0     | 8   | 17              | 0 | 0   | 0        | 0    | 0     | 0 |
| Middlesex County  | 104                | 4   | 0   | 24       | 15   | 0     | 18  | 17              | 0 | 0   | 0        | 1    | 0     | 0 |
| Monmouth County   | 58                 | 23  | 67  | 13       | 5    | 0     | 8   | 0               | 0 | 0   | 0        | 0    | 0     | 0 |
| Morris County     | 0                  | 0   | 0   | 18       | 5    | 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    | 406                | 15  | 0   | 4        | 4    | 0     | 7   | 100             | 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   | 22  | 15       | 6    | 0     | 12  | 0               | 0 | 2   | 0        | 0    | 0     | 0 |
| Sussex County     | 72                 | 22  | 0   | 1        | 1    | 0     | 2   | 21              | 0 | 0   | 0        | 0    | 0     | 0 |
| Union County      | 264                | 6   | 15  | 19       | 10   | 0     | 21  | 98              | 0 | 0   | 0        | 0    | 0     | 0 |
| Warren County     | 48                 | 13  | 0   | 3        | 1    | 0     | 1   | 15              | 0 | 0   | 0        | 0    | 0     | 0 |
| Unknown           | 0                  | 0   | 0   | 1        | 3    | 0     | 0   | 0               | 0 | 0   | 0        | 0    | 0     | 0 |
| State Total       | 2259               | 221 | 207 | 238      | 129  | 2     | 192 | 594             | 1 | 6   | 1        | 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

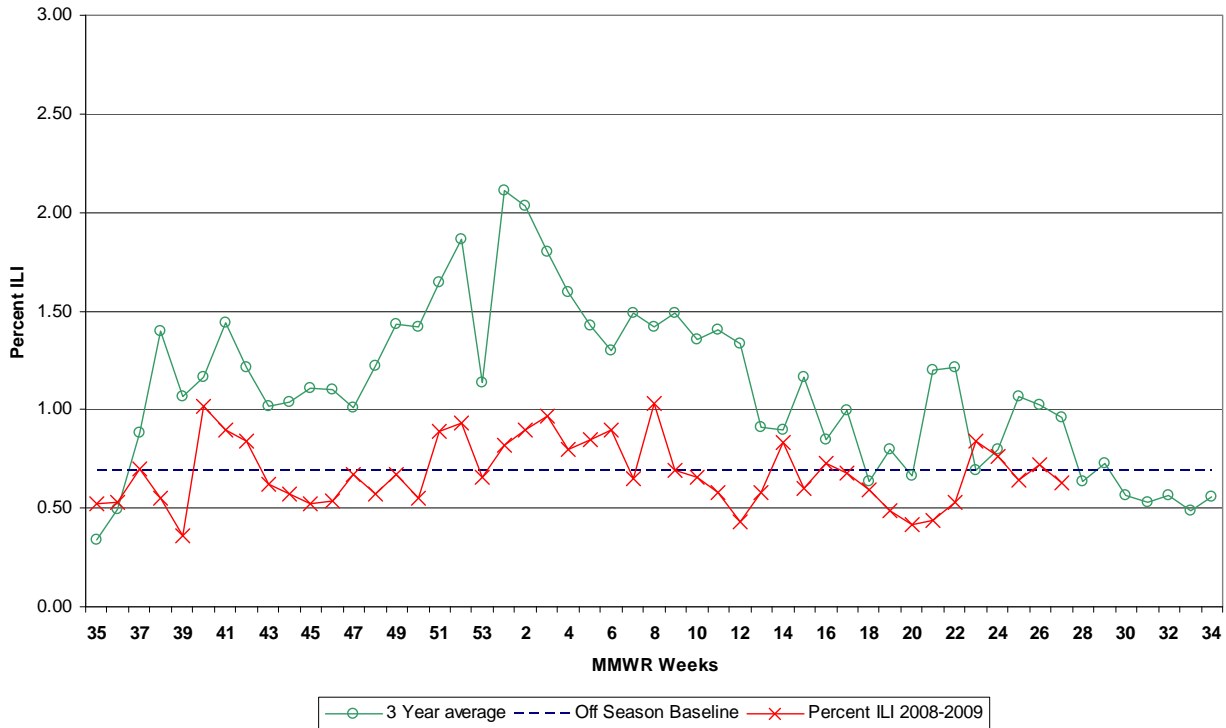


**Influenza Rapid Antigen Tests**  
**Total and Percent Positive**  
**2008-2009 Influenza Season**

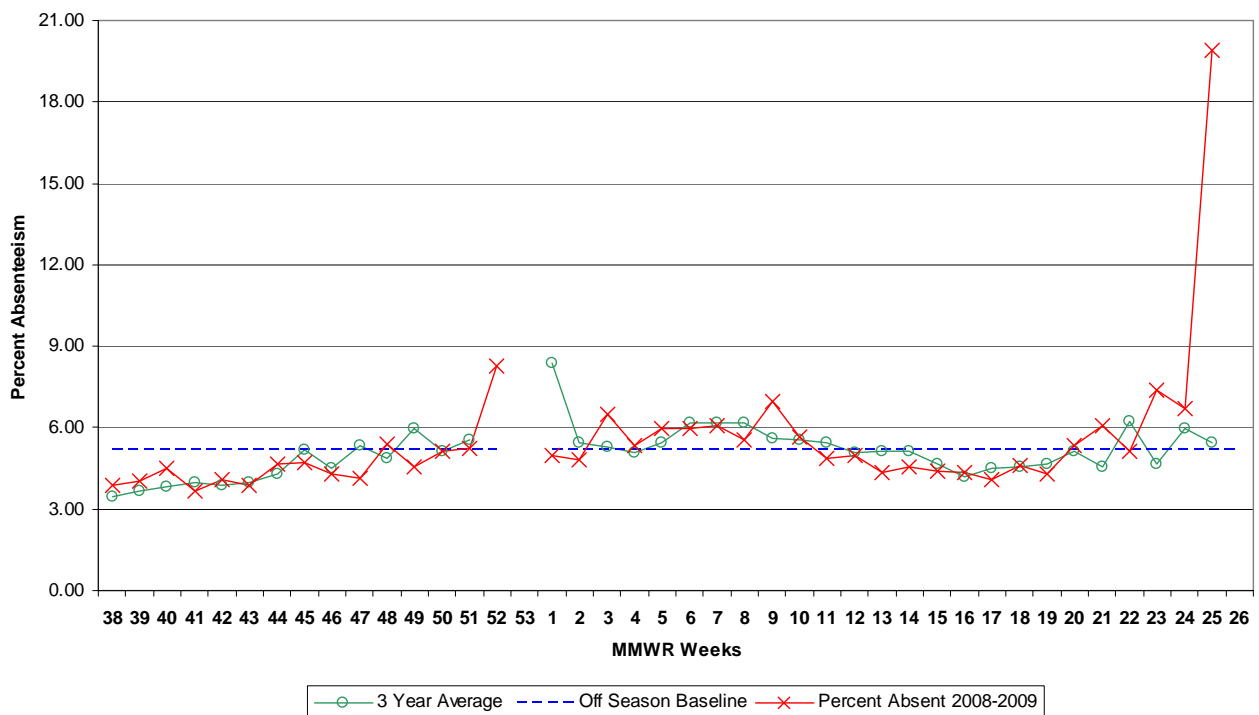


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**New Jersey Department of Health and Senior Services  
Influenza-like Activity - Long Term Care Facilities**



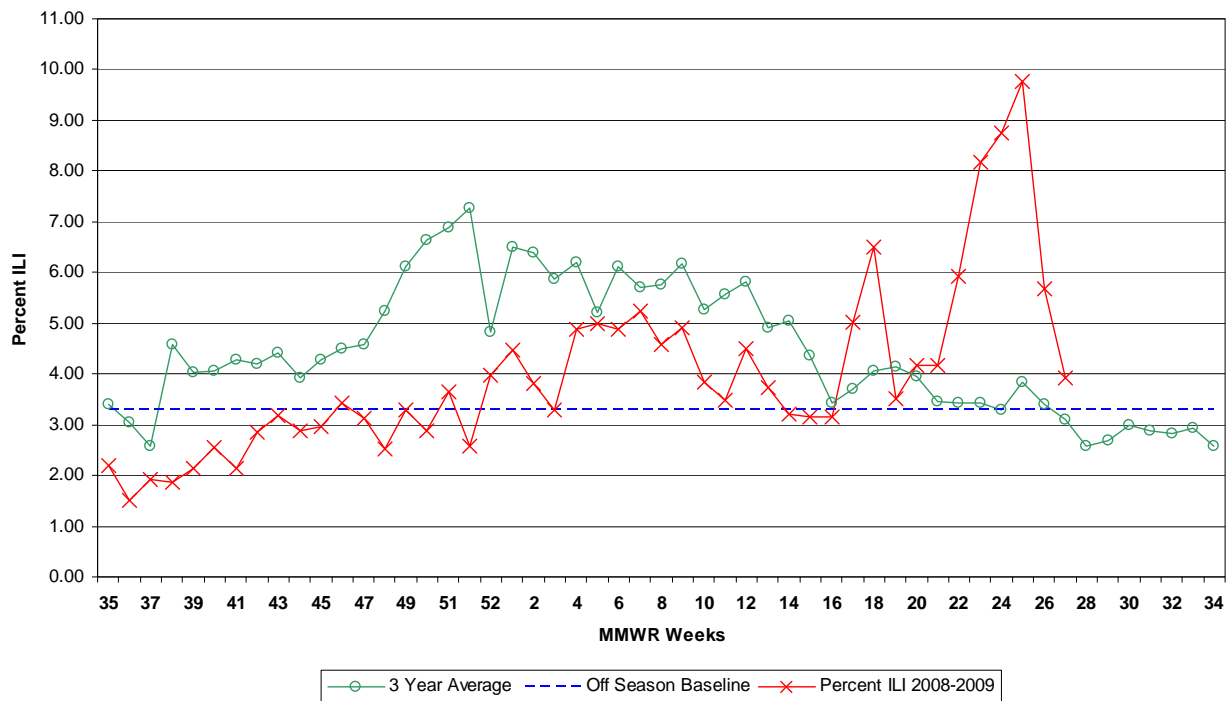
**New Jersey Department of Health and Senior Services  
Influenza-like Activity - School Absenteeism**



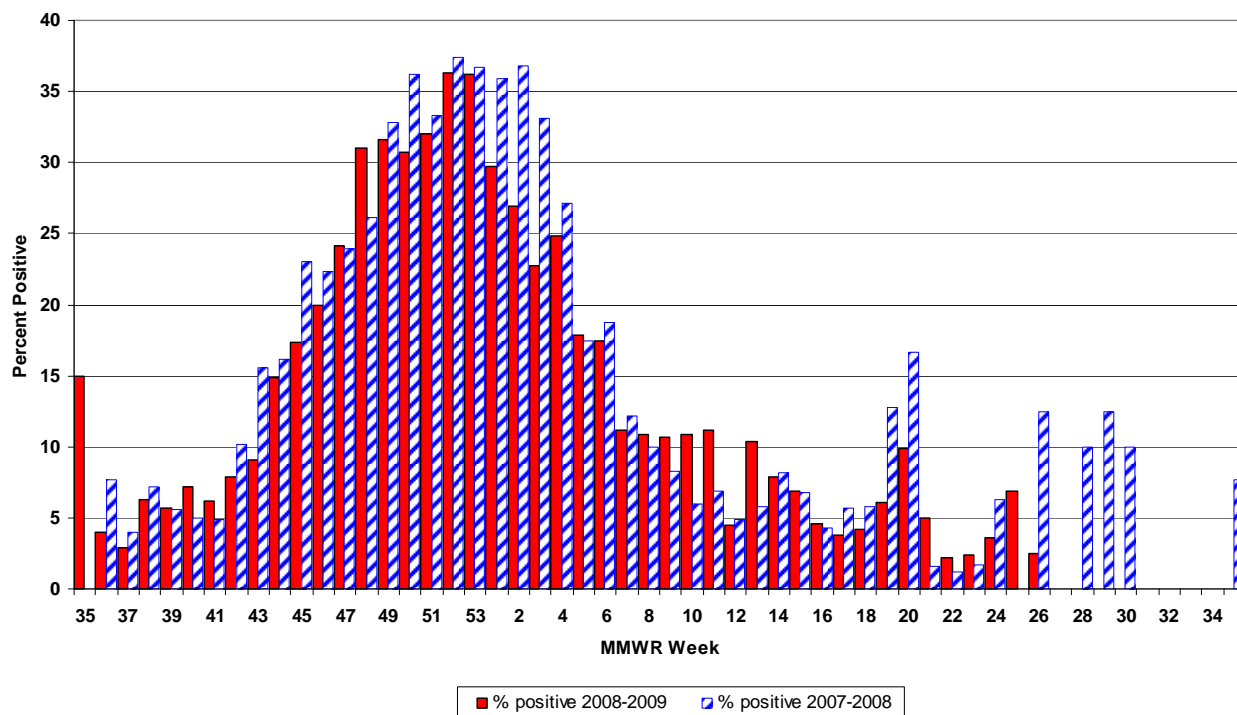
\*Reports received from 5 counties.

\* 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**

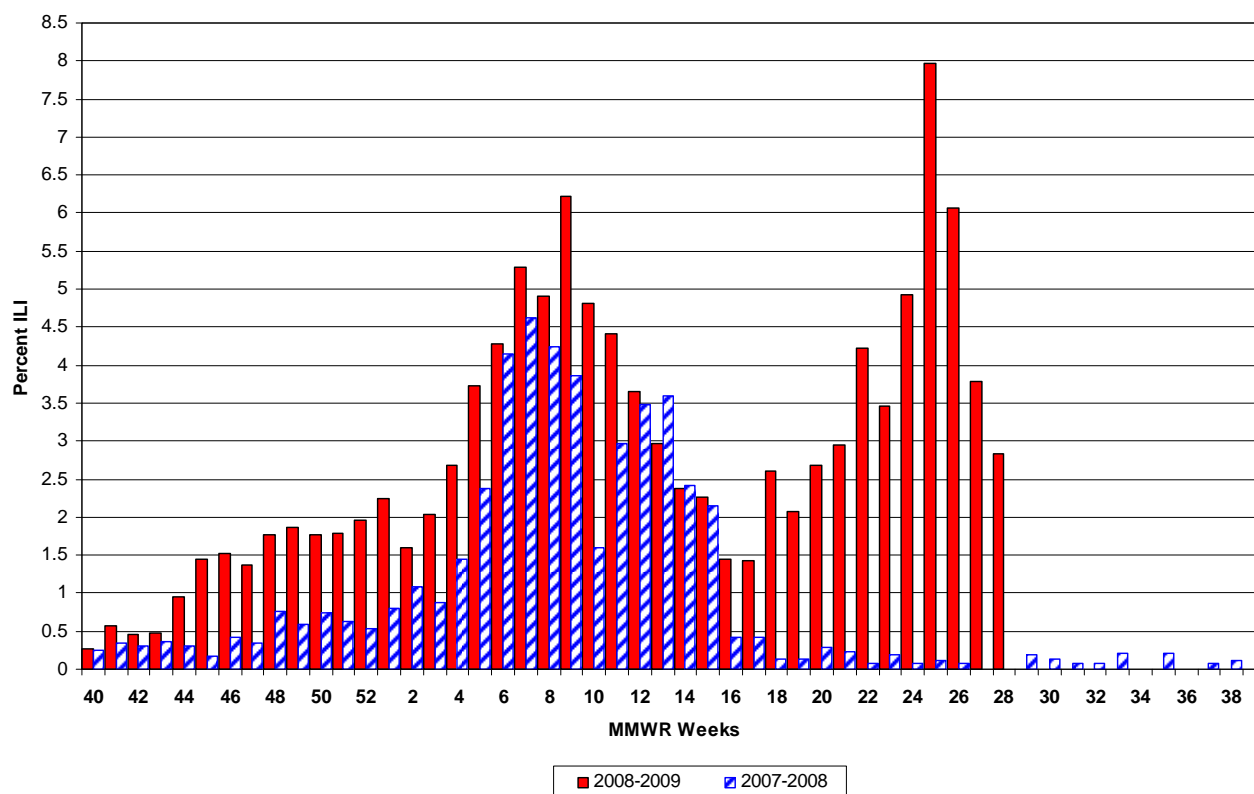


**New Jersey Department of Health and Senior Services  
Respiratory Syncytial Virus (RSV) Surveillance by Week, 2006-2008**



\* 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**

As of 7/15/09 at 9:15 AM, NJ has identified 895 confirmed and 455 probable who have been infected with the Novel Influenza AH1N1 virus.

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|  | Long Term Care |                    |             | Schools    |                    |             | Hospital<br>Emergency<br>Department |                    |             |
|--|----------------|--------------------|-------------|------------|--------------------|-------------|-------------------------------------|--------------------|-------------|
| County                                     | # Enrolled     | # Reports<br>Rec'd | % ILI       | # Enrolled | # Reports<br>Rec'd | % Absent    | # Enrolled                          | # Reports<br>Rec'd | % ILI       |
| <b>July, 7, 2009 12:00 AM MMRW WEEK 27</b> |                |                    |             |            |                    |             |                                     |                    |             |
| ATLANTIC                                   | 4              | 0                  | 0.00        | 19         | 0                  | 0.00        | 4                                   | 3                  | 0.24        |
| BERGEN                                     | 3              | 1                  | 0.00        | 25         | 0                  | 0.00        | 6                                   | 5                  | 4.23        |
| BURLINGTON                                 | 6              | 0                  | 0.00        | 115        | 0                  | 0.00        | 3                                   | 2                  | 4.45        |
| CAMDEN                                     | 7              | 0                  | 0.00        | 17         | 0                  | 0.00        | 7                                   | 5                  | 0.81        |
| CAPE MAY                                   | 6              | 4                  | 0.23        | 11         | 0                  | 0.00        | 1                                   | 1                  | 7.81        |
| CUMBERLAND                                 | 6              | 2                  | 1.74        | 18         | 0                  | 0.00        | 3                                   | 3                  | 1.95        |
| ESSEX                                      | 18             | 4                  | 0.34        | 34         | 0                  | 0.00        | 11                                  | 8                  | 3.59        |
| GLOUCESTER                                 | 5              | 1                  | 0.00        | 4          | 0                  | 0.00        | 2                                   | 2                  | 3.82        |
| HUDSON                                     | 10             | 1                  | 1.69        | 94         | 0                  | 0.00        | 6                                   | 3                  | 4.70        |
| HUNTERDON                                  | 4              | 3                  | 0.00        | 8          | 0                  | 0.00        | 1                                   | 1                  | 0.00        |
| MERCER                                     | 11             | 0                  | 0.00        | 26         | 0                  | 0.00        | 5                                   | 2                  | 5.08        |
| MIDDLESEX                                  | 2              | 0                  | 0.00        | 89         | 0                  | 0.00        | 5                                   | 4                  | 3.60        |
| MONMOUTH                                   | 14             | 0                  | 0.00        | 24         | 0                  | 0.00        | 5                                   | 5                  | 4.14        |
| MORRIS                                     | 2              | 0                  | 0.00        | 13         | 0                  | 0.00        | 4                                   | 3                  | 9.03        |
| OCEAN                                      | 6              | 0                  | 0.00        | 20         | 0                  | 0.00        | 4                                   | 1                  | 5.49        |
| PASSAIC                                    | 9              | 3                  | 0.00        | 23         | 0                  | 0.00        | 6                                   | 2                  | 4.04        |
| SALEM                                      | 4              | 1                  | 0.00        | 5          | 0                  | 0.00        | 1                                   | 0                  | 0.00        |
| SOMERSET                                   | 6              | 4                  | 1.50        | 63         | 0                  | 0.00        | 2                                   | 0                  | 0.00        |
| SUSSEX                                     | 5              | 5                  | 0.72        | 22         | 0                  | 0.00        | 2                                   | 2                  | 4.31        |
| UNION                                      | 4              | 1                  | 0.00        | 130        | 0                  | 0.00        | 5                                   | 5                  | 5.78        |
| UNKNOWN                                    | 0              | 0                  | 0.00        | 1          | 0                  | 0.00        | 0                                   | 0                  | 0.00        |
| WARREN                                     | 8              | 3                  | 1.15        | 24         | 0                  | 0.00        | 2                                   | 2                  | 0.57        |
| <b>NW Region</b>                           | 24             | 11                 | 0.68        | 82         | 0                  | 0.00        | 14                                  | 9                  | 5.42        |
| <b>NE Region</b>                           | 31             | 6                  | 0.38        | 153        | 0                  | 0.00        | 23                                  | 16                 | 3.98        |
| <b>CW Region</b>                           | 21             | 7                  | 0.93        | 97         | 0                  | 0.00        | 8                                   | 3                  | 3.85        |
| <b>CE Region</b>                           | 26             | 1                  | 0.00        | 263        | 0                  | 0.00        | 19                                  | 15                 | 4.51        |
| <b>South Region</b>                        | 38             | 8                  | 0.86        | 189        | 0                  | 0.00        | 21                                  | 16                 | 2.51        |
| <b>State Total</b>                         | <b>140</b>     | <b>33</b>          | <b>0.63</b> | <b>784</b> | <b>0</b>           | <b>0.00</b> | <b>85</b>                           | <b>59</b>          | <b>3.92</b> |