



Missouri Weekly Influenza Report 2010-2011 Season¹

Missouri is reporting “Local Activity” to the CDC for Week 14².

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 April 9, 2011 (Week 14)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 14	82	0	0	0	74	0	156

Two specimens were received by the State Public Health Laboratory for viral testing during week 14; both were negative for influenza.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending April 9, 2011 (Week 14)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	10,337	9,017	14.6%
Influenza B	6,067	2,168	179.8%
Influenza Unknown Or Untyped	793	2,808	(71.8%)
Total	17,197	14,637	17.5%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending April 9, 2011 (Week 14)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,536	1,682	(8.7%)
02-04	2,418	2,476	(2.3%)
05-14	5,461	6,394	(14.6%)
15-24	2,593	2,034	27.5%
25-49	3,408	2,133	59.8%
50-64	988	903	9.4%
65+	793	346	129.2%
Total	17,197	14,637	17.5%

Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending April 9, 2011 (Week 14)

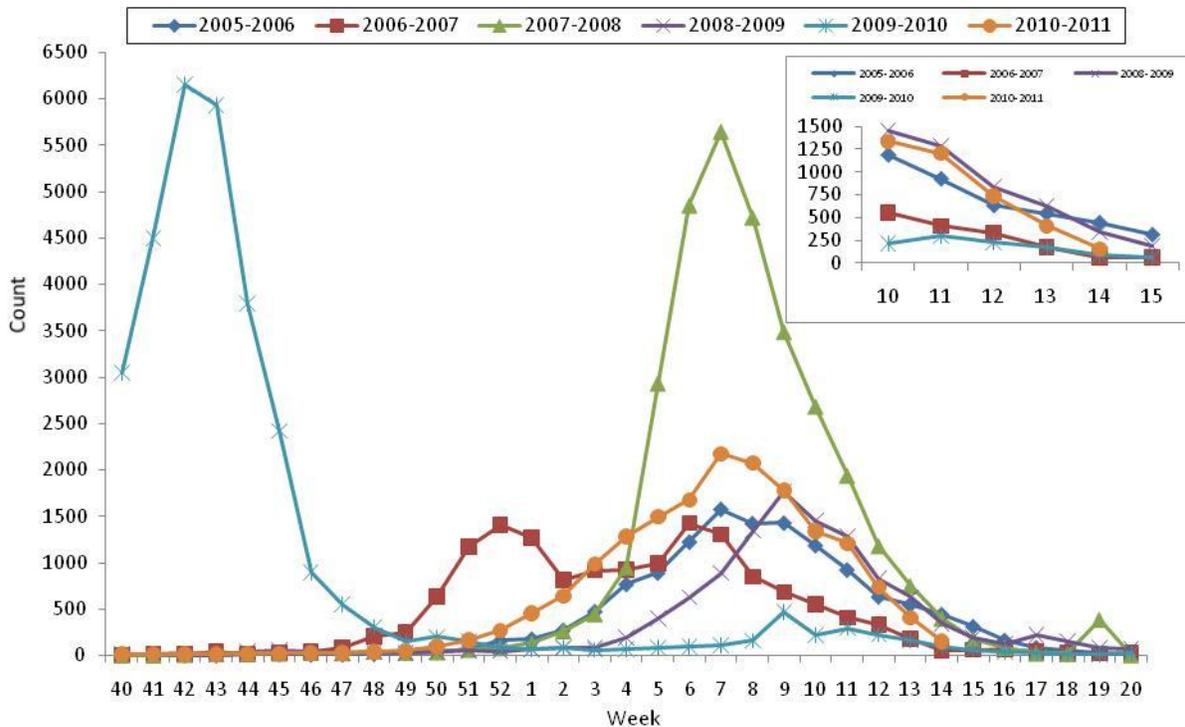
District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	1,732	1,852	(6.5%)
EA	4,739	4,072	16.4%
NW	4,356	3,987	9.3%
SE	2,717	1,785	52.2%
SW	3,653	3,531	3.5%
Total	17,197	14,637	17.5%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending April 2, 2011 (Week 13)

Week 13	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 13 Last Season*	5 Year Weekly Median
149	2,441	1,683	56	109

*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 April 9, 2011 (Week 14)



The number of reported influenza cases for week 14 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 14	0	0	0	0
Season-to-date (Week 40-Week 14)	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 April 9, 2011 (Week 14)**

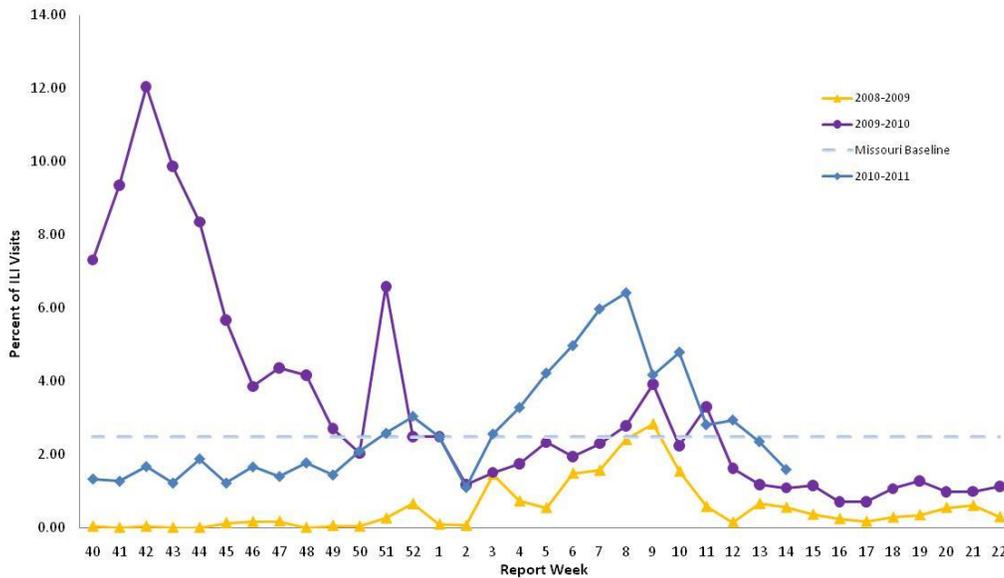
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain	0	0	0	0	0	0	203	0
Boone	0	0	0	0	0	0	664	0
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	63	0
Clay	0	0	0	0	0	0	107	0
Cole								
Greene								
Howell								
Iron	0	0	1	0	0	1	42	2.38
Jackson	19	22	12	2	1	56	2819	1.99
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	0	0
McDonald	0	0	0	0	0	0	364	0
Moniteau	0	1	0	0	0	1	136	0.74
Nodaway								
Pettis								
Phelps								
Putnam	5	4	2	2	2	15	160	9.38
Reynolds								
Saline								
St. Clair	0	0	0	0	0	0	44	0
State Total	24	27	15	4	3	73	4602	1.59

*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%.

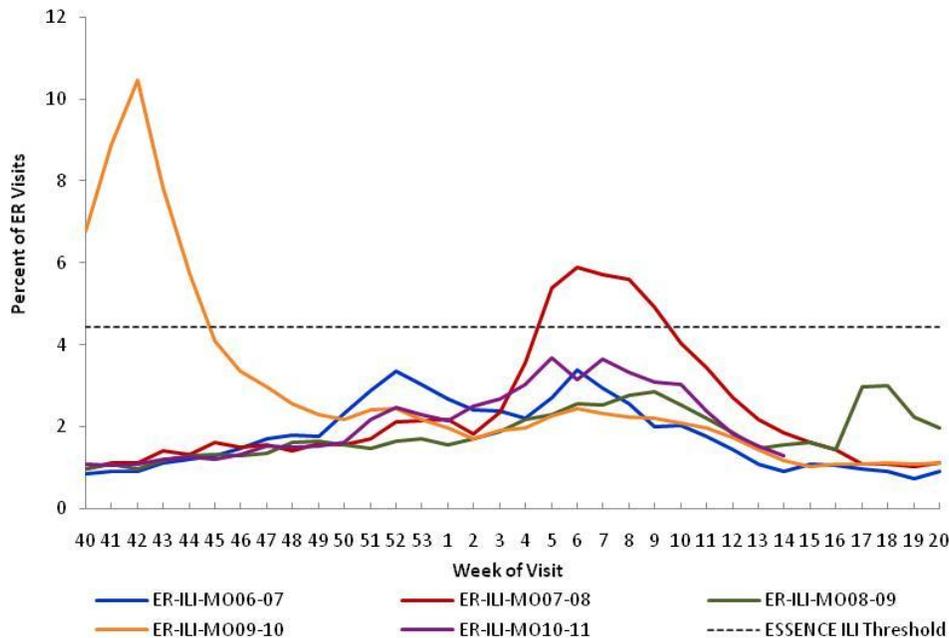
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending April 9, 2011 (Week 14)



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

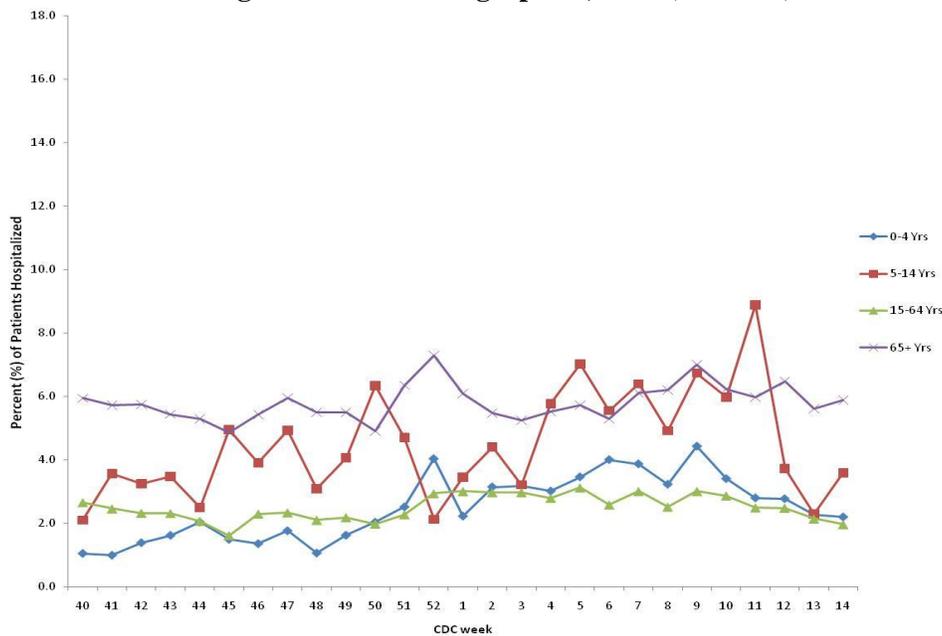
The proportion of patient visits for influenza-like illness has decreased from 2.35% for week 13 to 1.59% for the week ending April 9, 2011 (week 14), as reported by ILINet in Missouri. This is below Missouri’s baseline of 2.47%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending April 9, 2011 (Week 14)

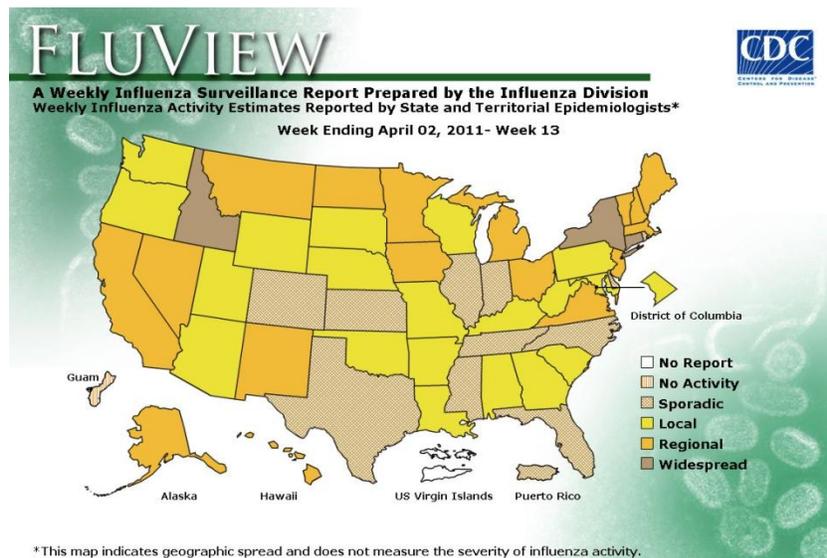


*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending April 9, 2011 (Week 14)



The 65 and older age group has increased to 5.88% in Week 14. The 5-14 age group has also increased to 3.59% in Week 14. All other age groups have decreased in Week 14.



For the week ending April 9, 2011 (Week 14), Missouri reported **Local** activity to the CDC. Local activity is defined as increased ILI in one region; ILI activity in regions is not increased and recent (within the past three weeks) lab evidence of influenza in region with increased ILI. Or two or more institutional outbreaks (ILI or lab confirmed) in one region; ILI activity in other regions is not increased and recent (within the past three weeks) lab evidence of influenza in region with outbreaks; virus activity is no greater than sporadic in other regions.

For the week ending April 2, 2011 (Week 13), Flu View reported three states with widespread influenza activity; seventeen states reported regional influenza activity; nineteen states reported local influenza activity; and eleven 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).