



Missouri Weekly Influenza Report 2012-2013 Season¹

Missouri is reporting “No Activity” to the CDC for Week 42².

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 October 20, 2012 (Week 42)

| Serogroups | A (non-typed) | A (H1) | A (H1N1) | A (H3) | B | A or B Untyped (rapid test) | Total |
|----------------|---------------|----------|----------|----------|-----------|-----------------------------|-----------|
| Week 42 | 17 | 0 | 0 | 0 | 38 | 1 | 56 |

No specimens were received by the State Public Health Laboratory for viral testing during week 42.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending October 20, 2012 (Week 42)

| Influenza Type | 2012-2013 Season | 5-Season Median | % Change from 5-Season Median |
|-------------------------------------|------------------|-----------------|-------------------------------|
| Influenza A | 31 | 33 | (6.1%) |
| Influenza B | 82 | 23 | 256.5% |
| Influenza Unknown Or Untyped | 3 | 1 | 200.0% |
| Total | 116 | 54 | 114.8% |

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending October 20, 2012 (Week 42)

| Age Group | 2012-2013 Season | 5-Season Median | % Change from 5-Season Median |
|------------------|------------------|-----------------|-------------------------------|
| 00-<02 | 7 | 3 | 133.3% |
| 02-04 | 16 | 4 | 300.0% |
| 05-14 | 32 | 10 | 220.0% |
| 15-24 | 14 | 5 | 180.0% |
| 25-49 | 26 | 24 | 8.3% |
| 50-64 | 11 | 7 | 57.1% |
| 65+ | 10 | 7 | 42.9% |
| Total | 116 | 54 | 114.8% |

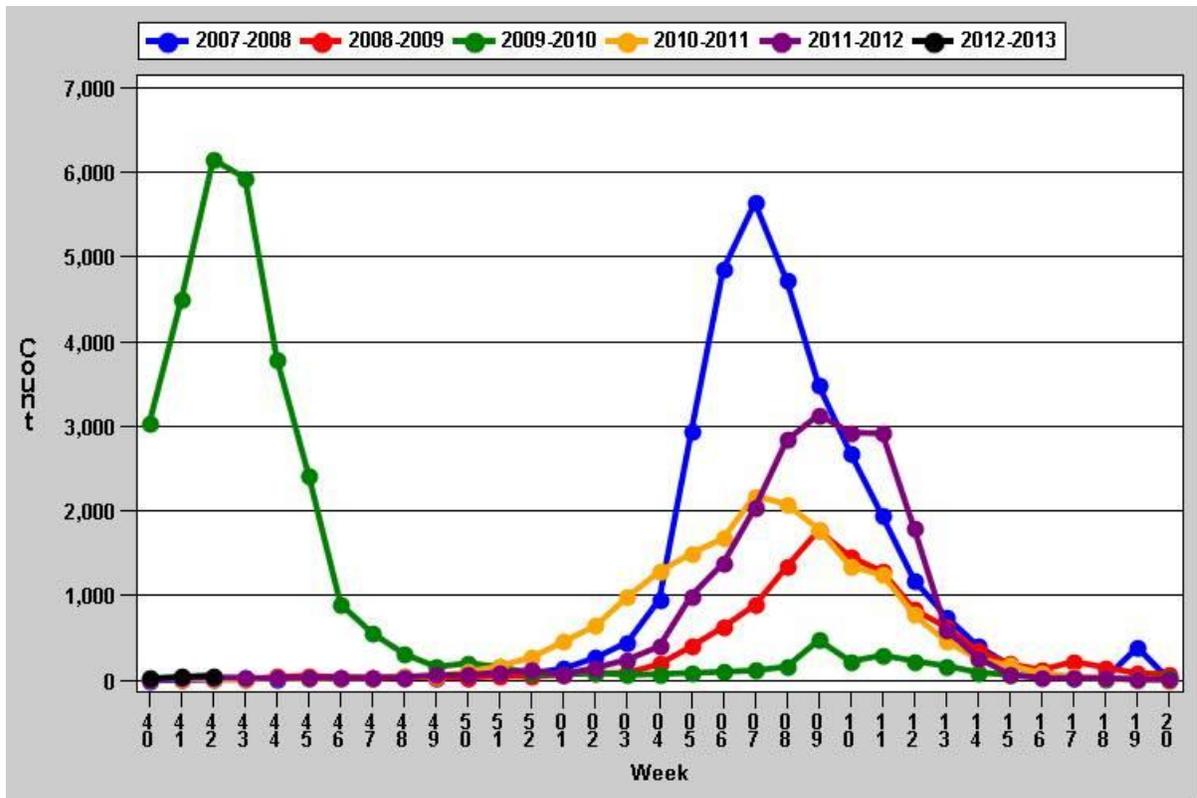
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending October 20, 2012 (Week 42)

| District | 2012-2013 Season | 5-Season Median | % Change from 5-Season Median |
|--------------|------------------|-----------------|-------------------------------|
| CE | 38 | 5 | 660.0% |
| EA | 40 | 16 | 150.0% |
| NW | 18 | 12 | 50.0% |
| SE | 18 | 17 | 5.9% |
| SW | 2 | 8 | (75.0%) |
| Total | 116 | 54 | 114.8% |

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending October 13, 2012 (Week 41)

| Week 41 | Season-to-Date 2012-2013 | Season-to-Date 2011-2012 | Week 41 Last Season | 5 Year Weekly Median |
|---------|--------------------------|--------------------------|---------------------|----------------------|
| 65 | 182 | 232 | 87 | 62 |

Graph 1. Reported Influenza Cases 2012-2013 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending October 20, 2012 (Week 42)



The number of reported influenza cases for week 42 of the 2012-2013 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending October 20, 2012 (Week 42)

| | Outbreaks | | Closures | |
|----------------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
| | Current Season 2012-2013 | Previous Season 2011-2012 | Current Season 2012-2013 | Previous Season 2011-2012 |
| Week 42 | 0 | 0 | 0 | 0 |
| Season-to-Date (Week 40-Week 42) | 0 | 0 | 0 | 0 |

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending October 20, 2012 (Week 42)**

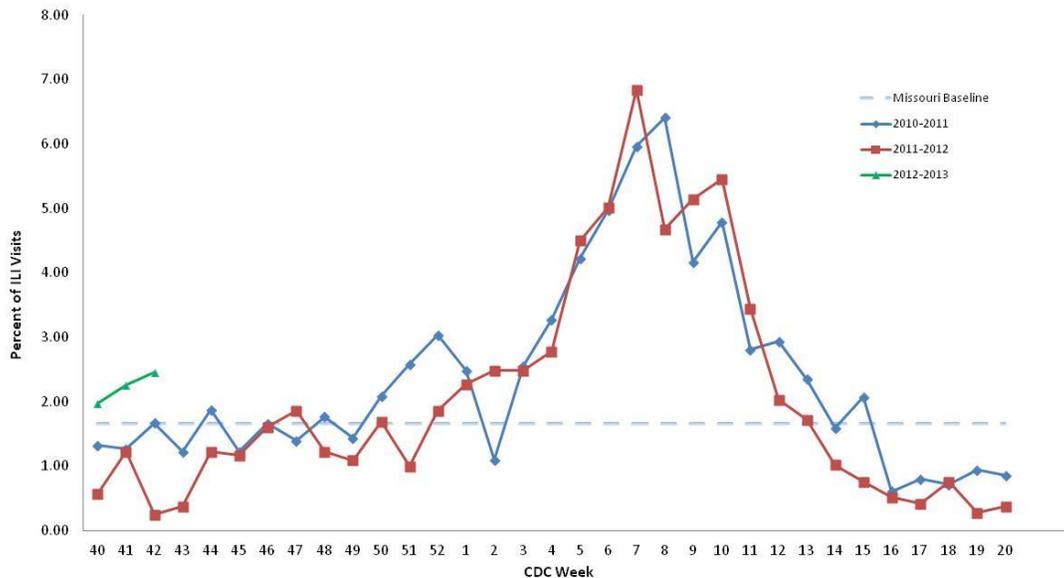
| Jurisdiction | Age 0-4 | Age 5-24 | Age 25-49 | Age 50-64 | Age 65+ | Total ILI Patients Seen | Total Patients Seen | Percent ILI |
|----------------|------------|-------------|--------------|--------------|------------|-------------------------------|---------------------------|----------------|
| Adair | | | | | | | | |
| Audrain | | | | | | | | |
| Boone | | | | | | | | |
| Buchanan | | | | | | | | |
| Butler | | | | | | | | |
| Callaway | 0 | 4 | 6 | 1 | 1 | 12 | 194 | 6.19 |
| Cape Girardeau | 0 | 0 | 0 | 0 | 0 | 0 | 94 | 0 |
| Clay | 0 | 0 | 0 | 0 | 0 | 0 | 191 | 0 |
| Cole | 14 | 11 | 14 | 6 | 10 | 55 | 642 | 8.57 |
| Gasconade | | | | | | | | |
| Greene | | | | | | | | |
| Howell | | | | | | | | |
| Iron | | | | | | | | |
| Jackson | 18 | 24 | 12 | 4 | 2 | 60 | 2,997 | 2.00 |
| Kansas City | | | | | | | | |
| Knox | | | | | | | | |
| Lawrence | | | | | | | | |
| Marion | 0 | 0 | 0 | 0 | 0 | 0 | 106 | 0 |
| McDonald | 0 | 0 | 0 | 1 | 0 | 1 | 388 | 0.26 |
| Moniteau | 0 | 0 | 0 | 0 | 0 | 0 | 111 | 0 |
| Nodaway | | | | | | | | |
| Pettis | | | | | | | | |
| Phelps | 0 | 5 | 0 | 0 | 0 | 5 | 321 | 1.56 |
| Putnam | 0 | 0 | 0 | 1 | 0 | 1 | 255 | 0.39 |
| Reynolds | | | | | | | | |
| Saline | 1 | 0 | 0 | 1 | 0 | 2 | 181 | 1.1 |
| St. Clair | 0 | 0 | 0 | 0 | 0 | 0 | 55 | 0 |
| State Total | 33 | 44 | 32 | 14 | 13 | 136 | 5,535 | 2.46 |

*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 2.2%.

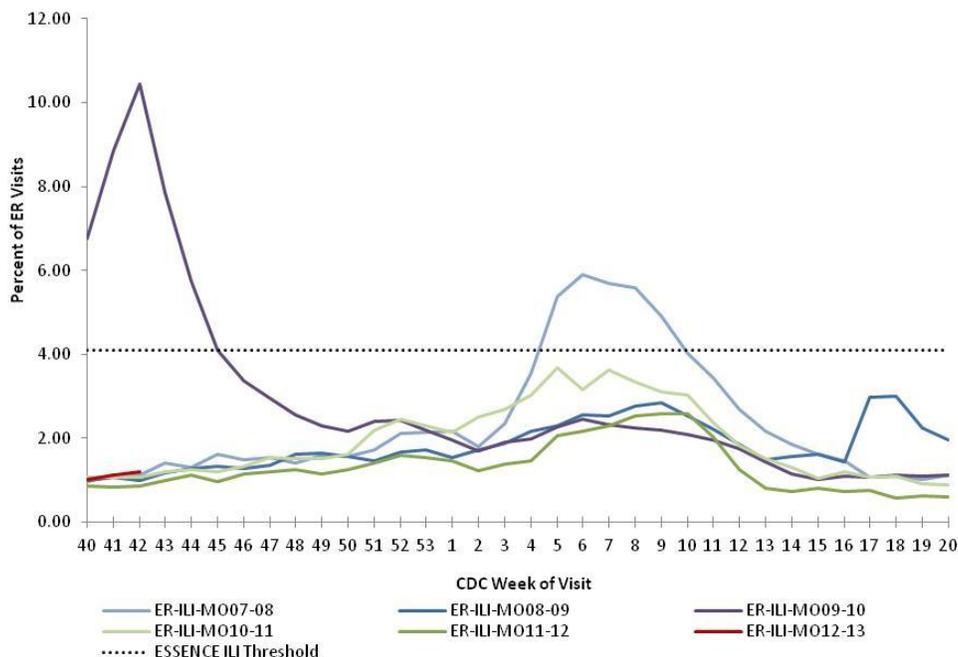
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2012-2013 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending October 20, 2012 (Week 42)



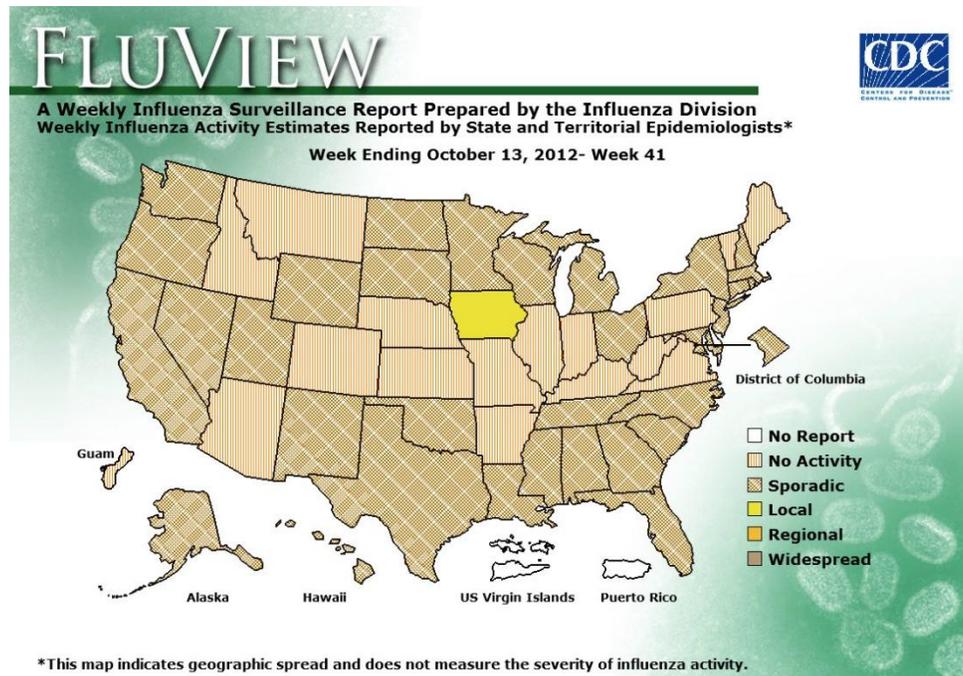
ILINet baseline refers to the mean of the values during previous three influenza seasons (week 40-20, 2008-2009, 2010-11 and 2011-12) with low influenza activity.

The proportion of patient visits for influenza-like illness is 2.46% for week ending October 20, 2012 (week 42). This is above Missouri’s baseline of 1.66%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2013 Influenza Seasons Through the Week Ending October 20, 2012 (Week 42)



*ESSENCE ILI Threshold refers to the mean plus 3 standard deviations of the values during previous influenza seasons (weeks 40-20, 2006-07, 2008-09 and 2010-2011) when influenza activity was low.



For the week ending October 20, 2012 (Week 42), Missouri reported **No activity** to the CDC. No activity is defined as influenza-like illness activity is low and there are no lab confirmed cases.

For the week ending October 13, 2012 (week 41), Flu View reported no states with widespread or regional influenza activity. One state reported local influenza activity, 32 states reported sporadic influenza activity, 16 states reported no activity and one state did not report. 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).