



# Missouri Weekly Influenza Report 2013-2014 Season<sup>1</sup>

Missouri is reporting “Local” to the CDC for Week 51<sup>2</sup>.

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 21, 2013 (Week 51)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 51	708	0	5	0	20	11	744

Five specimens were received by the State Public Health Laboratory for viral testing during week 51; all were positive for Influenza 2009 A (H1N1).

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending December 21, 2013 (Week 51)

Influenza Type	2013-2014 Season	5-Season Median	% Change from 5-Season Median
Influenza A	1,885	401	369.8%
Influenza B	154	208	( 26.0%)
Influenza Unknown Or Untyped	66	43	53.5%
Total	2,105	522	303.3%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending December 21, 2013 (Week 51)

Age Group	2013-2014 Season	5-Season Median	% Change from 5-Season Median
00-<02	186	49	279.6%
02-04	195	65	200.0%
05-14	485	112	333.0%
15-24	280	85	229.4%
25-49	634	136	366.2%
50-64	239	63	279.4%
65+	86	59	45.8%
Total	2,105	522	303.3%

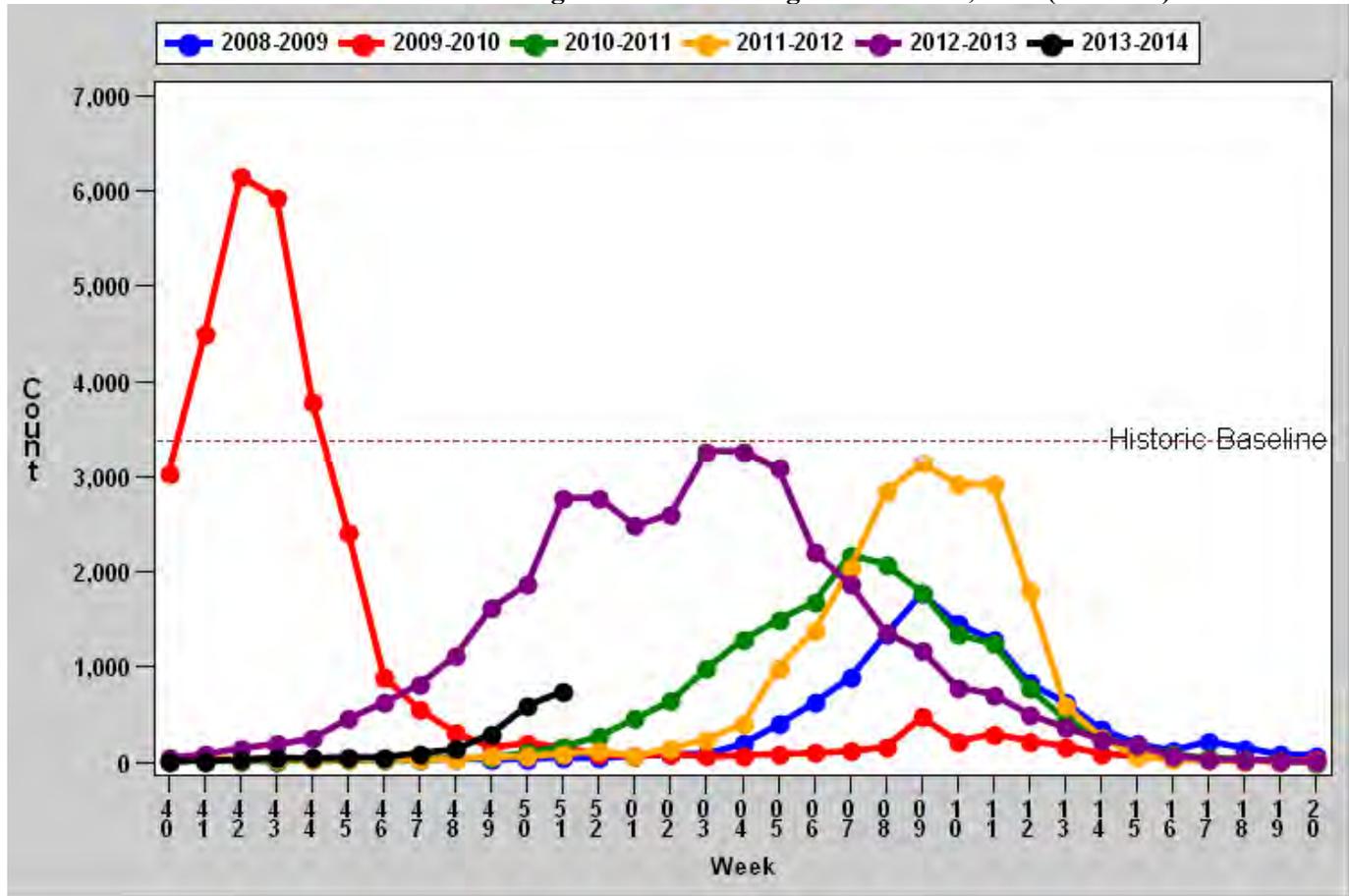
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending December 21, 2013 (Week 51)

District	2013-2014 Season	5-Season Median	% Change from 5-Season Median
CE	199	105	89.5%
EA	440	248	77.4%
NW	1,197	158	657.6%
SE	100	130	( 23.1%)
SW	169	86	96.5%
Total	2,105	522	303.3%

**Table 5. Deaths involving Pneumonia and Influenza (P&I)  
Reported During the Week Ending December 14, 2013 (Week 50)**

Week 50	Season-to-Date 2013-2014	Season-to-Date 2012-2013	Week 50 Last Season	5 Year Weekly Median
74	743	794	74	79

**Graph 1. Reported Influenza Cases 2013-2014 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending December 21, 2013 (Week 51)**



The number of reported influenza cases for week 51 of the 2013-2014 season is following historical trends.

**Table 6. Outbreaks/Closures Due to Influenza-like Illness  
Reported During the Week Ending December 21, 2013 (Week 51)**

	Outbreaks		Closures	
	Current Season 2013-2014	Previous Season 2012-2013	Current Season 2013-2014	Previous Season 2012-2013
Week 51	0	0	0	0
Season-to-Date (Week 40-Week 51)	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 21, 2013 (Week 51)**

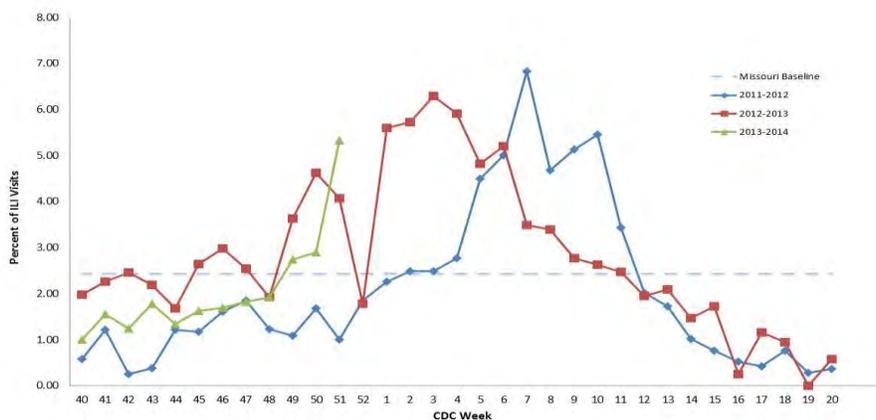
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Callaway								
Cape Girardeau	0	0	0	0	0	0	63	0
Clay								
Cole	11	12	15	6	4	48	575	8.35
Gasconade								
Greene								
Jackson	30	65	79	15	2	191	2980	6.41
Kansas City								
Knox								
Marion	0	0	0	0	0	0	82	0
McDonald	0	0	1	0	0	1	350	0.29
Moniteau	0	0	0	0	0	0	133	0
Nodaway								
Pettis	1	0	2	0	0	3	198	1.52
Phelps	0	1	0	0	0	1	76	1.32
Putnam								
Reynolds	0	0	0	0	0	0	37	0
Saline								
St. Louis	0	1	0	0	0	1	105	0.95
State Total	42	79	97	21	6	245	4599	5.33

\*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 21, 2013 (Week 51)**

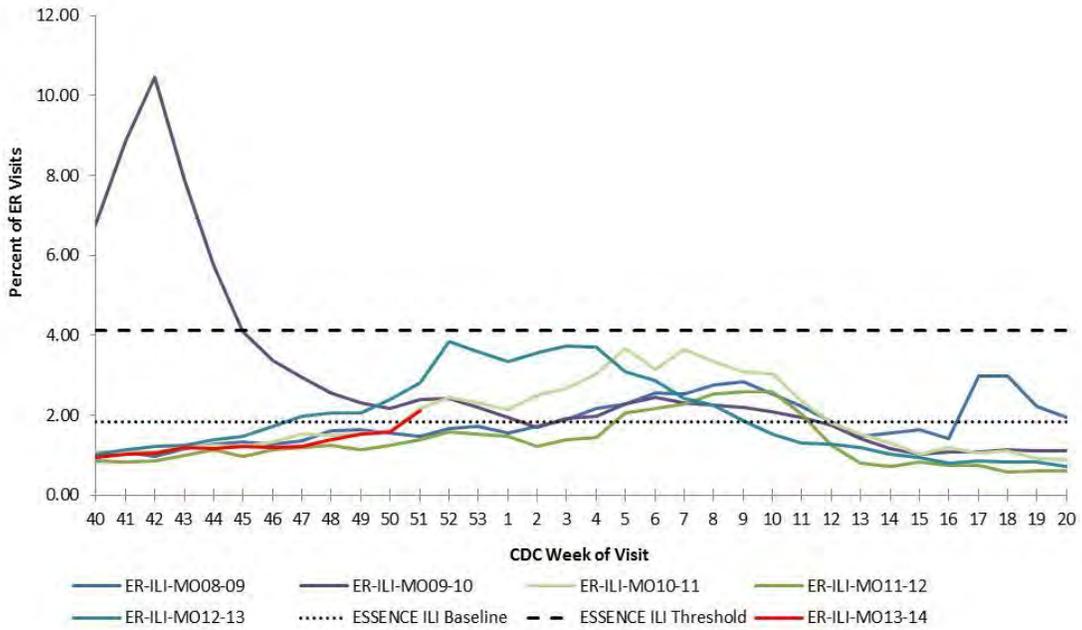


ILINet baseline refers to the mean of the values during previous three influenza seasons (week 40-20, 2010-11, 2011-12 and 2012-13) with low influenza activity.

The proportion of patient visits for influenza-like illness is 5.33% for week ending December 21, 2013 (Week 51). This is above Missouri’s baseline of 2.42%.

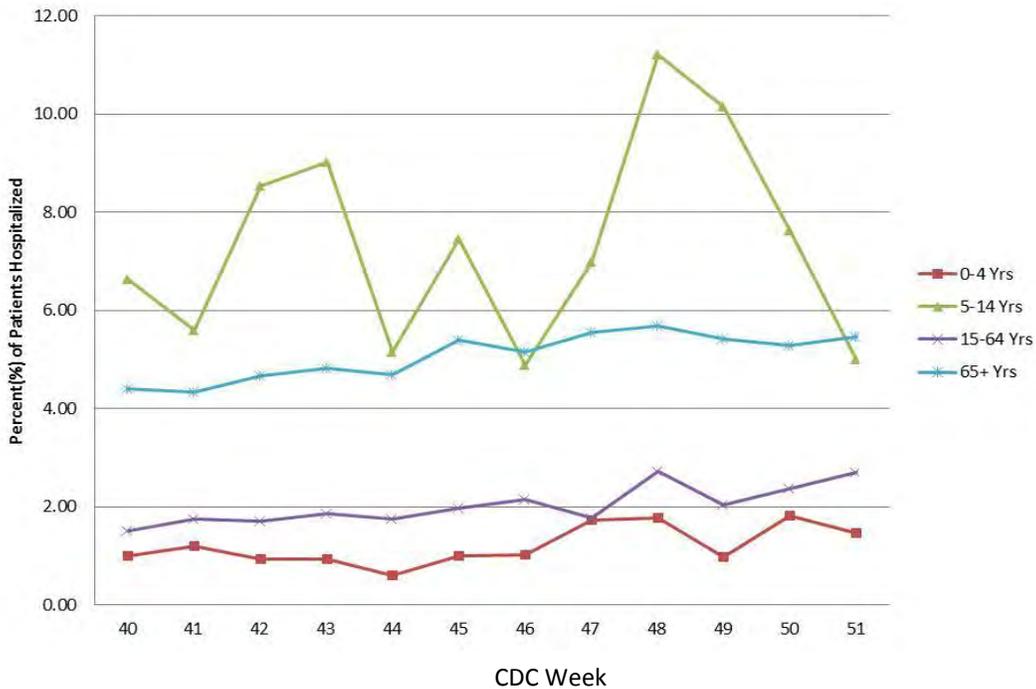
**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals  
2007-2014 Influenza Seasons**

**Through the Week Ending December 21, 2013 (Week 51)**

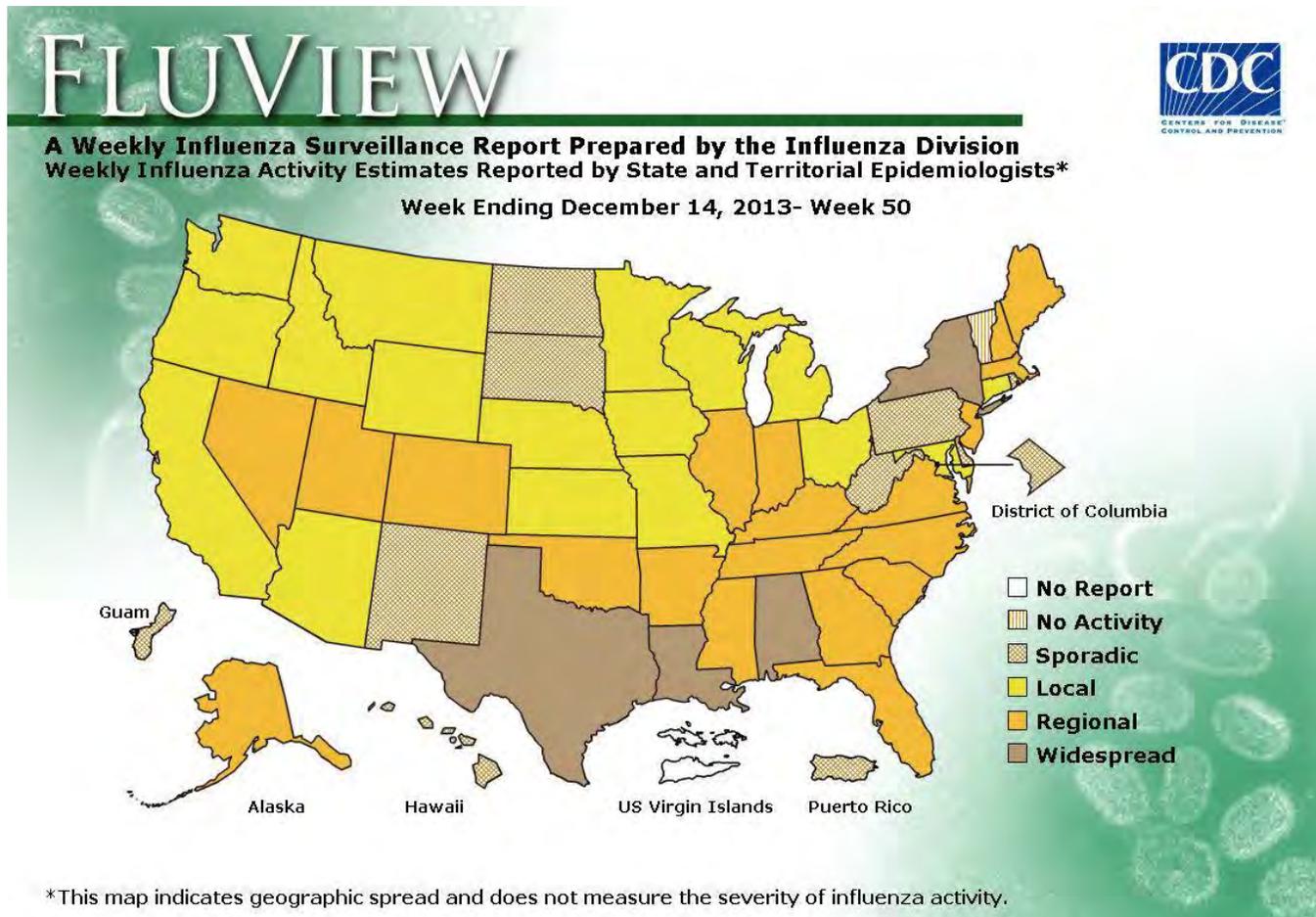


\*ESSENCE ILI Threshold refers to the mean plus 3 standard deviations of the values during previous influenza seasons (weeks 40-20, 2006-07, 2008-09 and 2010-2011) when influenza activity was low.

**Graph 4. Percent of Patients Hospitalized for Influenza and/or Pneumonia Syndromes  
By Age Group from Participating Missouri Hospitals  
Through the Week Ending December 21, 2013 (Week 51)**



\*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 21, 2013 (Week 51)**, 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 14, 2013 (week 50), Flu View reported four states with widespread, 20 states reported regional influenza activity, 17 states reported local influenza activity, eight states reported sporadic influenza activity and one state 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**.

<sup>1</sup>All data in this report are provisional and may change as reports are updated.

<sup>2</sup>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).