



Missouri Weekly Influenza Report 2010-2011 Season¹

Missouri is reporting “Widespread Activity” to the CDC for Week 10².

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 March 12, 2011 (Week 10)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 10	321	0	2	2	502	33	860

A total of seven specimens were received by the State Public Health Laboratory for viral testing during week 10. Two were positive for 2009 Influenza A (H1N1), two were positive for Influenza A (H3), and three were positive for Influenza B.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending March 12, 2011 (Week 10)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	8,866	8,588	3.2%
Influenza B	4,261	1,887	125.8%
Influenza Unknown Or Untyped	585	2,523	(76.8%)
Total	13,712	13,660	0.4%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending March 12, 2011 (Week 10)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,225	1,609	(23.9%)
02-04	1,928	2,379	(19.0%)
05-14	4,333	5,431	(20.2%)
15-24	2,058	1,470	39.9%
25-49	2,792	1,726	61.7%
50-64	777	696	11.6%
65+	599	316	89.6%
Total	13,712	13,660	0.4%

Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending March 12, 2011 (Week 10)

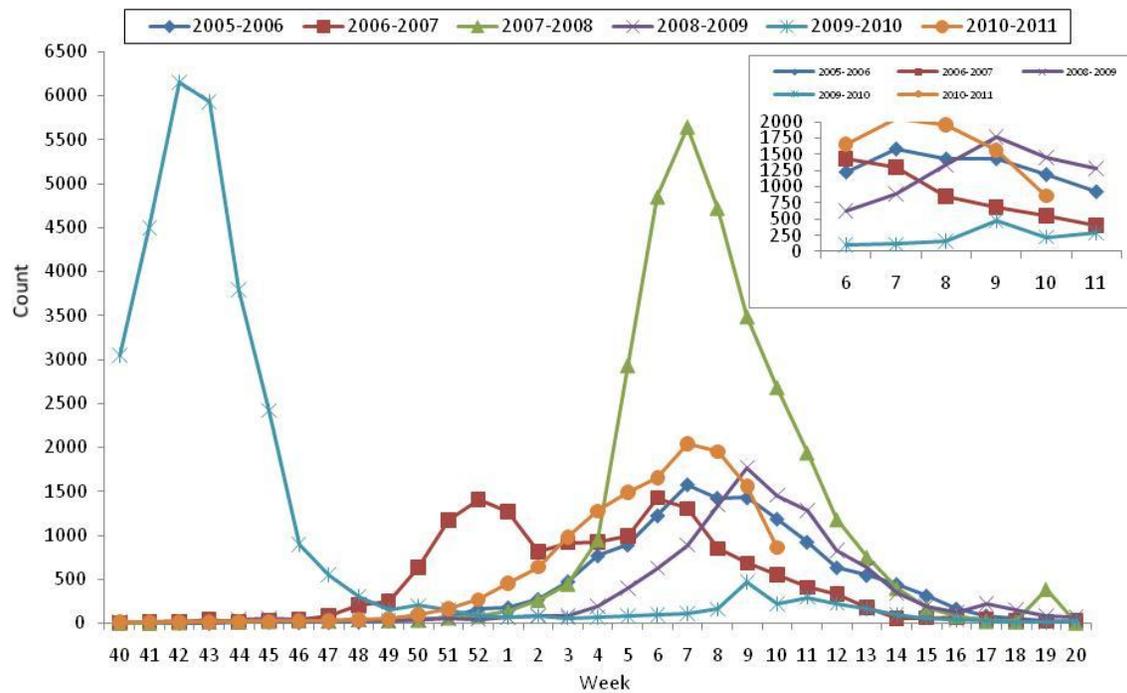
District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	1,239	1,767	(29.9%)
EA	3,920	3,175	23.5%
NW	3,191	3,744	(14.8%)
SE	2,434	1,728	40.9%
SW	2,928	3,246	(9.8%)
Total	13,712	13,660	0.4%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending March 5, 2011 (Week 9)

Week 9	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 9 Last Season*	5 Year Weekly Median
136	1,946	1,385	46	100

*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 March 12, 2011 (Week 10)



The number of reported influenza cases for week 10 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 10	0	0	0	0
Season-to-date (Week 40-Week 10)	5	13	0	58

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending March 12, 2011 (Week 10)**

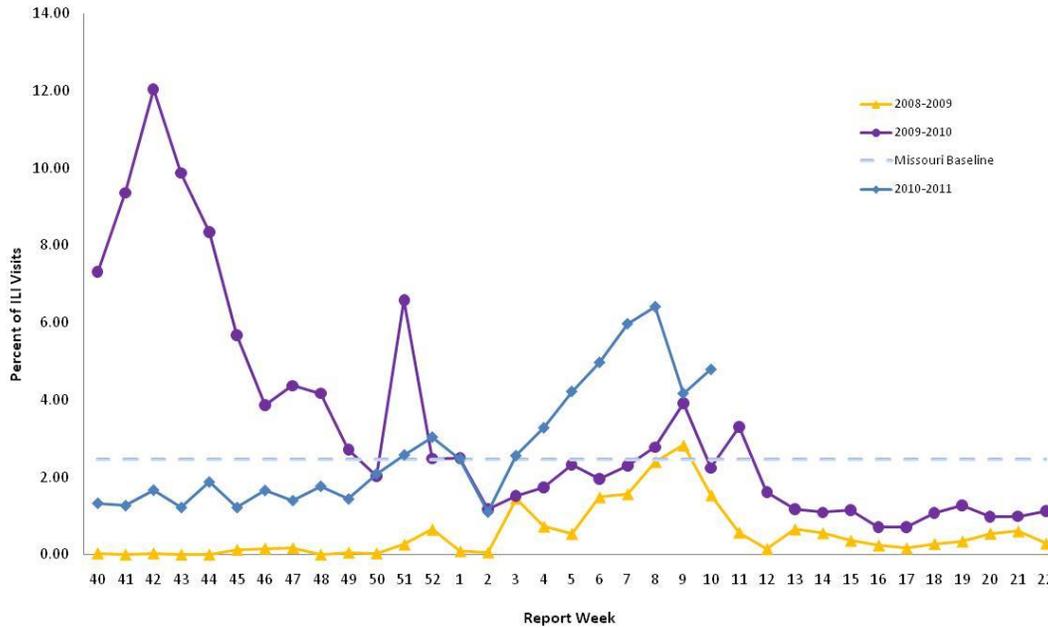
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone	0	6	0	0	0	6	660	0.91
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	77	0
Clay	0	1	1	0	0	2	173	1.16
Cole	28	23	20	9	13	93	762	12.2
Dallas								
Franklin								
Greene								
Howell								
Iron	0	4	0	2	0	6	83	7.23
Jackson	11	17	0	0	0	28	235	11.91
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	92	0
McDonald	1	3	2	0	0	6	440	1.36
Moniteau	0	9	2	1	0	12	128	9.38
Nodaway								
Pettis	0	3	1	0	0	4	390	1.03
Phelps								
Putnam	0	3	0	0	0	3	258	1.16
Reynolds								
Saline								
St. Clair	0	0	0	0	0	0	42	0
St. Louis County								
State Total	40	69	26	12	13	160	3,340	4.79

*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%.

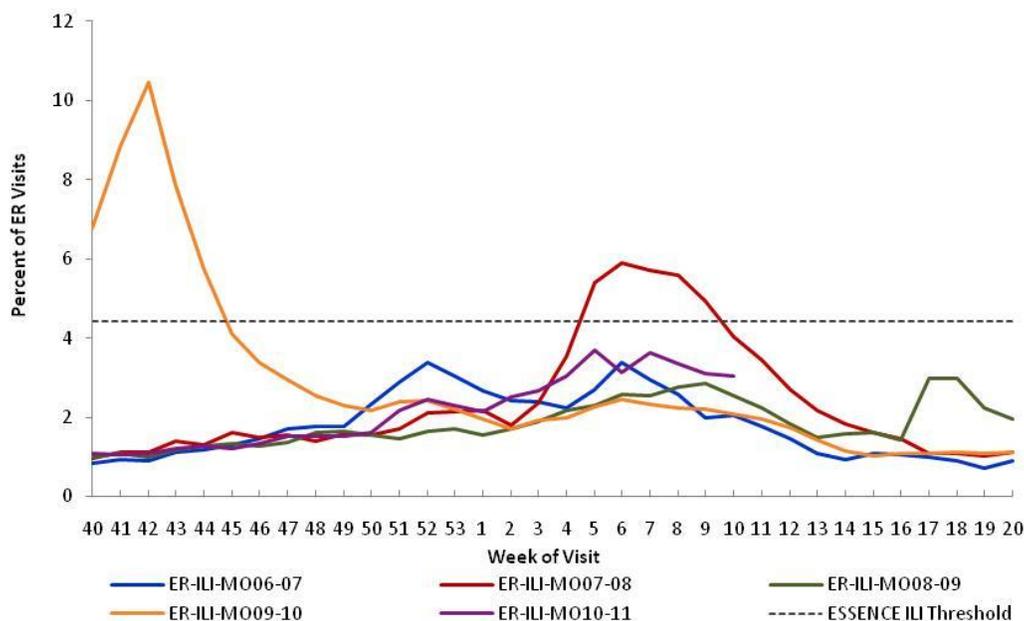
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending March 12, 2011 (Week 10)



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

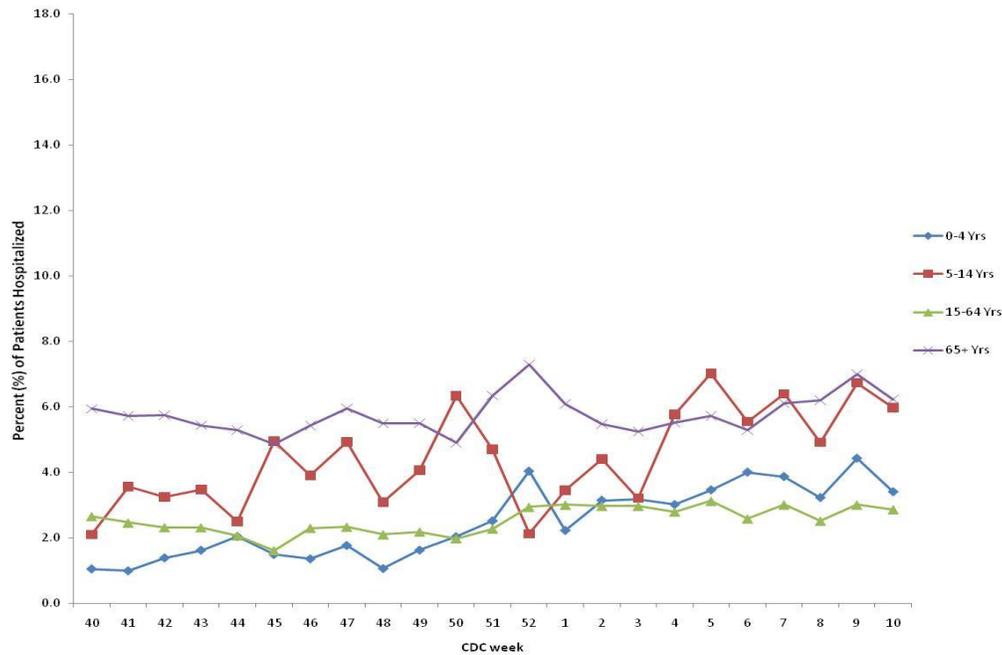
The proportion of patient visits for influenza-like illness has increased from 4.17% for week 9 to 4.79% for the week ending March 12, 2011 (week 10), as reported by ILINet in Missouri.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending March 12, 2011 (Week 10)

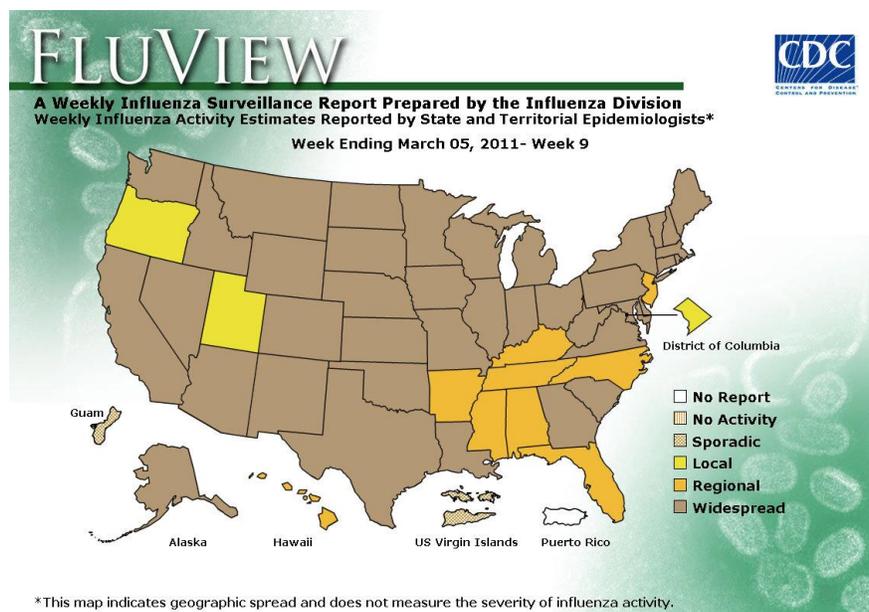


*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending March 12, 2011 (Week 10)



All age groups show a decrease for week 10.



For the week ending March 12, 2011 (Week 10), 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 March 5, 2011 (Week 9), Flu View reported 39 states with widespread influenza activity; nine states reported regional influenza activity; two states reported local influenza activity; and no 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**.

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).