



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

Missouri is reporting “Sporadic Activity” to the CDC for Week 19<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 May 14, 2011 (Week 19)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 19	5	0	0	0	2	0	7

No specimens were received by the State Public Health Laboratory for viral testing during week 19.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending May 14, 2011 (Week 19)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	10,532	9,162	15.0%
Influenza B	6,394	2,211	189.2%
Influenza Unknown Or Untyped	802	2,833	( 71.7%)
Total	17,728	14,847	19.4%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending May 14, 2011 (Week 19)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,595	1,703	( 6.3%)
02-04	2,494	2,501	( 0.3%)
05-14	5,616	6,477	( 13.3%)
15-24	2,660	2,186	21.7%
25-49	3,514	2,215	58.6%
50-64	1,024	936	9.4%
65+	825	359	129.8%
Total	17,728	14,847	19.4%

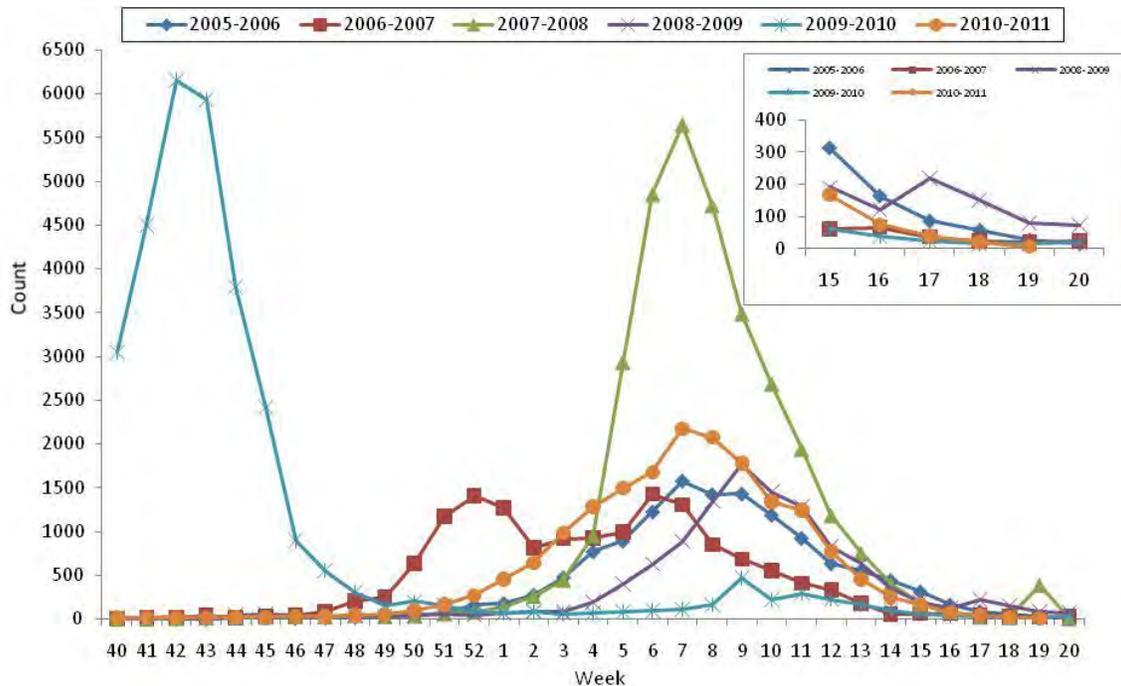
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending May 14, 2011 (Week 19)

District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	1,800	1,877	( 4.1%)
EA	4,924	4,532	8.6%
NW	4,484	4,007	11.9%
SE	2,763	1,786	54.7%
SW	3,757	3,661	2.6%
Total	17,728	14,847	19.4%

**Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending May 7, 2011 (Week 18)**

Week 18	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 18 Last Season	5 Year Weekly Median
130	2,987	2,001	56	78

**Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending May 14, 2011 (Week 19)**



The number of reported influenza cases for week 19 of the 2010-2011 season is following historical trends. The 2007-2008 season has higher case counts due to the mismatch of the vaccine and the circulating influenza strain.

**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 19	0	0	0	0
Season-to-date (Week 40-Week 19)	5	14	0	58

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County  
Influenza-like Illness (ILI) for the Week Ending May 14, 2011 (Week 19)**

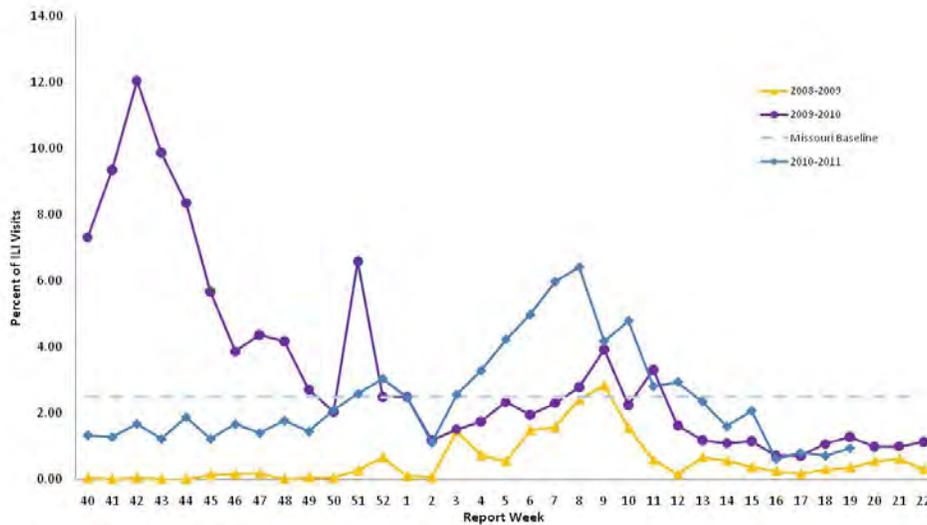
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain	0	0	0	0	0	0	153	0
Boone	0	0	0	0	0	0	627	0
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	73	0
Clay	0	0	0	0	0	0	147	0
Cole	6	0	0	1	0	7	681	1.03
Greene								
Howell								
Iron								
Jackson	17	15	5	3	5	45	3,005	1.5
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	74	0
McDonald	0	0	0	0	0	0	351	0
Moniteau	0	0	0	0	0	0	127	0
Nodaway								
Pettis								
Phelps								
Putnam	0	0	0	0	0	0	199	0
Reynolds								
Saline								
St. Clair	0	0	0	0	0	0	68	0
State Total	23	15	5	4	5	52	5,505	0.94

\*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%.

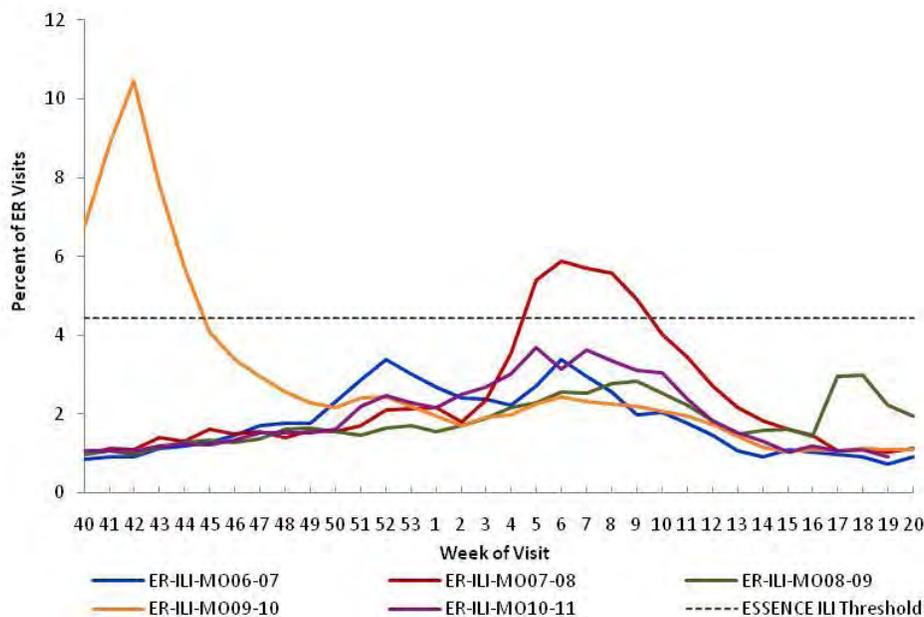
**Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending May 14, 2011 (Week 19)**



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

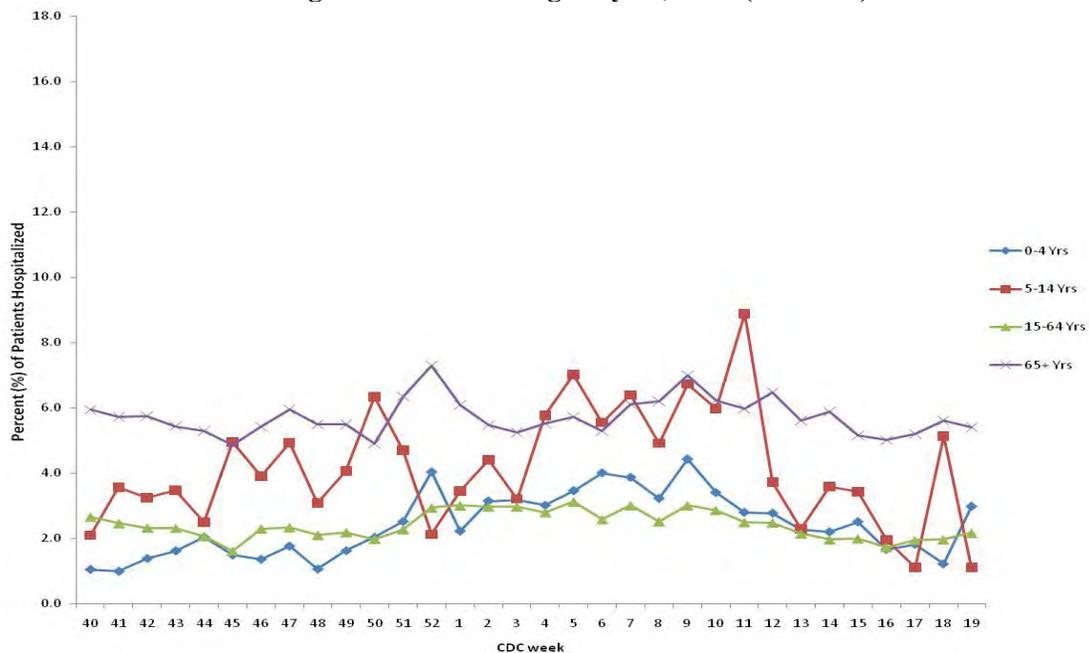
The proportion of patient visits for influenza-like illness has increased from 0.70% for week 18 to 0.94% for the week ending May 14, 2011 (week 19), as reported by ILINet in Missouri. This is below Missouri’s baseline of 2.47%.

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending May 14, 2011 (Week 19)**

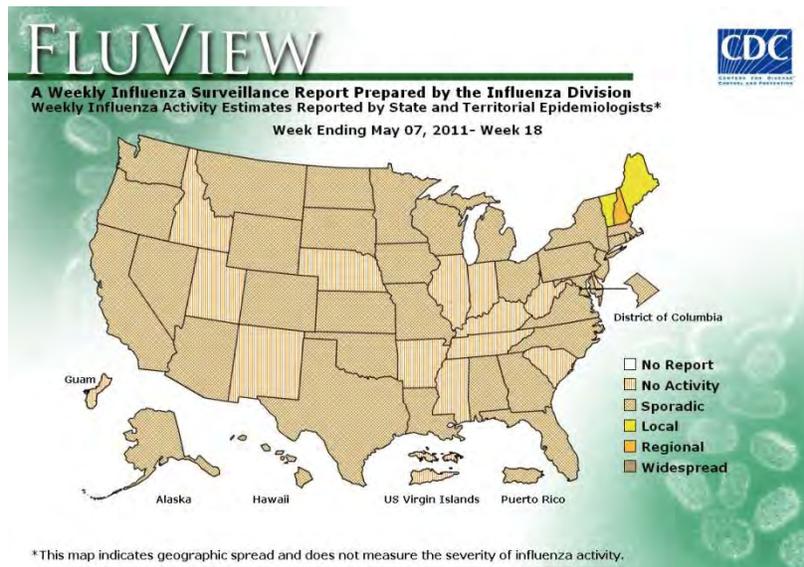


\*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

**Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending May 14, 2011 (Week 19)**



The 15-64 age group increased from 1.97% to 2.17% in Week 19. The 0-4 age group has also increased from 1.22% to 2.98% in week 19. All other age groups have decreased in week 19.



For the week ending May 14, 2011 (Week 19), Missouri reported **Sporadic** activity to the CDC. Sporadic activity is defined as no increase in influenza-like illness activity, and isolated lab confirmed cases of influenza or a lab confirmed outbreak in a single institution in the state.

For the week ending May 7, 2011 (Week 18), Flu View reported no states with widespread influenza activity; one state reported regional influenza activity; two states reported local influenza activity; thirty three states reported sporadic influenza activity and fourteen states reported no 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).