



Missouri Weekly Influenza Report 2012-2013 Season¹

Missouri is reporting “Regional” to the CDC for Week 49².

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 December 8, 2012 (Week 49)

| Serogroups | A (non-typed) | A (H1) | A (H1N1) | A (H3) | B | A or B Untyped (rapid test) | Total |
|------------|---------------|--------|----------|--------|-----|-----------------------------|-------|
| Week 49 | 105 | 0 | 0 | 3 | 705 | 17 | 830 |

A total of ten specimens were received by the State Public Health Laboratory for viral testing during week 49. One was positive for Influenza B, three were positive for Influenza A H3, and six were negative for influenza.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending December 8, 2012 (Week 49)

| Influenza Type | 2012-2013 Season | 5-Season Median | % Change from 5-Season Median |
|------------------------------|------------------|-----------------|-------------------------------|
| Influenza A | 462 | 161 | 187.0% |
| Influenza B | 3,816 | 90 | 4140.0% |
| Influenza Unknown Or Untyped | 58 | 26 | 123.1% |
| Total | 4,336 | 279 | 1454.1% |

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending December 8, 2012 (Week 49)

| Age Group | 2012-2013 Season | 5-Season Median | % Change from 5-Season Median |
|-----------|------------------|-----------------|-------------------------------|
| 00-<02 | 321 | 25 | 1184.0% |
| 02-04 | 714 | 32 | 2131.3% |
| 05-14 | 1,967 | 47 | 4085.1% |
| 15-24 | 238 | 31 | 667.7% |
| 25-49 | 658 | 84 | 683.3% |
| 50-64 | 273 | 33 | 727.3% |
| 65+ | 165 | 27 | 511.1% |
| Total | 4,336 | 279 | 1454.1% |

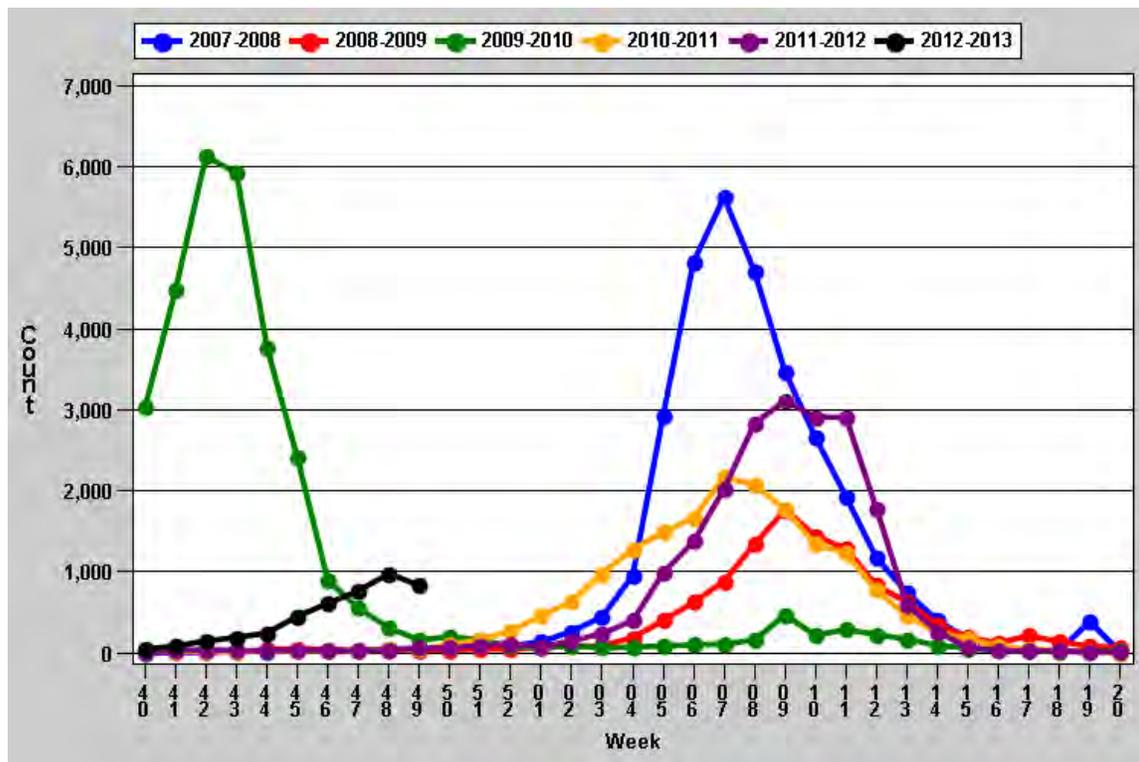
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending December 8, 2012 (Week 49)

| District | 2012-2013 Season | 5-Season Median | % Change from 5-Season Median |
|----------|------------------|-----------------|-------------------------------|
| CE | 1,191 | 41 | 2804.9% |
| EA | 2,335 | 68 | 3333.8% |
| NW | 382 | 58 | 558.6% |
| SE | 251 | 47 | 434.0% |
| SW | 177 | 54 | 227.8% |
| Total | 4,336 | 279 | 1454.1% |

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending December 1, 2012 (Week 48)

| Week 48 | Season-to-Date 2012-2013 | Season-to-Date 2011-2012 | Week 48 Last Season | 5 Year Weekly Median |
|---------|--------------------------|--------------------------|---------------------|----------------------|
| 89 | 663 | 782 | 92 | 62 |

Graph 1. Reported Influenza Cases 2012-2013 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending December 8, 2012 (Week 49)



The number of reported influenza cases for week 49 of the 2012-2013 season is above historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending December 8, 2012 (Week 49)

| | Outbreaks | | Closures | |
|----------------------------------|--------------------------|---------------------------|--------------------------|---------------------------|
| | Current Season 2012-2013 | Previous Season 2011-2012 | Current Season 2012-2013 | Previous Season 2011-2012 |
| Week 49 | 1 | 0 | 2 | 0 |
| Season-to-Date (Week 40-Week 49) | 1 | 0 | 5 | 0 |

Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County Influenza-like Illness (ILI) for the Week Ending December 8, 2012 (Week 49)

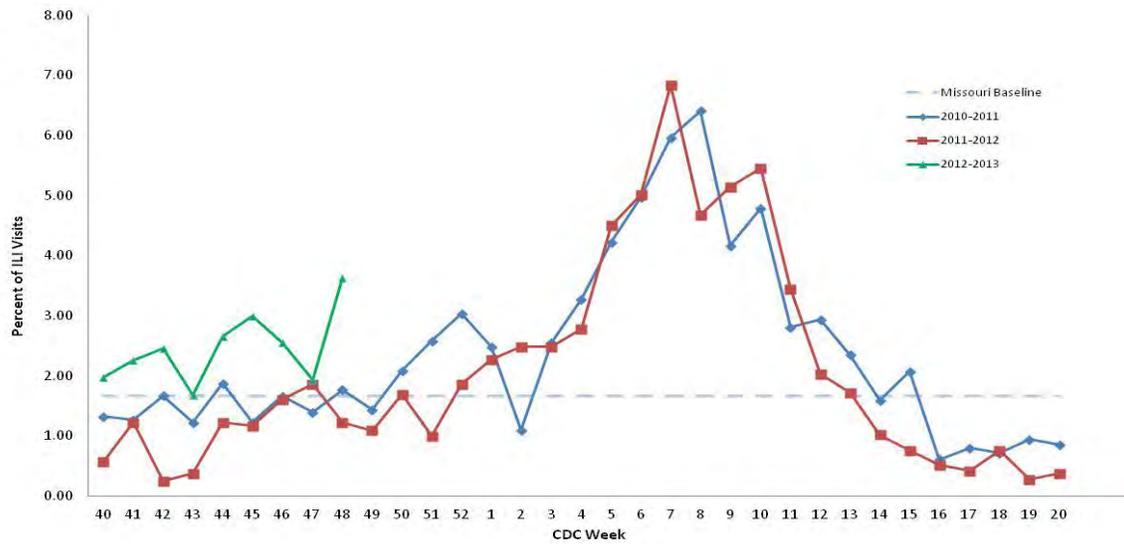
| Jurisdiction | Age 0-4 | Age 5-24 | Age 25-49 | Age 50-64 | Age 65+ | Total ILI Patients Seen | Total Patients Seen | Percent ILI |
|----------------|---------|----------|-----------|-----------|---------|-------------------------|---------------------|-------------|
| Adair | 0 | 1 | 0 | 0 | 0 | 1 | 139 | 0.72 |
| Audrain | 1 | 2 | 0 | 0 | 0 | 3 | 228 | 1.32 |
| Boone | 0 | 3 | 0 | 0 | 0 | 3 | 715 | 0.42 |
| Callaway | 4 | 13 | 5 | 3 | 2 | 27 | 184 | 14.67 |
| Cape Girardeau | 0 | 0 | 0 | 0 | 0 | 0 | 76 | 0 |
| Clay | 0 | 0 | 0 | 0 | 0 | 0 | 184 | 0 |
| Cole | 28 | 19 | 32 | 6 | 13 | 98 | 699 | 14.02 |
| Gasconade | | | | | | | | |
| Greene | 0 | 0 | 0 | 0 | 0 | 0 | 161 | 0 |
| Iron | | | | | | | | |
| Jackson | 17 | 30 | 13 | 3 | 1 | 64 | 2,232 | 2.87 |
| Kansas City | | | | | | | | |
| Knox | 1 | 0 | 0 | 0 | 0 | 1 | 104 | 0.96 |
| Marion | | | | | | | | |
| McDonald | 3 | 8 | 1 | 4 | 2 | 18 | 327 | 5.50 |
| Moniteau | 0 | 0 | 0 | 0 | 0 | 0 | 136 | 0 |
| Nodaway | 0 | 2 | 0 | 0 | 0 | 2 | 160 | 1.25 |
| Pettis | 1 | 0 | 0 | 0 | 0 | 1 | 353 | 0.28 |
| Phelps | 0 | 0 | 0 | 0 | 0 | 0 | 252 | 0 |
| Putnam | 3 | 2 | 0 | 1 | 0 | 6 | 277 | 2.17 |
| Reynolds | 0 | 0 | 0 | 0 | 0 | 0 | 36 | 0 |
| Saline | 4 | 1 | 4 | 2 | 0 | 11 | 193 | 5.70 |
| St. Clair | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 0 |
| State Total | 62 | 81 | 55 | 19 | 18 | 235 | 6,482 | 3.63 |

*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 the above the national baseline of 2.2%.

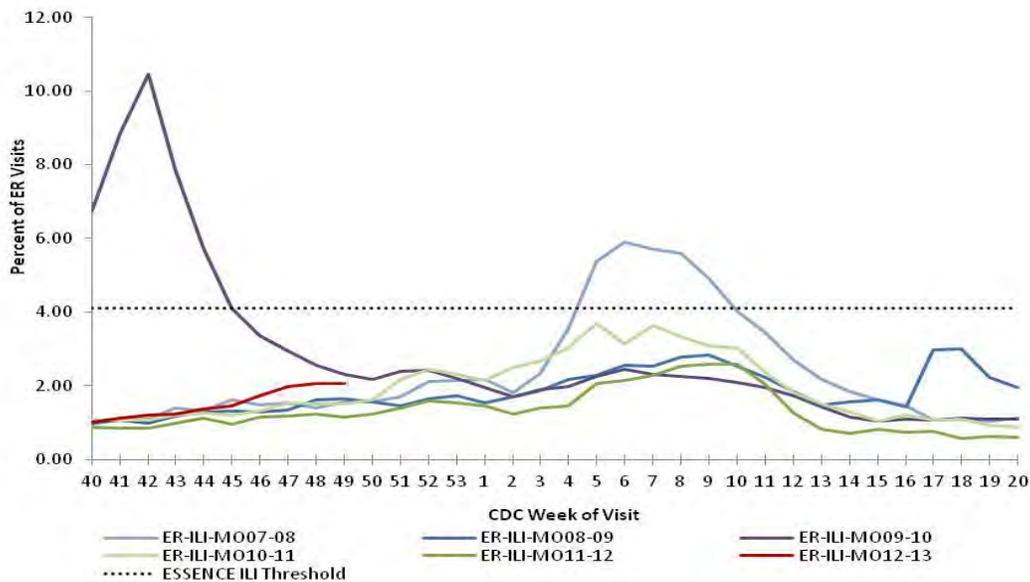
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2012-2013 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending December 8, 2012 (Week 49)



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.

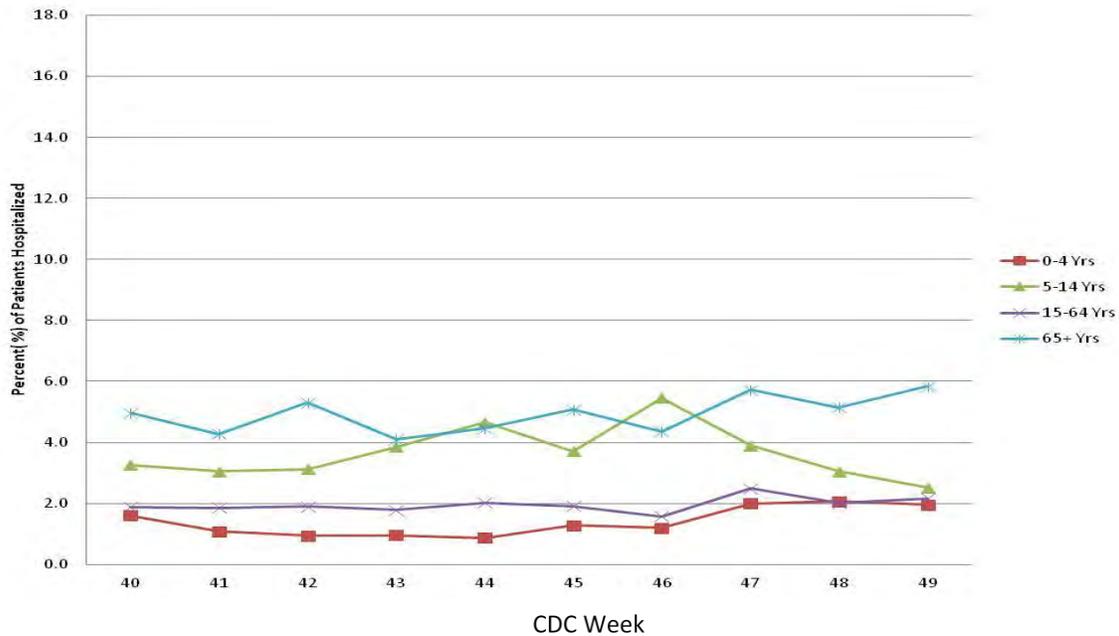
The proportion of patient visits for influenza-like illness is 3.63% for the week ending December 8, 2012 (week 49). This is above Missouri’s baseline of 1.66%, and also above the previous two influenza seasons.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2013 Influenza Seasons Through the Week Ending December 8, 2012 (Week 49)



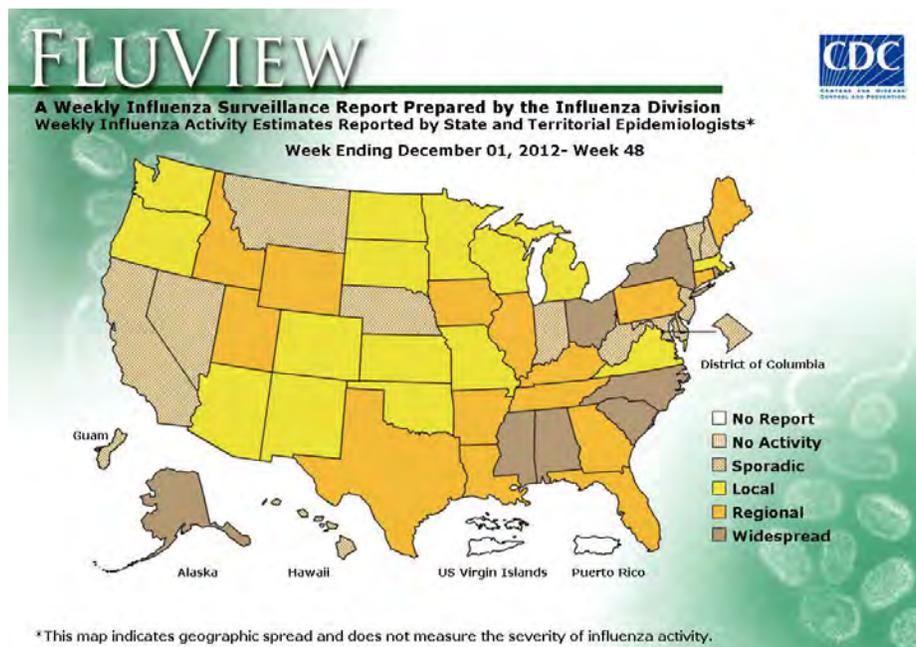
*ESSENCE ILI Threshold refers to the mean plus 3 standard deviations of the values during previous influenza seasons (weeks 40-20, 2006-07, 2008-09 and 2010-2011) when influenza activity was low.

Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 90 Participating Missouri Hospitals Through the Week Ending December 8, 2012 (Week 49)



*Please use caution when comparing current 2012-2013 influenza season inpatient hospitalization numbers to previous years due to major revisions to the inpatient database environment.

The 65+ age group increased to 5.84% in week 49, and the 15-64 age group increased slightly to 2.17%. The other two age groups decreased in Week 49.



For the week ending December 8, 2012 (Week 49), Missouri reported **Regional** to the CDC. Regional Activity is defined as: Increased ILI in at least 2 regions but less 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 December 1, 2012 (week 48), Flu View reported eight states with widespread activity, 15 states reported regional influenza activity, 15 states reported local influenza activity, and 12 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.

Antigenic Characterization of Missouri Influenza Isolates submitted to CDC by the State Public Health Laboratory: CDC antigenically characterizes samples of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services, State Public Health Laboratory.

CDC has antigenically characterized three isolates so far this season from Missouri: All three were B/WISCONSIN/01/2010-LIKE.

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).