



Missouri Weekly Influenza Report 2010-2011 Season¹

Missouri is reporting “Regional” to the CDC for Week 2².

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 January 15, 2011 (Week 2)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 2	296	0	7	4	28	7	342

A total of seventeen specimens were received by the State Public Health Laboratory for viral testing during week 2. Eleven were positive for Influenza A. Seven, (64%) were positive for 2009 Influenza A (H1N1) and four (36%) were positive for Influenza A (H3).

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending January 15, 2011 (Week 2)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	1,233	565	118.2%
Influenza B	197	154	27.9%
Influenza Unknown Or Untyped	41	210	(80.5%)
Total	1,471	808	82.1%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending January 15, 2011 (Week 2)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	134	100	34.0%
02-04	193	94	105.3%
05-14	301	177	70.1%
15-24	251	121	107.4%
25-49	394	210	87.6%
50-64	113	84	34.5%
65+	85	126	(32.5%)
Total	1,471	808	82.1%

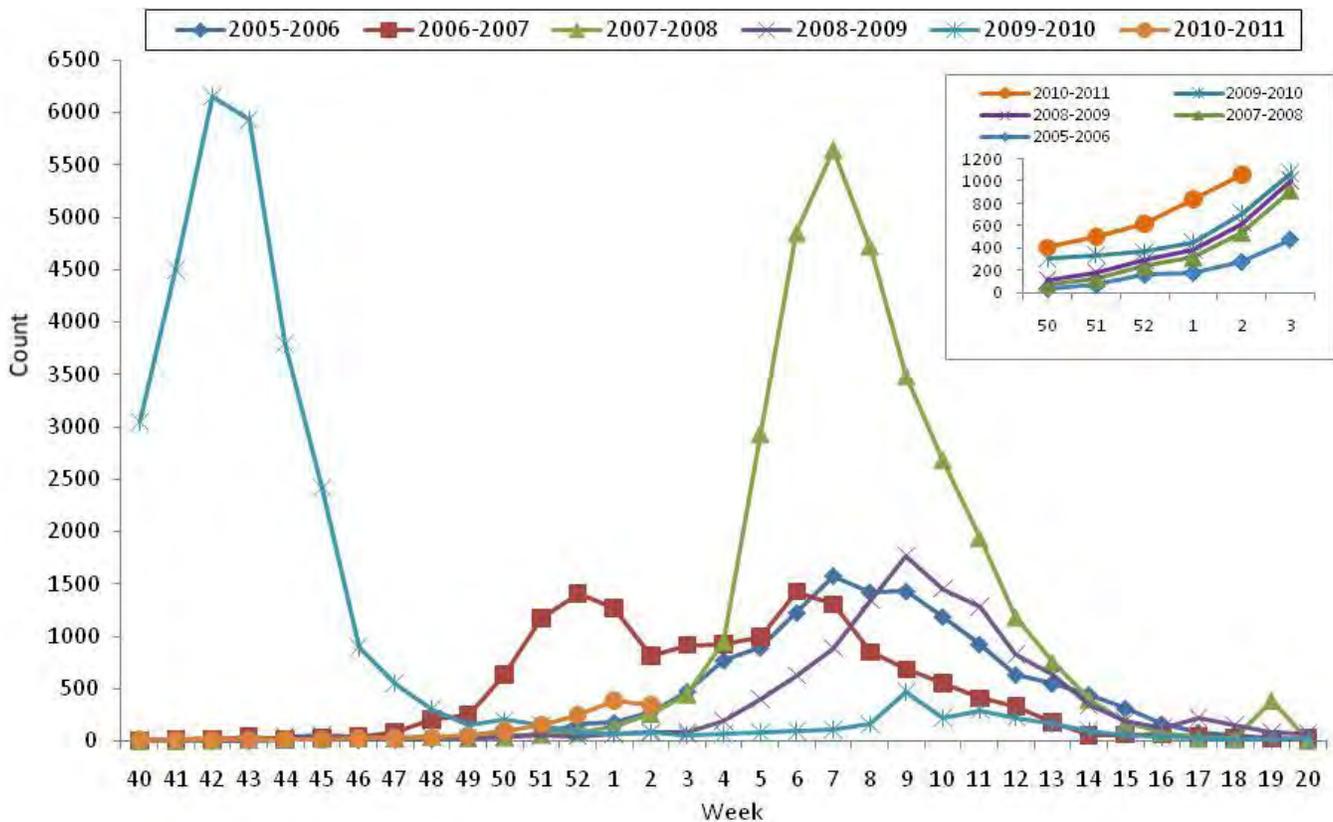
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending January 15, 2011 (Week 2)

District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	114	158	(27.8%)
EA	945	198	377.3%
NW	170	332	(48.8%)
SE	70	133	(47.4%)
SW	172	323	(46.7%)
Total	1,471	808	82.1%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending January 8, 2010 (Week 1)

Week 1	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 1 Last Season	5 Year Weekly Median
110	1,262	966	62	70

Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending January 15, 2011 (Week 2)



The number of reported influenza cases for week 2 of the 2010-2011 season is slightly above historic levels. The inset above is a magnified view of week 50 through the current week.

Outbreaks/Closures of Influenza-like Illness: No school closings have been reported for week 2 of the current season; no school closures were reported for this week last season. No outbreaks have been reported for week 2 of the current season; no outbreaks were reported for this week last season. No school closings or outbreaks have been reported season-to-date for the 2010-2011 season; fifty-seven school closings and thirteen outbreaks were reported for the same period (week 40-week 2) during the 2009-2010 season.

**Table 6. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending January 15, 2011 (Week 2)**

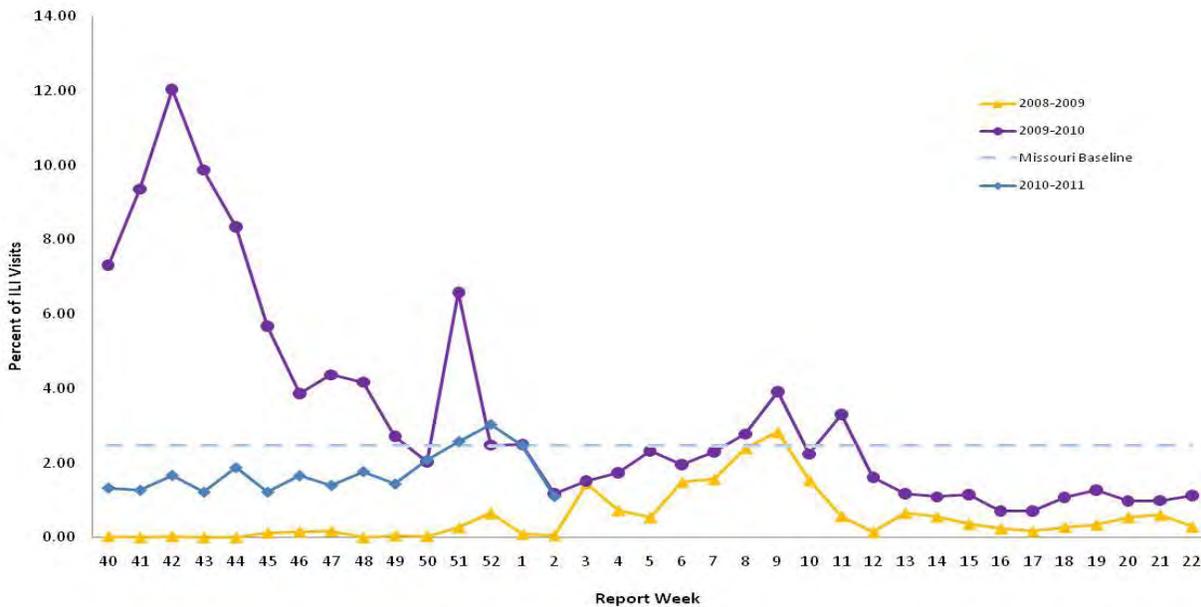
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Buchanan								
Butler								
Callaway								
Cape Girardeau								
Clay	0	0	0	0	0	0	122	0
Cole								
Dallas								
Franklin								
Greene								
Howell								
Iron								
Jackson	6	1	0	0	0	7	188	3.72
Kansas City								
Knox								
Lawrence	0	0	0	0	0	0	58	0
Marion	0	0	0	1	0	1	91	1.1
McDonald	0	0	0	0	0	0	155	0
Moniteau								
Nodaway								
Pettis								
Phelps								
Putnam	0	1	0	0	0	1	187	0.53
Reynolds								
Saline								
St. Clair	0	0	0	0	0	0	16	0
St. Louis County								
State Total	6	2	0	1	0	9	817	1.10

*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 **below** the national baseline of 2.5%.

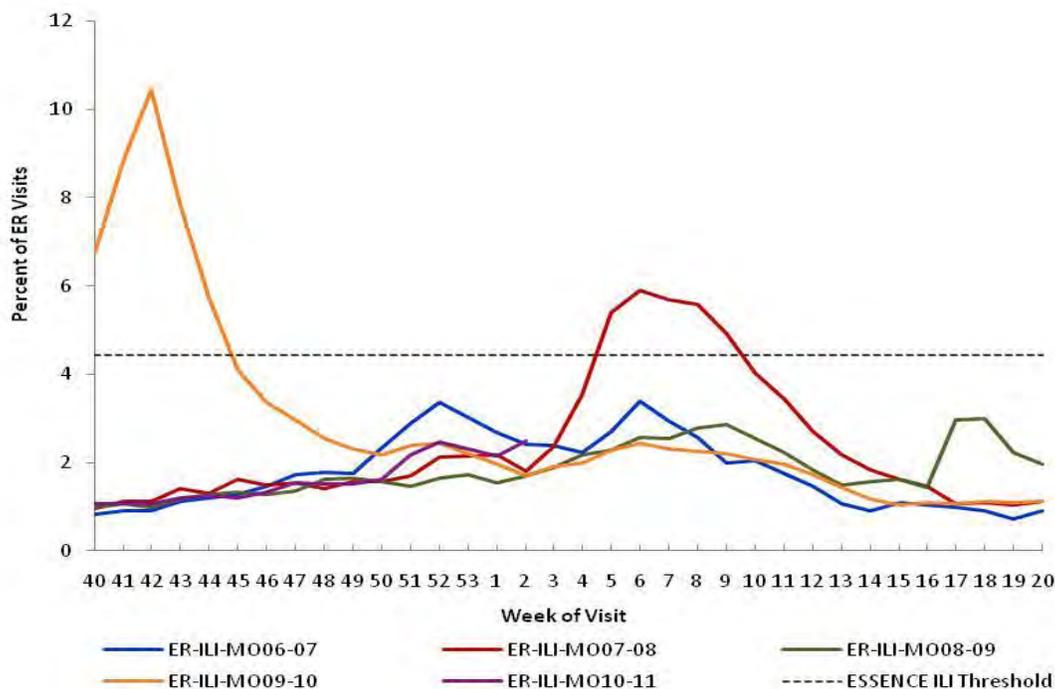
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending January 15, 2011 (Week 2)



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

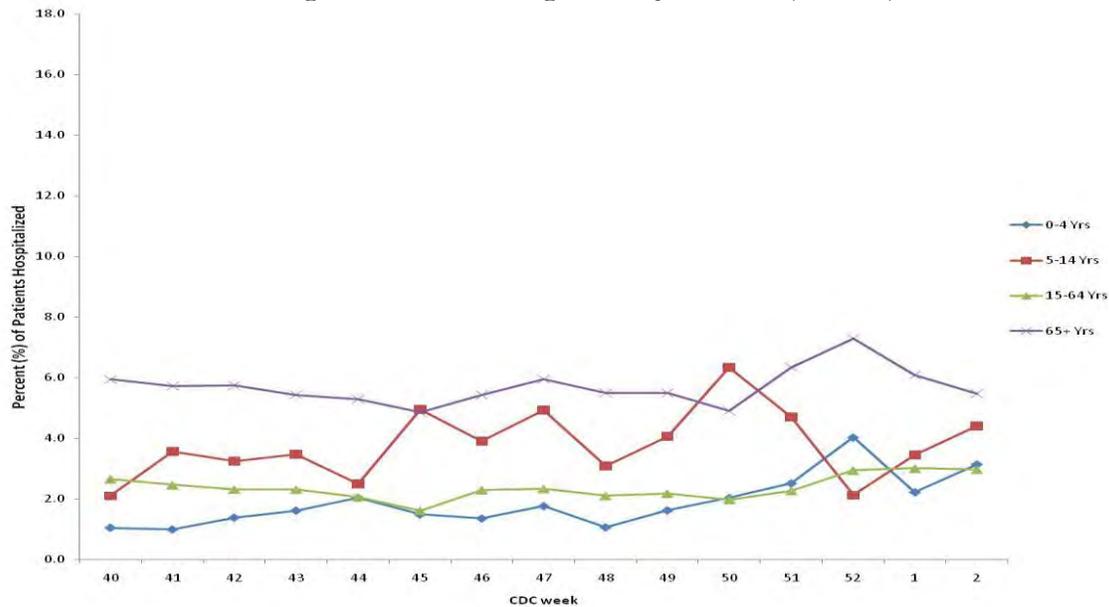
For week ending January 15, 2011 (week 2) 1.10% was reported, which is below Missouri’s baseline of 2.47%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending January 15, 2011 (Week 2)

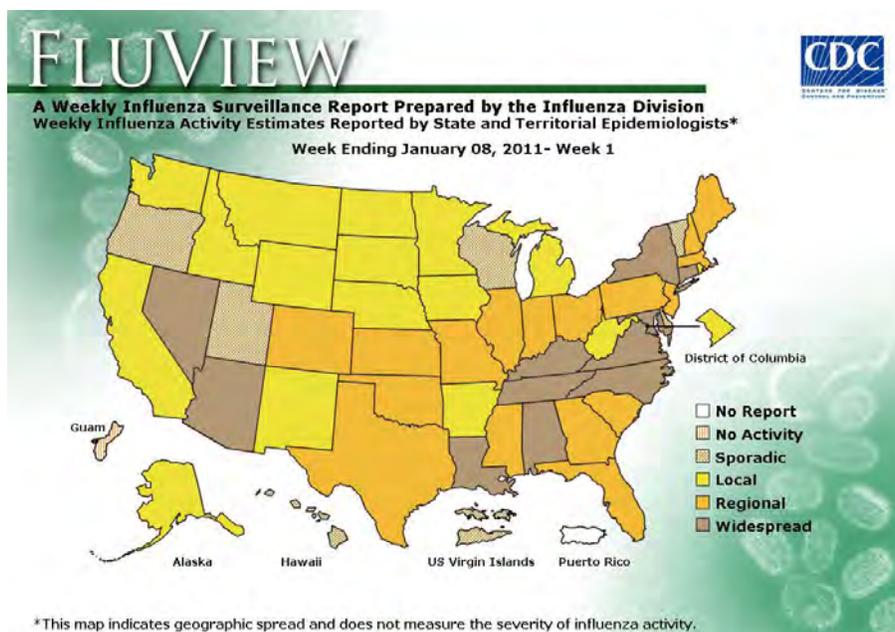


*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending January 15, 2011 (Week 2)



The 65 and older age group has decreased to 5.48% in Week 2; this is the 2nd consecutive week there has been a decrease for this age group. The 5-14 age group has increased to 4.41% in Week 2; this is the 2nd consecutive week there has been an increase in this age group.



For the week ending January 15, 2011 (week 2), Missouri reported **Regional** 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 8, 2011 (week 1), Flu View reported eleven states with widespread influenza activity; 17 states reported regional influenza activity; 16 states reported local influenza activity; and six 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).