



# Missouri Weekly Influenza Report 2010-2011 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 January 1, 2011 (Week 52)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 52	172	0	0	0	23	1	196

A total of three specimens were received by the State Public Health Laboratory for viral testing during week 52. All were negative.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending January 1, 2011 (Week 52)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	521	296	76.0%
Influenza B	108	118	( 8.5%)
Influenza Unknown Or Untyped	8	77	( 89.6%)
Total	637	411	55.0%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending January 1, 2011 (Week 52)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	62	45	37.8%
02-04	69	49	40.8%
05-14	119	82	45.1%
15-24	120	45	166.7%
25-49	176	136	29.4%
50-64	48	65	( 26.2%)
65+	43	58	( 25.9%)
Total	637	411	55.0%

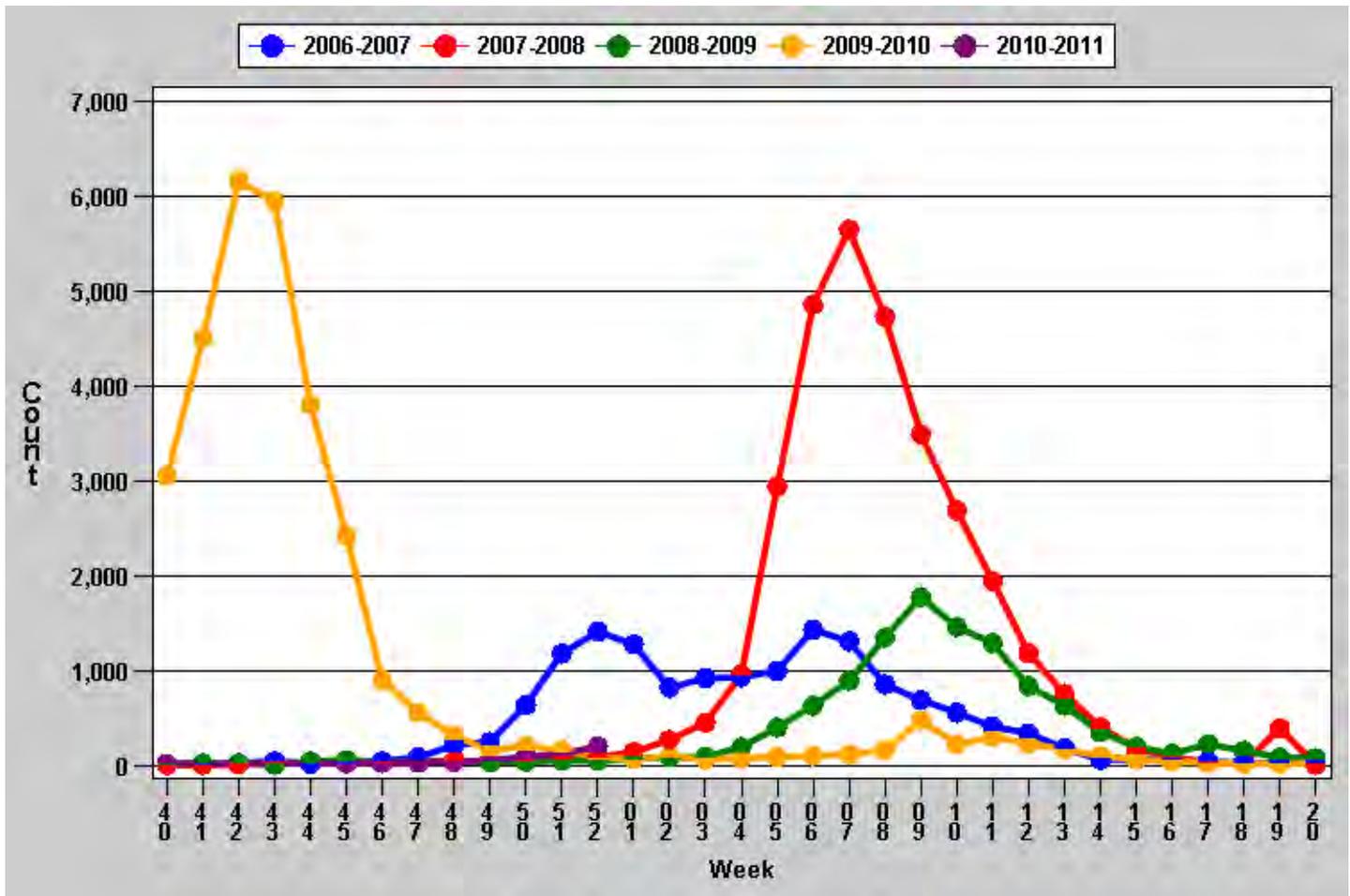
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending January 1, 2011 (Week 52)

District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	64	85	( 24.7%)
EA	366	113	223.9%
NW	89	100	( 11.0%)
SE	27	130	( 79.2%)
SW	91	226	( 59.7%)
Total	637	411	55.0%

**Table 5. Deaths involving Pneumonia and Influenza (P&I)  
Reported During the Week Ending December 25, 2010 (Week 51)**

Week 51	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 51 Last Season	5 Year Weekly Median
82	1062	835	46	66

**Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Four Influenza Seasons Through the Week Ending January 1, 2011 (Week 52)**



The number of reported influenza cases for week 52 of the 2010-2011 season is above historic levels.

**Outbreaks/Closures of Influenza-like Illness:** No school closings have been reported for week 52 of the current season; no school closures were reported for this week last season. No outbreaks have been reported for week 52 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 52) 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 January 1, 2011 (Week 52)**

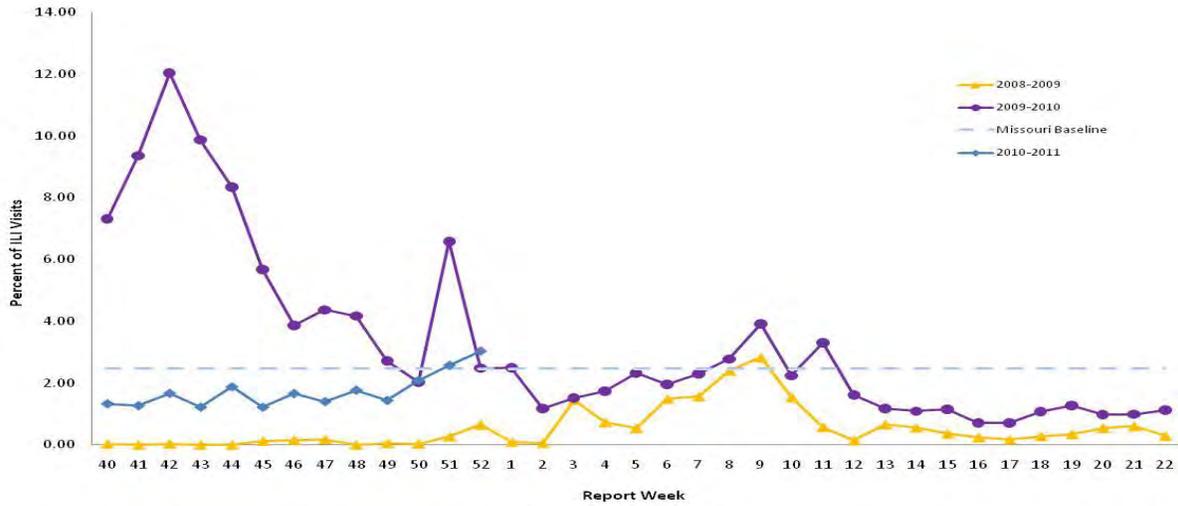
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Buchanan								
Butler								
Callaway								
Cape Girardeau								
Clay	0	0	0	0	0	0	164	0
Cole	14	12	12	6	8	52	700	7.43
Dallas								
Franklin								
Greene	2	0	0	1	0	3	194	1.55
Howell								
Iron								
Jackson	33	15	16	6	6	76	2852	2.66
Kansas City								
Knox								
Lawrence	0	0	0	0	0	0	24	0
Marion	0	0	0	0	0	0	92	0
McDonald	0	0	0	0	0	0	238	0
Moniteau								
Nodaway								
Pettis								
Phelps								
Putnam								
Reynolds	1	0	0	0	0	1	53	1.89
Saline								
St. Clair	0	0	0	0	0	0	18	0
St. Louis County								
State Total	50	27	28	13	14	132	4335	3.04

\*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 **above** the national baseline of 2.5%.

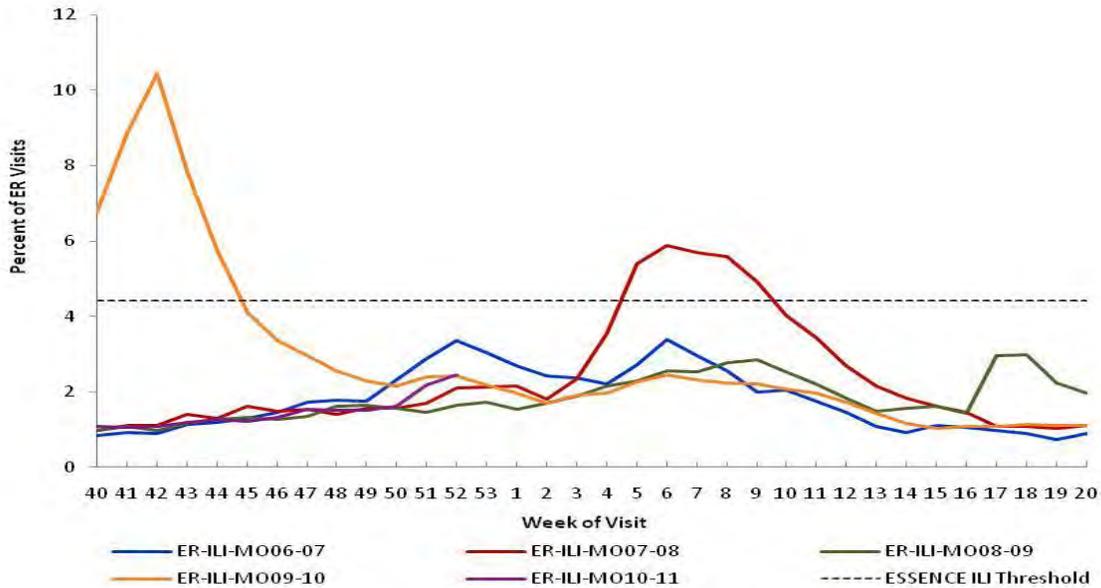
**Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending January 1, 2011 (Week 52)**



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

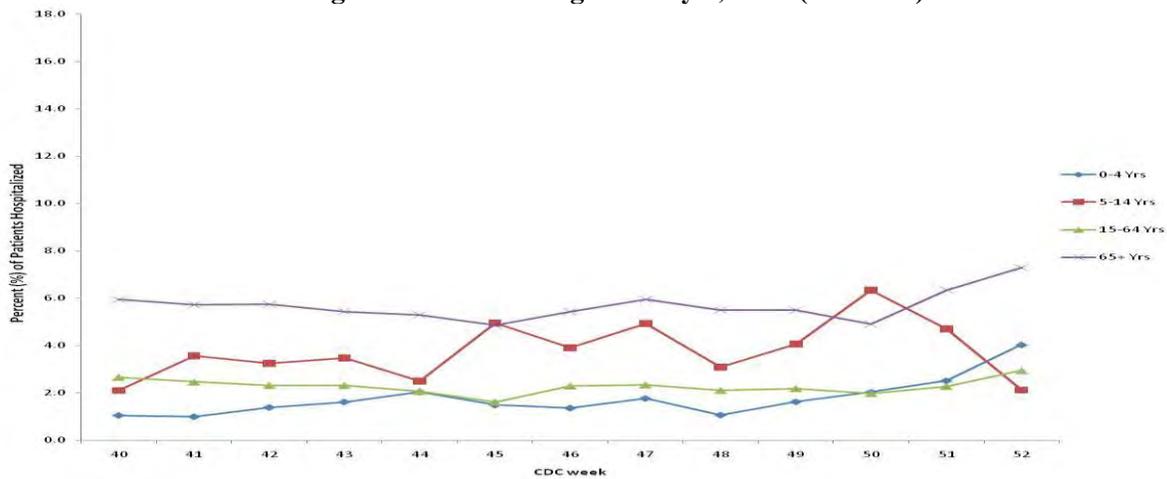
Since week ending December 17, 2010 (week 50) an upward trend has been observed for the percentage of patient visits for influenza-like-illness. For week ending January 1, 2011 (week 52) 3.04% was reported, which is above Missouri’s baseline of 2.47%.

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending January 1, 2011 (Week 52)**

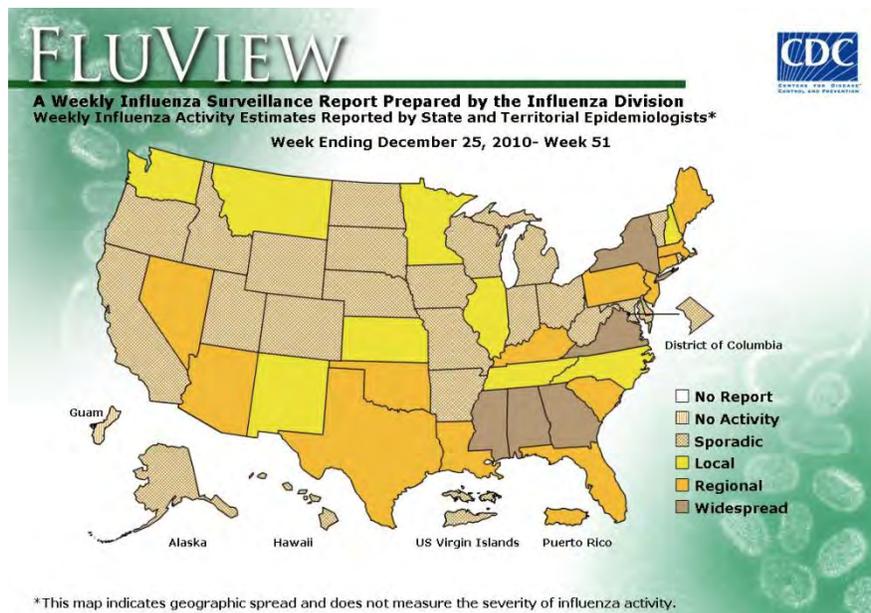


\*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

**Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending January 1, 2011 (Week 52)**



The 65 and older age group has increased to 7.29% in Week 52, after an upward trend for weeks 50 and 51. The 0-4 age group has increased to 4.03% in Week 52, after an upward trend for weeks 49, 50 and 51.



For the week ending January 1, 2011 (week 52), Missouri reported **Regional** to the CDC. Regional activity is defined as outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the regions of the state with recent laboratory evidence of influenza in those regions.

For the week ending December 25, 2010 (week 51), Flu View reported five states with widespread influenza activity. Thirteen states reported regional influenza activity, nine states reported local influenza activity, 23 states reported sporadic influenza activity and no 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).