



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

Missouri is reporting “Sporadic” to the CDC for Week 50<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 18, 2010 (Week 50)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 50	44	0	1	0	5	1	51

One PCR and/or culture confirmed type A (H1N1) case has been reported for week 50.

A total of two specimens were received by the State Public Health Laboratory for viral testing during week 50. One (50%) was positive for 2009 Influenza A (H1N1).

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending December 18, 2010 (Week 50)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	200	189	5.8%
Influenza B	44	97	( 54.6%)
Influenza Unknown Or Untyped	4	40	( 90.0%)
Total	248	315	( 21.3%)

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending December 18, 2010 (Week 50)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	28	25	12.0%
02-04	26	28	( 7.1%)
05-14	46	53	( 13.2%)
15-24	38	32	18.8%
25-49	66	117	( 43.6%)
50-64	22	38	( 42.1%)
65+	22	34	( 35.3%)
Total	248	315	( 21.3%)

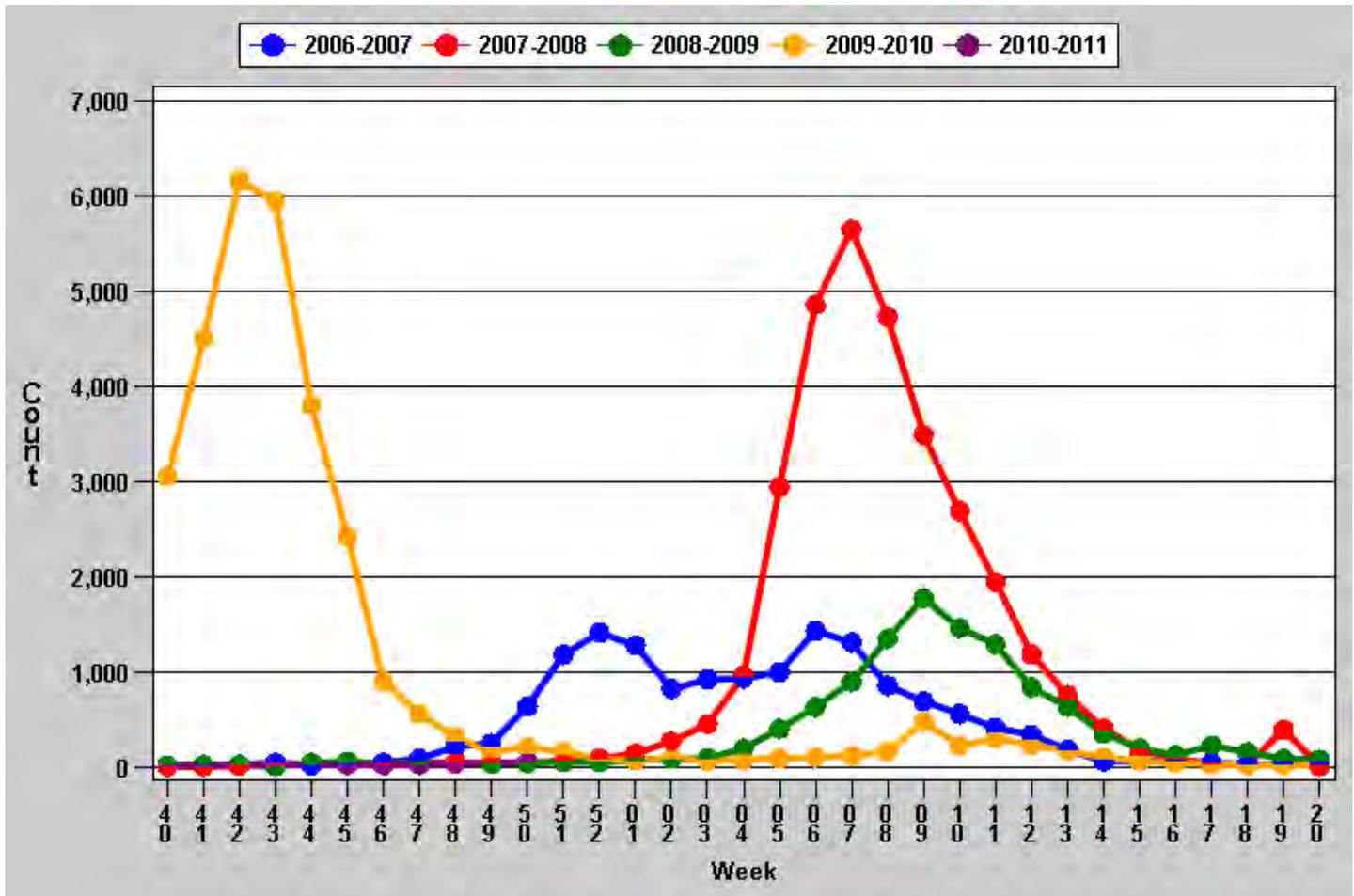
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending December 18, 2010 (Week 50)

District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	16	41	( 61.0%)
EA	112	65	72.3%
NW	55	62	( 11.3%)
SE	12	128	( 90.6%)
SW	53	72	( 26.4%)
Total	248	315	( 21.3%)

**Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending December 11, 2010 (Week 49)**

Week 49	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 49 Last Season	5 Year Weekly Median
93	892	740	64	64

**Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Four Influenza Seasons Through the Week Ending December 18, 2010 (Week 50)**



The number of reported influenza cases for week 50 of the 2010-2011 season is slightly below historic levels.

**Outbreaks/Closures of Influenza-like Illness:** No school closings have been reported for week 50 of the current season; no school closures were reported for this week last season. No outbreaks have been reported for week 50 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 50) 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 18, 2010 (Week 50)**

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								
Cape Girardeau	0	0	0	0	0	0	72	0
Clay	0	0	0	0	0	0	169	0
Cole	8	5	7	1	5	26	708	3.67
Dallas								
Franklin								
Greene								
Howell								
Iron	0	0	0	0	0	0	23	0
Jackson	14	27	8	6	2	57	2546	2.24
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	80	0
McDonald	0	0	0	0	0	0	195	0
Moniteau	0	0	0	0	0	0	141	0
Nodaway								
Pettis								
Phelps								
Putnam								
Reynolds	0	0	0	0	0	0	45	0
Saline	3	2	0	0	0	5	157	3.18
St. Clair	0	0	0	0	0	0	68	0
St. Louis County								
<b>State Total</b>	<b>25</b>	<b>34</b>	<b>15</b>	<b>7</b>	<b>7</b>	<b>88</b>	<b>4204</b>	<b>2.09</b>

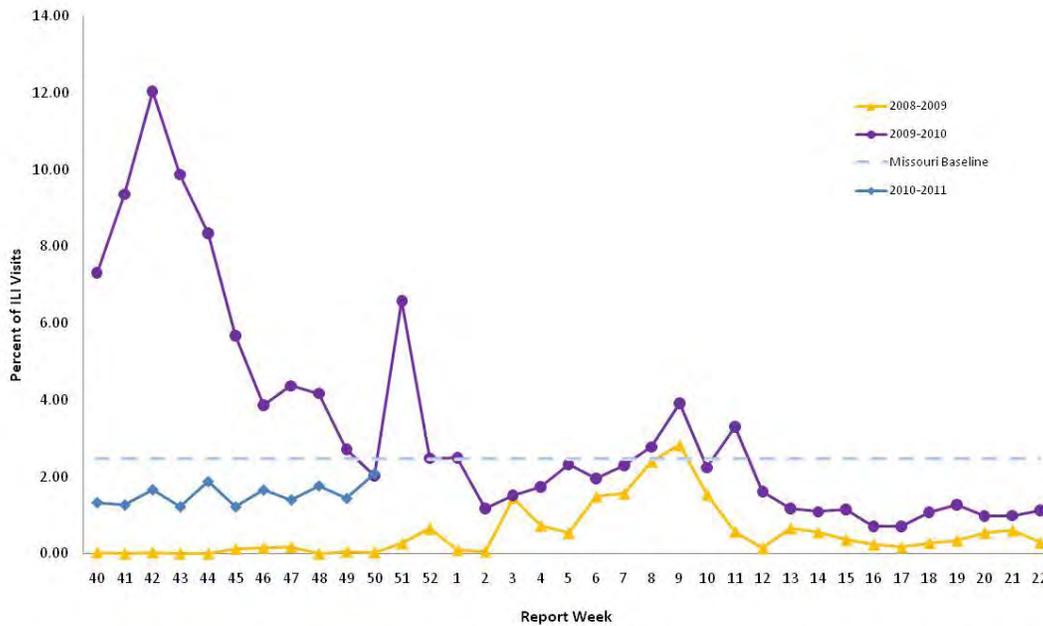
\*Only counties with sentinel provider(s) are listed above.

\*\*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%.

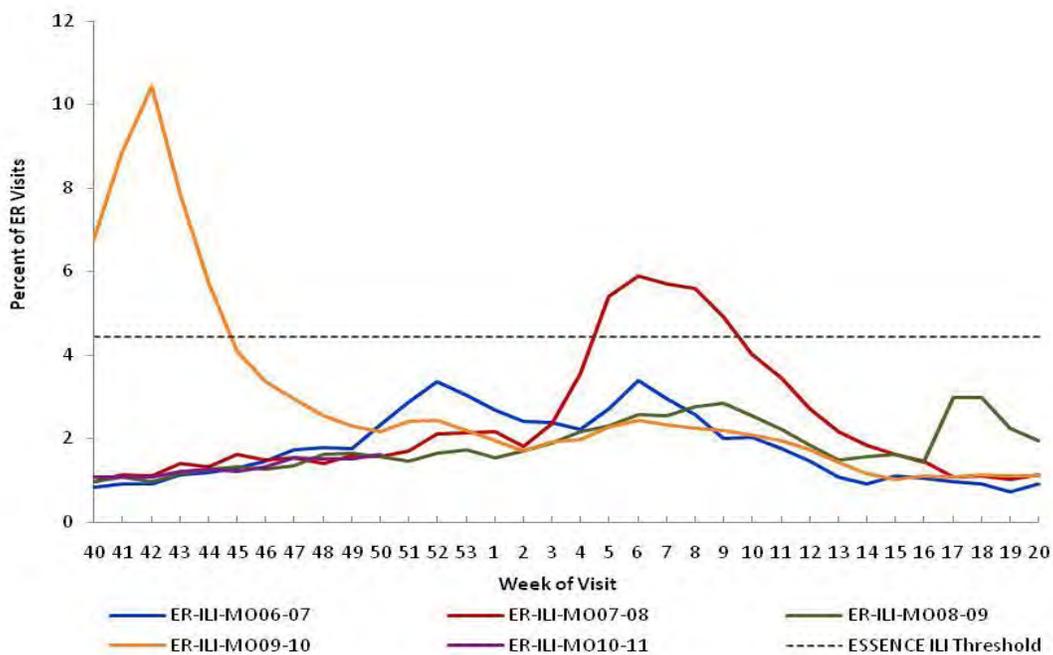
The state rate of 2.09% for week 50 is below Missouri's ILI baseline of 2.47%.

**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 18, 2010 (Week 50)**



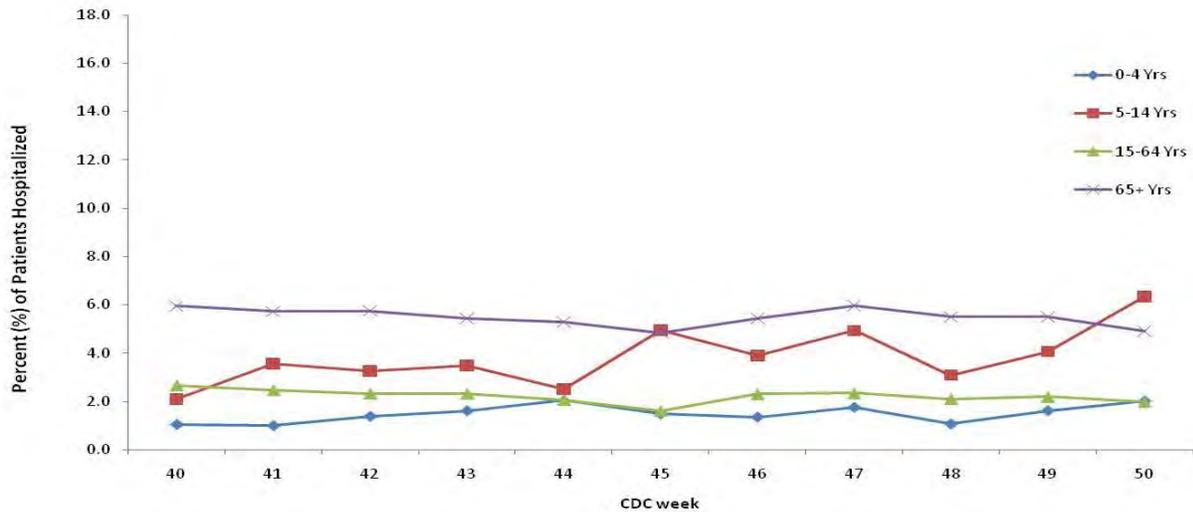
ILINet baseline refers to the mean plus two standard deviations of the values during previous influenza seasons (week 40-20).

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending December 18, 2010 (Week 50)**

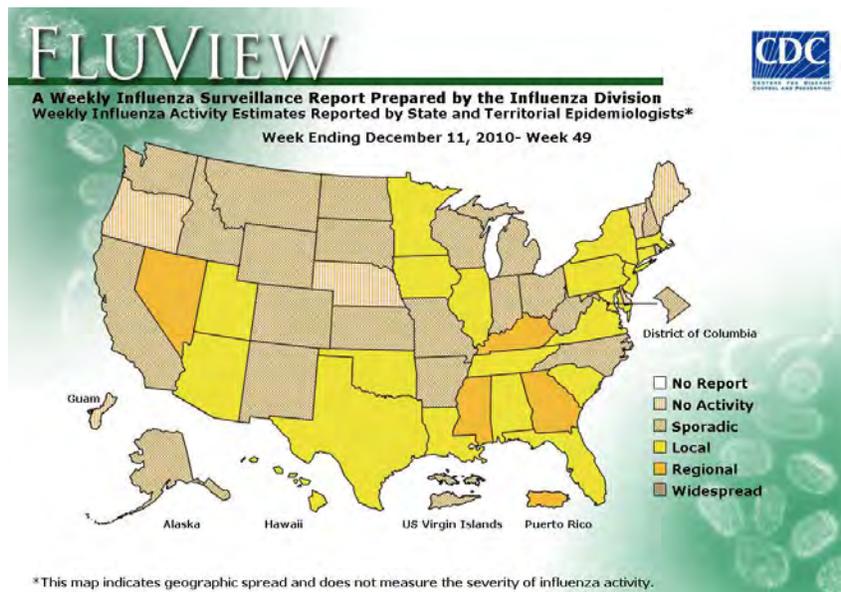


\*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

**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 18, 2010 (Week 50)**



The 65 and older age group has decreased to 4.9% in Week 50, and has also dipped below the 5-14 year age group for the first time in five weeks. The 5-14 year age group has increased for the past three weeks and is now at 6.34% in Week 50.



For the week ending December 18, 2010 (week 50), 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 11, 2010 (week 49), Flu View reported no states with widespread influenza activity. Four state reported regional influenza activity, 20 states reported local influenza activity, 21 states reported sporadic influenza activity and five 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).