

**Mission:**

To protect, promote & improve the health of all people in Florida through integrated state, county & community efforts.



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State Surgeon General & Secretary

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# Weekly Respiratory Illness Report – Escambia County, 2013 - 2014

## CDC Week 7: February 9 - February 15, 2014

### Summary

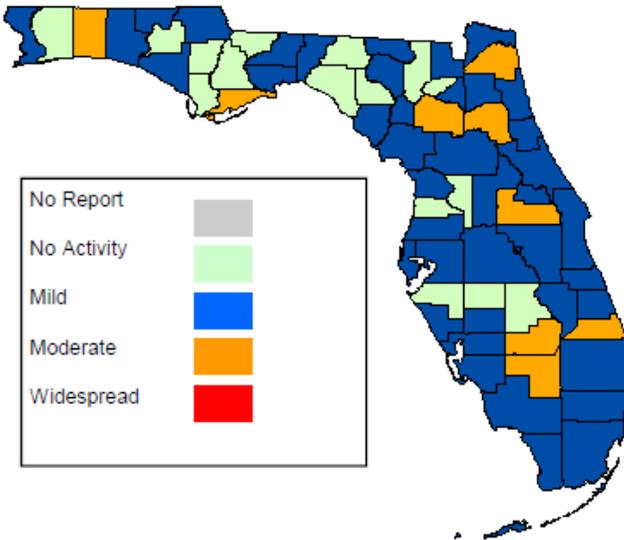
This report summarizes influenza activity in Escambia County as reported by participating laboratories and Sentinel Physicians during the week of February 9 – February 15, 2014. This week, four (4) hospital laboratories reported their weekly numbers and percentages of positive rapid flu tests. Four (4) physicians reported their weekly numbers in the Florida Outpatient Sentinel Physician Influenza-like Illness Surveillance Network (ILINet) for Escambia County for week 7.

### Influenza Like Illness Surveillance - Florida ILINet

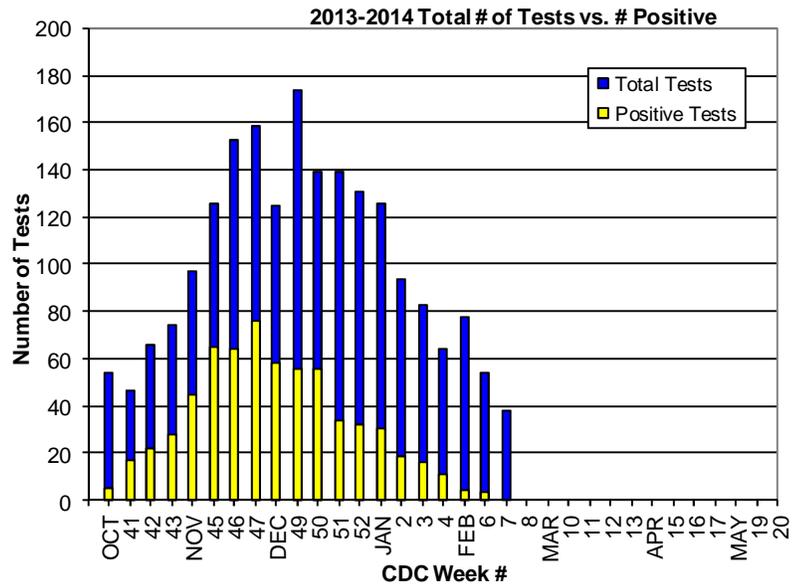
During the week ending February 15, 2014, Escambia County Sentinel Physicians reported seeing 10 cases of influenza-like illness (ILI) out of a total 1118 patients seen (10/1118 = 0.89%). Since September 29, 2013 (CDC Week 40), 17 specimens have been submitted for laboratory testing by the sentinel physicians and 9 have tested positive (9/17 = 52.94%); 9 for A H1N1. The percentage of patient visits for ILI from statewide sentinel physicians was 369/18902 = 1.95% (number of ILI divided by total patients seen). See map below for distribution of ILI activity statewide as reported by Florida ILINet county flu activity codes for week 7.

### Statewide ILI Activity - Week 7

As Reported on EpiGateway County Influenza Activity



### Number Positive RSV Tests in Escambia County - Week 7



### Respiratory Syncytial Virus (RSV)

RSV infections usually occur during the late fall, winter, or early spring months (CDC). The graph above features the number of positive RSV cases (yellow) compared to the total number of RSV tests (blue) in Escambia County for 2013-14 reported by four (4) hospital laboratories. During week 7, 0 positive RSV tests were reported out of 38 tests performed (0.00% positive).

### Influenza Laboratory Surveillance

Hospitals in Escambia County routinely use either rapid antigen tests or PCR testing to diagnose and differentiate influenza A and B in clinical specimens. Sacred Heart hospital uses PCR testing; the other laboratories use rapid antigen testing. Out of 265 tests performed during week 7, 11 were positive (4.15% positive); 11 were Influenza A and 0 were Influenza B.

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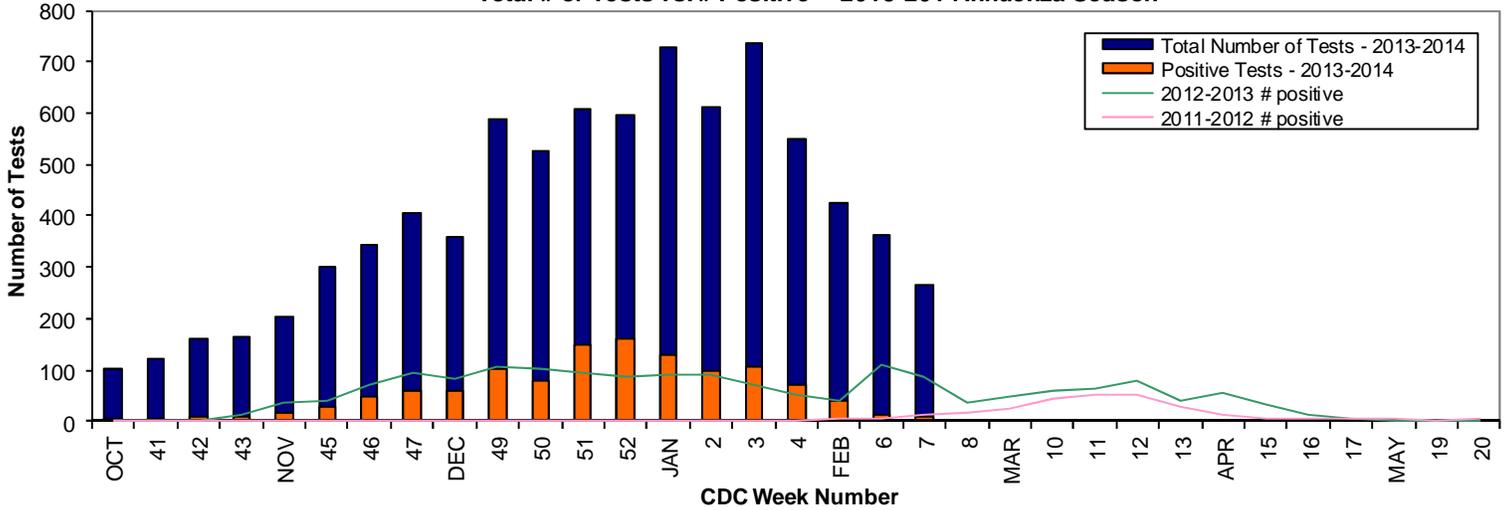


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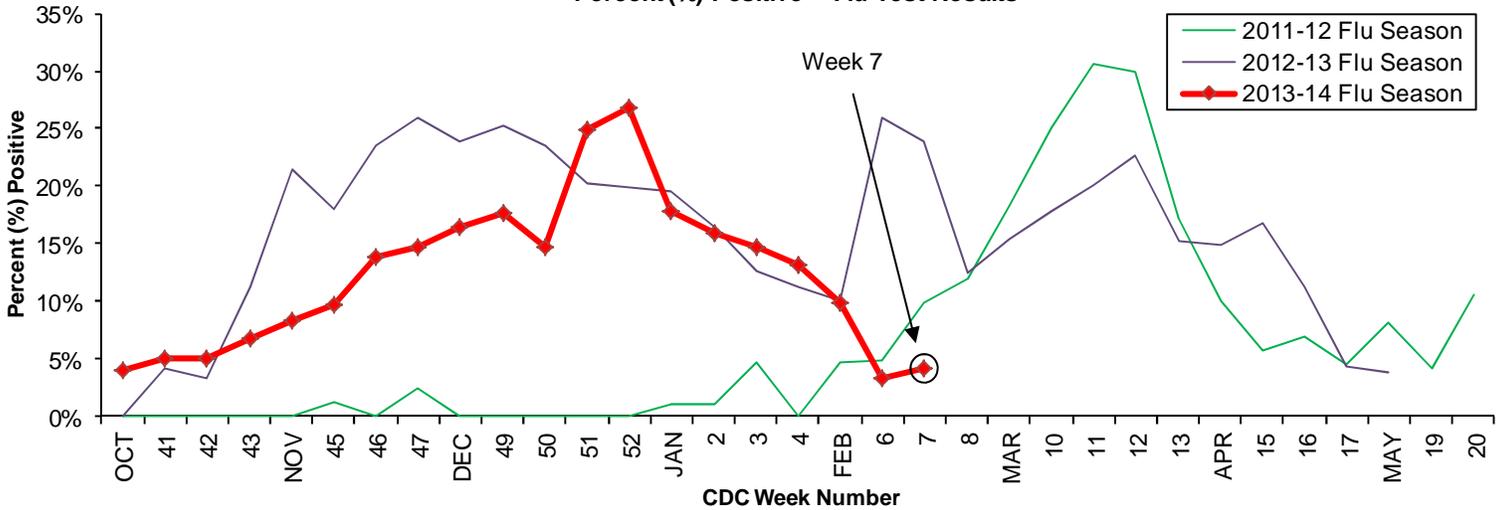
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**Total # of Tests vs. # Positive -- 2013-2014 Influenza Season**



**Percent (%) Positive -- Flu Test Results**

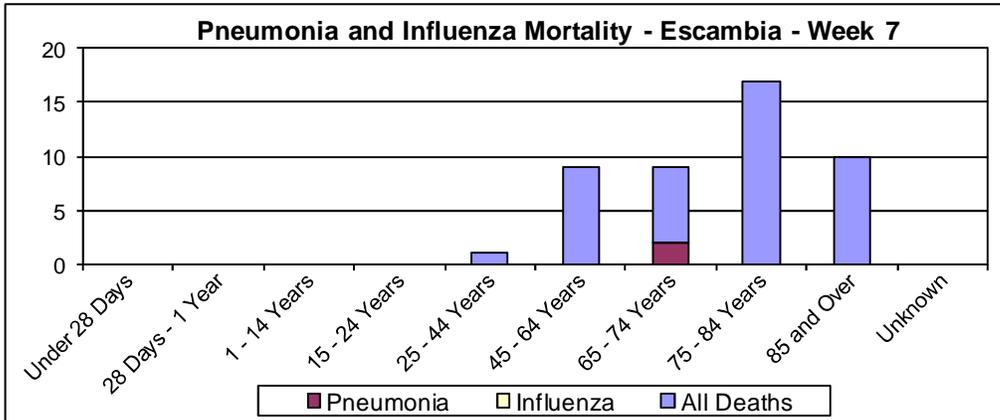


**Escambia County Pneumonia and Influenza Mortality for Week 7, ending February 15, 2014**

During the week ending February 15, zero (0) deaths in an Escambia County resident were attributed to influenza, and four (4) deaths were attributed to pneumonia.

**\*Note: All pediatric influenza mortality cases < 19 years of age are reportable to the state**

**Pneumonia and Influenza Mortality - Escambia - Week 7**



	Week 7	Season Total
<b>Total Deaths</b>	44	1166
<b>Pneumonia Deaths</b>	2	53
<b>Influenza Deaths</b>	0	4

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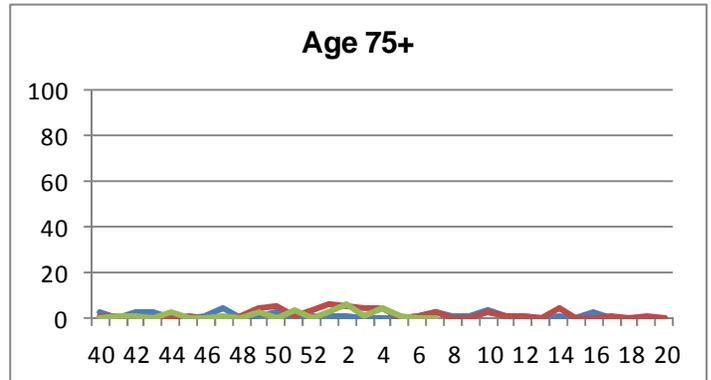
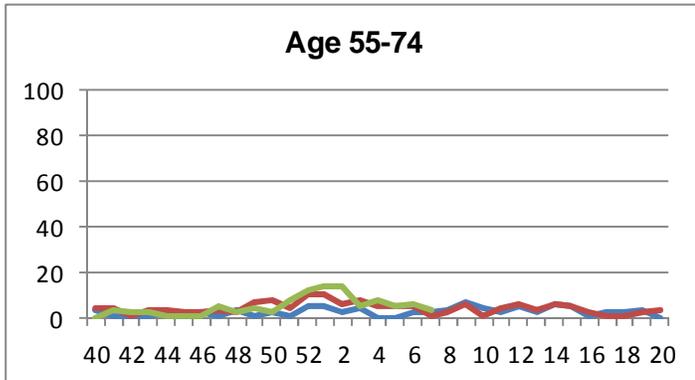
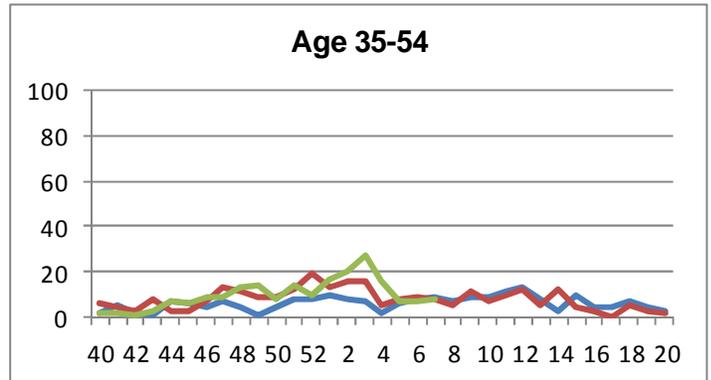
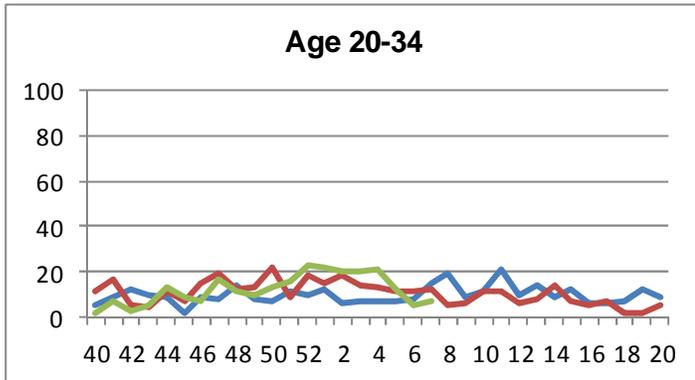
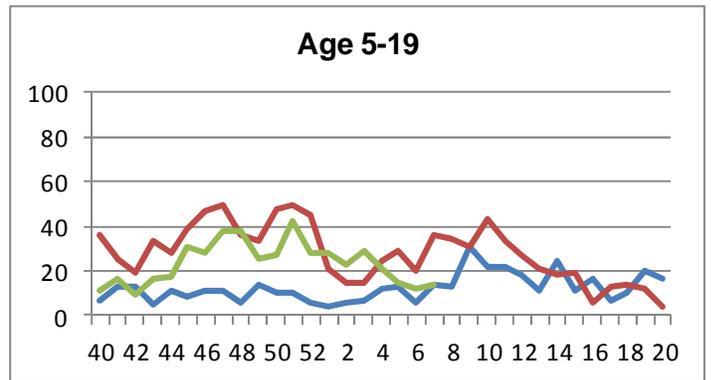
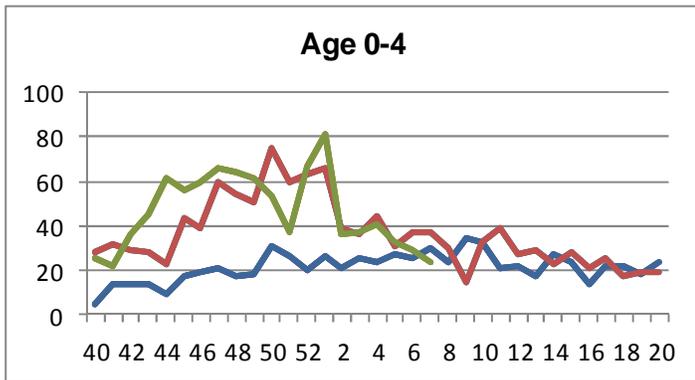
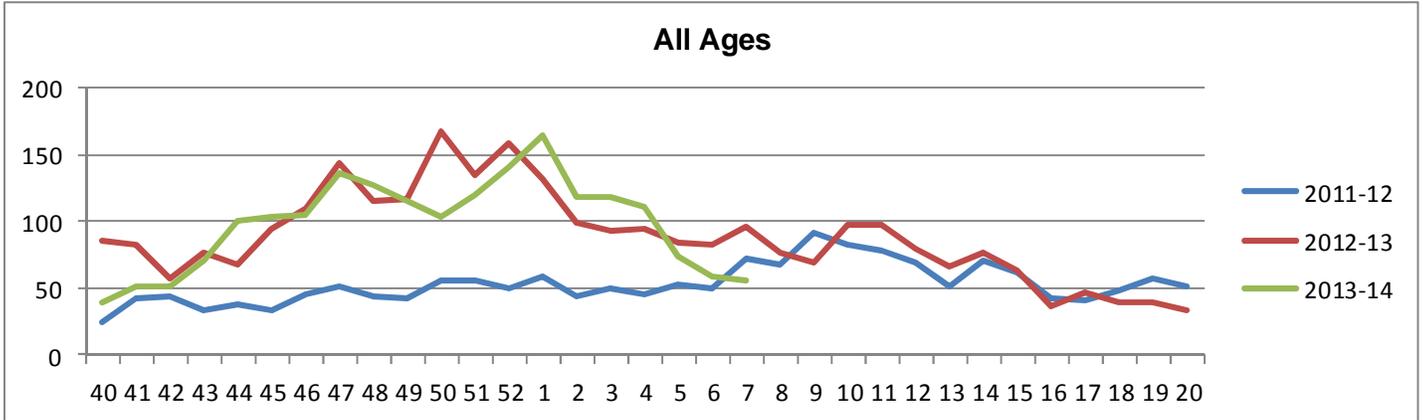


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**Influenza-Like Illness (ILI) Emergency Department visits from two (2) Escambia hospitals.**



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## Florida Flu Review - Summary: Week 7

### Summary:

The Florida Department of Health (FDOH) monitors multiple surveillance systems such as the Electronic Surveillance System for the Early Notification of Community-based Epidemics (ESSENCE), the Florida Pneumonia and Influenza Mortality Surveillance System (FPIMSS), notifiable disease reports (Merlin), EpiCom, and Florida ILINet in order to track influenza activity in the state.

### State:

Week 7 State Influenza Activity: Regional

- **This season the FDOH has received reports of severe influenza illness, including hospitalizations requiring intensive care unit (ICU) care, among pregnant women.**
  - None of these women had received the 2013-2014 influenza vaccine.
- **Most Florida counties reported mild influenza activity.** In week 7, nine counties reported increasing influenza activity; 35 counties indicated activity is at a plateau
- **Emergency department (ED) and urgent care center (UCC) ILI visits have decreased in recent weeks and is as expected for this time of year; although still too early to tell, it appears that the influenza season has peaked.**
  - While activity statewide is at expected levels, those at high risk for infection, such as pregnant women are among those presenting to EDs and UCCs for care.
  - Pregnant women are among those at high risk for severe complications due to influenza infection. More information can be found here: <http://www.floridahealth.gov/diseases-and-conditions/influenza/documents/2013/flu-fact-sheet-pregnant-women.pdf>.
- **In Florida, the most common influenza subtype detected at the Bureau of Public Health Laboratories (BPHL) in recent weeks has been influenza A (2009 H1N1).**
  - In week 7, 22 of 54 specimens submitted for influenza testing at BPHL tested PCR positive for influenza. Sixteen were PCR positive for influenza A (2009 H1N1), one was PCR positive for influenza A unspecified, one was PCR positive for influenza A (H3) and four were PCR positive for influenza B. All of these are seasonal strains of influenza.
  - Nationally (including Florida), almost all circulating influenza is a good match for the vaccine.
- **Two influenza or ILI outbreaks (epidemiologically-linked cases of influenza in a single setting) were reported in week 7.**
- **No pediatric influenza-associated deaths were reported in week 7.** Three pediatric influenza-associated deaths have been reported in the 2013-2014 season.
- **The preliminary estimated number of Florida deaths due to pneumonia or influenza in week 6 is lower than the seasonal baseline, based on previous years' data.** Estimated deaths due to pneumonia and influenza are identified using preliminary death certificate data.
- **Because of regional influenza activity in some regions of the state, Florida reported regional influenza activity to CDC in week 7.** This activity level represents the geographic spread of influenza in Florida.

### Novel Influenza:

- **The first case of influenza A (H5N1) in the Americas was confirmed in a Canadian traveler who later died.** The H5N1 strain originates from influenza that circulates in birds. No sustained human to human transmission has been identified. More information can be found here: <http://www.cdc.gov/flu/avianflu/h5n1-people.htm>
- **No cases of influenza A (H5N1) have been detected in the United States or Florida.**
- For current information on novel or pandemic strains of influenza (including avian or swine origin influenza A) visit <http://www.floridahealth.gov/diseases-and-conditions/diseases-from-animals/novel-influenza-viruses.html>.

#### State Weekly Influenza Summary

<http://www.floridahealth.gov/diseases-and-conditions/influenza/index.html>

#### CDC Influenza Summary

<http://www.cdc.gov/flu/weekly/fluactivity.htm>

#### Escambia County Weekly Respiratory Reports

[http://www.escambiahealth.com/epi/seasonal\\_flu/](http://www.escambiahealth.com/epi/seasonal_flu/)

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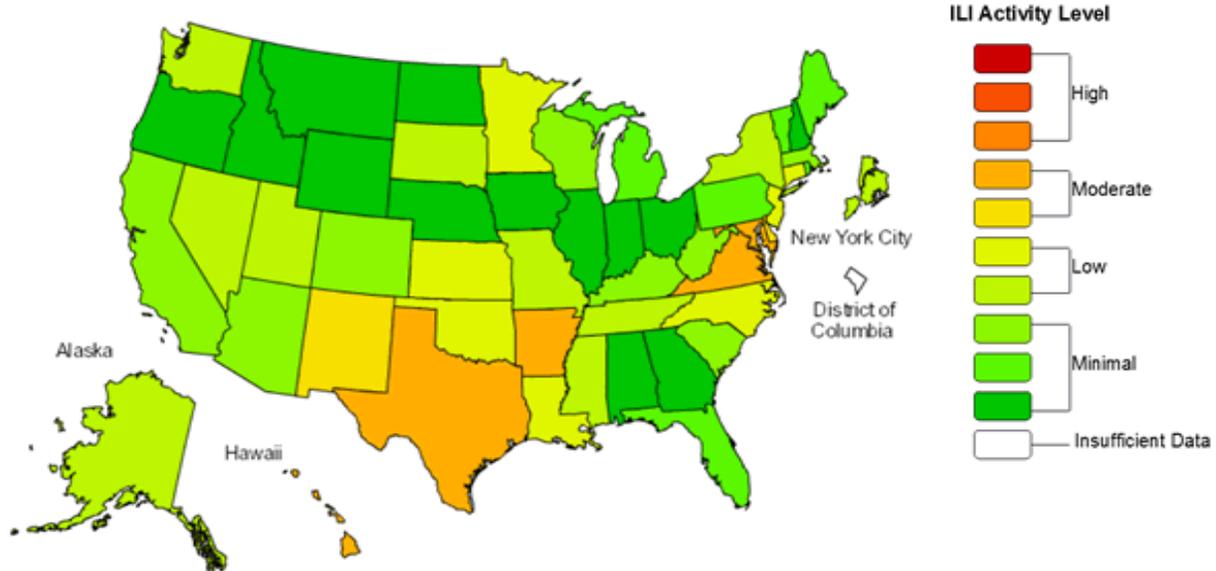
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**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2013-14 Influenza Season Week 7 ending Feb 15, 2014**



During week 7, the following ILI activity levels were experienced:

- Seven states experienced moderate ILI activity (Arkansas, Delaware, Hawaii, Maryland, New Mexico, Texas, and Virginia).
- Sixteen states and New York City experienced low ILI activity (Alaska, Connecticut, Kansas, Louisiana, Minnesota, Mississippi, Missouri, Nevada, New Jersey, New York, North Carolina, Oklahoma, South Dakota, Tennessee, Utah, and Washington).
- Twenty-seven states experienced minimal ILI activity (Alabama, Arizona, California, Colorado, Florida, Georgia, Idaho, Illinois, Indiana, Iowa, Kentucky, Maine, Massachusetts, Michigan, Montana, Nebraska, New Hampshire, North Dakota, Ohio, Oregon, Pennsylvania, Rhode Island, South Carolina, Vermont, West Virginia, Wisconsin, and Wyoming).
- Data were insufficient to calculate an ILI activity level from the District of Columbia.