



# Missouri Weekly Influenza Report 2010-2011 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 11, 2010 (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>21</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>26</b>

One PCR and/or culture confirmed type A (H1N1) case has been reported for week 49.

A total of six specimens were received by the State Public Health Laboratory for viral testing during week 49. One of the six, or 17%, was positive for 2009 Influenza A (H1N1).

**Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending December 11, 2010 (Week 49)**

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
<b>Influenza A</b>	<b>153</b>	<b>161</b>	<b>( 5.0%)</b>
<b>Influenza B</b>	<b>35</b>	<b>90</b>	<b>( 61.1%)</b>
<b>Influenza Unknown Or Untyped</b>	<b>2</b>	<b>32</b>	<b>( 93.8%)</b>
<b>Total</b>	<b>190</b>	<b>279</b>	<b>( 31.9%)</b>

**Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending December 11, 2010 (Week 49)**

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
<b>00-&lt;02</b>	<b>20</b>	<b>21</b>	<b>( 4.8%)</b>
<b>02-04</b>	<b>20</b>	<b>24</b>	<b>( 16.7%)</b>
<b>05-14</b>	<b>31</b>	<b>46</b>	<b>( 32.6%)</b>
<b>15-24</b>	<b>29</b>	<b>28</b>	<b>3.6%</b>
<b>25-49</b>	<b>58</b>	<b>79</b>	<b>( 26.6%)</b>
<b>50-64</b>	<b>13</b>	<b>32</b>	<b>( 59.4%)</b>
<b>65+</b>	<b>19</b>	<b>27</b>	<b>( 29.6%)</b>
<b>Total</b>	<b>190</b>	<b>279</b>	<b>( 31.9%)</b>

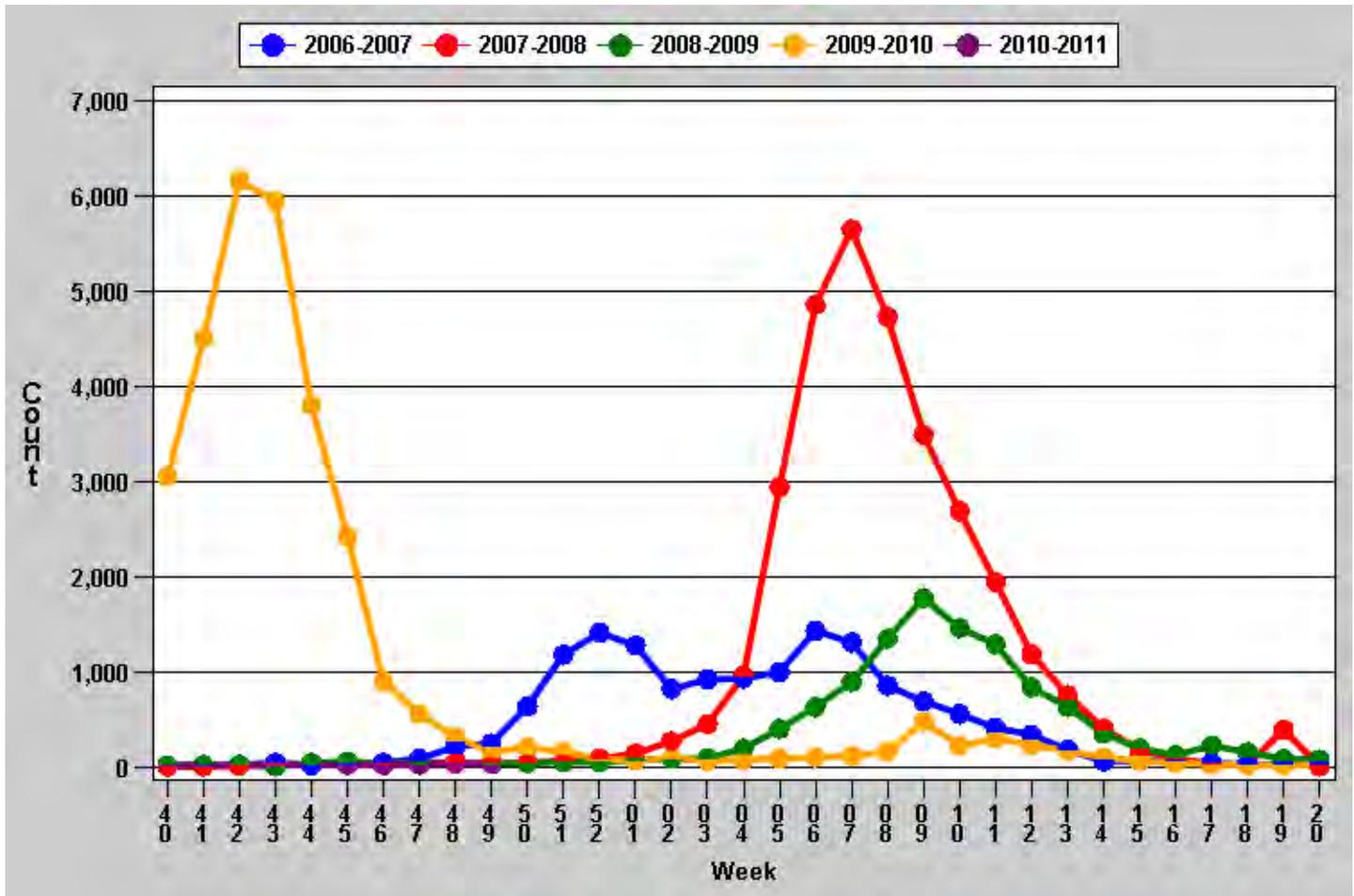
**Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending December 11, 2010 (Week 49)**

District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
<b>CE</b>	<b>15</b>	<b>30</b>	<b>( 50.0%)</b>
<b>EA</b>	<b>72</b>	<b>52</b>	<b>38.5%</b>
<b>NW</b>	<b>49</b>	<b>57</b>	<b>( 14.0%)</b>
<b>SE</b>	<b>9</b>	<b>61</b>	<b>( 85.2%)</b>
<b>SW</b>	<b>45</b>	<b>48</b>	<b>( 6.3%)</b>
<b>Total</b>	<b>190</b>	<b>279</b>	<b>( 31.9%)</b>

**Table 5. Deaths involving Pneumonia and Influenza (P&I)  
Reported During the Week Ending December 4, 2010 (Week 48)**

Week 48	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 48 Last Season	5 Year Weekly Median
94	799	675	45	38

**Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Four Influenza Seasons Through the Week Ending December 11, 2010 (Week 49)**



The number of reported influenza cases for week 49 of the 2010-2011 season is slightly below historic levels.

**Outbreaks/Closures of Influenza-like Illness:** No school closings have been reported for week 49 of the current season; no school closures were reported for this week last season. No outbreaks have been reported for week 49 of the current season; no outbreaks were reported for this week last season. No school closings or outbreaks have been reported season-to-date for the 2010-2011 season; fifty-seven school closings and thirteen outbreaks were reported for the same period (week 40-week 49) during the 2009-2010 season.

**Table 6. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County  
Influenza-like Illness (ILI) for the Week Ending December 11, 2010 (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								
Buchanan								
Butler								
Callaway	0	3	2	0	0	5	136	3.68
Cape Girardeau	0	0	0	0	0	0	105	0
Clay								
Cole								
Dallas	0	0	0	0	0	0	58	0
Franklin								
Greene								
Howell								
Iron								
Jackson	3	3	0	0	0	6	199	3.02
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	90	0
McDonald	0	0	0	0	0	0	323	0
Moniteau								
Nodaway								
Pettis								
Phelps								
Putnam								
Reynolds	0	0	0	0	0	0	41	0
Saline	2	3	0	1	0	6	177	3.39
St. Clair	0	0	0	0	0	0	50	0
St. Louis County								
State Total	5	9	2	1	0	17	1179	1.44

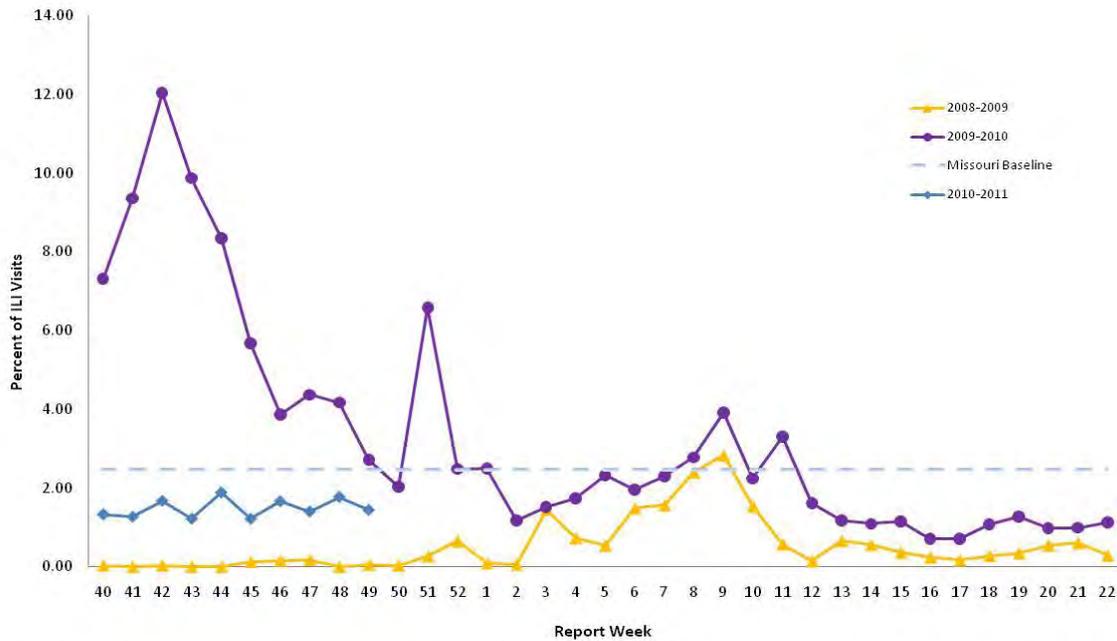
\*Only counties with sentinel provider(s) are listed above.

\*\*To learn about ILINet, view the following website: <http://www.cdc.gov/flu/weekly/fluactivity.htm>

\*\*\*This is **below** the national baseline of 2.5%.

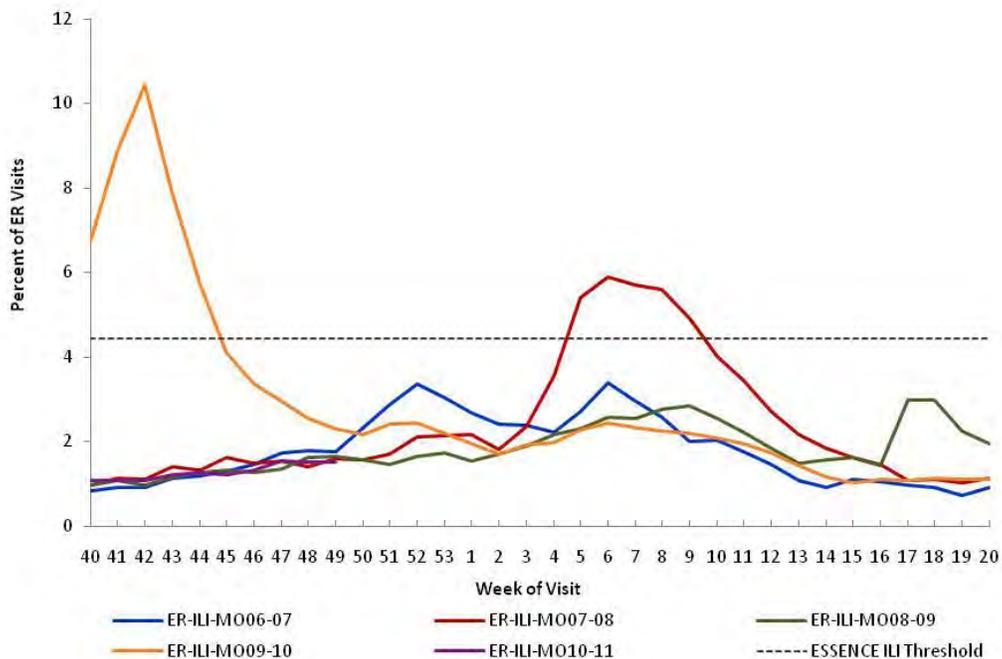
The state rate of 1.44% in week 49, is below Missouri's ILI baseline of 2.47%.

**Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending December 11, 2010 (Week 49)**



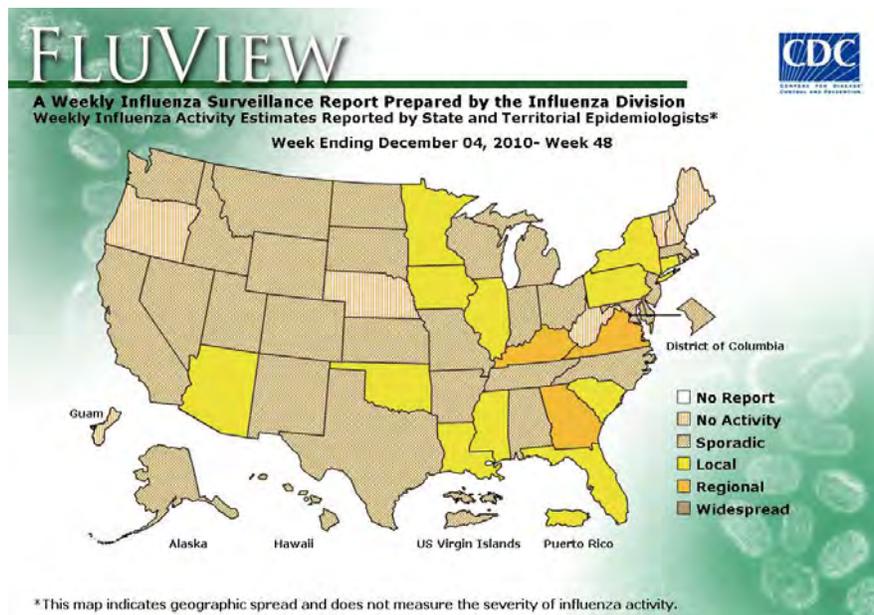
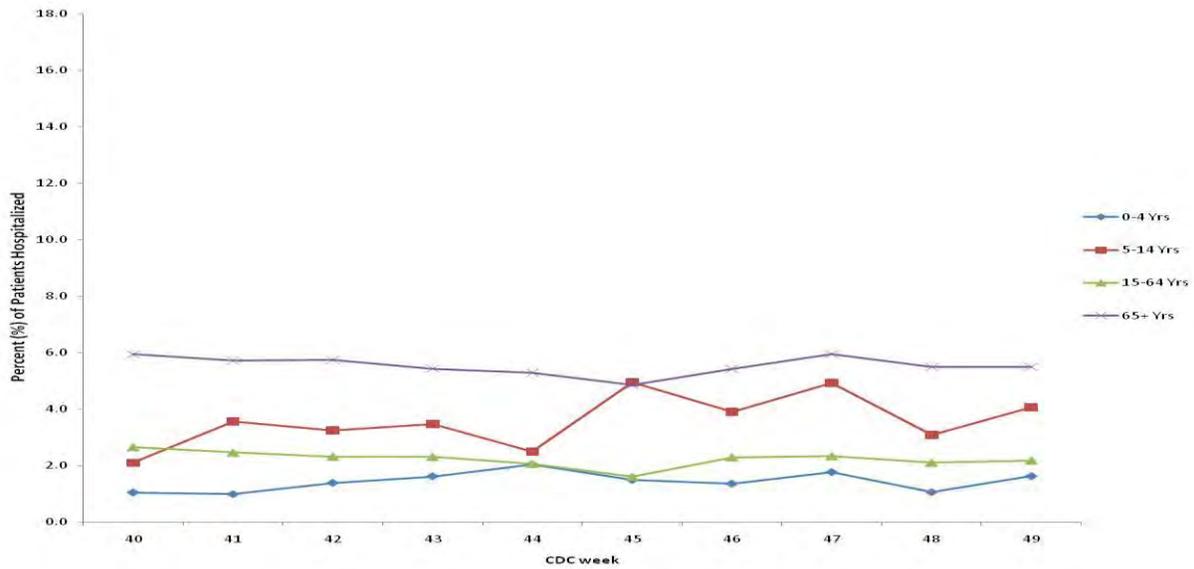
ILINet baseline refers to the mean plus two standard deviations of the values during previous influenza seasons (week 40-20).

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending December 11, 2010 (Week 49)**



\*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 December 11, 2010 (Week 49)**



For the week ending December 11, 2010 (week 49), Missouri reported **Sporadic** to the CDC. Sporadic activity is defined as no increase in influenza like-illness and isolated lab confirmed cases or an outbreak in one institution.

For the week ending December 4, 2010 (week 48), Flu View reported no states with widespread influenza activity. Three state reported regional influenza activity, twelve states reported local influenza activity, 29 states reported sporadic influenza activity and 6 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.

### **Find Us on the Web**

This report may also be found on the DHSS Internet at: <http://www.dhss.mo.gov/Influenza/index.html>.

National influenza surveillance information is available from the Centers for Disease Control and Prevention at: [www.cdc.gov/ncidod/diseases/flu/weekly.htm](http://www.cdc.gov/ncidod/diseases/flu/weekly.htm).

### **Contact Us**

The Missouri Department of Health and Senior Services after hours number for reporting disease cases and emergencies is **1-800-392-0272**.

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<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).