



Missouri Weekly Influenza Report 2011-2012 Season¹

Missouri is reporting “Local” 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 7, 2012 (Week 14)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 14	201	0	0	3	13	3	220

A total of six specimens were received by the State Public Health Laboratory for viral testing during week 14. Three were positive for Influenza A (H3) and three were negative for influenza.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending April 7, 2012 (Week 14)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	18,449	10,404	77.3%
Influenza B	920	3,531	(73.9%)
Influenza Unknown Or Untyped	741	2,554	(71.0%)
Total	20,110	17,441	15.3%

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending April 7, 2012 (Week 14)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,832	1,682	8.9%
02-04	3,408	2,476	37.6%
05-14	6,895	6,394	7.8%
15-24	1,666	2,627	(36.6%)
25-49	3,412	3,452	(1.2%)
50-64	1,322	1,001	32.1%
65+	1,575	346	355.2%
Total	20,110	17,441	15.3%

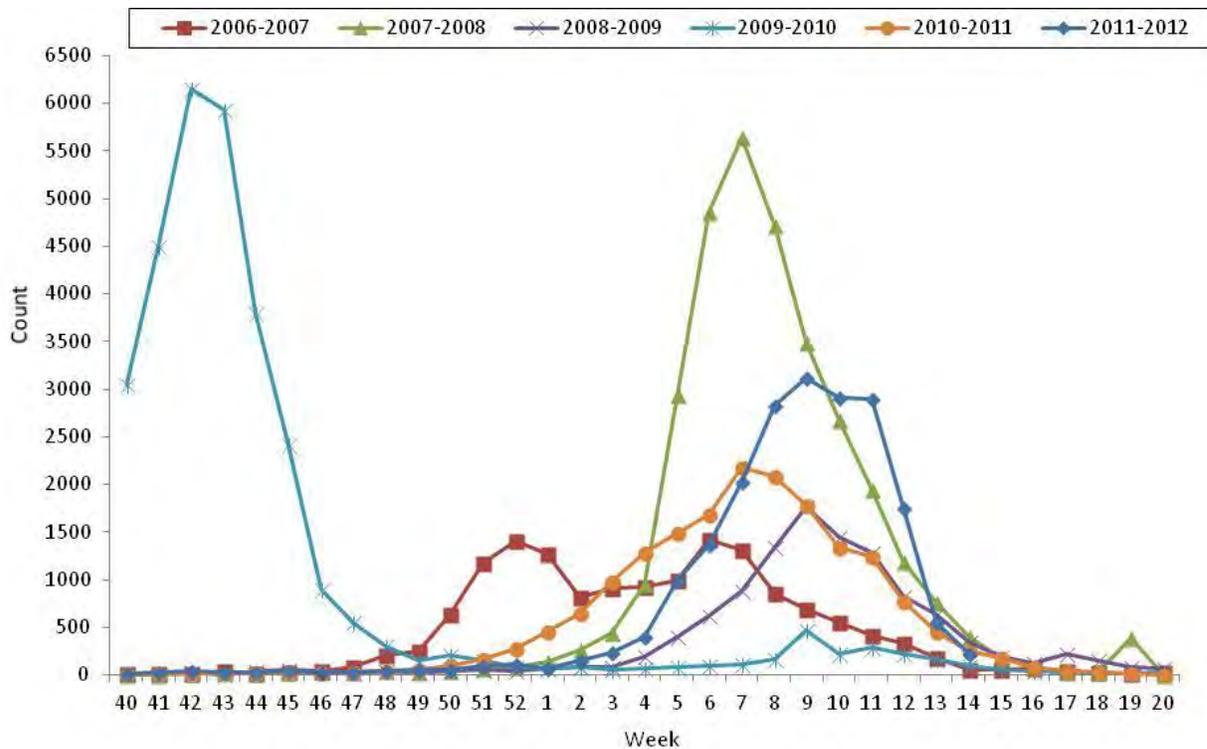
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending April 7, 2012 (Week 14)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	4,018	1,852	117.0%
EA	5,990	4,840	23.8%
NW	6,380	4,412	44.6%
SE	1,320	2,101	(37.2%)
SW	2,402	3,689	(34.9%)
Total	20,110	17,441	15.3%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending March 31, 2012 (Week 13)

Week 13	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 13 Last Season	5 Year Weekly Median
150	2,558	2,441	149	109

Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending April 7, 2012 (Week 14)



The number of reported influenza cases for week 14 of the 2011-2012 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending April 7, 2012 (Week 14)

	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
Week 14	0	0	0	0
Season-to-Date (Week 40-Week 14)	12	5	14	0

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending April 7, 2012 (Week 14)**

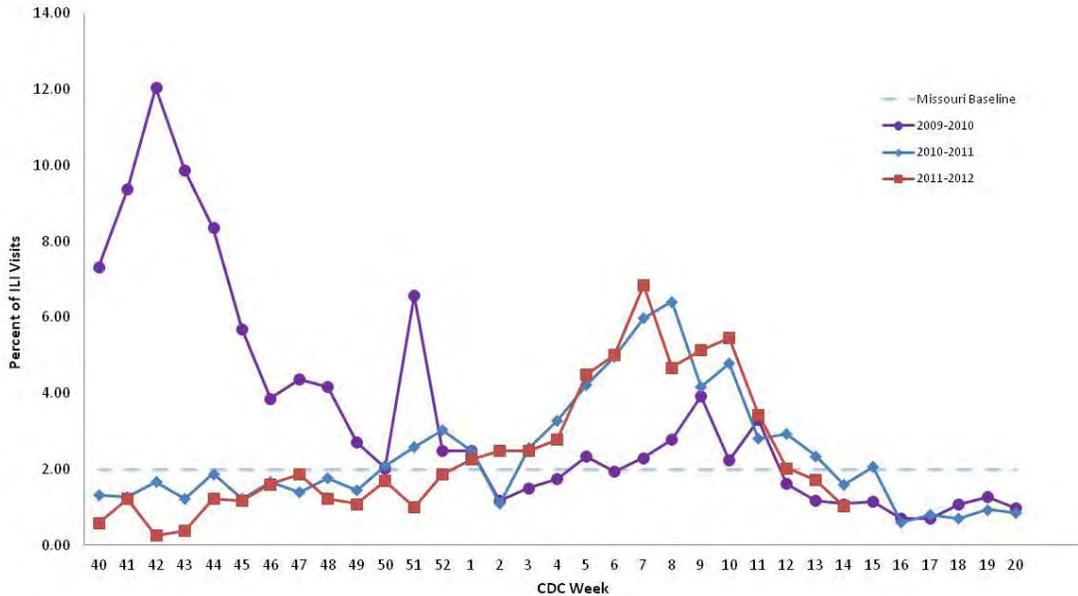
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	61	0
Clay								
Cole	3	4	1	1	0	9	607	1.48
Gasconade								
Greene								
Howell								
Iron								
Jackson	9	15	7	1	1	33	3049	1.08
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	85	0
McDonald	0	1	0	0	0	1	266	0.38
Moniteau	0	0	0	0	0	0	130	0
Nodaway								
Pettis								
Phelps	0	5	0	0	0	5	286	1.75
Putnam	0	0	0	0	0	0	165	0
Reynolds	0	0	0	0	0	0	45	0
Saline								
St. Clair	0	0	0	0	0	0	27	0
State Total	12	25	8	2	1	48	4721	1.02

*Only counties with sentinel provider(s) are listed above.

**To learn about ILINet, view the following website: <http://www.cdc.gov/flu/weekly/fluactivitysurv.htm>

***This is **below** the national baseline of 2.4%.

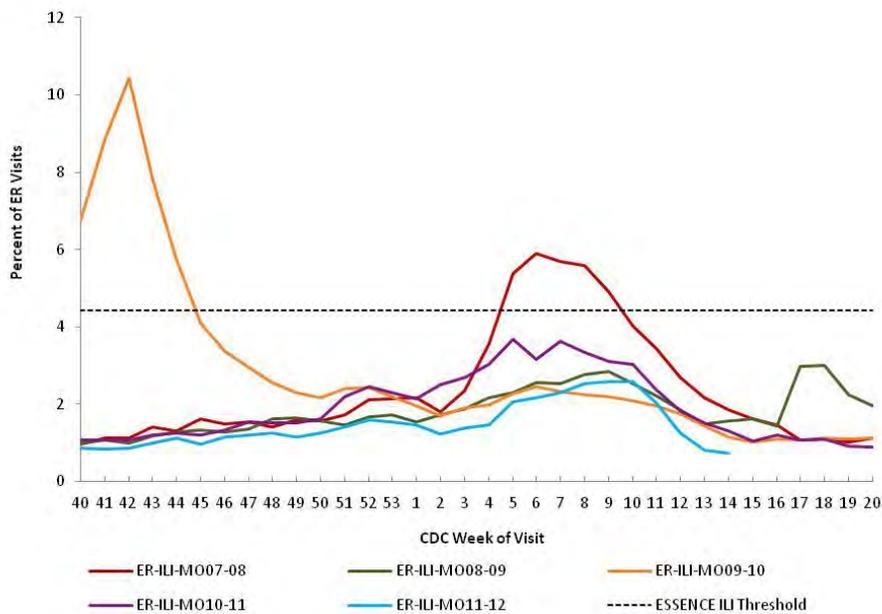
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending April 7, 2012 (Week 14)



ILINet baseline refers to the mean plus two standard deviations of the values during previous influenza seasons (week 40-20, 2008-2009)

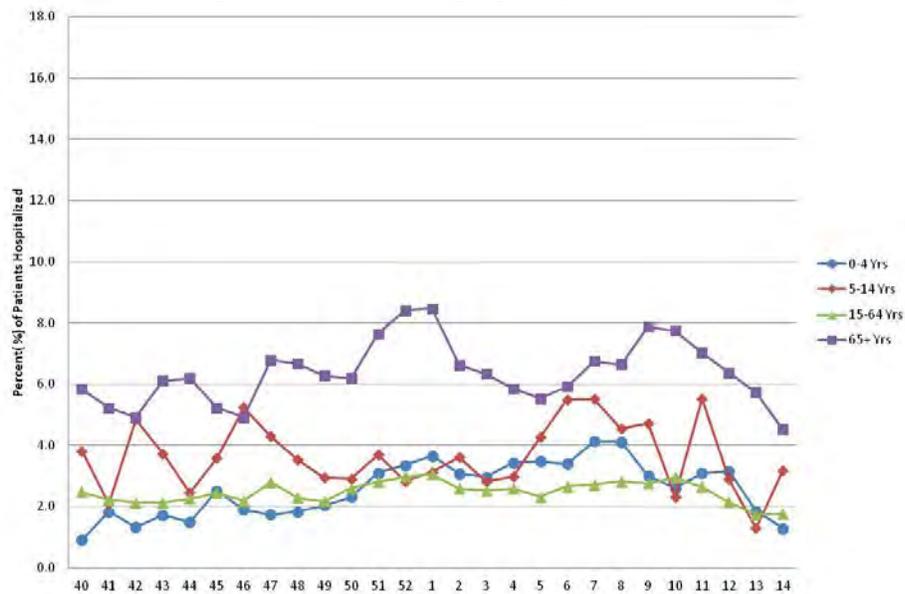
The proportion of patient visits for influenza-like illness is 1.02% for week ending April 7, 2012 (Week 14). This is below Missouri’s baseline of 1.98%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending April 7, 2012 (Week 14)



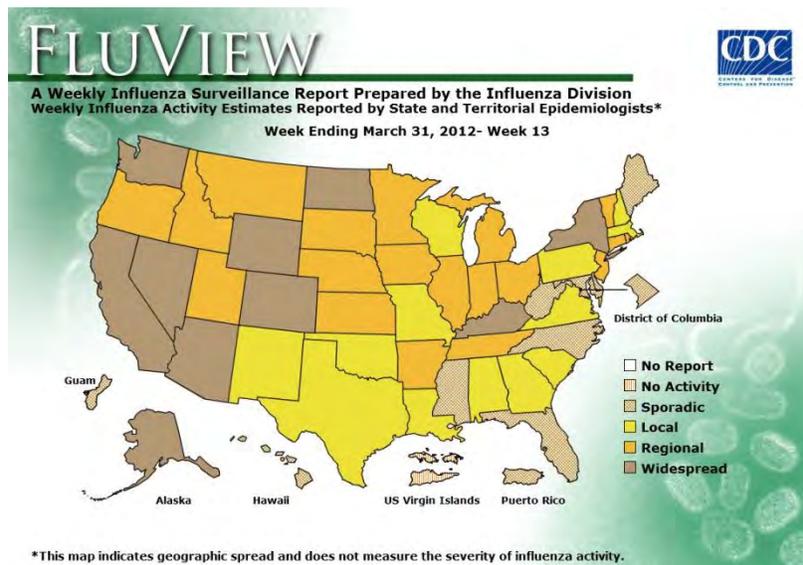
*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

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 7, 2012 (Week 14)



*Please use caution when comparing current 2011-2012 influenza season inpatient hospitalization numbers to previous years due to major revisions to the inpatient database environment.

The 5-14 age group has increased to 3.18% and the 15-64 year age group has slightly increased to 1.77% in Week 14. All other age groups have decreased in Week 14.



For the week ending April 7, 2012 (Week 14), Missouri reported **Local** activity to the CDC. Local activity is defined as Increased ILI within a single region **AND** recent (within the past 3 weeks) laboratory evidence of influenza in that region. ILI activity in other regions is not increased. **OR** Two or more institutional outbreaks (ILI or lab confirmed) within a single region **AND** recent (within the past 3 weeks) lab confirmed influenza in that region. Other regions do not have increased ILI and virus activity is no greater than sporadic in those regions.

For the week ending March 31, 2012 (Week 13), Flu View reported 10 states with widespread influenza activity, 19 states reported regional influenza activity, 13 states reported local influenza activity, and eight 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).