



Missouri Weekly Influenza Report 2010-2011 Season¹

Missouri is reporting “Widespread Activity” to the CDC for Week 9².

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 5, 2011 (Week 9)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 9	490	0	3	0	495	39	1,027

A total of twelve specimens were received by the State Public Health Laboratory for viral testing during week 9. Three were positive for 2009 Influenza A (H1N1), one was positive for Influenza A, four 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 March 5, 2011 (Week 9)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	8,209	8,277	(0.8%)
Influenza B	3,448	1,642	110.0%
Influenza Unknown Or Untyped	509	2,492	(79.6%)
Total	12,166	13,107	(7.2%)

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending March 5, 2011 (Week 9)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,103	1,559	(29.2%)
02-04	1,695	2,309	(26.6%)
05-14	3,762	4,802	(21.7%)
15-24	1,863	1,208	54.1%
25-49	2,524	1,553	62.5%
50-64	691	598	15.6%
65+	528	311	69.8%
Total	12,166	13,107	(7.2%)

Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending March 5, 2011 (Week 9)

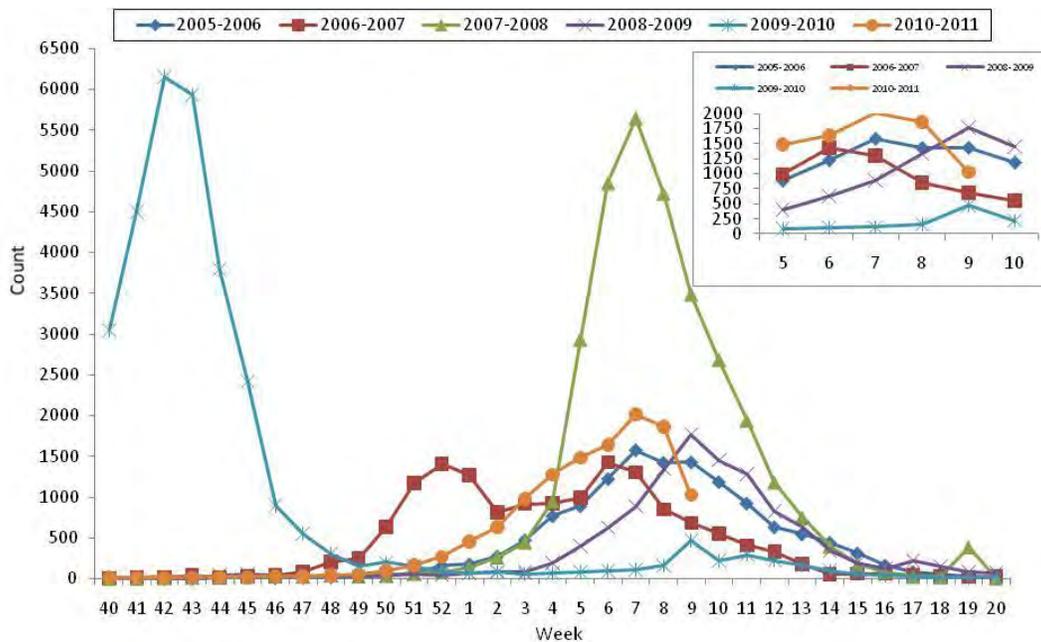
District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	1,143	1,697	(32.6%)
EA	3,537	3,049	16.0%
NW	2,661	3,638	(26.9%)
SE	2,300	1,687	36.3%
SW	2,525	3,036	(16.8%)
Total	12,166	13,107	(7.2%)

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending February 26, 2011 (Week 8)

Week 9	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 8 Last Season*	5 Year Weekly Median
95	1,810	1,339	40	70

*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 5, 2011 (Week 9)



The number of reported influenza cases for week 9 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 9	2	0	0	0
Season-to-date (Week 40-Week 9)	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 5, 2011 (Week 9)**

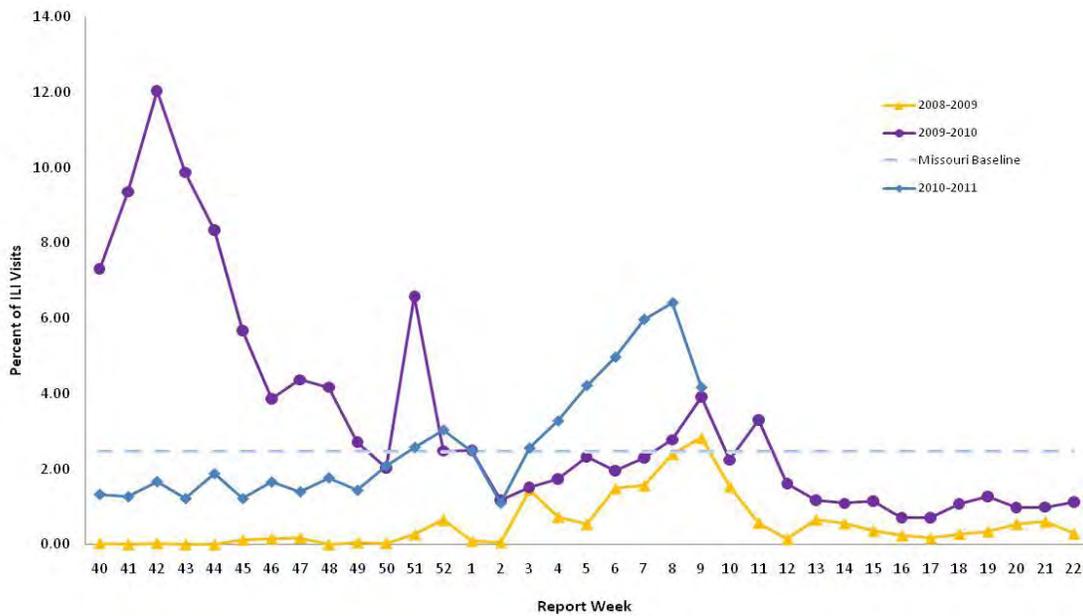
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone	0	8	0	0	0	8	745	1.07
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	92	0
Clay	0	1	0	0	0	1	164	0.61
Cole	28	23	12	3	9	75	703	10.67
Dallas	0	0	0	0	0	0	69	0
Franklin								
Greene								
Howell								
Iron	2	7	2	1	1	13	53	24.53
Jackson	35	59	19	8	4	125	2,915	4.29
Kansas City								
Knox	1	0	1	0	0	2	115	1.74
Lawrence								
Marion	0	0	0	0	0	0	97	0
McDonald	3	4	0	0	2	9	300	3.00
Moniteau	0	4	3	0	0	7	166	4.22
Nodaway								
Pettis	0	3	2	1	0	6	382	1.57
Phelps	0	0	0	0	0	0	45	0
Putnam	3	5	3	0	0	11	238	4.62
Reynolds	0	1	0	0	0	1	47	2.13
Saline								
St. Clair	0	0	0	0	0	0	51	0
St. Louis County								
State Total	72	115	42	13	16	258	6182	4.17

*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%.

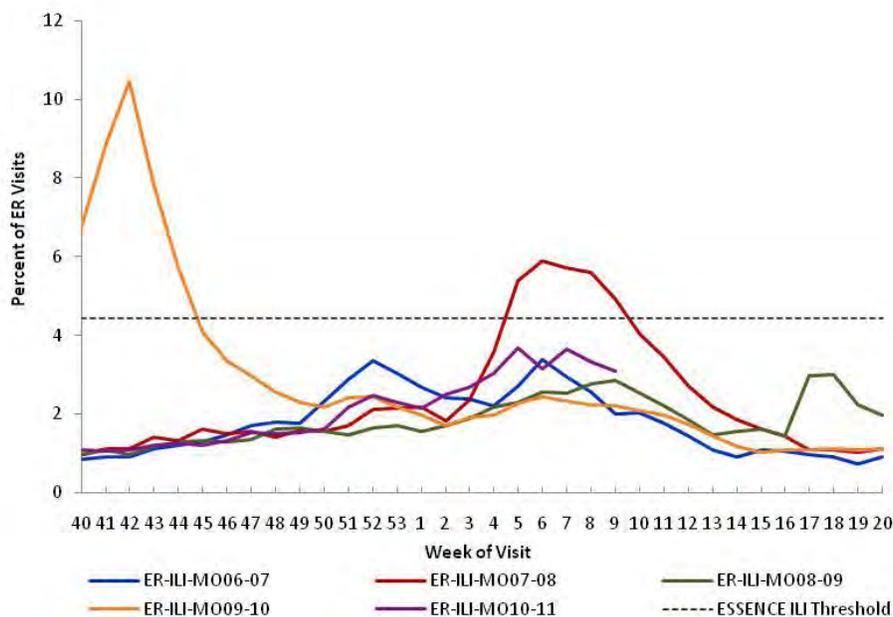
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending March 5, 2011 (Week 9)



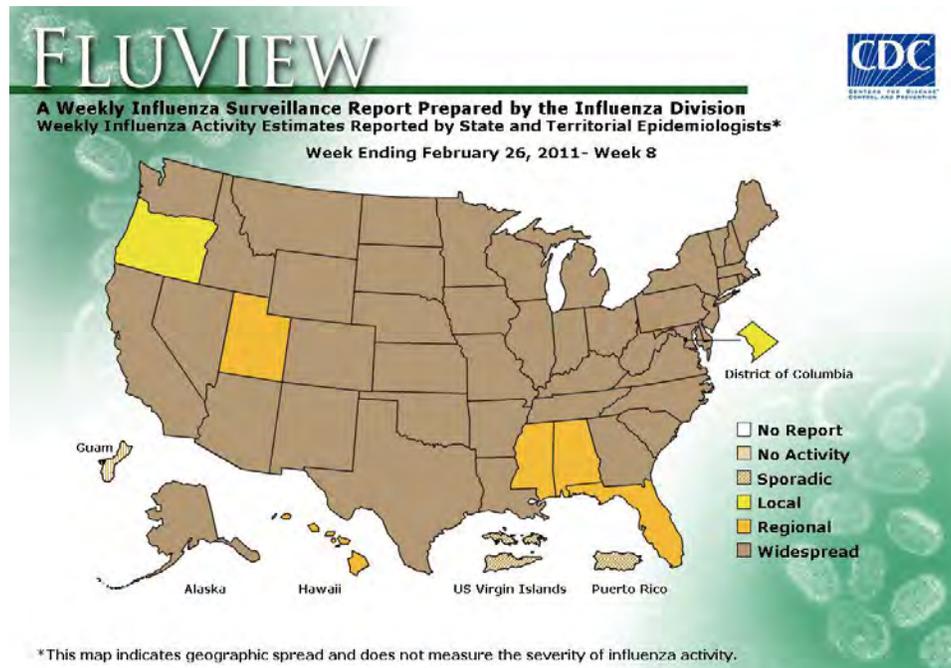
ILINet baseline refers to the mean plus two standard deviations of the values during previous influenza seasons (week 40-20).

The proportion of patient visits for influenza-like illness dropped from 6.41% for week 8 to 4.17% for the week ending March 5, 2011 (week 9), 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 5, 2011 (Week 9)



*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.



For the week ending March 5, 2011 (Week 9), 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 26, 2011 (Week 8), Flu View reported 44 states with widespread influenza activity; five states reported regional influenza activity; one state 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).