



# Missouri Weekly Influenza Report 2010-2011 Season<sup>1</sup>

**Missouri is reporting “Sporadic Activity” to the CDC for Week 17<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 April 30, 2011 (Week 17)**

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
<b>Week 17</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>0</b>	<b>33</b>

One specimen was received by the State Public Health Laboratory for viral testing during week 17, it was negative for influenza.

**Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending April 30, 2011 (Week 17)**

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
<b>Influenza A</b>	<b>10,509</b>	<b>9,130</b>	<b>15.1%</b>
<b>Influenza B</b>	<b>6,311</b>	<b>2,200</b>	<b>186.9%</b>
<b>Influenza Unknown Or Untyped</b>	<b>802</b>	<b>2,831</b>	<b>( 71.7%)</b>
<b>Total</b>	<b>17,622</b>	<b>14,802</b>	<b>19.1%</b>

**Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending April 30, 2011 (Week 17)**

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
<b>00-&lt;02</b>	<b>1,586</b>	<b>1,698</b>	<b>( 6.6%)</b>
<b>02-04</b>	<b>2,477</b>	<b>2,496</b>	<b>( 0.8%)</b>
<b>05-14</b>	<b>5,581</b>	<b>6,445</b>	<b>( 13.4%)</b>
<b>15-24</b>	<b>2,648</b>	<b>2,140</b>	<b>23.7%</b>
<b>25-49</b>	<b>3,499</b>	<b>2,190</b>	<b>59.8%</b>
<b>50-64</b>	<b>1,012</b>	<b>930</b>	<b>8.8%</b>
<b>65+</b>	<b>819</b>	<b>356</b>	<b>130.1%</b>
<b>Total</b>	<b>17,622</b>	<b>14,802</b>	<b>19.1%</b>

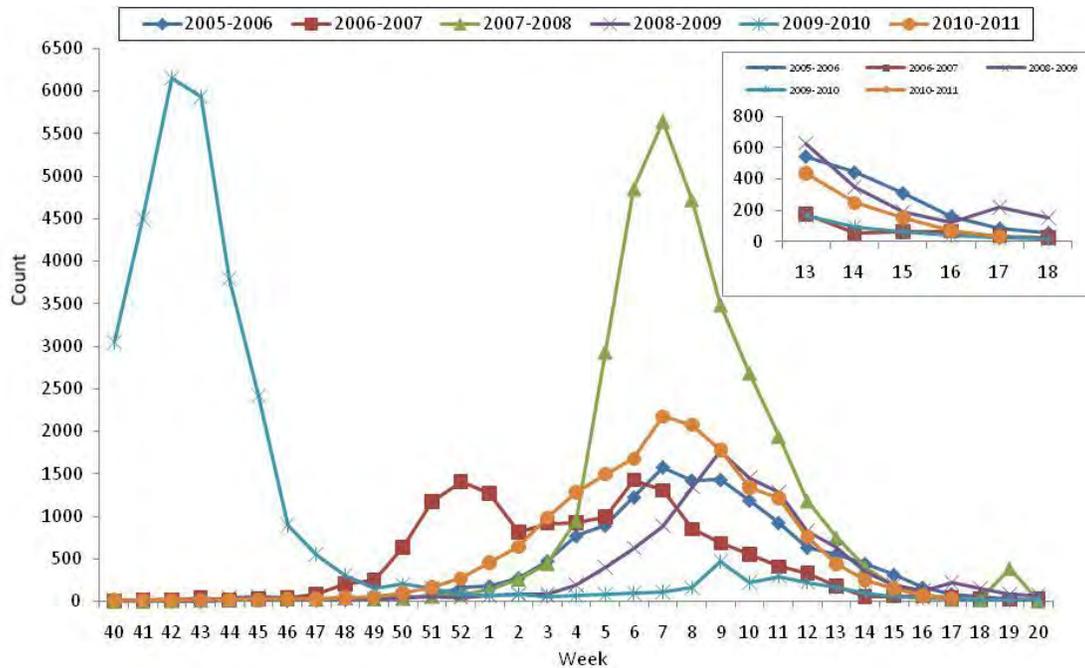
**Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending April 30, 2011 (Week 17)**

District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
<b>CE</b>	<b>1,794</b>	<b>1,871</b>	<b>( 4.1%)</b>
<b>EA</b>	<b>4,845</b>	<b>4,472</b>	<b>8.3%</b>
<b>NW</b>	<b>4,473</b>	<b>4,006</b>	<b>11.7%</b>
<b>SE</b>	<b>2,760</b>	<b>1,786</b>	<b>54.5%</b>
<b>SW</b>	<b>3,750</b>	<b>3,630</b>	<b>3.3%</b>
<b>Total</b>	<b>17,622</b>	<b>14,802</b>	<b>19.1%</b>

**Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending April 23, 2011 (Week 16)**

Week 16	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 16 Last Season	5 Year Weekly Median
117	2,720	1,874	67	77

**Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending April 30, 2011 (Week 17)**



The number of reported influenza cases for week 17 of the 2010-2011 season is following historical trends. The 2007-2008 season has higher case counts due to the mismatch of the vaccine and the circulating influenza strain.

**Table 6: Outbreaks/Closures Due to Influenza-like Illness**

	Outbreaks		Closures	
	Current Season 2010-2011	Previous Season 2009-2010	Current Season 2010-2011	Previous Season 2009-2010
Week 17	0	0	0	0
Season-to-date (Week 40-Week 17)	5	14	0	58

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County  
Influenza-like Illness (ILI) for the Week Ending April 30, 2011 (Week 17)**

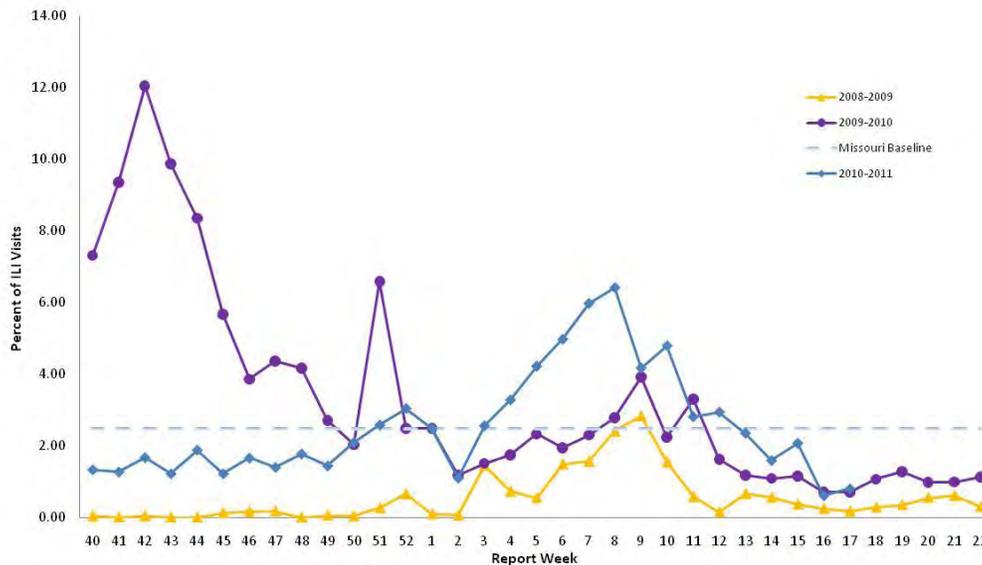
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone	0	0	0	0	0	0	682	0
Buchanan								
Butler								
Callaway								
Cape Girardeau								
Clay								
Cole	5	3	3	1	1	13	695	1.87
Greene								
Howell								
Iron								
Jackson	8	6	8	0	0	22	2847	0.77
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	92	0
McDonald	0	0	0	0	0	0	338	0
Moniteau	0	0	0	0	0	0	144	0
Nodaway								
Pettis								
Phelps								
Putnam	2	1	2	0	0	5	162	3.09
Reynolds								
Saline								
St. Clair	0	0	0	0	0	0	59	0
State Total	15	10	13	1	1	40	5019	0.80

\*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%.

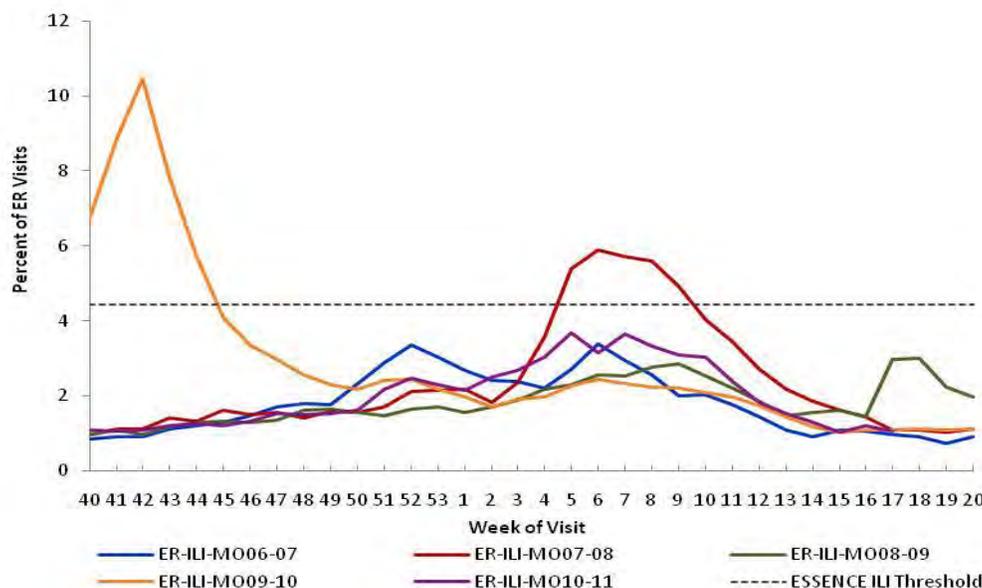
**Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending April 30, 2011 (Week 17)**



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

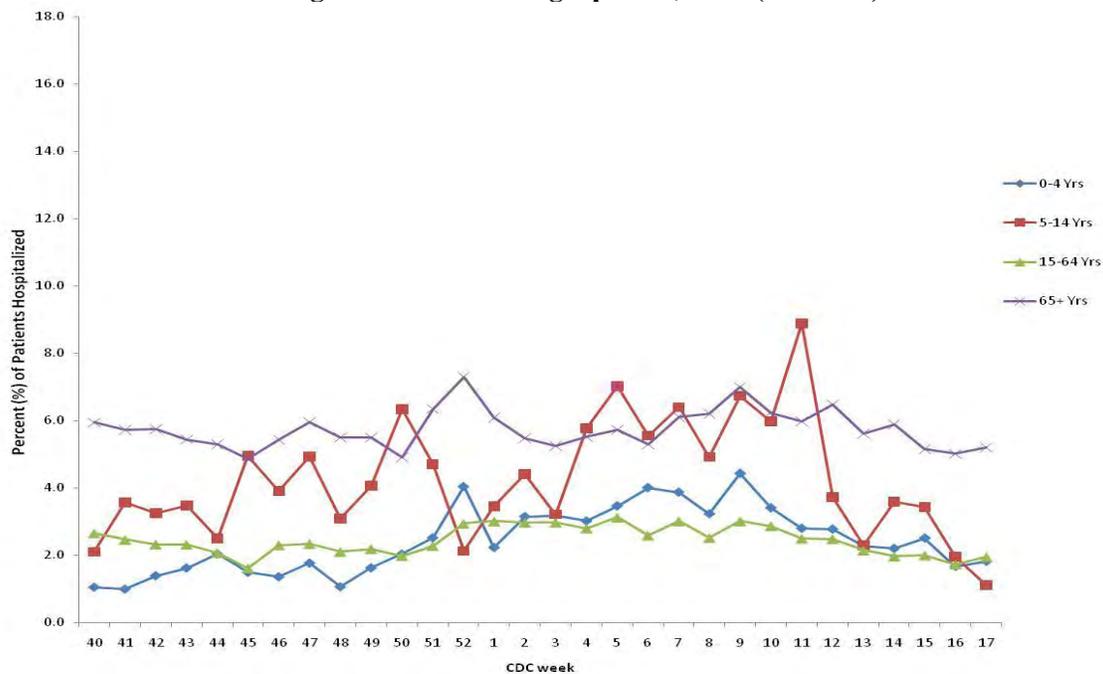
The proportion of patient visits for influenza-like illness has increased from 0.61% for week 16 to 0.80% for the week ending April 30, 2011 (week 17), as reported by ILINet in Missouri. This is below Missouri’s baseline of 2.47%.

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending April 30, 2011 (Week 17)**

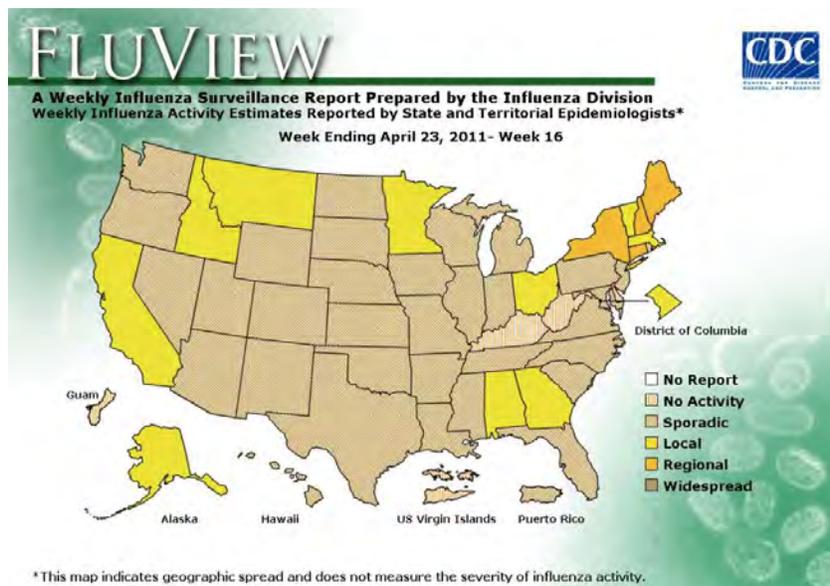


\*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

**Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending April 30, 2011 (Week 17)**



The 0-4 age group has increased to 1.82% in Week 17. The 15-64 age group has also increased to 1.95% in Week 17. And the 65+ age group has also increased to 5.21. The 5-14 age group has decreased in Week 17.



For the week ending April 30, 2011 (Week 17), Missouri reported **Sporadic** activity to the CDC. Sporadic activity is defined as no increase in influenza-like illness activity, and isolated lab confirmed cases of influenza or a lab confirmed outbreak in a single institution in the state.

For the week ending April 23, 2011 (Week 16), Flu View reported no states with widespread influenza activity; four states reported regional influenza activity; ten states reported local influenza activity; thirty two states reported sporadic influenza activity and four states reported no influenza 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**.

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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).