



Missouri Weekly Influenza Report 2010-2011 Season¹

Missouri is reporting “Local Activity” to the CDC for Week 13².

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 2, 2011 (Week 13)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 13	133	0	0	0	194	1	328

Two specimens were received by the State Public Health Laboratory for viral testing during week 13; were negative for influenza.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending April 2, 2011 (Week 13)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	10,190	8,981	13.5%
Influenza B	5,855	2,155	171.7%
Influenza Unknown Or Untyped	765	2,680	(71.5%)
Total	16,810	14,580	15.3%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending April 2, 2011 (Week 13)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,506	1,675	(10.1%)
02-04	2,363	2,470	(4.3%)
05-14	5,306	6,307	(15.9%)
15-24	2,547	1,964	29.7%
25-49	3,344	2,062	62.2%
50-64	970	868	11.8%
65+	774	341	127.0%
Total	16,810	14,580	15.3%

Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending April 2, 2011 (Week 13)

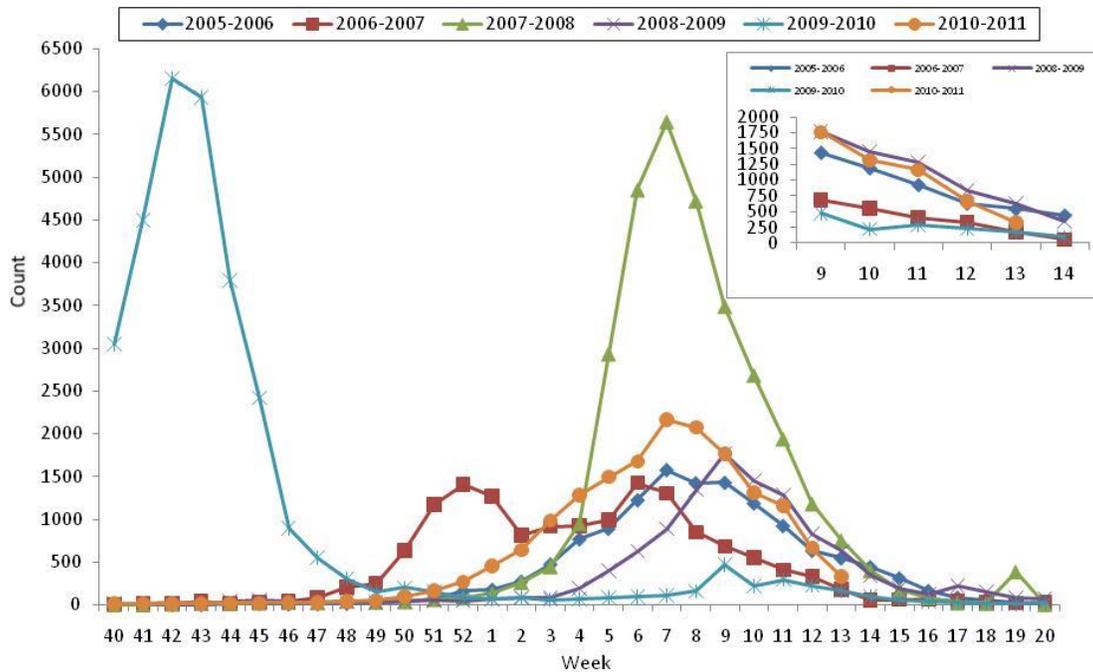
District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	1,646	1,848	(10.9%)
EA	4,629	3,833	20.8%
NW	4,242	3,964	7.0%
SE	2,703	1,784	51.5%
SW	3,590	3,512	2.2%
Total	16,810	14,580	15.3%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending March 26, 2011 (Week 12)

Week 12	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 12 Last Season*	5 Year Weekly Median
120	2,292	1,627	81	135

*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 2, 2011 (Week 13)



The number of reported influenza cases for week 13 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 13	0	0	0	0
Season-to-date (Week 40-Week 13)	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 2, 2011 (Week 13)**

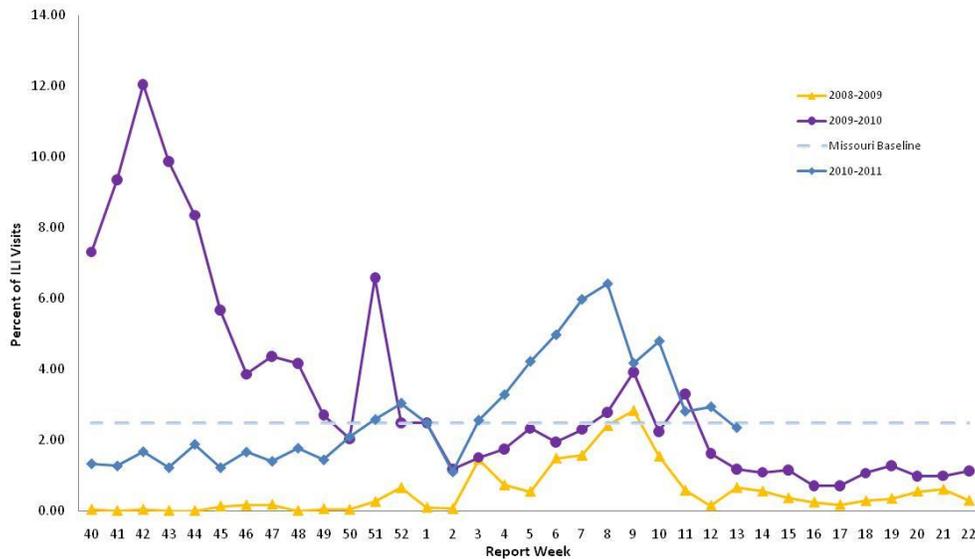
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone	0	0	0	0	0	0	159	0
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	81	0
Clay	0	0	0	0	0	0	147	0
Cole	13	15	6	4	5	43	661	6.51
Greene	3	0	0	0	0	3	261	1.15
Howell								
Iron	0	2	1	0	0	3	54	5.56
Jackson	26	18	19	2	0	65	2814	2.31
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	94	0
McDonald	0	2	0	0	1	3	412	0.24
Moniteau								
Nodaway								
Pettis								
Phelps	0	0	0	0	0	0	77	0
Putnam	0	0	0	0	0	0	182	0
Reynolds								
Saline								
St. Clair	0	0	0	0	0	0	42	0
State Total	42	37	26	6	6	117	4984	2.35

*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%.

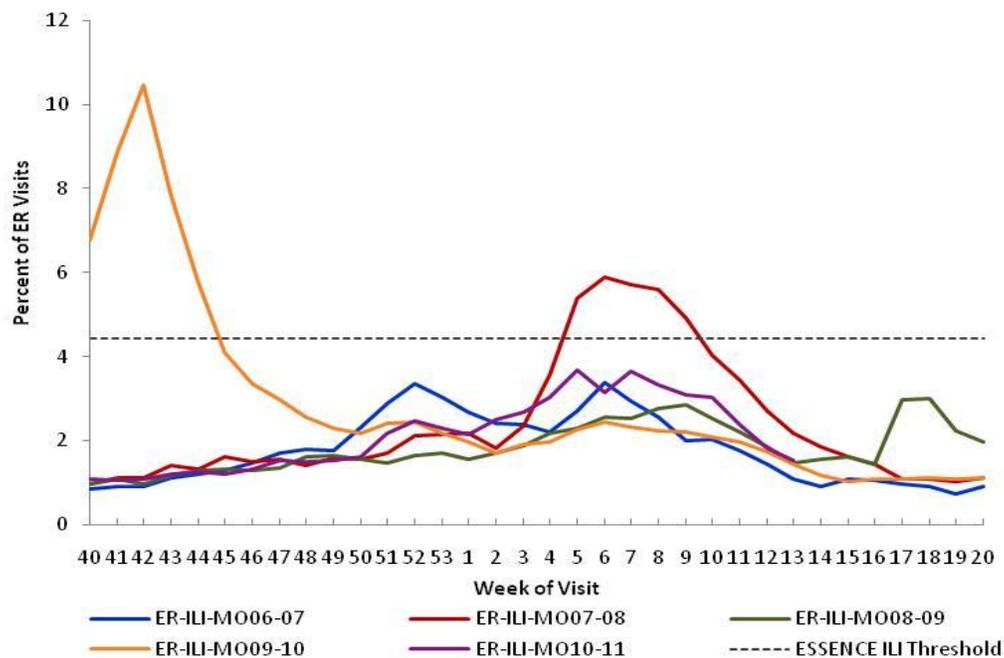
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending April 2, 2011 (Week 13)



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

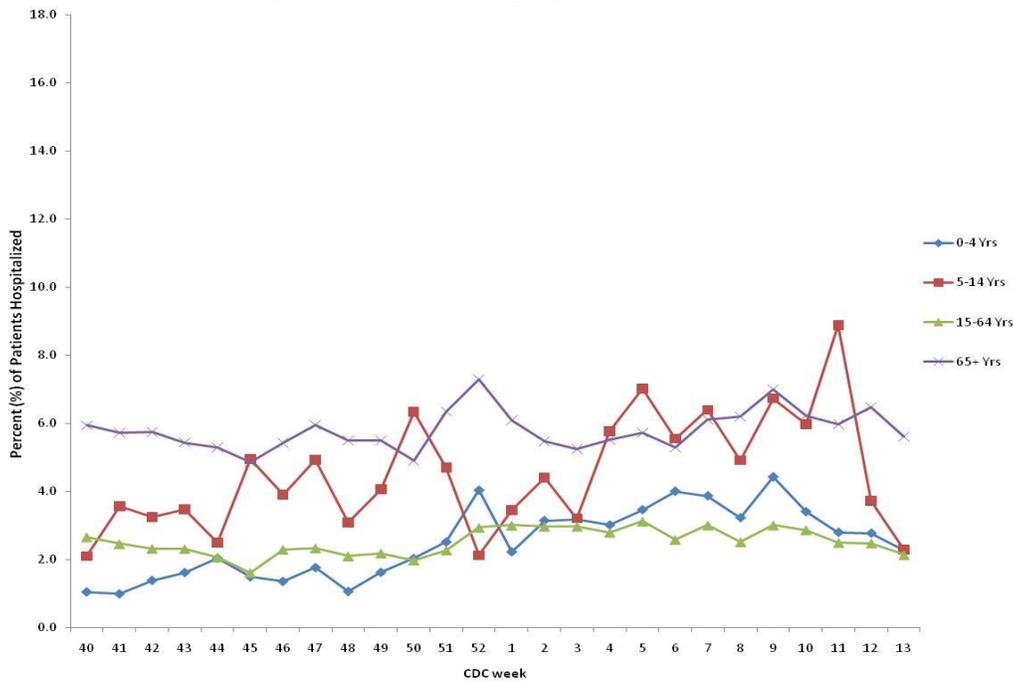
The proportion of patient visits for influenza-like illness has decreased from 2.94% for week 12 to 2.35% for the week ending April 2, 2011 (week 13), as reported by ILINet in Missouri. This is below Missouri’s baseline of 2.47%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending April 2, 2011 (Week 13)

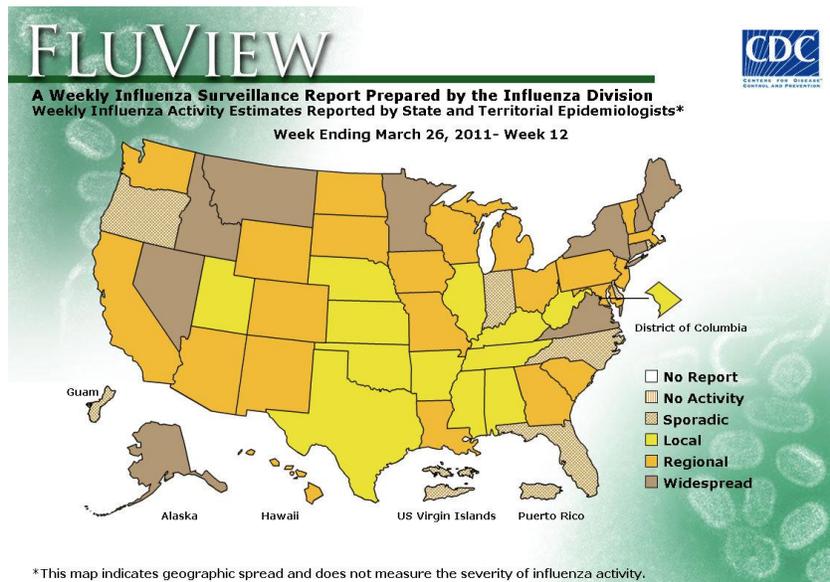


*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

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 2, 2011 (Week 13)



All age groups have shown a decrease in Week 13.



For the week ending April 2, 2011 (Week 13), Missouri reported **Local** activity to the CDC. Local activity is defined as increased ILI in 1 region; ILI activity in regions is not increased and recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI. Or two or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased. Recent (within the past 3 weeks) lab evidence of influenza in region with outbreaks; virus activity is no greater than sporadic in other regions.

For the week ending March 26, 2011 (Week 12), Flu View reported 10 states with widespread influenza activity; twenty-two states reported regional influenza activity; twelve states reported local influenza activity; and six 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).