



Missouri Weekly Influenza Report 2011-2012 Season¹

Missouri is reporting “Local” to the CDC for Week 15².

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 14, 2012 (Week 15)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 15	33	0	0	0	10	0	43

No specimens were received by the State Public Health Laboratory for viral testing during week 15.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending April 14, 2012 (Week 15)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	18,560	10,475	77.2%
Influenza B	944	3,615	(73.9%)
Influenza Unknown Or Untyped	742	2,557	(71.0%)
Total	20,246	17,616	14.9%

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending April 14, 2012 (Week 15)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,843	1,687	9.2%
02-04	3,429	2,489	37.8%
05-14	6,939	6,418	8.1%
15-24	1,674	2,645	(36.7%)
25-49	3,438	3,482	(1.3%)
50-64	1,330	1,013	31.3%
65+	1,593	348	357.8%
Total	20,246	17,616	14.9%

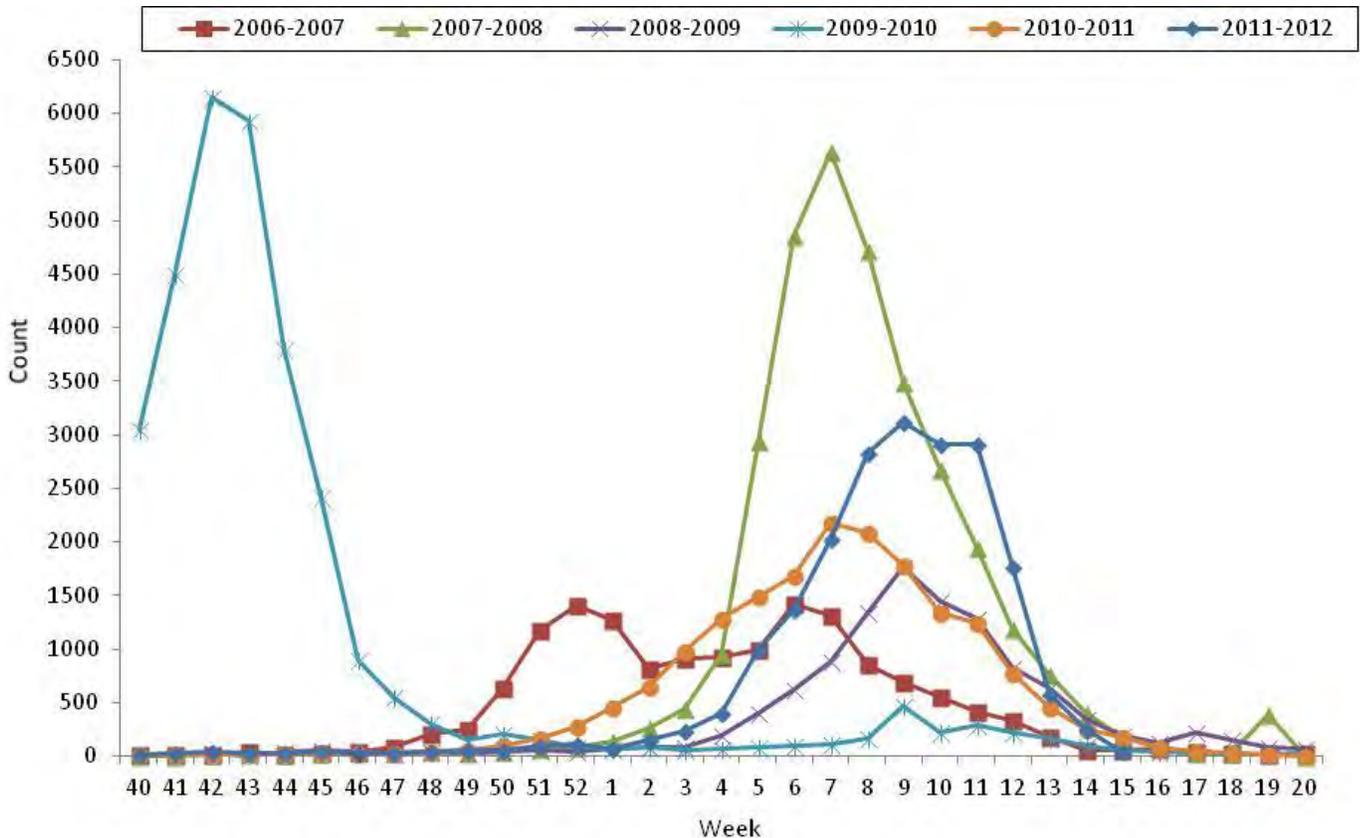
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending April 14, 2012 (Week 15)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	4,041	1,860	117.3%
EA	6,010	4,888	23.0%
NW	6,402	4,455	43.7%
SE	1,373	2,108	(34.9%)
SW	2,420	3,732	(35.2%)
Total	20,246	17,616	14.9%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending April 7, 2012 (Week 14)

Week 14	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 14 Last Season	5 Year Weekly Median
109	2,667	2,531	90	79

Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending April 14, 2012 (Week 15)



The number of reported influenza cases for week 15 of the 2011-2012 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending April 14, 2012 (Week 15)

	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
Week 15	1	0	0	0
Season-to-Date (Week 40-Week 15)	13	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 14, 2012 (Week 15)**

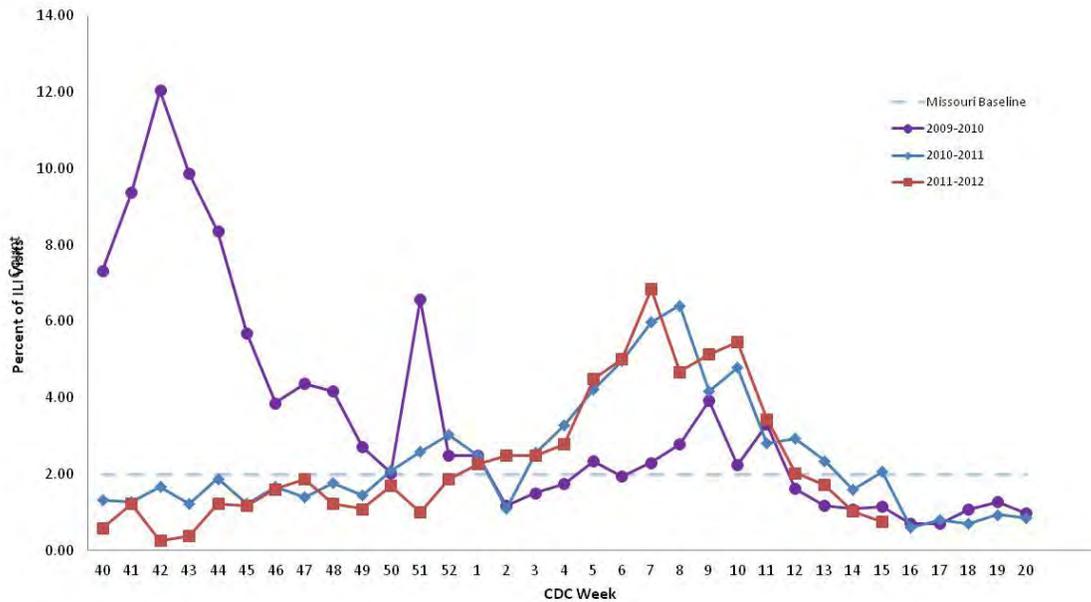
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair	0	1	0	0	0	1	128	0.78
Audrain								
Boone	0	0	0	0	0	0	640	0
Buchanan								
Butler								
Callaway	0	2	1	2	1	6	200	3
Cape Girardeau	0	0	0	0	0	0	50	0
Clay								
Cole	8	5	1	1	2	17	657	2.59
Gasconade	0	0	0	0	1	1	283	0.35
Greene								
Howell								
Iron								
Jackson	0	0	0	0	0	0	167	0
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	93	0
McDonald	0	0	0	0	0	0	398	0
Moniteau	0	0	0	0	0	0	130	0
Nodaway								
Pettis								
Phelps	0	0	0	0	0	0	268	0
Putnam	0	0	0	0	0	0	221	0
Reynolds								
Saline								
St. Clair	0	0	0	0	0	0	34	0
State Total	8	8	2	3	4	25	3269	0.76

*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%.

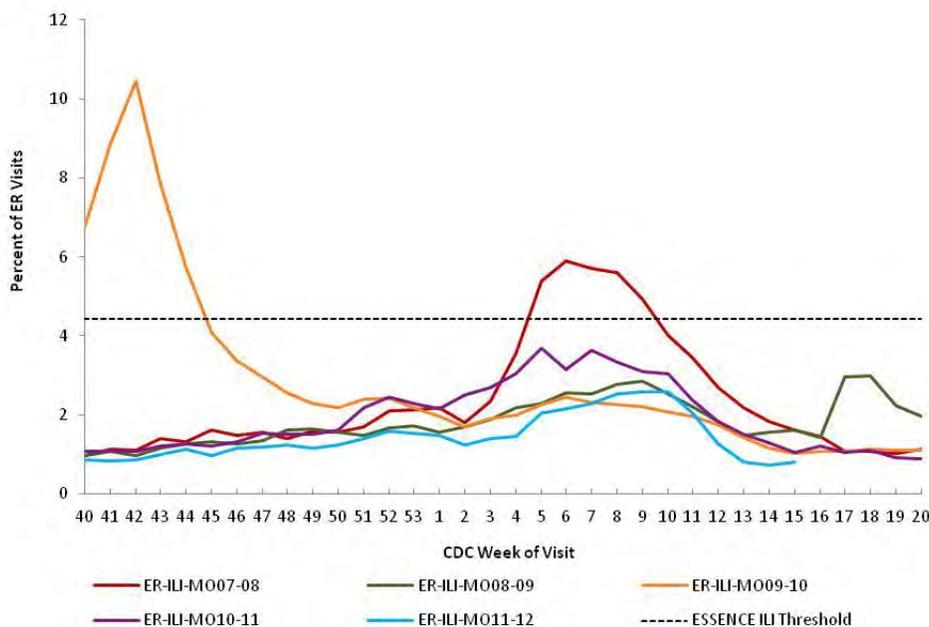
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending April 14, 2012 (Week 15)



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

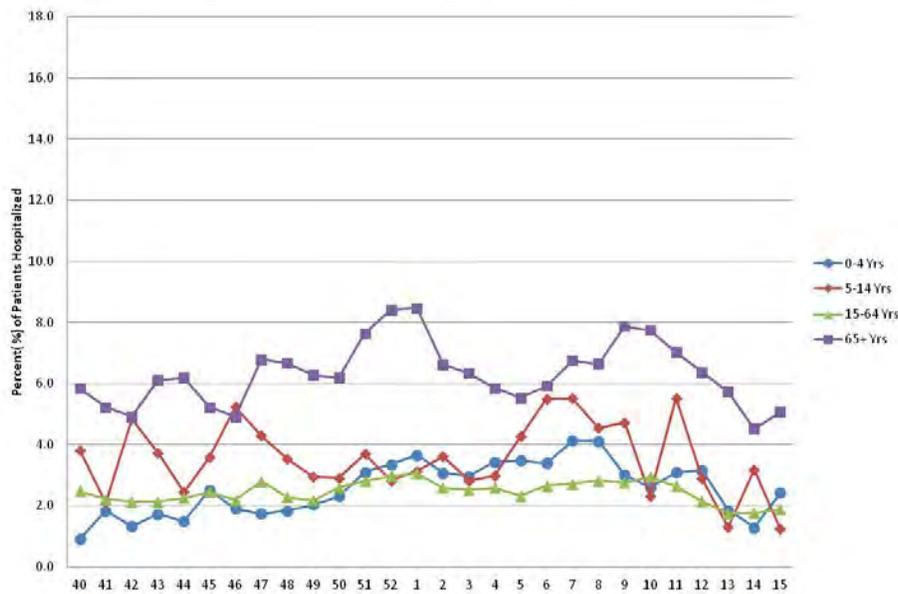
The proportion of patient visits for influenza-like illness is 0.76% for week ending April 14, 2012 (Week 15). This is below Missouri’s baseline of 1.98%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending April 14, 2012 (Week 15)



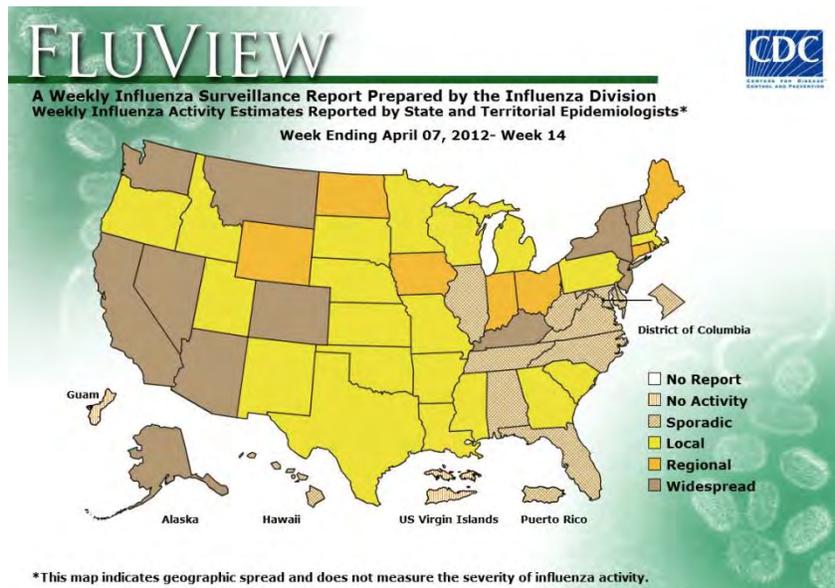
*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

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 14, 2012 (Week 15)



*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 0-4 age group has increased to 2.43%, the 15-64 age group has increased to 1.88% and the 65+ age group has increased to 5.06% in Week 15. The 5-14 age group has decreased to 1.24% in Week 15.



*This map indicates geographic spread and does not measure the severity of influenza activity.

For the week ending April 14, 2012 (Week 15), 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 April 7, 2012 (Week 14), Flu View reported 10 states with widespread influenza activity, nine states reported regional influenza activity, 20 states reported local influenza activity, and 11 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).