



Missouri Weekly Influenza Report 2013-2014 Season¹

Missouri is reporting “Local” to the CDC for Week 50².

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 December 14, 2013 (Week 50)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 50	351	0	5	0	10	3	369

Fourteen specimens were received by the State Public Health Laboratory for viral testing during week 50; five tested positive for Influenza 2009 A (H1N1) and nine were negative.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending December 14, 2013 (Week 50)

Influenza Type	2013-2014 Season	5-Season Median	% Change from 5-Season Median
Influenza A	946	275	244.0%
Influenza B	127	189	(32.8%)
Influenza Unknown Or Untyped	38	40	(5.0%)
Total	1,111	377	194.7%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending December 14, 2013 (Week 50)

Age Group	2013-2014 Season	5-Season Median	% Change from 5-Season Median
00-<02	84	36	133.3%
02-04	90	47	91.5%
05-14	253	78	224.4%
15-24	145	59	145.8%
25-49	351	117	200.0%
50-64	133	58	129.3%
65+	55	49	12.2%
Total	1,111	377	194.7%

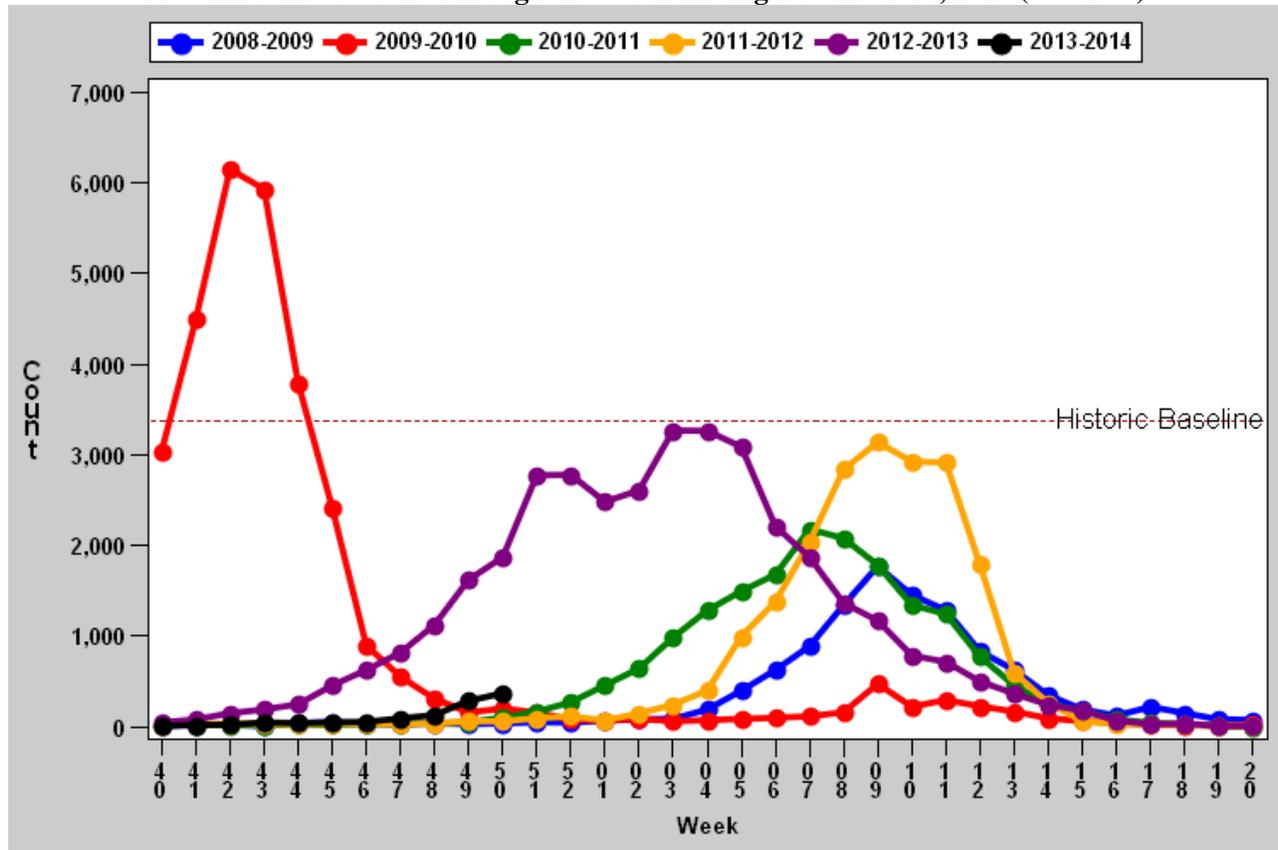
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending December 14, 2013 (Week 50)

District	2013-2014 Season	5-Season Median	% Change from 5-Season Median
CE	90	93	(3.2%)
EA	285	151	88.7%
NW	559	96	482.3%
SE	60	128	(53.1%)
SW	117	66	77.3%
Total	1,111	377	194.7%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending December 7, 2013 (Week 49)

Week 49	Season-to-Date 2013-2014	Season-to-Date 2012-2013	Week 49 Last Season	5 Year Weekly Median
84	699	720	59	65

Graph 1. Reported Influenza Cases 2013-2014 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending December 14, 2013 (Week 50)



The number of reported influenza cases for week 50 of the 2013-2014 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending December 14, 2013 (Week 50)

	Outbreaks		Closures	
	Current Season 2013-2014	Previous Season 2012-2013	Current Season 2013-2014	Previous Season 2012-2013
Week 50	0	0	0	0
Season-to-Date (Week 40-Week 50)	0	1	0	5

Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County Influenza-like Illness (ILI) for the Week Ending December 14, 2013 (Week 50)

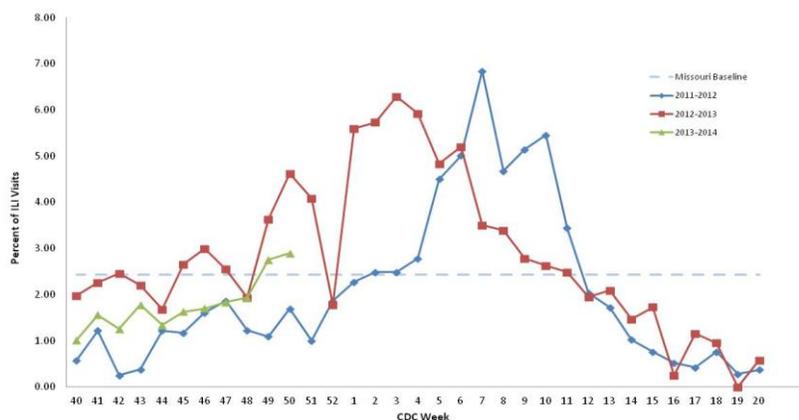
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone	0	0	0	0	0	0	514	0
Callaway								
Cape Girardeau	0	0	0	0	0	0	61	0
Clay								
Cole	9	9	11	5	2	36	561	6.42
Gasconade								
Greene								
Jackson	17	21	31	13	1	83	2761	3.01
Kansas City								
Knox								
Marion	0	0	0	0	0	0	97	0
McDonald	0	1	0	1	0	2	137	1.46
Moniteau	0	0	0	0	0	0	132	0
Nodaway								
Pettis								
Phelps	0	7	0	0	0	7	270	2.59
Putnam								
Reynolds								
Saline								
St. Louis	0	9	1	0	0	10	226	4.42
State Total	26	47	43	19	3	138	4759	2.90

*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 above the national baseline of 2.0%.

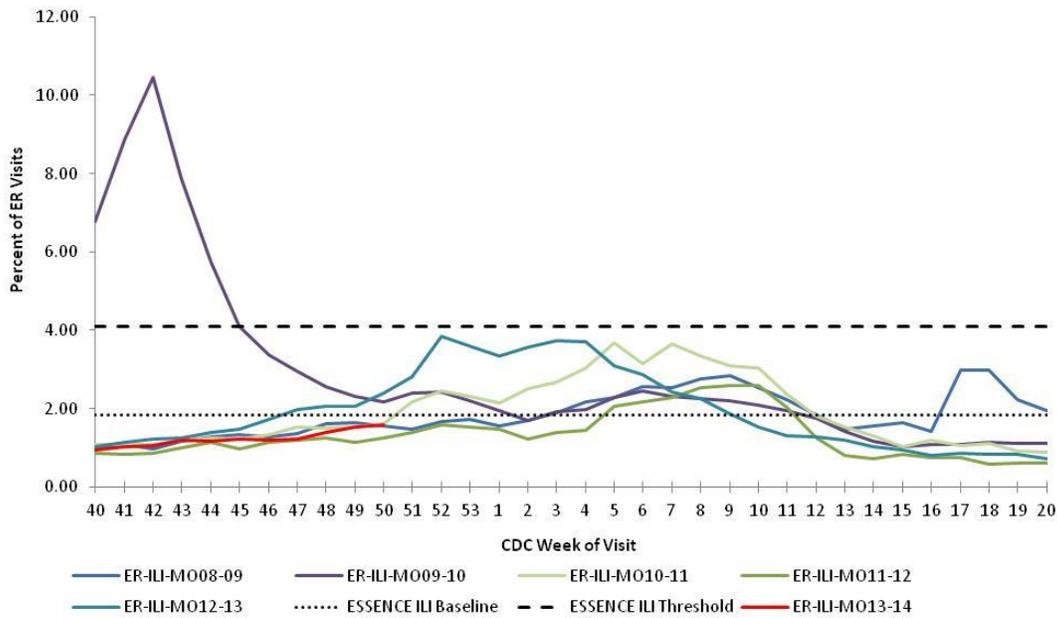
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2013-2014 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending December 14, 2013 (Week 50)



ILINet baseline refers to the mean of the values during previous three influenza seasons (week 40-20, 2010-11, 2011-12 and 2012-13) with low influenza activity.

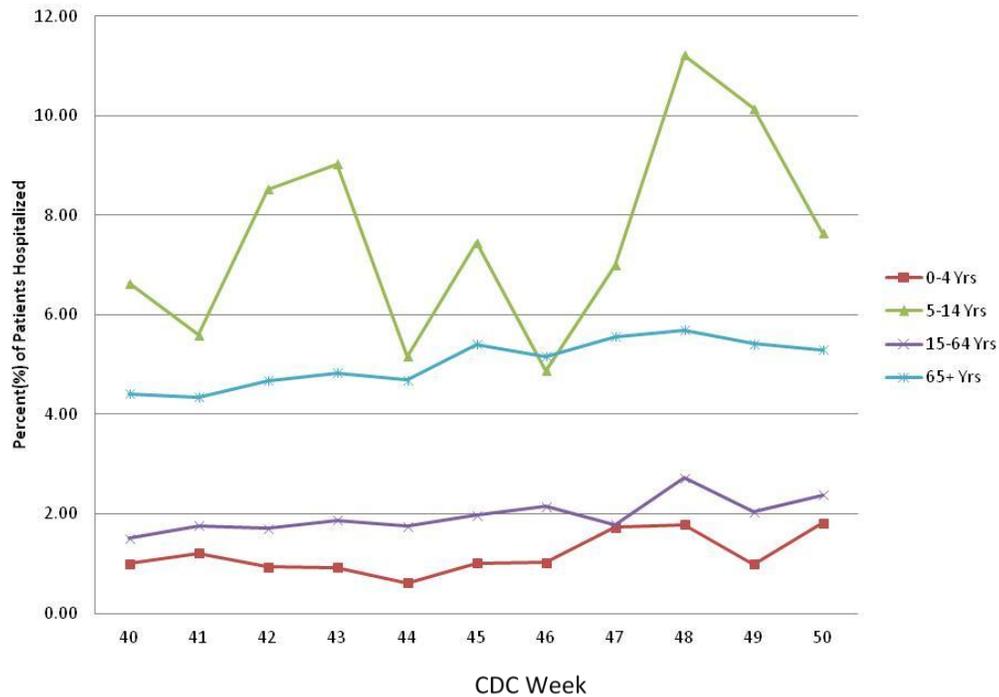
The proportion of patient visits for influenza-like illness is 2.90% for week ending December 14, 2013 (Week 50). This is above Missouri’s baseline of 2.42%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2014 Influenza Seasons Through the Week Ending December 14, 2013 (Week 50)

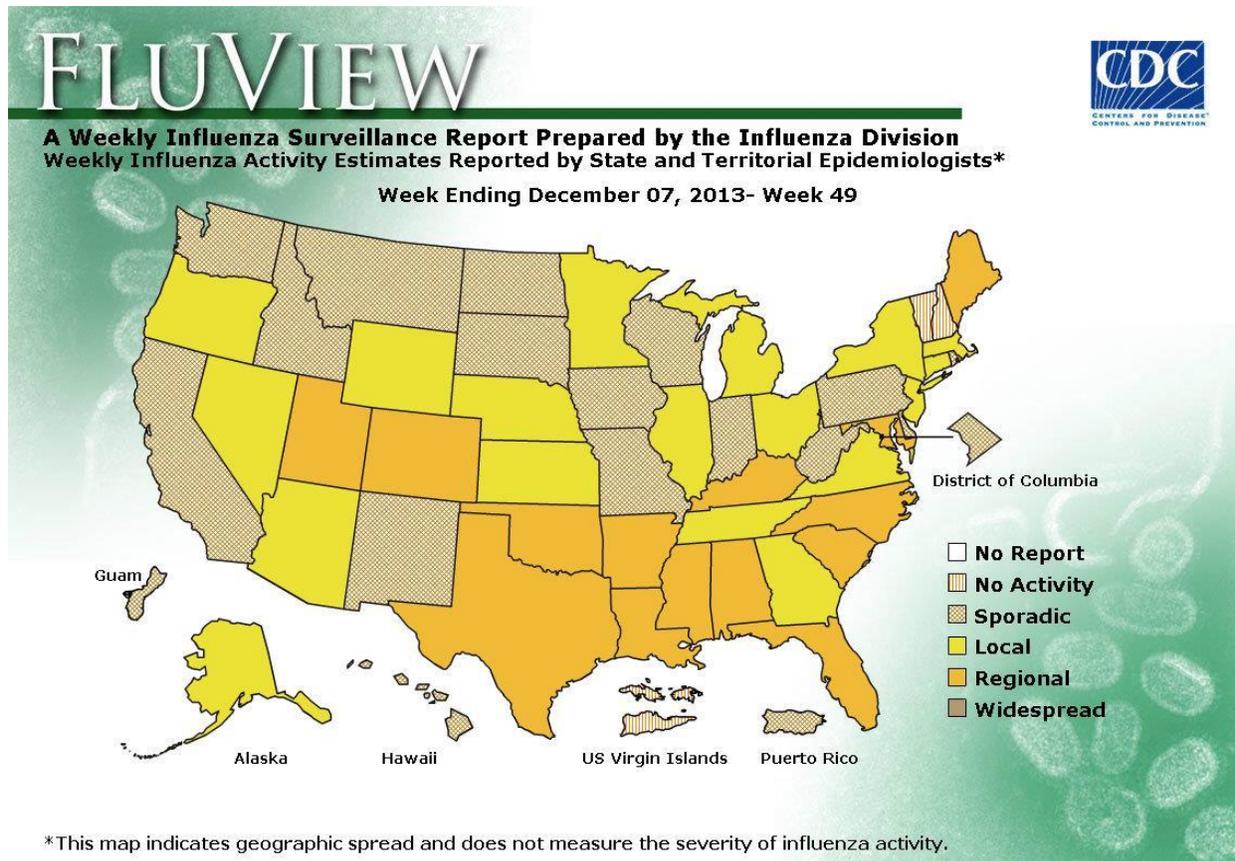


*ESSENCE ILI Threshold refers to the mean plus 3 standard deviations of the values during previous influenza seasons (weeks 40-20, 2006-07, 2008-09 and 2010-2011) when influenza activity was low.

Graph 4. Percent of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from Participating Missouri Hospitals Through the Week Ending December 14, 2013 (Week 50)



*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.



For the week ending **December 14, 2013 (Week 50)**, Missouri reported **Local** to the CDC. Local is defined as: Increased ILI in 1 region; ILI activity in other 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 **And** recent (within the past 3 weeks) lab evidence of influenza in region with the outbreak and virus activity is no greater than sporadic in other regions.

For the week ending December 7, 2013 (week 49), Flu View reported no state with widespread. Fourteen states reported regional influenza activity. Eighteen states reported local influenza activity, 16 states reported sporadic influenza activity and two states reported no 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**.

¹All data in this report are provisional and may change as reports are updated.

²Influenza 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).