



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

Missouri is reporting “Regional” to the CDC for Week 52<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 28, 2013 (Week 52)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 52	1,218	0	4	0	43	41	1,306

Seven specimens were received by the State Public Health Laboratory for viral testing during week 52; four tested positive for Influenza 2009 A (H1N1) and three were negative.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending December 28, 2013 (Week 52)

Influenza Type	2013-2014 Season	5-Season Median	% Change from 5-Season Median
Influenza A	3,665	619	486.8%
Influenza B	222	229	( 3.1%)
Influenza Unknown Or Untyped	193	49	293.9%
Total	4,080	792	415.2%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending December 28, 2013 (Week 52)

Age Group	2013-2014 Season	5-Season Median	% Change from 5-Season Median
00-<02	352	70	402.9%
02-04	416	98	324.5%
05-14	906	166	445.8%
15-24	529	140	277.9%
25-49	1,235	212	482.5%
50-64	475	65	630.8%
65+	167	70	138.6%
Total	4,080	792	415.2%

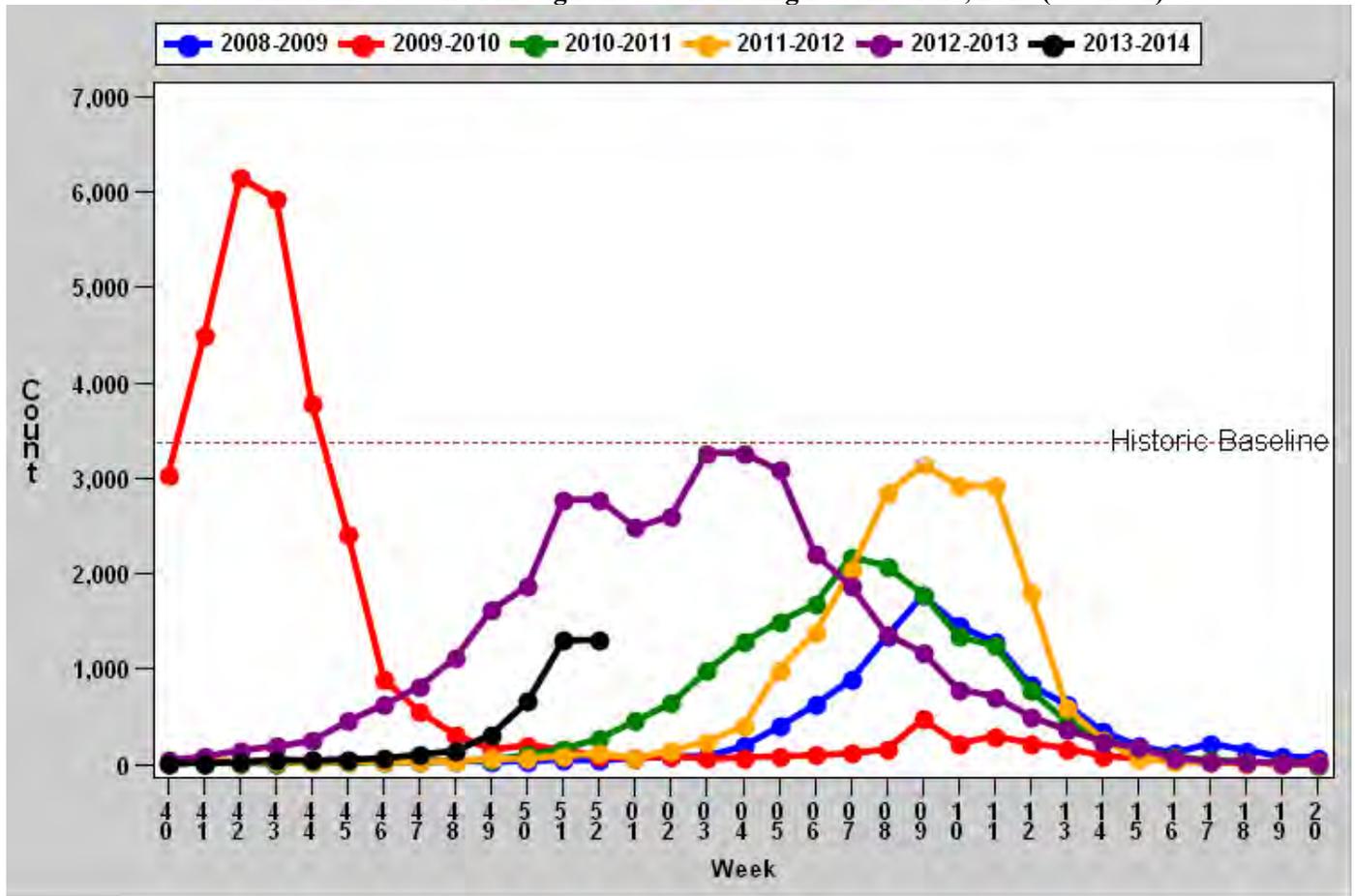
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending December 28, 2013 (Week 52)

District	2013-2014 Season	5-Season Median	% Change from 5-Season Median
CE	366	111	229.7%
EA	728	411	77.1%
NW	2,406	237	915.2%
SE	200	130	53.8%
SW	380	117	224.8%
Total	4,080	792	415.2%

**Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending December 21, 2013 (Week 51)**

Week 51	Season-to-Date 2013-2014	Season-to-Date 2012-2013	Week 51 Last Season	5 Year Weekly Median
77	820	872	78	78

**Graph 1. Reported Influenza Cases 2013-2014 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending December 28, 2013 (Week 52)**



The number of reported influenza cases for week 52 of the 2013-2014 season.

**Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending December 28, 2013 (Week 52)**

	Outbreaks		Closures	
	Current Season 2013-2014	Previous Season 2012-2013	Current Season 2013-2014	Previous Season 2012-2013
Week 52	0	0	0	0
Season-to-Date (Week 40-Week 52)	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 28, 2013 (Week 52)**

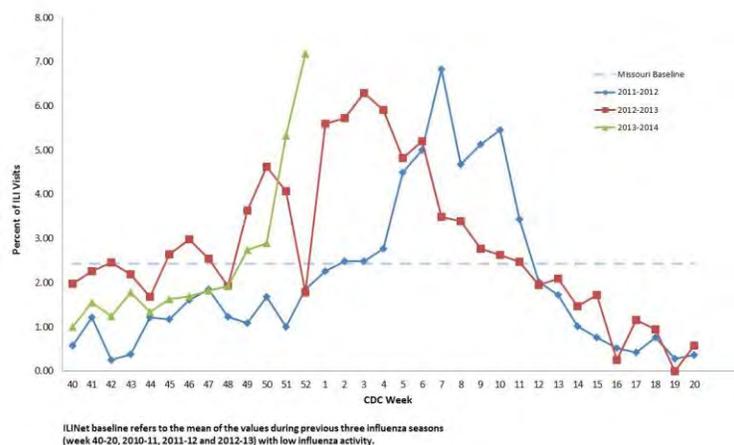
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Callaway	2	3	2	6	1	14	186	7.53
Cape Girardeau	0	0	0	0	0	0	23	0
Clay								
Cole								
Gasconade								
Greene								
Jackson	34	61	102	37	11	245	3010	8.14
Kansas City								
Knox	1	0	0	0	0	1	59	1.69
Marion								
McDonald	0	0	0	0	0	0	188	0
Moniteau								
Nodaway								
Pettis								
Phelps	0	1	0	0	0	1	16	6.25
Putnam	0	0	0	0	0	0	152	0
Reynolds								
Saline								
St. Louis								
State Total	37	65	104	43	12	261	3634	7.18

\*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>

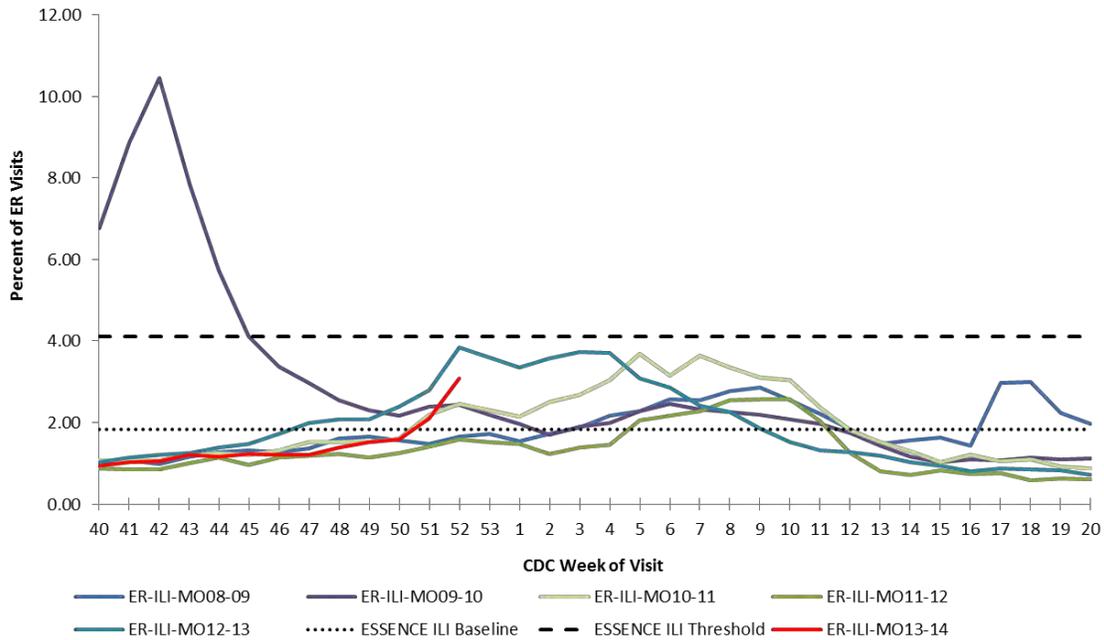
\*\*\*This is above the national baseline of 2.0%.

**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 28, 2013 (Week 52)**



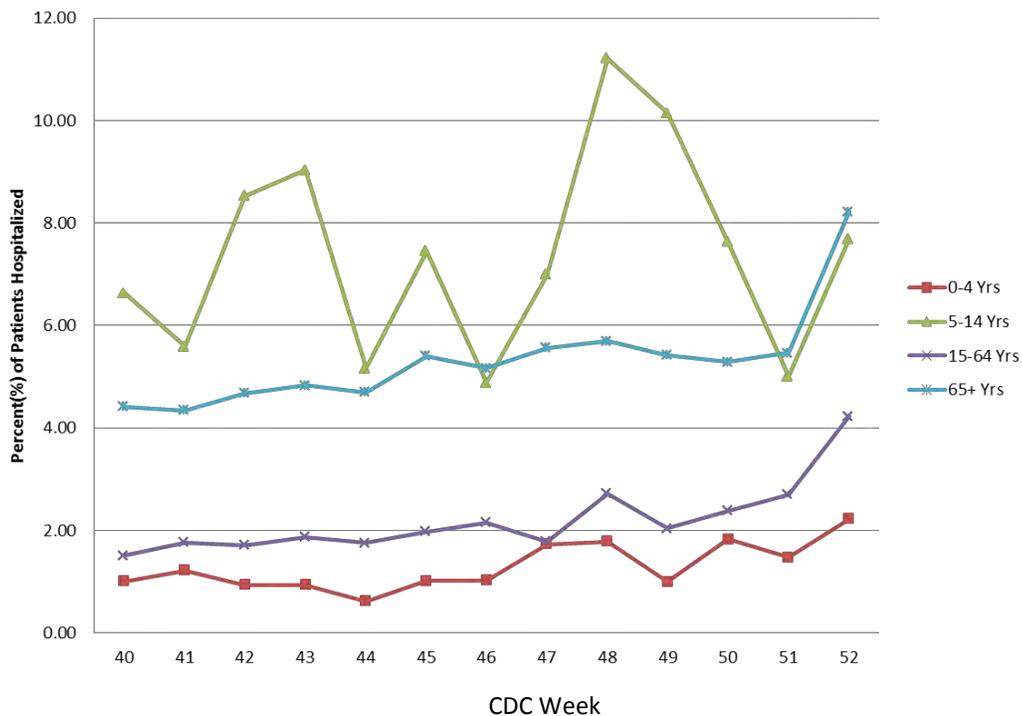
The proportion of patient visits for influenza-like illness is 7.18% for week ending December 28, 2013 (Week 52). This is above Missouri’s baseline of 2.42%.

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2014 Influenza Seasons Through the Week Ending December 28, 2013 (Week 52)**

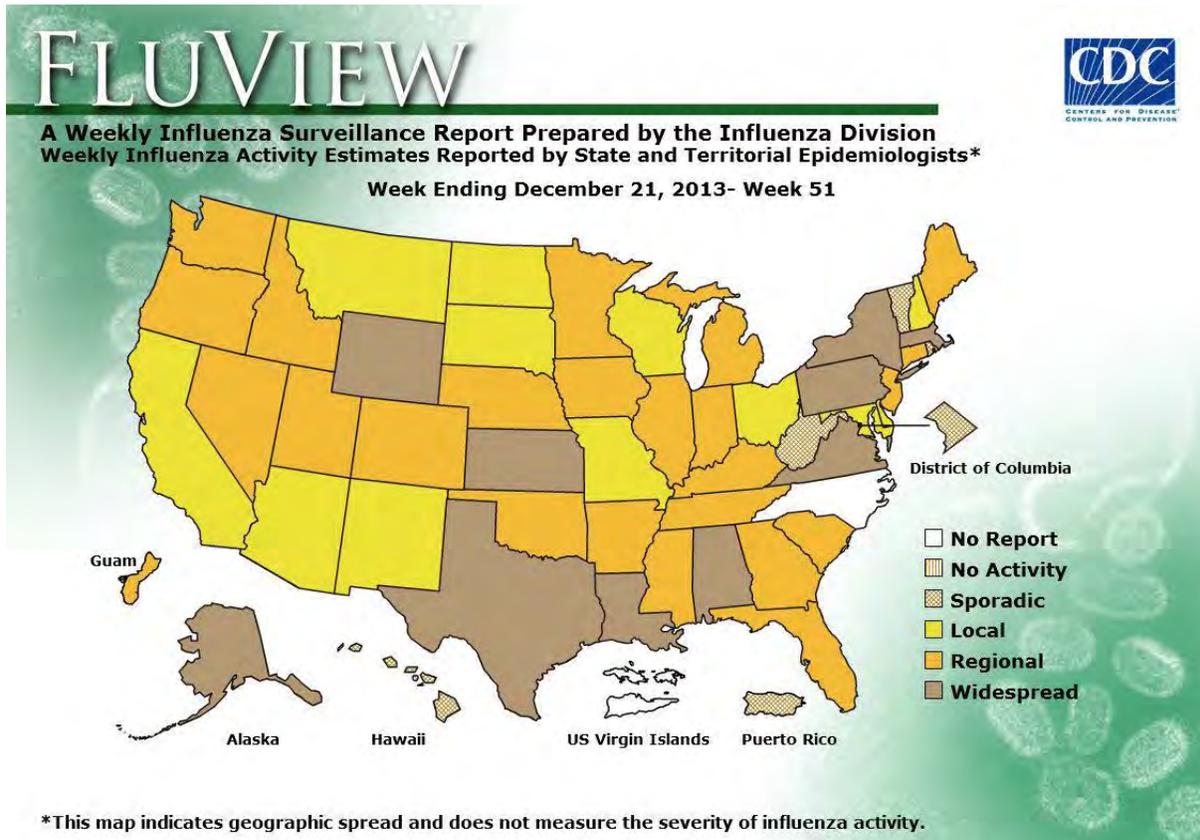


\*ESSENCE ILI Threshold refers to the mean plus 3 standard deviations of the values during previous influenza seasons (weeks 40-20, 2006-07, 2008-09 and 2010-2011) when influenza activity was low.

**Graph 4. Percent of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from Participating Missouri Hospitals Through the Week Ending December 28, 2013 (Week 52)**



\*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 28, 2013 (Week 52)**, Missouri reported **Regional** Influenza Activity to the CDC. Regional Activity is defined as: Increased ILI in at least 2 regions but less than half of the regions, **AND** recent (within the past 3 weeks) lab confirmed influenza in the affected regions. **OR** Institutional outbreaks (ILI or lab confirmed) in at least 2 regions, but fewer than half of the regions, **AND** recent lab confirmed influenza in the affected regions.

For the week ending December 21, 2013 (week 51), Flu View reported 10 states with widespread, 23 states reported regional influenza activity, 12 states reported local influenza activity, four states reported sporadic influenza activity and one state did not report. 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).