



# Missouri Weekly Influenza Report 2010-2011 Season<sup>1</sup>

**Missouri is reporting “Widespread Activity” to the CDC for Week 7<sup>2</sup>.**

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 19, 2011 (Week 7)**

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 7	572	0	3	6	268	14	863

A total of thirteen specimens were received by the State Public Health Laboratory for viral testing during week 7. Three were positive for 2009 Influenza A (H1N1), six were positive for Influenza A (H3), three were positive for Influenza B, and one was negative for influenza.

**Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending February 19, 2011 (Week 7)**

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	5,906	7,444	( 20.7%)
Influenza B	1,764	677	160.6%
Influenza Unknown Or Untyped	238	2,431	( 90.2%)
Total	7,908	11,572	( 31.7%)

**Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending February 19, 2011 (Week 7)**

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	706	1,414	( 50.1%)
02-04	1,088	1,829	( 40.5%)
05-14	2,293	3,192	( 28.2%)
15-24	1,318	908	45.2%
25-49	1,709	1,276	33.9%
50-64	474	401	18.2%
65+	320	301	6.3%
Total	7,908	11,572	( 31.7%)

**Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending February 19, 2011 (Week 7)**

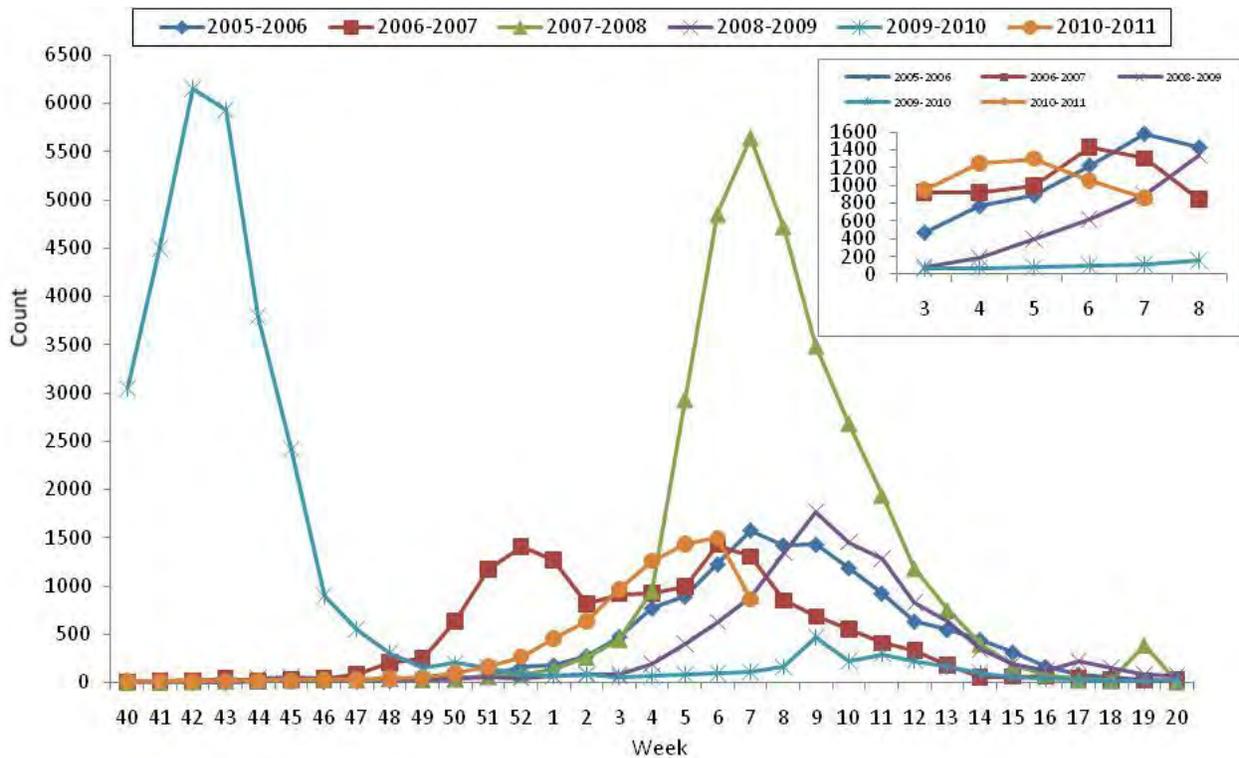
District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	772	1,523	( 49.3%)
EA	2,683	2,758	( 2.7%)
NW	1,315	3,301	( 60.2%)
SE	1,605	1,372	17.0%
SW	1,533	1,841	( 16.7%)
Total	7,908	11,572	( 31.7%)

**Table 5. Deaths involving Pneumonia and Influenza (P&I)  
Reported During the Week Ending February 12, 2011 (Week 6)**

Week 6	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 6 Last Season*	5 Year Weekly Median
84	1616	1274	20	77

\*A new system was implemented February 2010 causing P&I death data to be inconsistent.

**Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending February 19, 2011 (Week 7)**



The number of reported influenza cases for week 6 of the 2010-2011 season is following 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
<b>Week 7</b>	0	0	0	0
<b>Season-to-date (Week 40-Week 7)</b>	2	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 19, 2011 (Week 7)**

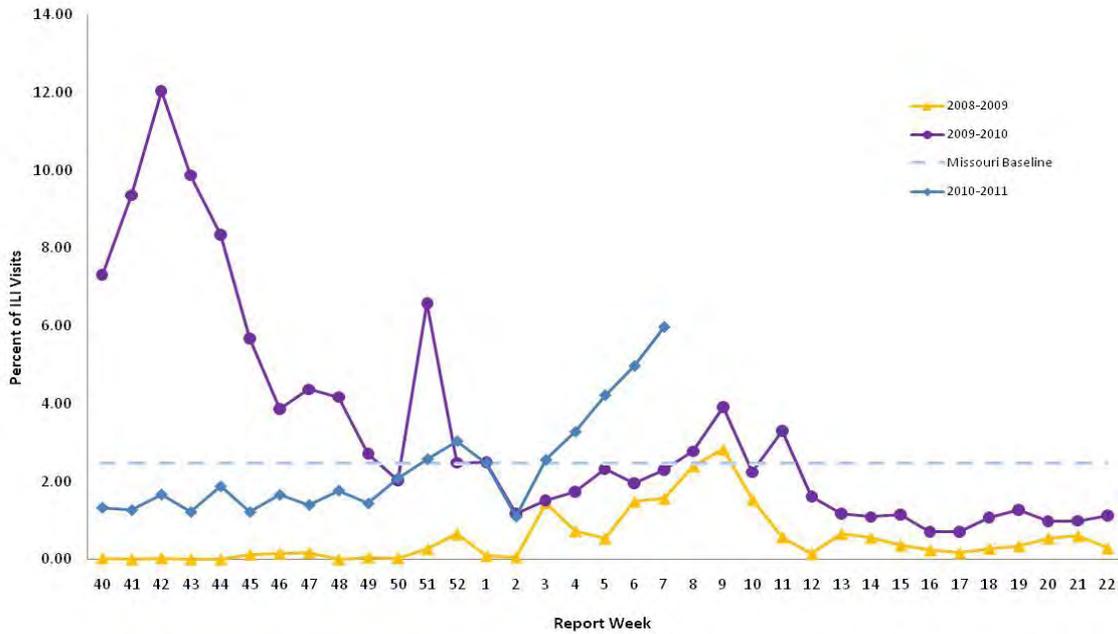
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone	0	27	5	0	0	32	659	4.86
Buchanan								
Butler								
Callaway	5	7	17	0	1	30	204	14.71
Cape Girardeau								
Clay	0	0	0	0	0	0	173	0
Cole								
Dallas	0	0	0	0	0	0	63	0
Franklin								
Greene								
Howell								
Iron	1	0	0	0	3	4	40	10
Jackson	57	90	39	5	6	197	3004	6.56
Kansas City								
Knox	0	0	2	0	0	2	85	2.35
Lawrence								
Marion	0	0	0	0	0	0	99	0
McDonald	0	0	0	0	0	0	110	0
Moniteau	0	0	0	0	0	0	155	0
Nodaway								
Pettis								
Phelps								
Putnam	6	18	1	1	1	27	227	11.89
Reynolds								
Saline								
St. Clair	0	0	0	0	0	0	70	0
St. Louis County								
State Total	69	142	64	6	11	292	4889	5.97

\*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%.

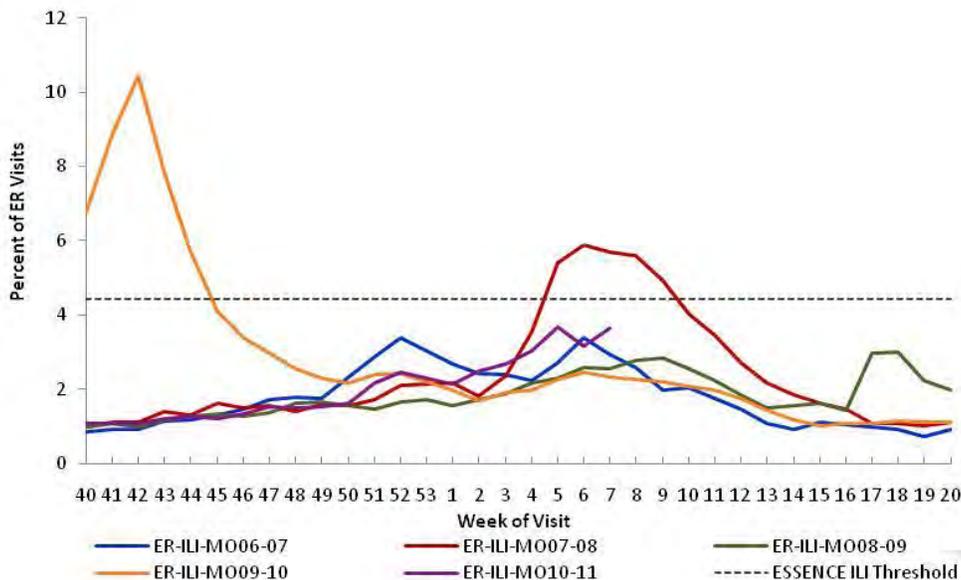
**Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending February 19, 2011 (Week 7)**



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

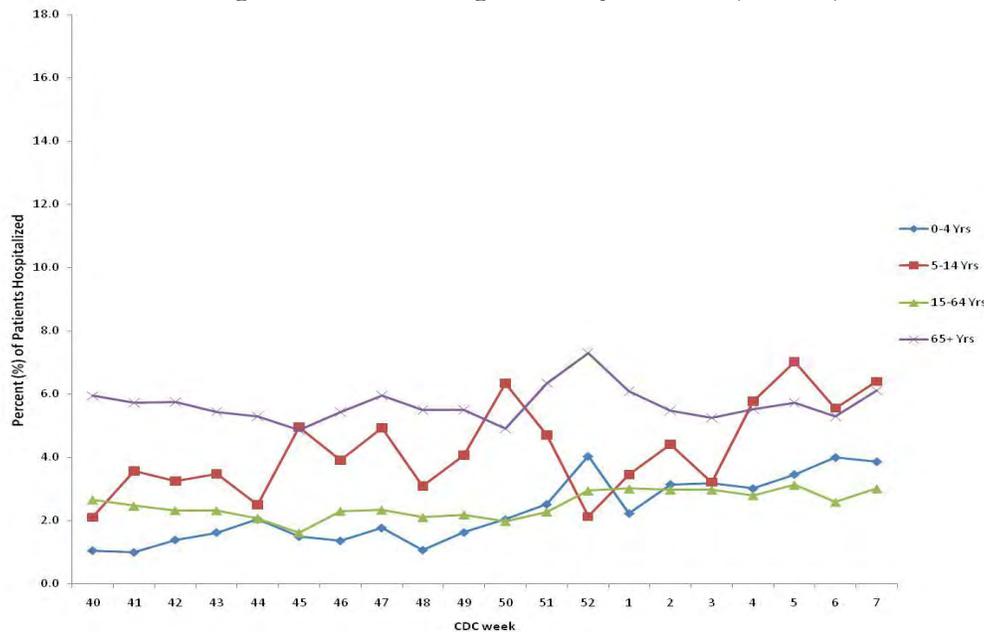
The proportion of patient visits for influenza-like illness was 5.97% for the week ending February 19, 2010 (week 7), as reported by ILINet in Missouri. This is the fifth consecutive week above Missouri’s baseline of 2.47%.

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending February 19, 2011 (Week 7)**

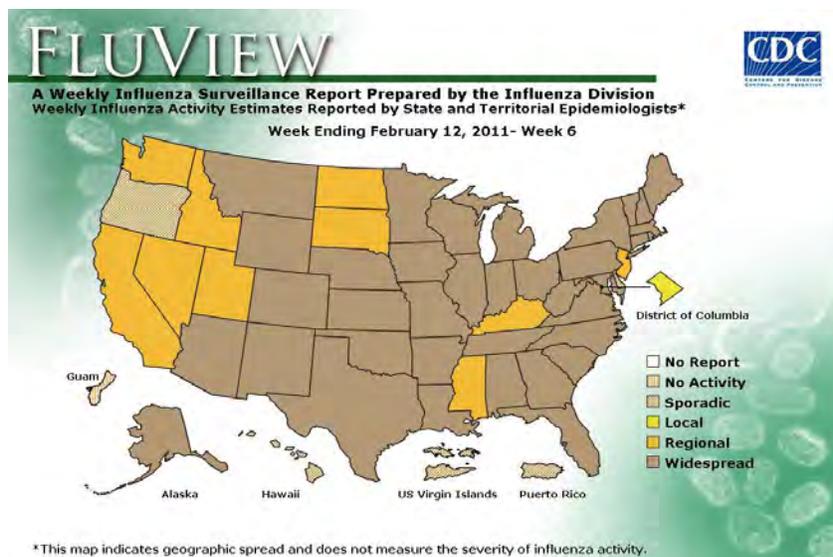


\*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

**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 19, 2011 (Week 7)**



The 65 and older age group has increased to 6.12% in Week 7. The 5-14 age group has increased to 6.40% in Week 7.



For the week ending February 19, 2011 (week 7), Missouri reported **Widespread** activity to the CDC. Widespread activity is defined as increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions and recent (within the past 3 weeks) lab confirmed influenza in the state.

For the week ending February 12, 2011 (week 6), Flu View reported 37 states with widespread influenza activity; ten states reported regional influenza activity; no states reported local influenza activity; and three 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**.

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

<sup>2</sup>*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).