



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

Missouri is reporting “Regional” to the CDC for Week 3<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 22, 2011 (Week 3)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 3	512	0	7	0	102	11	632

A total of nine specimens were received by the State Public Health Laboratory for viral testing during week 3. Seven were positive for 2009 Influenza A (H1N1) and one was positive for Influenza B.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending January 22, 2011 (Week 3)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	1,929	861	124.0%
Influenza B	322	167	92.8%
Influenza Unknown Or Untyped	59	352	( 83.2%)
Total	2,310	1,282	80.2%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending January 22, 2011 (Week 3)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	208	163	27.6%
02-04	321	148	116.9%
05-14	555	316	75.6%
15-24	387	212	82.5%
25-49	566	342	65.5%
50-64	167	118	41.5%
65+	106	154	( 31.2%)
Total	2,310	1,282	80.2%

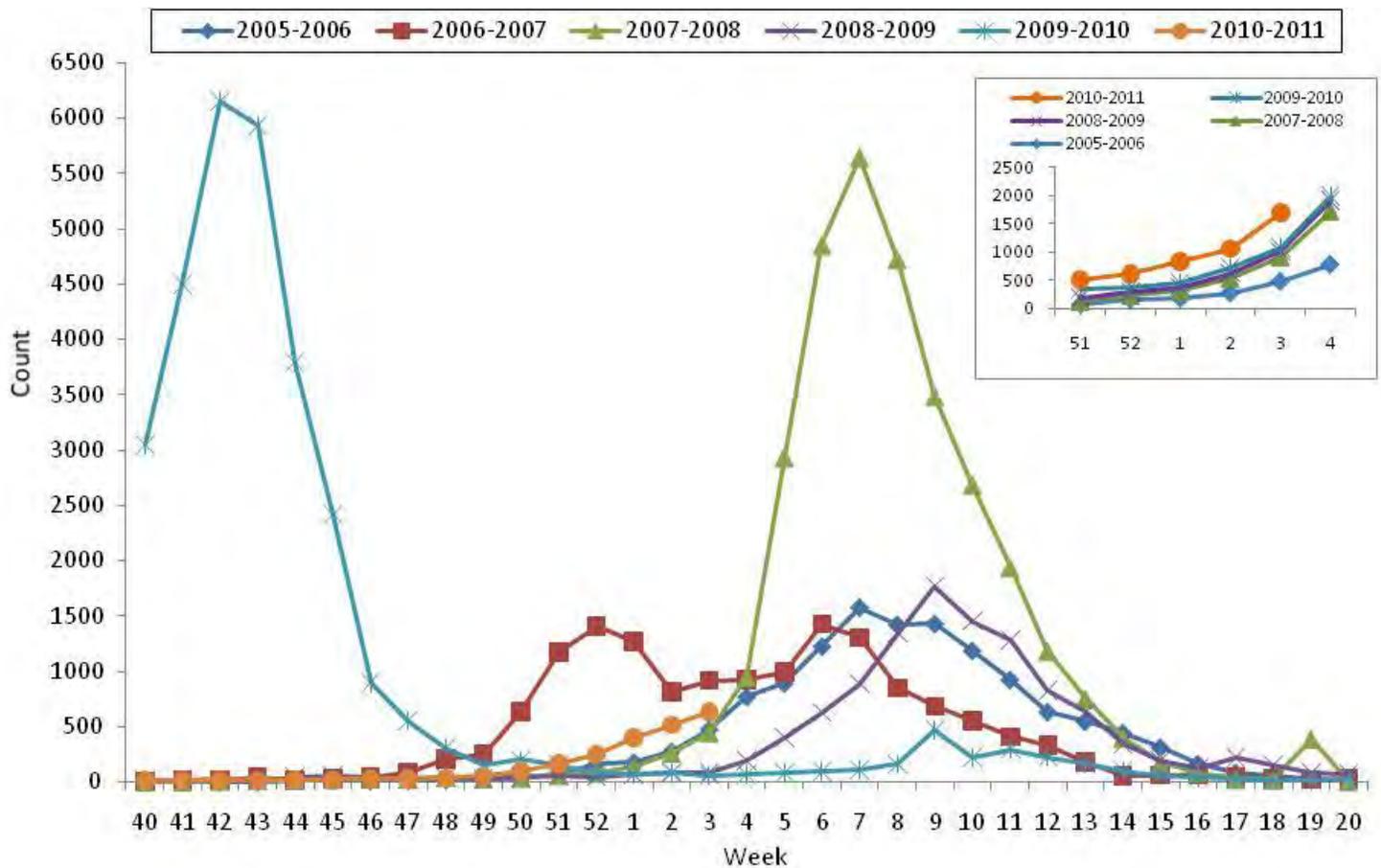
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending January 22, 2011 (Week 3)

District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	191	201	( 5.0%)
EA	1,310	416	214.9%
NW	265	587	( 54.9%)
SE	266	135	97.0%
SW	278	378	( 26.5%)
Total	2,310	1,282	80.2%

**Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending January 15, 2010 (Week 2)**

Week 2	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 2 Last Season	5 Year Weekly Median
56	1,318	1,069	101	100

**Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending January 22, 2011 (Week 3)**



The number of reported influenza cases for week 3 of the 2010-2011 season is slightly above historic levels. The inset above is a magnified view of week 51 through the current week.

**Outbreaks/Closures of Influenza-like Illness:** No school closings have been reported for week 3 of the current season; no school closures were reported for this week last season. No outbreaks have been reported for week 3 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 3) 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 22, 2011 (Week 3)**

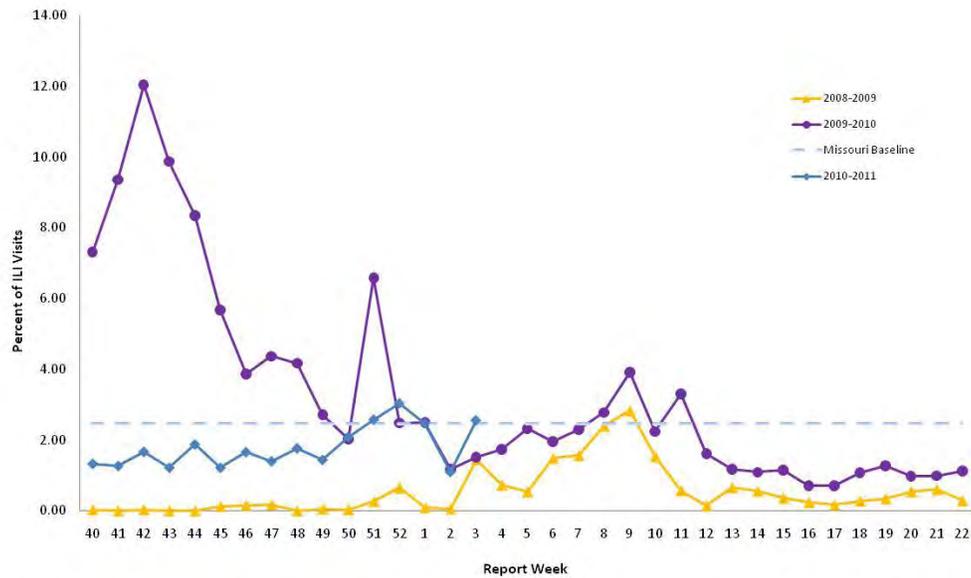
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone	0	10	2	0	0	12	630	1.9
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	58	0
Clay	0	0	0	0	0	0	145	0
Cole								
Dallas								
Franklin								
Greene								
Howell								
Iron								
Jackson	37	20	24	7	1	89	2,525	3.52
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	1	1	90	1.11
McDonald	1	3	1	0	0	5	236	2.12
Moniteau	0	0	0	0	0	0	121	0
Nodaway								
Pettis	2	1	3	0	0	6	319	1.88
Phelps	0	1	1	0	0	2	209	0.96
Putnam	0	1	0	0	0	1	193	0.52
Reynolds	0	2	0	0	0	2	44	4.55
Saline								
St. Clair	0	0	0	0	0	0	36	0
St. Louis County								
State Total	40	38	31	7	2	118	4,606	2.56

\*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%.

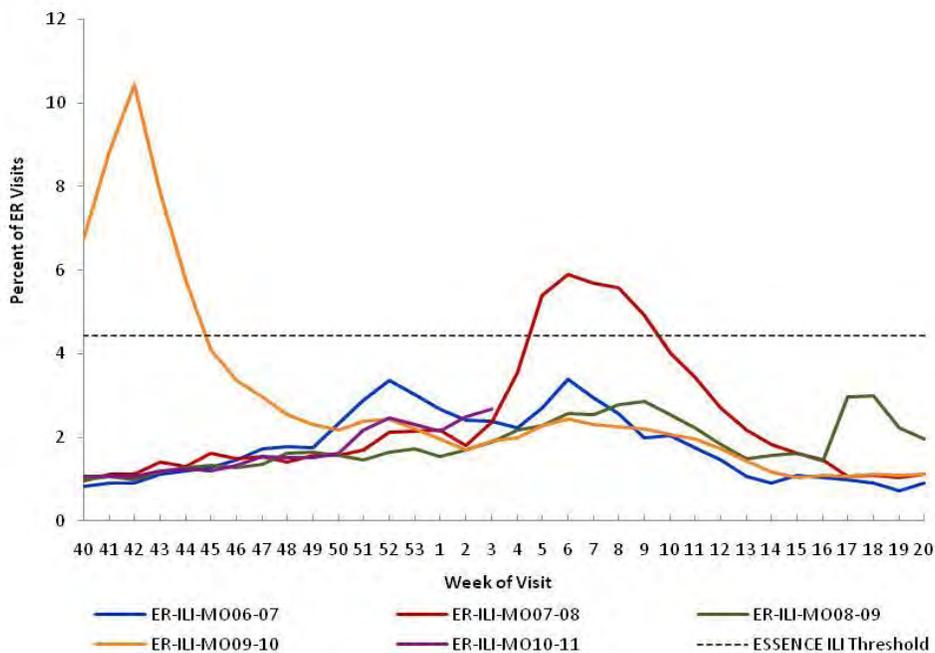
**Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending January 22, 2011 (Week 3)**



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

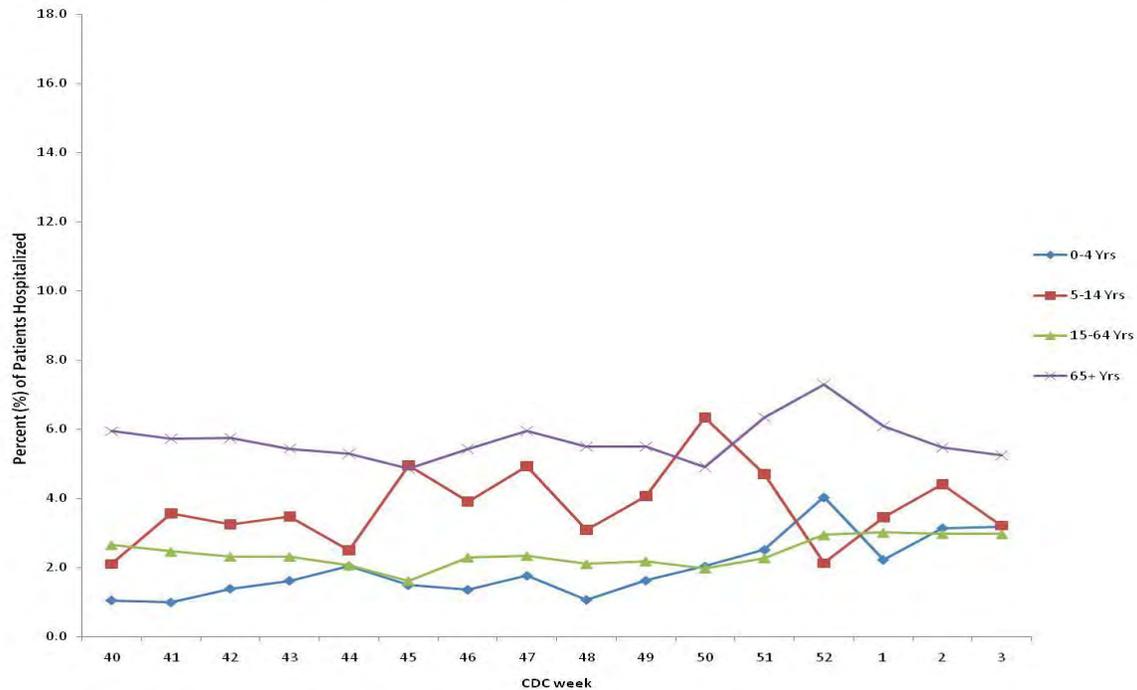
The proportion of patient visits for influenza-like illness was 2.56% for the week ending January 22, 2010 (week 3), as reported by ILINet in Missouri. This is above Missouri’s baseline of 2.47%.

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending January 22, 2011 (Week 3)**

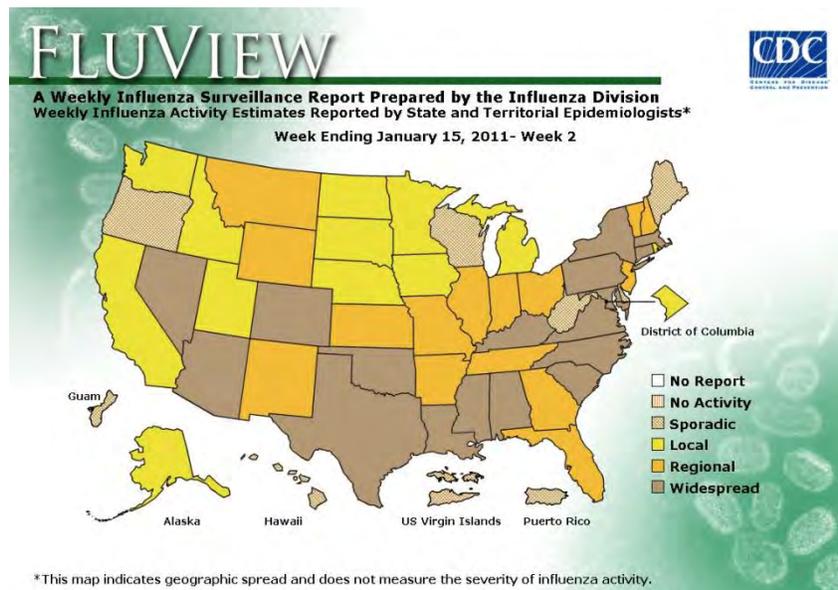


\*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

**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 22, 2011 (Week 3)**



The 65 and older age group has decreased to 5.25% in Week 3; this is the 3<sup>rd</sup> consecutive week there has been a decrease for this age group. The 5-14 age group has decreased to 3.22% in Week 3.



For the week ending January 22, 2011 (week 3), Missouri reported **Regional** activity 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 January 15, 2011 (week 2), Flu View reported seventeen states with widespread influenza activity; 15 states reported regional influenza activity; 12 states reported local influenza activity; and six states reported sporadic 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.

### 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).