



Missouri Weekly Influenza Report 2010-2011 Season¹

Missouri is reporting “Regional Activity” to the CDC for Week 5².

To view influenza maps click [here](#). Each map will give county data by placing the cursor over the county. To view progression maps of influenza throughout the state by jurisdiction click [here](#), or by rate click [here](#).

Table 1. Reported Laboratory cases by sub-type for the Week ending February 5, 2011 (Week 5)

| Serogroups | A (non-typed) | A (H1) | A (H1N1) | A (H3) | B | A or B Untyped (rapid test) | Total |
|------------|---------------|--------|----------|--------|-----|-----------------------------|-------|
| Week 5 | 593 | 0 | 2 | 1 | 222 | 21 | 839 |

A total of ten specimens were received by the State Public Health Laboratory for viral testing during week 5. Two were positive for 2009 Influenza A (H1N1), five were positive for Influenza B, one was positive for Influenza A (H3), one was positive for Influenza A, and one was negative for influenza.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending February 5, 2011 (Week 5)

| Influenza Type | 2010-2011 Season | 5-Season Median | % Change from 5-Season Median |
|------------------------------|------------------|-----------------|-------------------------------|
| Influenza A | 3,738 | 3,540 | 5.6% |
| Influenza B | 854 | 464 | 84.1% |
| Influenza Unknown Or Untyped | 142 | 1,114 | (87.3%) |
| Total | 4,734 | 5,134 | (7.8%) |

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending February 5, 2011 (Week 5)

| Age Group | 2010-2011 Season | 5-Season Median | % Change from 5-Season Median |
|-----------|------------------|-----------------|-------------------------------|
| 00-<02 | 423 | 511 | (17.2%) |
| 02-04 | 669 | 564 | 18.6% |
| 05-14 | 1,312 | 1,021 | 28.5% |
| 15-24 | 808 | 638 | 26.6% |
| 25-49 | 1,058 | 889 | 19.0% |
| 50-64 | 289 | 232 | 24.6% |
| 65+ | 175 | 295 | (40.7%) |
| Total | 4,734 | 5,134 | (7.8%) |

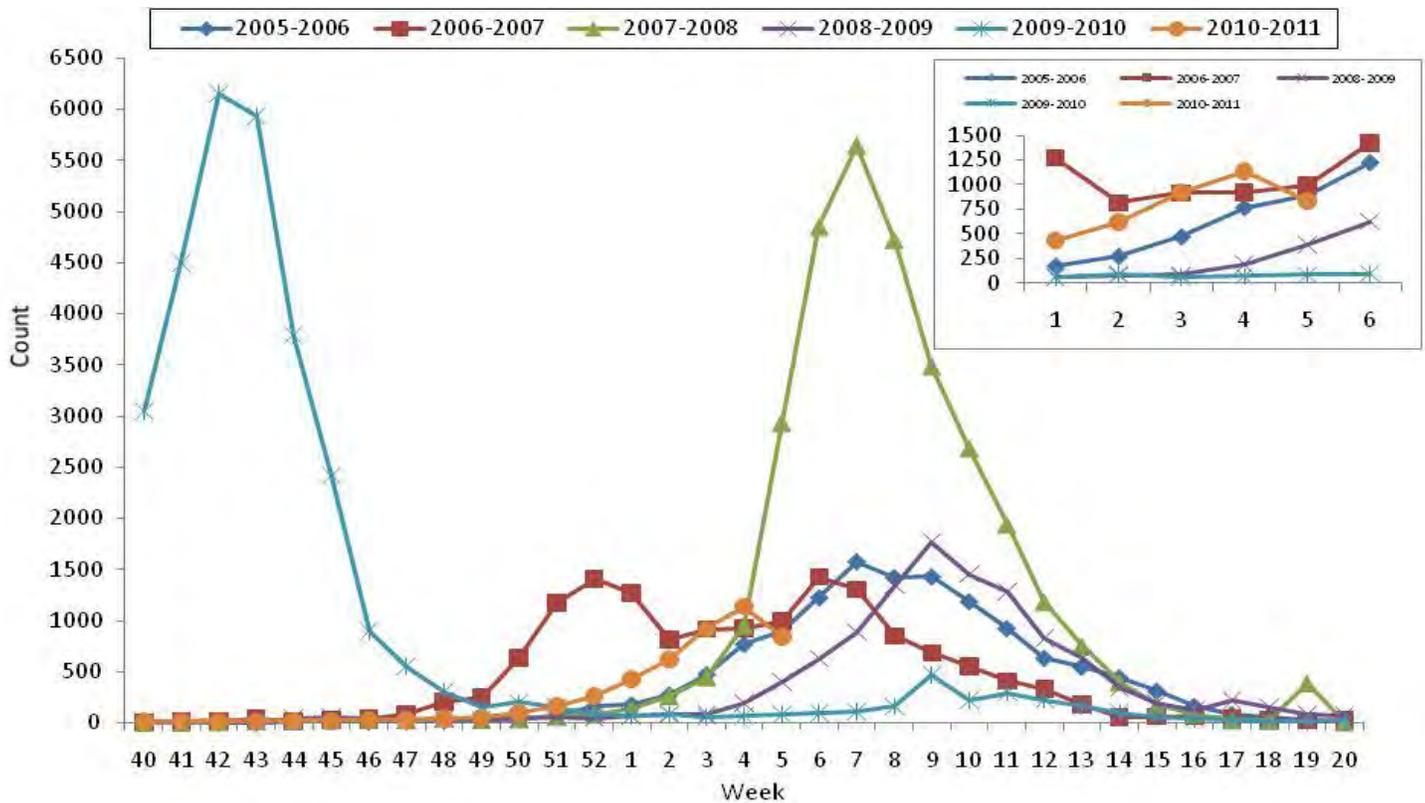
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending February 5, 2011 (Week 5)

| District | 2010-2011 Season | 5-Season Median | % Change from 5-Season Median |
|----------|------------------|-----------------|-------------------------------|
| CE | 400 | 749 | (46.6%) |
| EA | 2,089 | 2,342 | (10.8%) |
| NW | 729 | 1,202 | (39.4%) |
| SE | 784 | 530 | 47.9% |
| SW | 732 | 769 | (4.8%) |
| Total | 4,734 | 5,134 | (7.8%) |

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending January 29, 2010 (Week 4)

| Week 4 | Season-to-Date 2010-2011 | Season-to-Date 2009-2010 | Week 4 Last Season | 5 Year Weekly Median |
|--------|--------------------------|--------------------------|--------------------|----------------------|
| 114 | 1,509 | 1,189 | 71 | 89 |

Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending February 5, 2011 (Week 5)



The number of reported influenza cases for week 5 of the 2010-2011 season is at historical levels with the five previous seasons.

Table 6: Outbreaks/Closures Due to Influenza-like Illness

| | Outbreaks | | Closures | |
|---------------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
| | Current Season 2010-2011 | Previous Season 2009-2010 | Current Season 2010-2011 | Previous Season 2009-2010 |
| Week 5 | 0 | 0 | 0 | 0 |
| Season-to-date (Week 40-Week 5) | 0 | 13 | 0 | 57 |

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending February 5, 2011 (Week 5)**

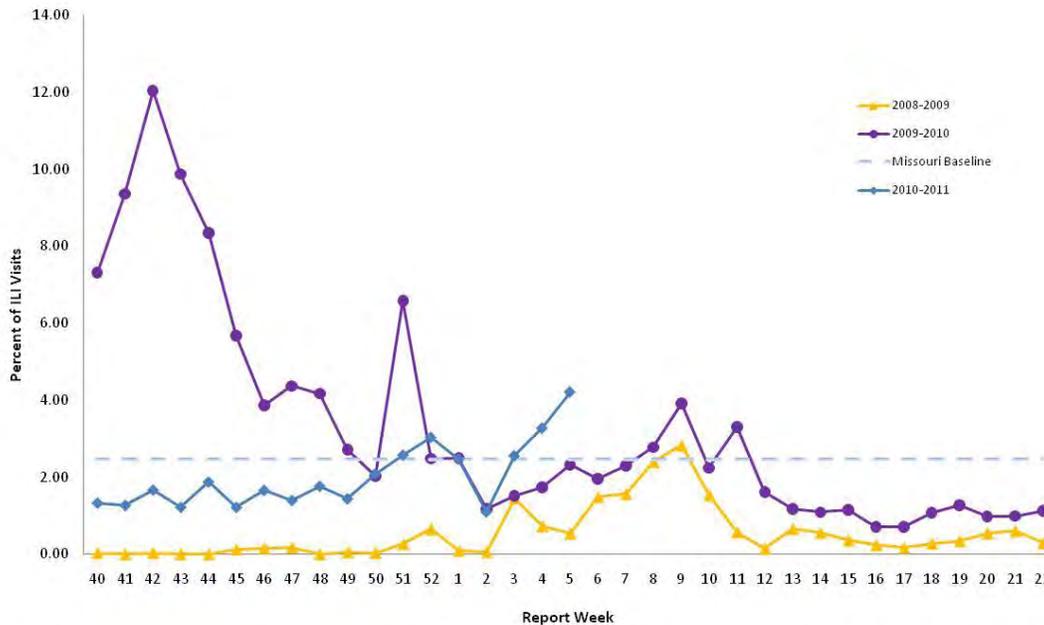
| Jurisdiction | Age 0-4 | Age 5-24 | Age 25-49 | Age 50-64 | Age 65+ | Total ILI Patients Seen | Total Patients Seen | Percent ILI |
|---------------------|------------|-------------|--------------|--------------|------------|-------------------------------|---------------------------|----------------|
| Adair | | | | | | | | |
| Audrain | | | | | | | | |
| Boone | | | | | | | | |
| Buchanan | | | | | | | | |
| Butler | | | | | | | | |
| Callaway | | | | | | | | |
| Cape Girardeau | 0 | 1 | 0 | 0 | 0 | 1 | 61 | 1.64 |
| Clay | 0 | 2 | 0 | 0 | 0 | 2 | 109 | 1.83 |
| Cole | 23 | 4 | 9 | 2 | 1 | 39 | 559 | 6.98 |
| Dallas | 0 | 0 | 1 | 0 | 0 | 1 | 31 | 3.23 |
| Franklin | | | | | | | | |
| Greene | | | | | | | | |
| Howell | | | | | | | | |
| Iron | 1 | 2 | 2 | 1 | 1 | 7 | 34 | 20.59 |
| Jackson | 39 | 31 | 13 | 5 | 2 | 90 | 2454 | 3.67 |
| Kansas City | | | | | | | | |
| Knox | | | | | | | | |
| Lawrence | | | | | | | | |
| Marion | 0 | 0 | 0 | 1 | 0 | 1 | 62 | 1.61 |
| McDonald | 0 | 5 | 0 | 0 | 0 | 5 | 170 | 2.94 |
| Moniteau | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 0 |
| Nodaway | 5 | 0 | 0 | 0 | 0 | 5 | 41 | 12.2 |
| Pettis | | | | | | | | |
| Phelps | | | | | | | | |
| Putnam | 1 | 3 | 0 | 1 | 0 | 5 | 141 | 3.55 |
| Reynolds | 1 | 2 | 1 | 0 | 0 | 4 | 50 | 8 |
| Saline | | | | | | | | |
| St. Clair | 0 | 0 | 0 | 0 | 0 | 0 | 23 | 0 |
| St. Louis County | | | | | | | | |
| State Total | 70 | 50 | 26 | 10 | 4 | 160 | 3788 | 4.22 |

*Only counties with sentinel provider(s) are listed above.

**To learn about ILINet, view the following website: <http://www.cdc.gov/flu/weekly/fluactivity.htm>

***This is **above** the national baseline of 2.5%.

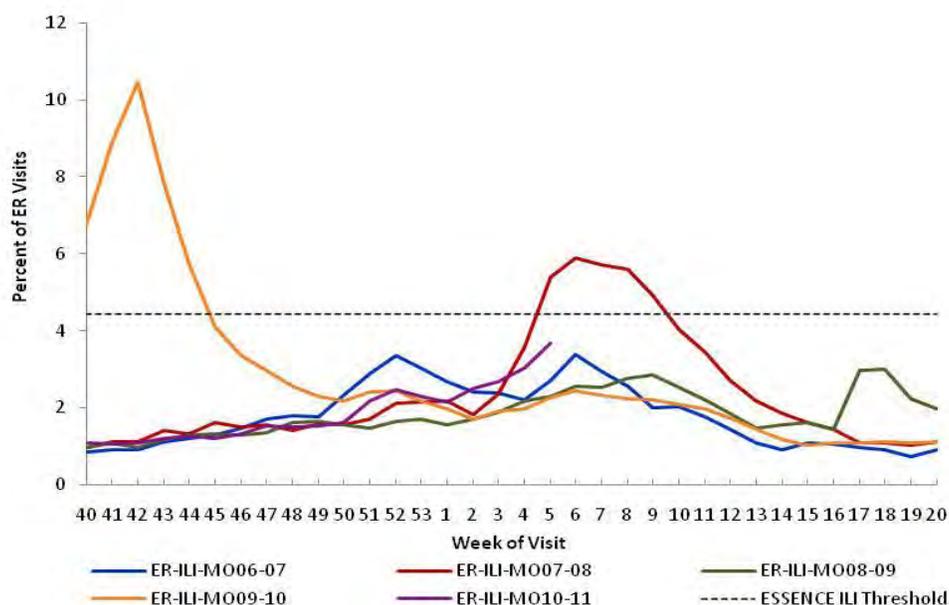
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending February 5, 2011 (Week 5)



ILINet baseline refers to the mean plus two standard deviations of the values during previous influenza seasons (week 40-20).

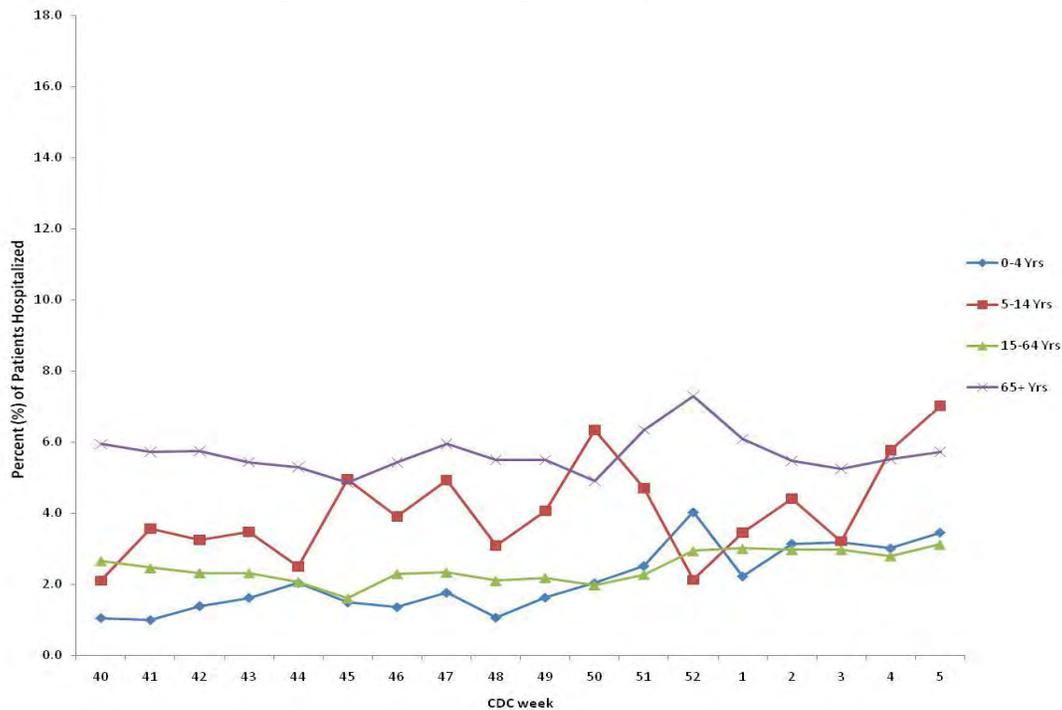
The proportion of patient visits for influenza-like illness was 4.22% for the week ending February 5, 2010 (week 5), as reported by ILINet in Missouri. This is above Missouri’s baseline of 2.47%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending February 5, 2011 (Week 5)

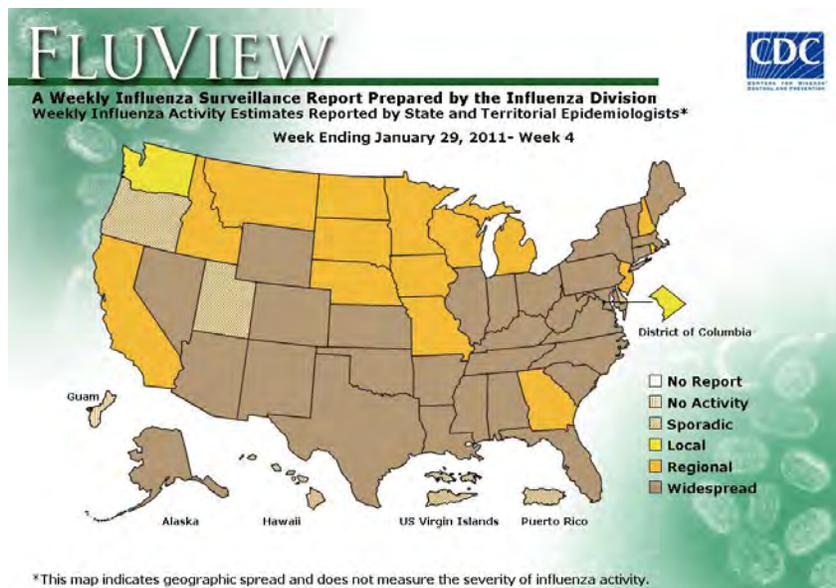


*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending February 5, 2011 (Week 5)



The 65 and older age group has increased to 5.73% in Week 5. The 5-14 age group has increased to 7.02% in Week 5.



For the week ending February 5, 2011 (week 5), Missouri reported **Regional** activity to the CDC. Regional activity is defined as outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the regions of the state with recent laboratory evidence of influenza in those regions.

For the week ending January 29, 2011 (week 4), Flu View reported 30 states with widespread influenza activity; 15 states reported regional influenza activity; one state reported local influenza activity; and four states reported sporadic influenza activity. The influenza activity reported by state and territorial epidemiologists indicates geographic spread of influenza viruses, but does not measure the severity of influenza activity.

Find Us on the Web

This report may also be found on the DHSS Internet at: <http://www.dhss.mo.gov/Influenza/index.html>.

National influenza surveillance information is available from the Centers for Disease Control and Prevention at: www.cdc.gov/ncidod/diseases/flu/weekly.htm.

Contact Us

The Missouri Department of Health and Senior Services after hours number for reporting disease cases and emergencies is **1-800-392-0272**.

¹*All data in this report are provisional and may change as reports are updated.*

²*Influenza activity codes are reported to CDC each Tuesday.*

Data Sources: Laboratory-confirmed cases are reported to DHSS through the passive communicable disease surveillance system. Suspected influenza clusters and outbreaks are reported through the active surveillance system. Pneumonia and influenza deaths are reported through the DHSS Bureau of Vital Records. Influenza-like illness data by age category and total number of patient visits by week are reported voluntarily by participants in the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet).