



Missouri Weekly Influenza Report 2010-2011 Season¹

Missouri is reporting “Regional Activity” to the CDC for Week 4².

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 29, 2011 (Week 4)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 4	783	0	3	0	188	32	1,006

A total of nine specimens were received by the State Public Health Laboratory for viral testing during week 4. Three were positive for 2009 Influenza A (H1N1), two were positive for Influenza B and four were negative for influenza.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending January 29, 2011 (Week 4)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	3,037	1,529	98.6%
Influenza B	588	244	141.0%
Influenza Unknown Or Untyped	106	485	(78.1%)
Total	3,731	2,201	69.5%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending January 29, 2011 (Week 4)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	348	281	23.8%
02-04	525	255	105.9%
05-14	976	539	81.1%
15-24	638	395	61.5%
25-49	862	580	48.6%
50-64	236	188	25.5%
65+	146	167	(12.6%)
Total	3,731	2,201	69.5%

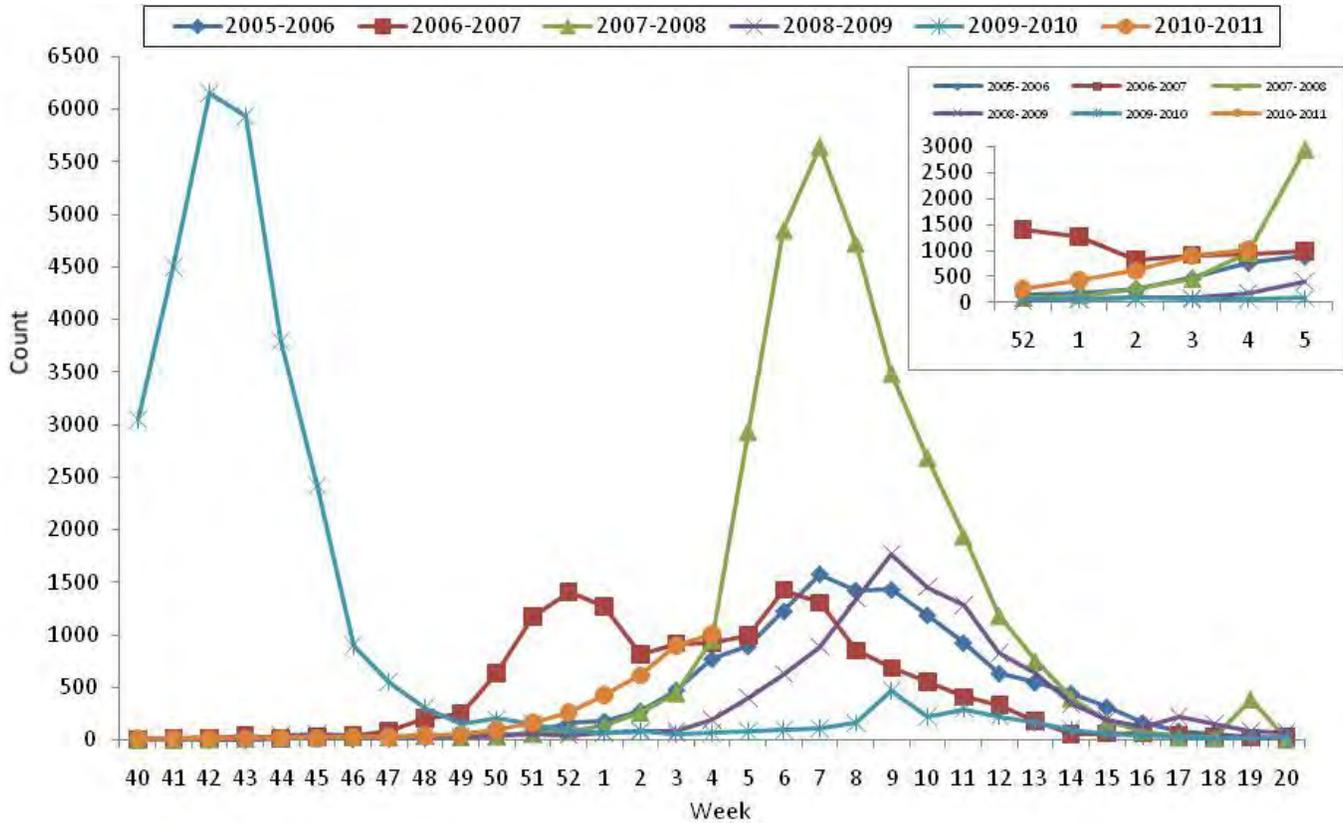
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending January 29, 2011 (Week 4)

District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	339	319	6.3%
EA	1,746	821	112.7%
NW	507	925	(45.2%)
SE	634	232	173.3%
SW	505	500	1.0%
Total	3,731	2,201	69.5%

**Table 5. Deaths involving Pneumonia and Influenza (P&I)
Reported During the Week Ending January 22, 2010 (Week 3)**

Week 3	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 3 Last Season	5 Year Weekly Median
77	1,395	1,118	49	67

Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending January 29, 2011 (Week 4)



The number of reported influenza cases for week 4 of the 2010-2011 season is slightly above the previous 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
Week 4	0	0	0	0
Season-to-date (Week 40-Week 4)	0	13	0	57

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending January 29, 2011 (Week 4)**

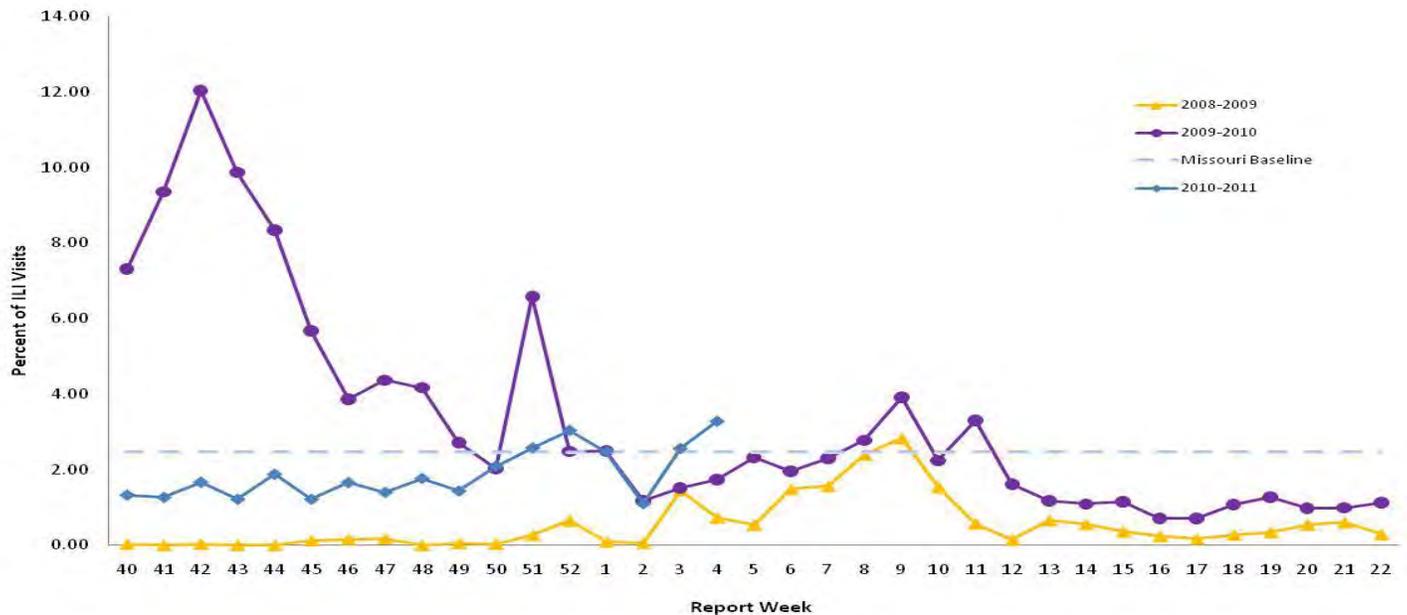
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone	0	22	3	0	0	25	879	2.84%
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	103	0
Clay	0	1	1	0	0	2	129	1.55%
Cole	27	10	14	2	5	58	686	8.45%
Dallas	0	0	0	0	0	0	61	0
Franklin								
Greene	7	1	0	0	0	8	278	2.88%
Howell								
Iron								
Jackson	29	31	21	1	7	89	2,740	3.25%
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	100	0
McDonald	0	3	1	0	0	4	308	1.30%
Moniteau								
Nodaway								
Pettis	0	3	6	0	0	9	329	2.74%
Phelps	0	4	0	0	0	4	243	1.65%
Putnam	0	2	0	0	1	3	226	1.33%
Reynolds	0	1	0	0	0	1	48	2.08%
Saline								
St. Clair	0	0	0	0	0	0	65	0
St. Louis County								
State Total	63	78	46	3	13	203	6,195	3.28%

*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%.

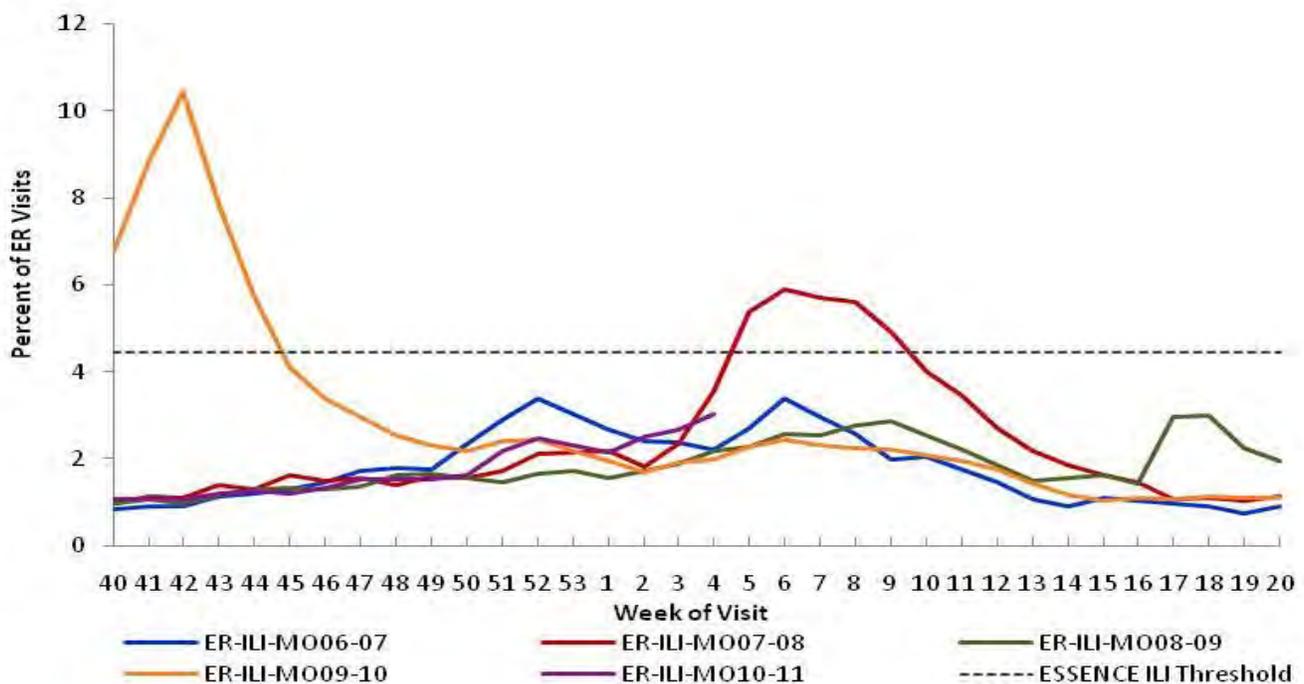
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending January 29, 2011 (Week 4)



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

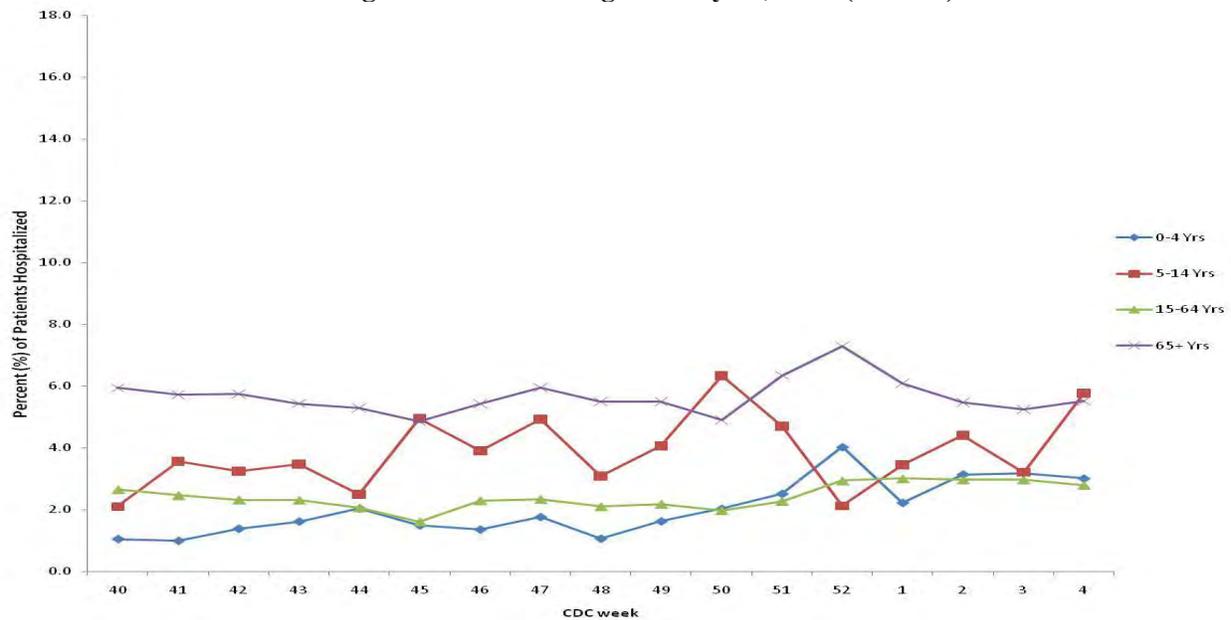
The proportion of patient visits for influenza-like illness was 3.28% for the week ending January 29, 2010 (week 4), as reported by ILINet in Missouri. This is above Missouri’s baseline of 2.47%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending January 29, 2011 (Week 4)

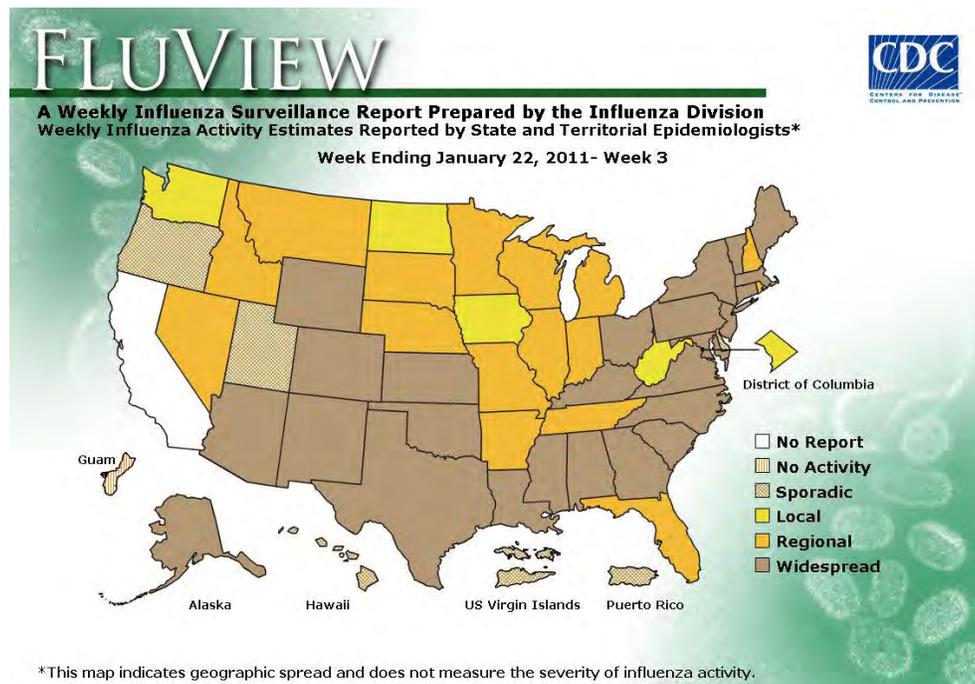


*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

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 29, 2011 (Week 4)



The 65 and older age group has increased to 5.53% in Week 4. The 5-14 age group has increased to 5.77% in Week 4.



For the week ending January 29, 2011 (week 4), Missouri reported **Regional** activity 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 22, 2011 (week 3), Flu View reported 25 states with widespread influenza activity; 16 states reported regional influenza activity; four states reported local influenza activity; four states reported sporadic influenza 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.

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).