



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

Missouri is reporting “Sporadic” to the CDC for Week 49<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 7, 2013 (Week 49)**

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
<b>Week 49</b>	<b>174</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>11</b>	<b>1</b>	<b>187</b>

Three specimens were received by the State Public Health Laboratory for viral testing during week 49; one tested positive for Influenza 2009 A (H1N1) and two were negative.

**Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending December 7, 2013 (Week 49)**

Influenza Type	2013-2014 Season	5-Season Median	% Change from 5-Season Median
<b>Influenza A</b>	<b>501</b>	<b>194</b>	<b>158.2%</b>
<b>Influenza B</b>	<b>111</b>	<b>167</b>	<b>( 33.5%)</b>
<b>Influenza Unknown Or Untyped</b>	<b>16</b>	<b>32</b>	<b>( 50.0%)</b>
<b>Total</b>	<b>628</b>	<b>317</b>	<b>98.1%</b>

**Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending December 7, 2013 (Week 49)**

Age Group	2013-2014 Season	5-Season Median	% Change from 5-Season Median
<b>00-&lt;02</b>	<b>48</b>	<b>27</b>	<b>77.8%</b>
<b>02-04</b>	<b>45</b>	<b>34</b>	<b>32.4%</b>
<b>05-14</b>	<b>145</b>	<b>62</b>	<b>133.9%</b>
<b>15-24</b>	<b>87</b>	<b>40</b>	<b>117.5%</b>
<b>25-49</b>	<b>191</b>	<b>108</b>	<b>76.9%</b>
<b>50-64</b>	<b>76</b>	<b>56</b>	<b>35.7%</b>
<b>65+</b>	<b>36</b>	<b>46</b>	<b>( 21.7%)</b>
<b>Total</b>	<b>628</b>	<b>317</b>	<b>98.1%</b>

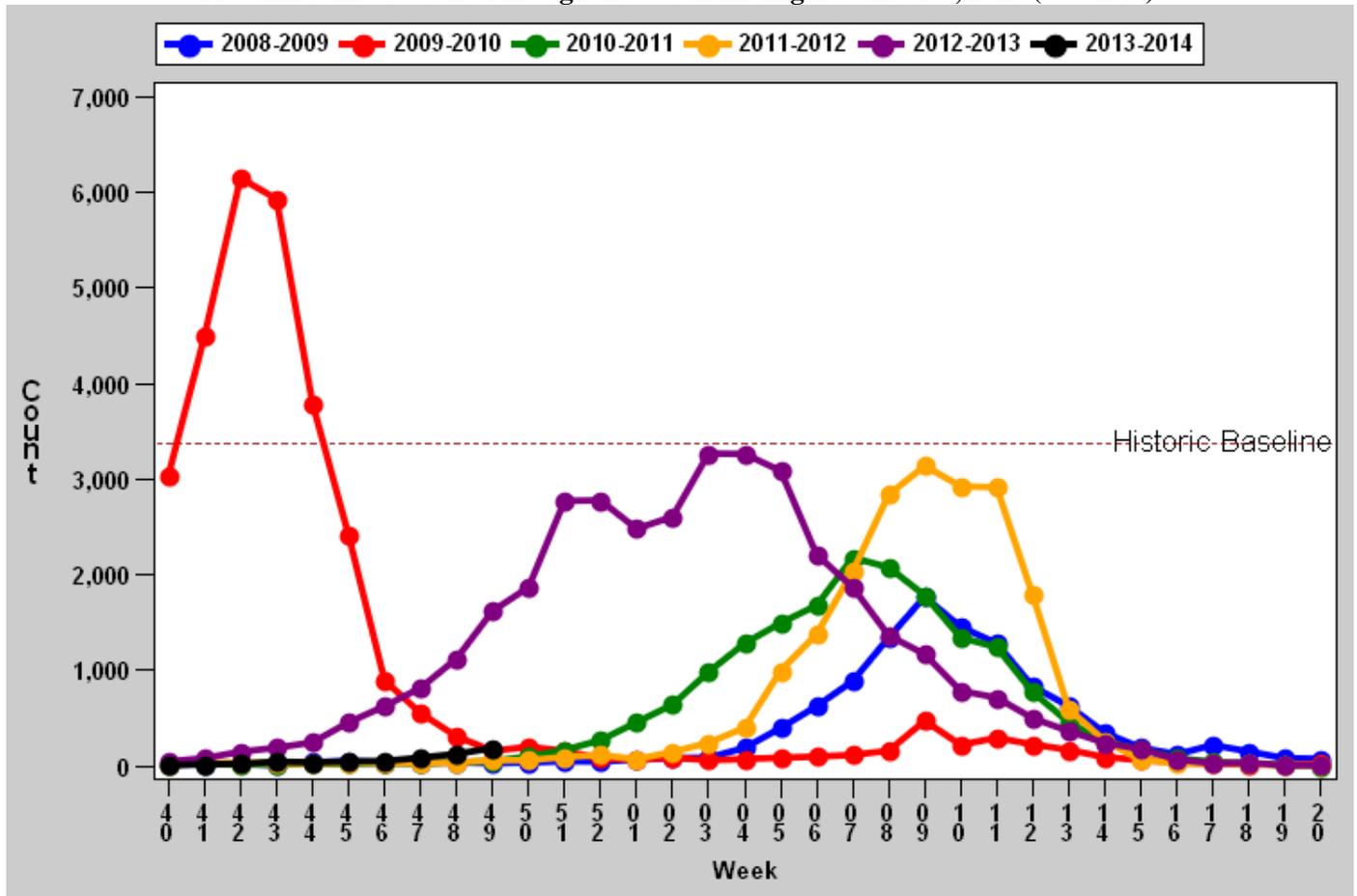
**Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending December 7, 2013 (Week 49)**

District	2013-2014 Season	5-Season Median	% Change from 5-Season Median
<b>CE</b>	<b>63</b>	<b>81</b>	<b>( 22.2%)</b>
<b>EA</b>	<b>166</b>	<b>94</b>	<b>76.6%</b>
<b>NW</b>	<b>263</b>	<b>67</b>	<b>292.5%</b>
<b>SE</b>	<b>47</b>	<b>124</b>	<b>( 62.1%)</b>
<b>SW</b>	<b>89</b>	<b>54</b>	<b>64.8%</b>
<b>Total</b>	<b>628</b>	<b>317</b>	<b>98.1%</b>

**Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending November 30, 2013 (Week 48)**

Week 48	Season-to-Date 2013-2014	Season-to-Date 2012-2013	Week 48 Last Season	5 Year Weekly Median
52	585	661	89	89

**Graph 1. Reported Influenza Cases 2013-2014 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending December 7, 2013 (Week 49)**



The number of reported influenza cases for week 49 of the 2013-2014 season is following historical trends.

**Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending December 7, 2013 (Week 49)**

	Outbreaks		Closures	
	Current Season 2013-2014	Previous Season 2012-2013	Current Season 2013-2014	Previous Season 2012-2013
Week 49	0	1	0	2
Season-to-Date (Week 40-Week 49)	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 7, 2013 (Week 49)**

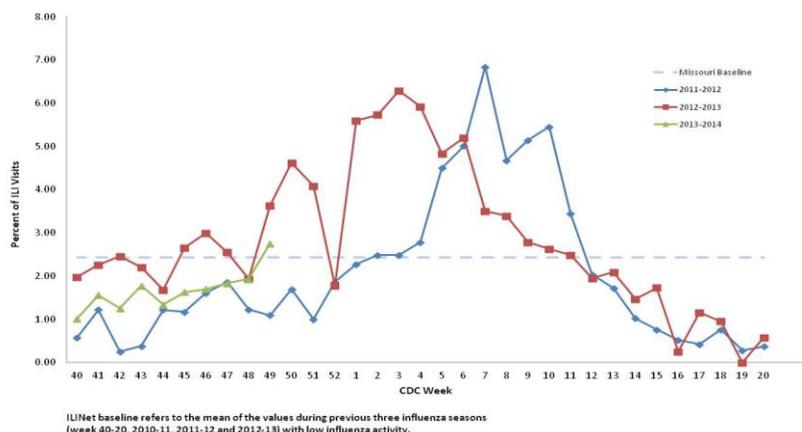
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Callaway	2	2	3	1	3	11	162	6.79
Cape Girardeau	0	0	0	0	0	0	49	0
Clay								
Cole	3	7	8	3	2	23	574	4.01
Gasconade								
Greene								
Jackson	15	27	32	7	2	83	2995	2.77
Kansas City								
Knox								
Marion	0	0	0	0	0	0	95	0
McDonald	0	2	0	0	0	2	220	0.91
Moniteau								
Nodaway								
Pettis								
Phelps	0	1	0	0	0	1	259	0.39
Putnam								
Reynolds								
Saline								
St. Louis	0	4	2	0	0	6	233	2.58
State Total	20	43	45	11	7	126	4587	2.75

\*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>

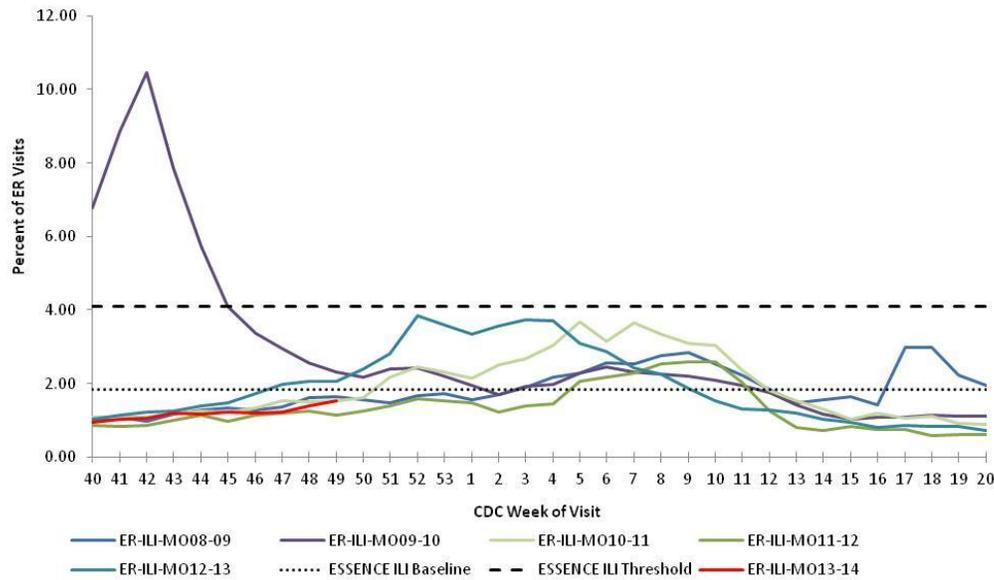
\*\*\*This is above the national baseline of 2.0%.

**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 7, 2013 (Week 49)**



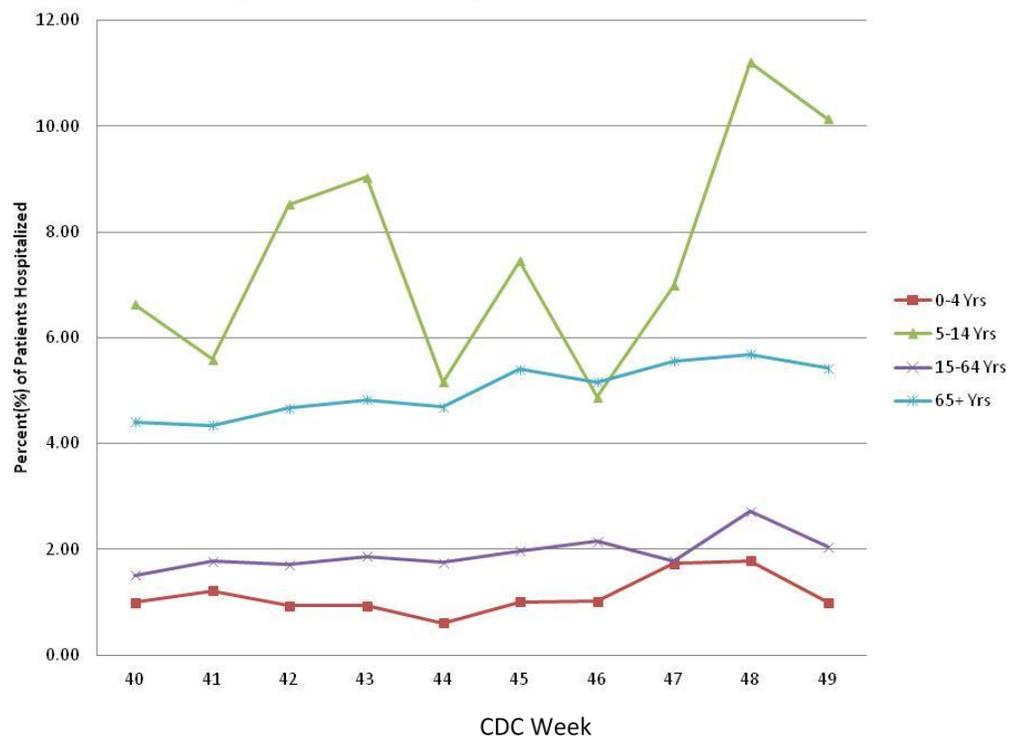
The proportion of patient visits for influenza-like illness is 2.75% for week ending December 7, 2013 (Week 49). This is above Missouri’s baseline of 2.42%.

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2014 Influenza Seasons Through the Week Ending December 7, 2013 (Week 49)**

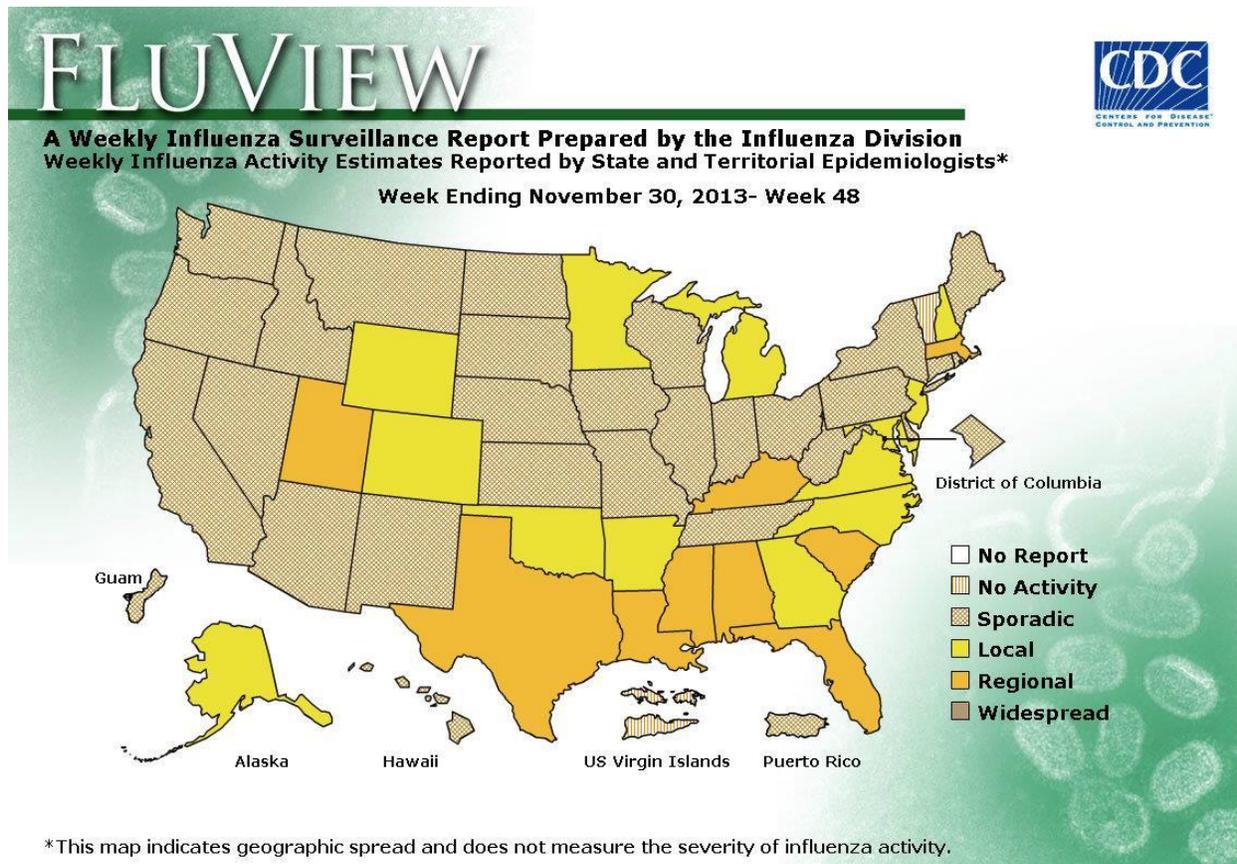


\*ESSENCE ILI Threshold refers to the mean plus 3 standard deviations of the values during previous influenza seasons (weeks 40-20, 2006-07, 2008-09 and 2010-2011) when influenza activity was low.

**Graph 4. Percent of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from Participating Missouri Hospitals Through the Week Ending December 7, 2013 (Week 49)**



\*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 7, 2013 (Week 49)**, Missouri reported **Sporadic** to the CDC. Sporadic is defined as: influenza-like illness activity has not increased and there are isolated lab-confirmed cases or a lab-confirmed outbreak in a single institution in the state.

For the week ending November 30, 2013 (week 48), Flu View reported no state with widespread. Nine states reported regional influenza activity. Thirteen states reported local influenza activity, 27 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).