



Missouri Weekly Influenza Report 2010-2011 Season¹

Missouri is reporting “Sporadic Activity” to the CDC for Week 18².

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 7, 2011 (Week 18)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 18	5	0	0	0	11	0	16

No specimens were received by the State Public Health Laboratory for viral testing during week 18.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending May 7, 2011 (Week 18)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	10,527	9,152	15.0%
Influenza B	6,381	2,202	189.8%
Influenza Unknown Or Untyped	802	2,831	(71.7%)
Total	17,710	14,827	19.4%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending May 7, 2011 (Week 18)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,594	1,702	(6.3%)
02-04	2,494	2,500	(0.2%)
05-14	5,608	6,447	(13.0%)
15-24	2,657	2,172	22.3%
25-49	3,513	2,205	59.3%
50-64	1,022	935	9.3%
65+	822	356	130.9%
Total	17,710	14,827	19.4%

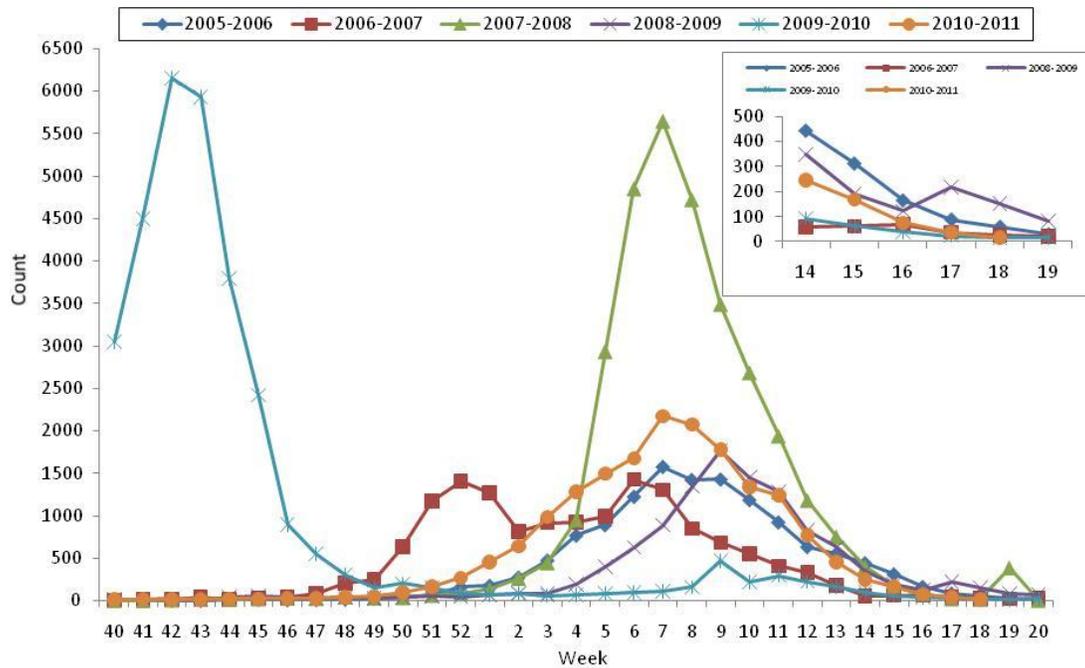
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending May 7, 2011 (Week 18)

District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	1,798	1,871	(3.9%)
EA	4,919	4,508	9.1%
NW	4,481	4,007	11.8%
SE	2,761	1,786	54.6%
SW	3,751	3,652	2.7%
Total	17,710	14,827	19.4%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending April 30, 2011 (Week 17)

Week 17	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 17 Last Season	5 Year Weekly Median
137	2,857	1,945	71	96

Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending May 7, 2011 (Week 18)



The number of reported influenza cases for week 18 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 18	0	0	0	0
Season-to-date (Week 40-Week 18)	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 7, 2011 (Week 18)**

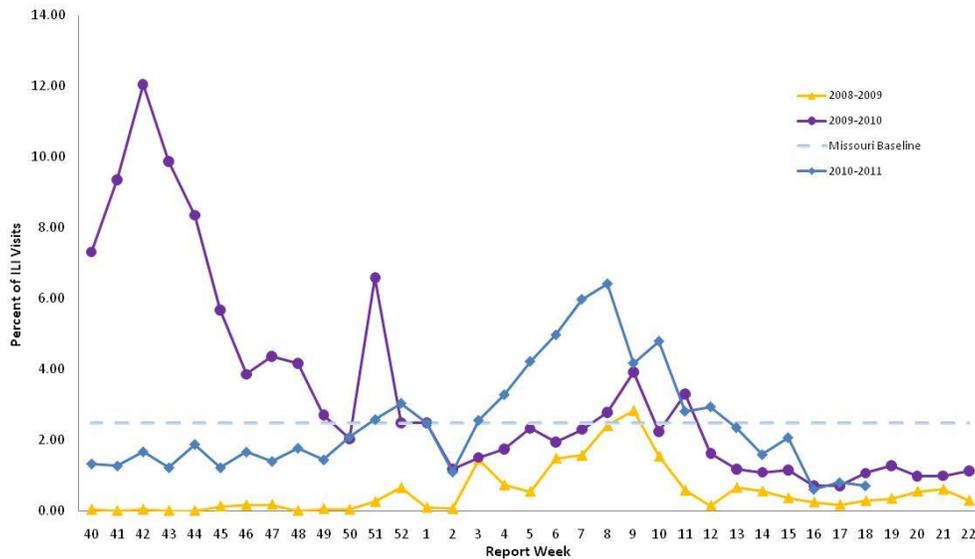
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Buchanan								
Butler								
Callaway								
Cape Girardeau								
Clay	0	0	0	0	0	0	153	0
Cole	3	2	1	2	1	9	677	1.33
Greene								
Howell								
Iron								
Jackson	12	5	7	0	0	24	2,899	0.83
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	81	0
McDonald	0	0	0	0	0	0	213	0
Moniteau	0	0	0	0	0	0	118	0
Nodaway								
Pettis								
Phelps	0	0	0	0	0	0	226	0
Putnam	0	0	0	0	0	0	188	0
Reynolds	0	0	0	0	0	0	40	0
Saline								
St. Clair	0	0	0	0	0	0	61	0
State Total	15	7	8	2	1	33	4,656	0.71

*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%.

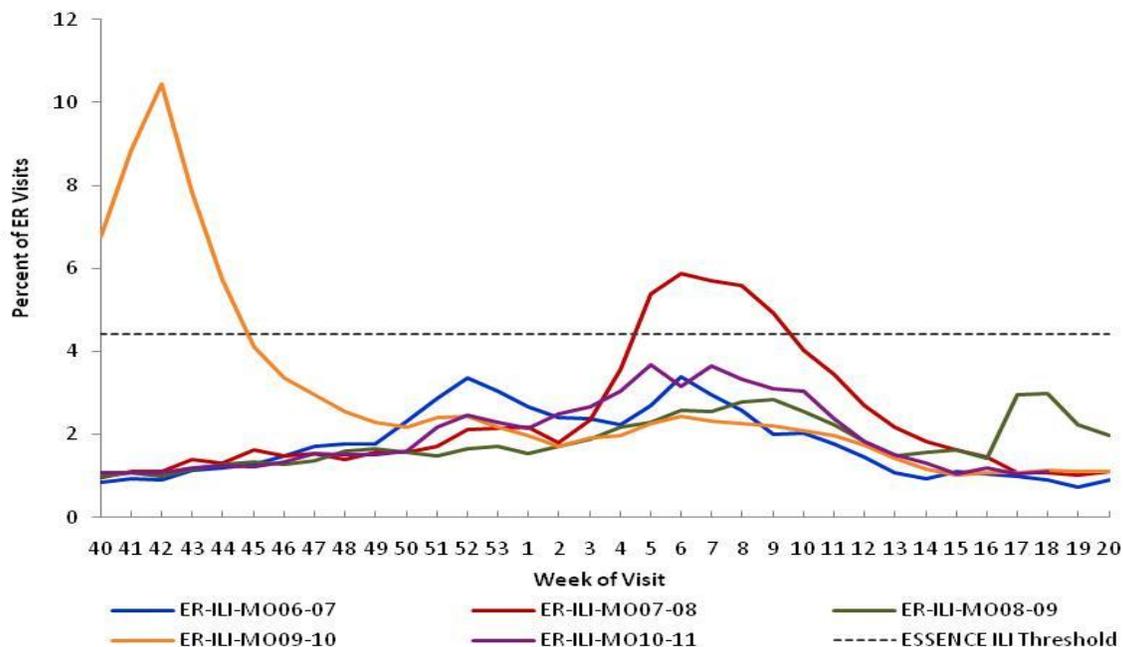
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending May 7, 2011 (Week 18)



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

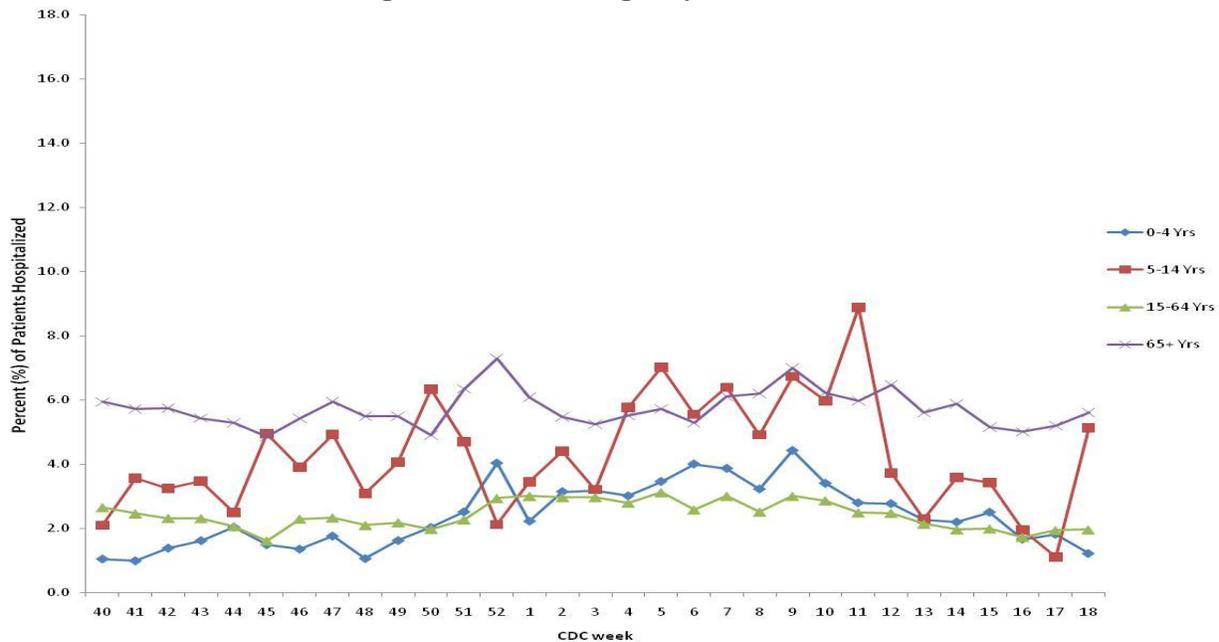
The proportion of patient visits for influenza-like illness has decreased from 0.80% for week 17 to 0.71% for the week ending May 7, 2011 (week 18), as reported by ILINet in Missouri. This is below Missouri’s baseline of 2.47%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending May 7, 2011 (Week 18)

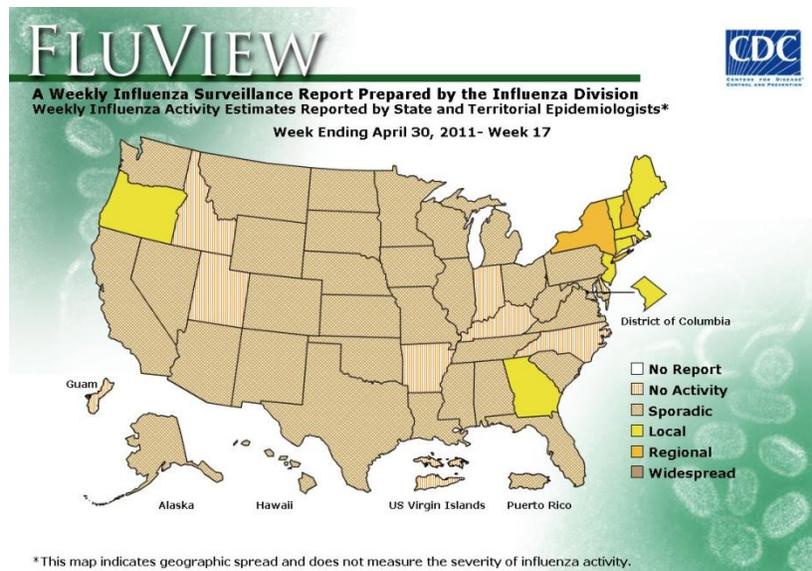


*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

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 7, 2011 (Week 18)



The 5-14 age group has increased from 1.11% in Week 17 to 5.13% in Week 18. The 15-64 age group increased from 1.95% to 1.97%, and the 65+ age group has increased from 5.21% to 5.61%. The 0-4 age group has decreased in Week 18.



For the week ending May 7, 2011 (Week 18), 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 April 30, 2011 (Week 17), Flu View reported no states with widespread influenza activity; two states reported regional influenza activity; seven states reported local influenza activity; thirty three states reported sporadic influenza activity and eight 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**.

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).