



Missouri Weekly Influenza Report 2011-2012 Season¹

Missouri is reporting “Local” 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 March 31, 2012 (Week 13)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 13	402	0	0	1	47	5	455

A total of two specimens were received by the State Public Health Laboratory for viral testing during week 13. One was positive for Influenza A (H3) and one was negative for influenza.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending March 31, 2012 (Week 13)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	18,064	10,291	75.5%
Influenza B	889	3,354	(73.5%)
Influenza Unknown Or Untyped	732	2,542	(71.2%)
Total	19,695	17,191	14.6%

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending March 31, 2012 (Week 13)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,787	1,675	6.7%
02-04	3,336	2,470	35.1%
05-14	6,782	6,307	7.5%
15-24	1,619	2,587	(37.4%)
25-49	3,359	3,408	(1.4%)
50-64	1,291	981	31.6%
65+	1,521	341	346.0%
Total	19,695	17,191	14.6%

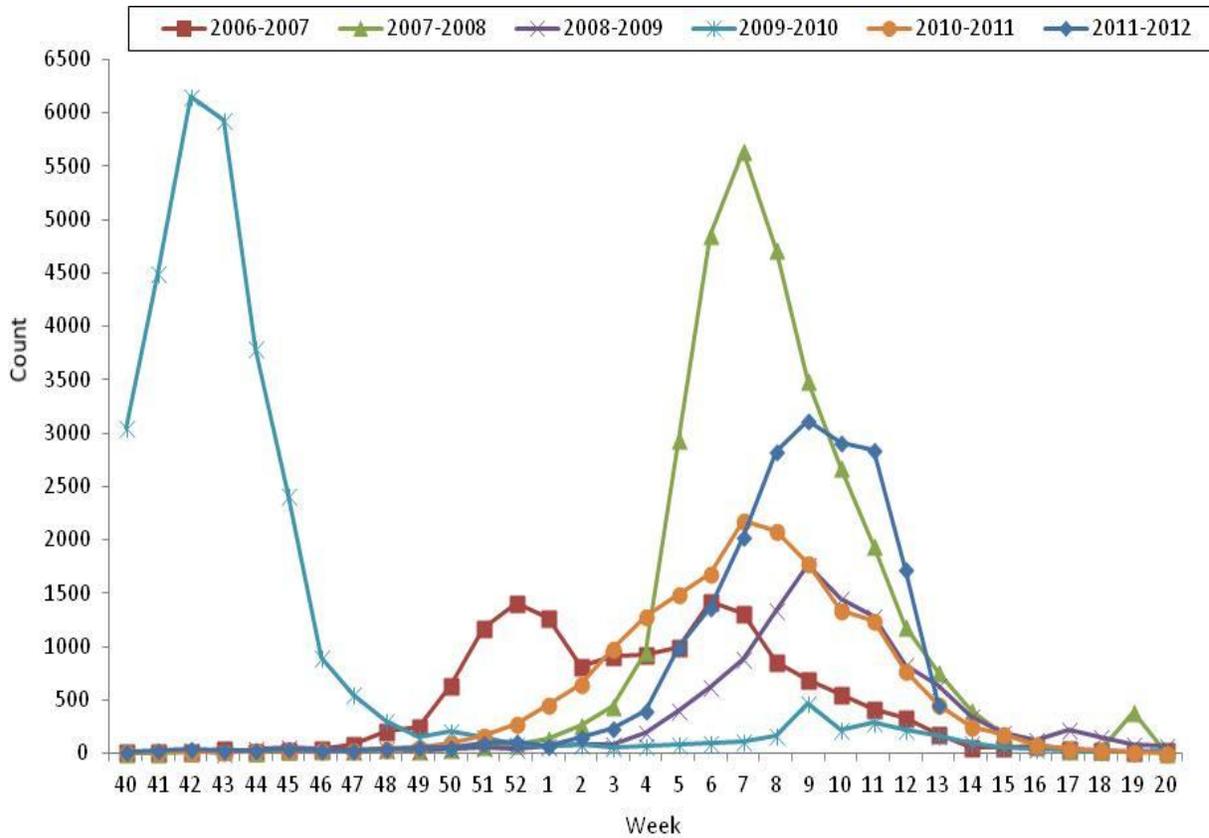
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending March 31, 2012 (Week 13)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	3,958	1,848	114.2%
EA	5,804	4,800	20.9%
NW	6,306	4,312	46.2%
SE	1,273	2,083	(38.9%)
SW	2,354	3,629	(35.1%)
Total	19,695	17,191	14.6%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending March 24, 2012 (Week 12)

Week 12	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 12 Last Season	5 Year Weekly Median
111	2,408	2,292	120	120

Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending March 31, 2012 (Week 13)



The number of reported influenza cases for week 13 of the 2011-2012 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending March 31, 2012 (Week 13)

	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
Week 13	1	0	0	0
Season-to-Date (Week 40-Week 13)	11	5	14	0

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending March 31, 2012 (Week 13)**

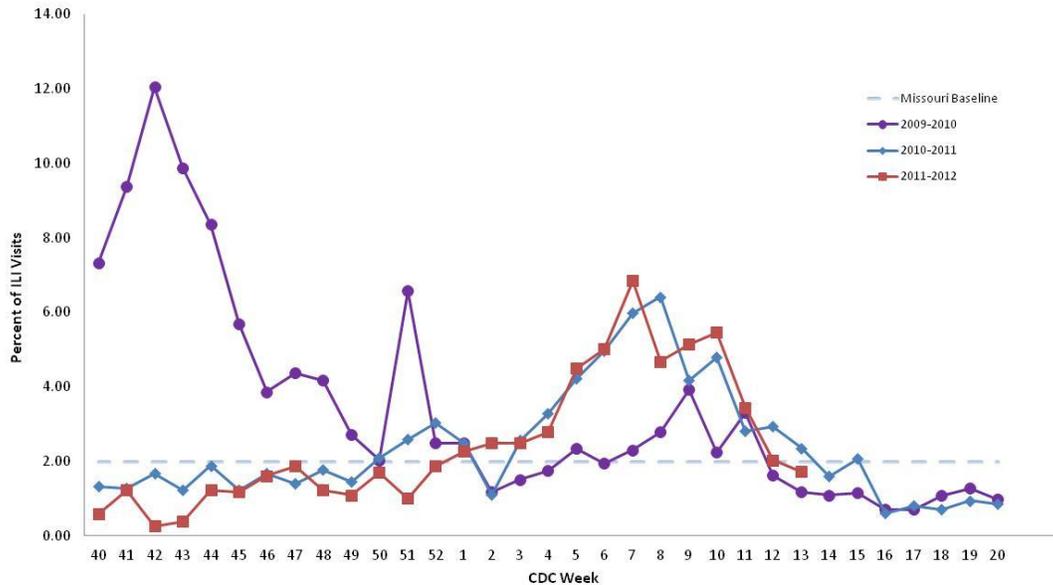
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Buchanan								
Butler								
Callaway	0	5	1	1	0	7	195	3.59
Cape Girardeau	0	0	0	0	0	0	40	0
Clay	0	0	0	0	1	1	237	0.42
Cole	8	13	5	3	3	32	648	4.94
Gasconade	0	1	0	0	1	2	448	0.45
Greene	0	0	0	0	0	0	152	0
Howell								
Iron								
Jackson	0	0	0	0	0	0	172	0
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	80	0
McDonald	0	0	0	0	0	0	93	0
Moniteau								
Nodaway								
Pettis								
Phelps	0	0	0	0	0	0	99	0
Putnam	0	0	0	0	0	0	190	0
Reynolds	0	0	0	0	0	0	46	0
Saline								
St. Clair	0	0	0	0	0	0	43	0
State Total	8	19	6	4	5	42	2,443	1.72

*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%.

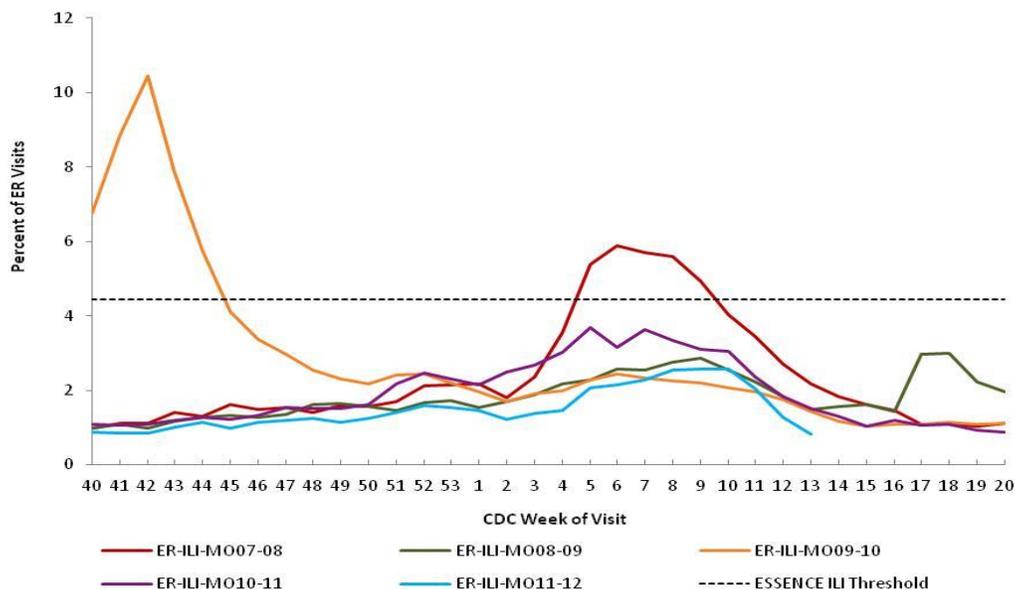
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending March 31, 2012 (Week 13)



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

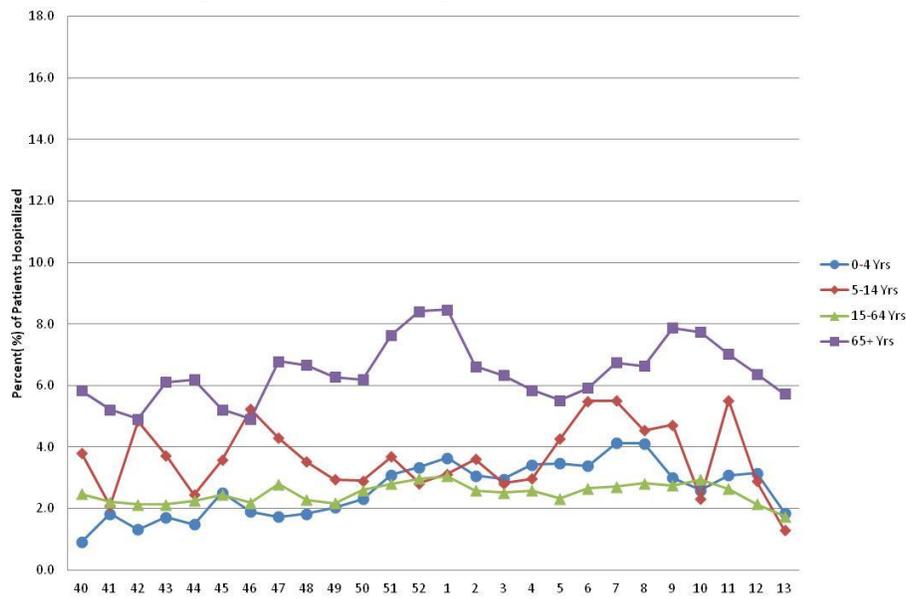
The proportion of patient visits for influenza-like illness is 1.72% for week ending March 31, 2012 (Week 13). This is below Missouri’s baseline of 1.98%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending March 31, 2012 (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.

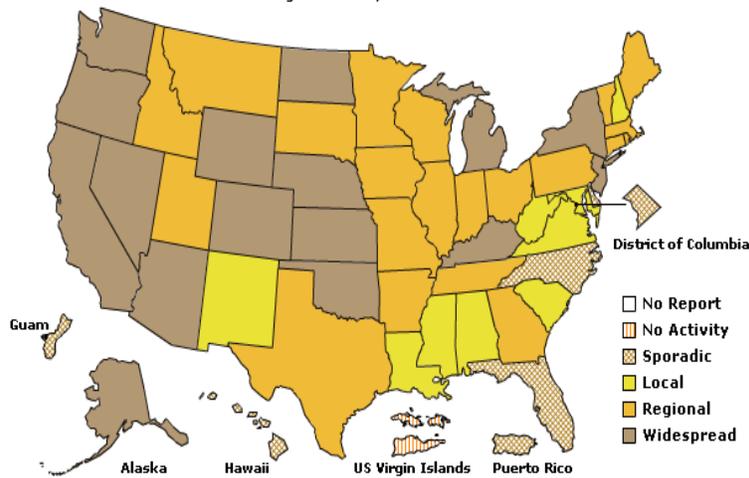
Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending March 31, 2012 (Week 13)



*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.

All age groups have decreased in Week 13.

**A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*
Week Ending March 24, 2012- Week 12**



For the week ending March 31, 2012 (Week 13), 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 24, 2012 (Week 12), Flu View reported 16 states with widespread influenza activity, 21 states reported regional influenza activity, nine states reported local influenza activity, and four 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).