



Missouri Weekly Influenza Report 2011-2012 Season¹

Missouri is reporting “Regional” 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 4, 2012 (Week 5)

| Serogroups | A (non-typed) | A (H1) | A (H1N1) | A (H3) | B | A or B Untyped (rapid test) | Total |
|------------|---------------|--------|----------|--------|----|-----------------------------|-------|
| Week 5 | 492 | 0 | 1 | 11 | 11 | 8 | 523 |

A total of 21 specimens were received by the State Public Health Laboratory for viral testing during week 5. Eleven were positive for Influenza A (H3), one was positive for 2009 Influenza A H1N, 8 were negative for influenza, and one specimen was unsatisfactory.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending February 4, 2012 (Week 5)

| Influenza Type | 2011-2012 Season | 5-Season Median | % Change from 5-Season Median |
|------------------------------|------------------|-----------------|-------------------------------|
| Influenza A | 1,502 | 4,378 | (65.7%) |
| Influenza B | 304 | 480 | (36.7%) |
| Influenza Unknown Or Untyped | 99 | 1,114 | (91.1%) |
| Total | 1,905 | 5,655 | (66.3%) |

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending February 4, 2012 (Week 5)

| Age Group | 2011-2012 Season | 5-Season Median | % Change from 5-Season Median |
|-----------|------------------|-----------------|-------------------------------|
| 00-<02 | 160 | 511 | (68.7%) |
| 02-04 | 293 | 800 | (63.4%) |
| 05-14 | 642 | 1,610 | (60.1%) |
| 15-24 | 161 | 955 | (83.1%) |
| 25-49 | 358 | 1,248 | (71.3%) |
| 50-64 | 141 | 342 | (58.8%) |
| 65+ | 150 | 199 | (24.6%) |
| Total | 1,905 | 5,655 | (66.3%) |

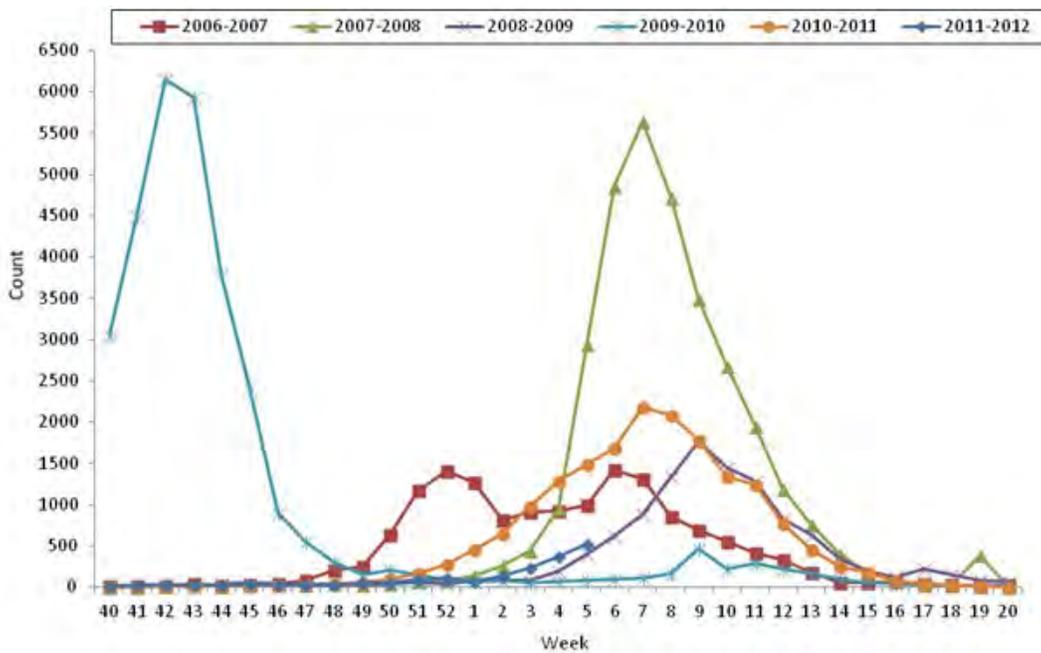
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending February 4, 2012 (Week 5)

| District | 2011-2012 Season | 5-Season Median | % Change from 5-Season Median |
|----------|------------------|-----------------|-------------------------------|
| CE | 223 | 749 | (70.2%) |
| EA | 237 | 2,342 | (89.9%) |
| NW | 1,231 | 846 | 45.5% |
| SE | 69 | 1,044 | (93.4%) |
| SW | 145 | 1,027 | (85.9%) |
| Total | 1,905 | 5,655 | (66.3%) |

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending January 28, 2012 (Week 4)

| Week 4 | Season-to-Date 2011-2012 | Season-to-Date 2010-2011 | Week 4 Last Season | 5 Year Weekly Median |
|--------|--------------------------|--------------------------|--------------------|----------------------|
| 139 | 1,590 | 1,509 | 114 | 93 |

Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending February 4, 2012 (Week 5)



The number of reported influenza cases for week 5 of the 2011-2012 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending February 4, 2012 (Week 5)

| | Outbreaks | | Closures | |
|--|--------------------------|---------------------------|--------------------------|---------------------------|
| | Current Season 2011-2012 | Previous Season 2010-2011 | Current Season 2011-2012 | Previous Season 2010-2011 |
| Week 5 | 0 | 0 | 1 | 0 |
| Season-to-Date (Week 40-Week 5) | 2 | 1 | 2 | 0 |

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending February 4, 2012 (Week 5)**

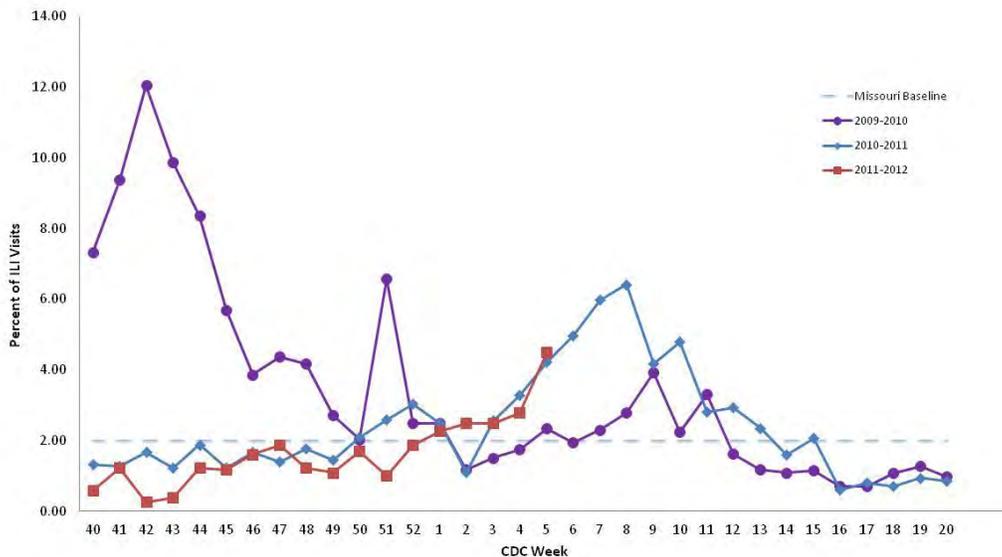
| Jurisdiction | Age 0-4 | Age 5-24 | Age 25-49 | Age 50-64 | Age 65+ | Total ILI Patients Seen | Total Patients Seen | Percent ILI |
|--------------------|------------|-------------|--------------|--------------|------------|-------------------------------|---------------------------|----------------|
| Adair | 0 | 3 | 0 | 0 | 0 | 3 | 181 | 1.66 |
| Audrain | | | | | | | | |
| Boone | | | | | | | | |
| Buchanan | | | | | | | | |
| Butler | | | | | | | | |
| Callaway | 1 | 2 | 3 | 1 | 0 | 7 | 195 | 3.59 |
| Cape Girardeau | 0 | 0 | 0 | 0 | 0 | 0 | 77 | 0 |
| Clay | 0 | 2 | 1 | 1 | 0 | 4 | 204 | 1.96 |
| Cole | 14 | 18 | 10 | 4 | 7 | 53 | 661 | 8.02 |
| Gasconade | 0 | 2 | 0 | 0 | 0 | 2 | 484 | 0.41 |
| Greene | | | | | | | | |
| Howell | | | | | | | | |
| Iron | | | | | | | | |
| Jackson | 63 | 87 | 20 | 10 | 2 | 182 | 2985 | 6.1 |
| Kansas City | | | | | | | | |
| Knox | | | | | | | | |
| Lawrence | | | | | | | | |
| Marion | 0 | 0 | 0 | 0 | 0 | 0 | 93 | 0 |
| McDonald | 3 | 0 | 1 | 0 | 0 | 4 | 452 | 0.88 |
| Moniteau | 0 | 2 | 0 | 0 | 0 | 2 | 125 | 1.6 |
| Nodaway | | | | | | | | |
| Pettis | | | | | | | | |
| Phelps | 0 | 0 | 0 | 0 | 0 | 0 | 278 | 0 |
| Putnam | 0 | 0 | 0 | 0 | 0 | 0 | 189 | 0 |
| Reynolds | 1 | 0 | 0 | 0 | 0 | 1 | 35 | 2.86 |
| Saline | 2 | 13 | 4 | 1 | 0 | 20 | 183 | 10.93 |
| St. Clair | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 |
| State Total | 84 | 129 | 39 | 17 | 9 | 278 | 6175 | 4.50 |

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

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

***This is **above** the national baseline of 2.4%.

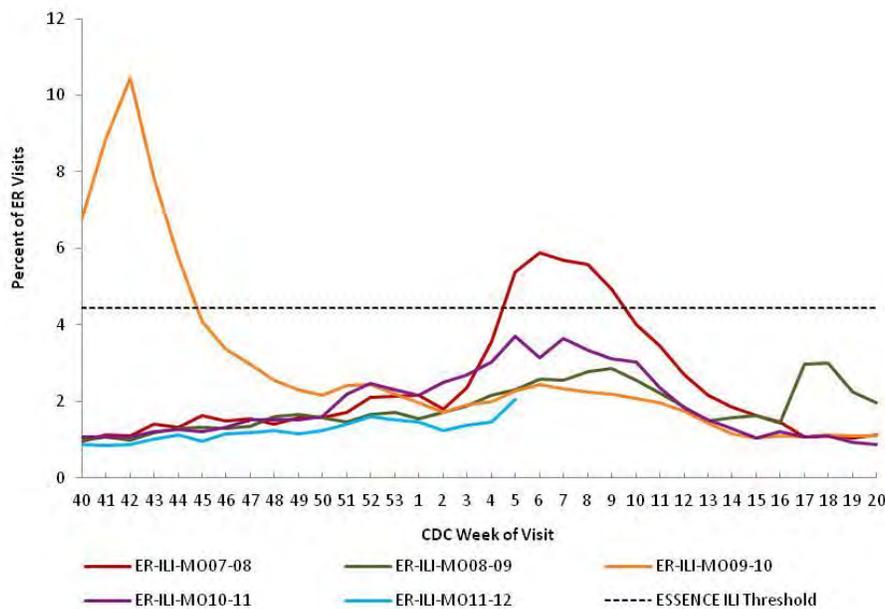
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending February 4, 2012 (Week 5)



ILINet baseline refers to the mean plus two standard deviations of the values during previous influenza seasons (week 40-20, 2008-2009)

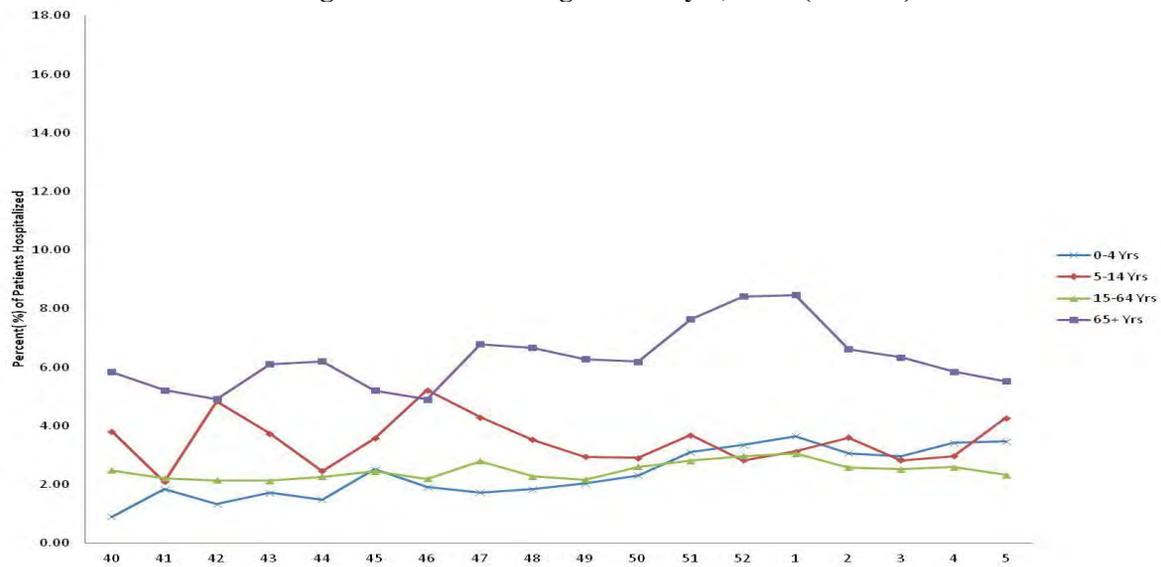
The proportion of patient visits for influenza-like illness is 4.50% for week ending February 4, 2012 (Week 5). This is above Missouri’s baseline of 1.98%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending February 4, 2012 (Week 5)



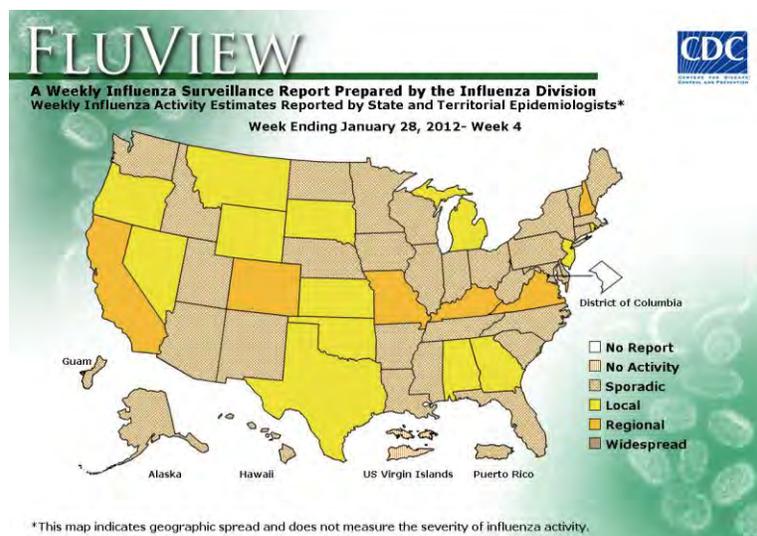
*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

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 4, 2012 (Week 5)



*Please use caution when comparing current 2011-2012 influenza season inpatient hospitalization numbers to previous years due to major revisions to the inpatient database environment.

The 5-14 year age group has increased to 4.27%, and the 0-4 year age group has increased to 3.47% in Week 5. The 65 and older age group has decreased to 5.52%, and the 15-64 year age group has decreased to 2.33% in Week 5.



For the week ending February 4, 2012 (Week 5), Missouri reported **Regional** to CDC. Regional Activity is defined as: Increased ILI in at least 2 regions but fewer than half of the regions, **AND** recent (within the past 3 weeks) lab confirmed influenza in the affected regions. **OR** Institutional outbreaks (ILI or lab confirmed) in at least 2 regions, but fewer than half of the regions, **AND** recent lab confirmed influenza in the affected regions.

For the week ending January 28, 2012 (Week 4), Flu View reported no states with widespread influenza activity, six states reported regional influenza activity, 13 states reported local influenza activity, and 31 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.

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).