



# Missouri Weekly Influenza Report 2011-2012 Season<sup>1</sup>

Missouri is reporting “Widespread” to the CDC for Week 9<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 March 3, 2012 (Week 9)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 9	1,714	0	0	18	54	29	1,815

A total of 21 specimens were received by the State Public Health Laboratory for viral testing during week 9. Eighteen were positive for Influenza A (H3) and three were negative for influenza.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending March 3, 2012 (Week 9)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	9,178	8,813	4.1%
Influenza B	508	1,742	( 70.8%)
Influenza Unknown Or Untyped	476	2,492	( 80.9%)
Total	10,162	13,375	( 24.0%)

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending March 3, 2012 (Week 9)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,000	1,559	( 35.9%)
02-04	1,819	2,309	( 21.2%)
05-14	3,671	4,802	( 23.6%)
15-24	793	2,073	( 61.7%)
25-49	1,602	2,747	( 41.7%)
50-64	627	763	( 17.8%)
65+	650	311	109.0%
Total	10,162	13,375	( 24.0%)

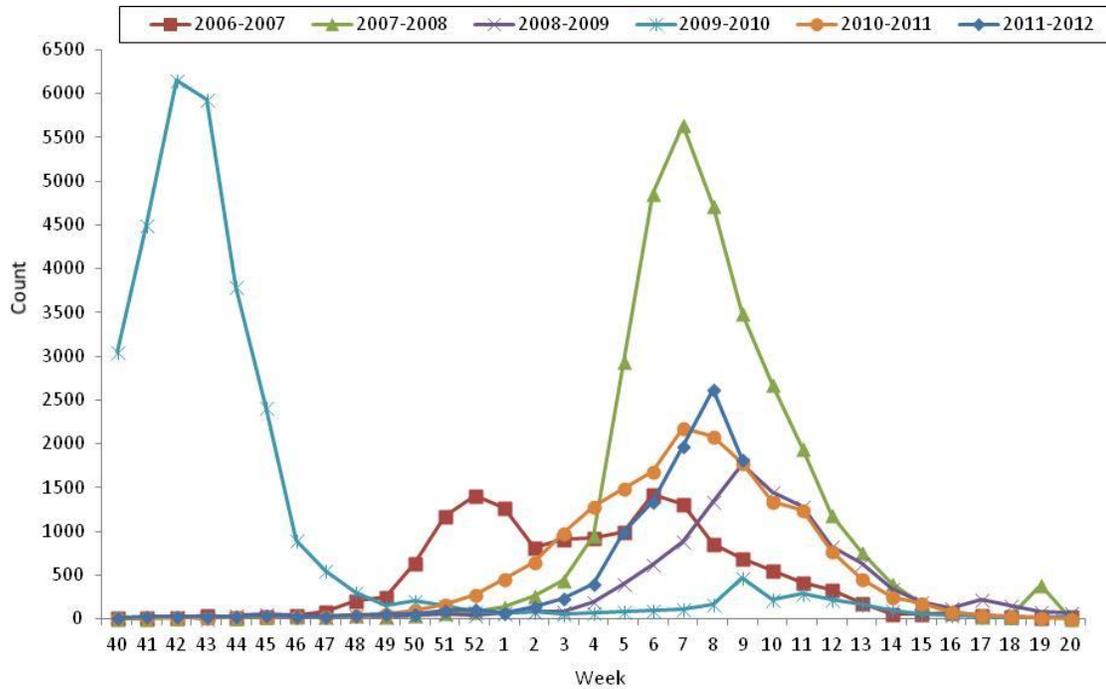
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending March 3, 2012 (Week 9)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	2,046	1,697	20.6%
EA	2,260	3,640	( 37.9%)
NW	4,685	3,638	28.8%
SE	371	1,767	( 79.0%)
SW	800	3,036	( 73.6%)
Total	10,162	13,375	( 24.0%)

**Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending February 25, 2012 (Week 8)**

Week 8	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 8 Last Season	5 Year Weekly Median
79	1,978	1,810	95	92

**Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending March 3, 2012 (Week 9)**



The number of reported influenza cases for week 9 of the 2011-2012 season is following historical trends.

**Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending March 3, 2012 (Week 9)**

	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
<b>Week 9</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>0</b>
<b>Season-to-Date (Week 40-Week 9)</b>	<b>7</b>	<b>5</b>	<b>9</b>	<b>0</b>

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County  
Influenza-like Illness (ILI) for the Week Ending March 3, 2012 (Week 9)**

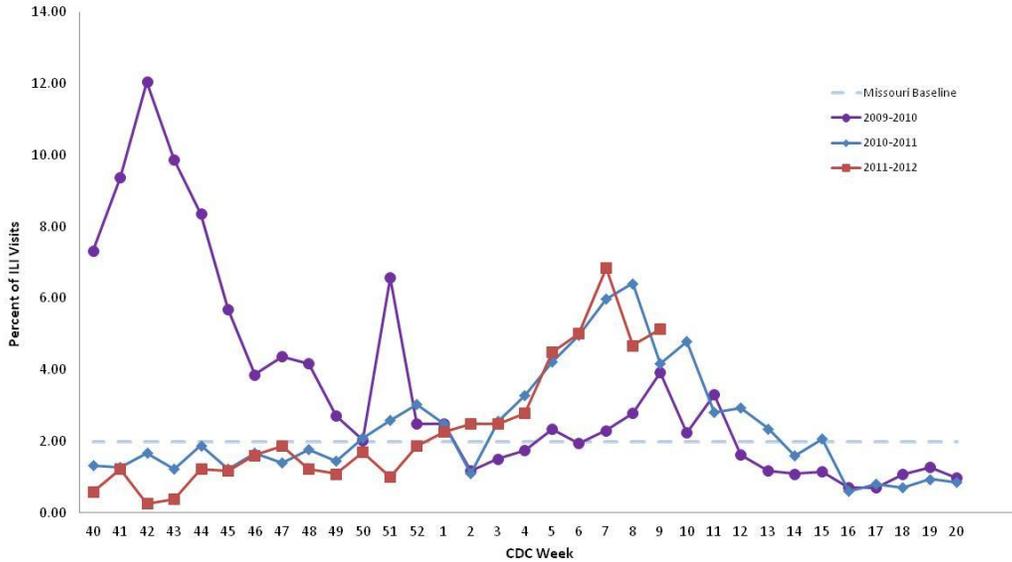
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Buchanan								
Butler								
Callaway	3	11	13	2	3	32	227	14.1
Cape Girardeau	0	4	0	0	0	4	73	5.48
Clay	0	0	0	1	0	1	208	0.48
Cole	28	21	24	14	13	100	722	13.85
Gasconade								
Greene								
Howell								
Iron								
Jackson	38	41	20	2	3	104	3095	3.36
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	1	1	75	1.33
McDonald	0	2	0	0	0	2	272	5.44
Moniteau								
Nodaway								
Pettis								
Phelps	0	5	0	0	0	5	281	1.78
Putnam	1	5	2	2	3	13	230	5.65
Reynolds								
Saline	2	8	4	2	0	16	194	8.25
St. Clair	0	0	0	0	0	0	33	0
State Total	72	97	63	23	23	278	5410	5.14

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

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

\*\*\*This is **above** the national baseline of 2.4%.

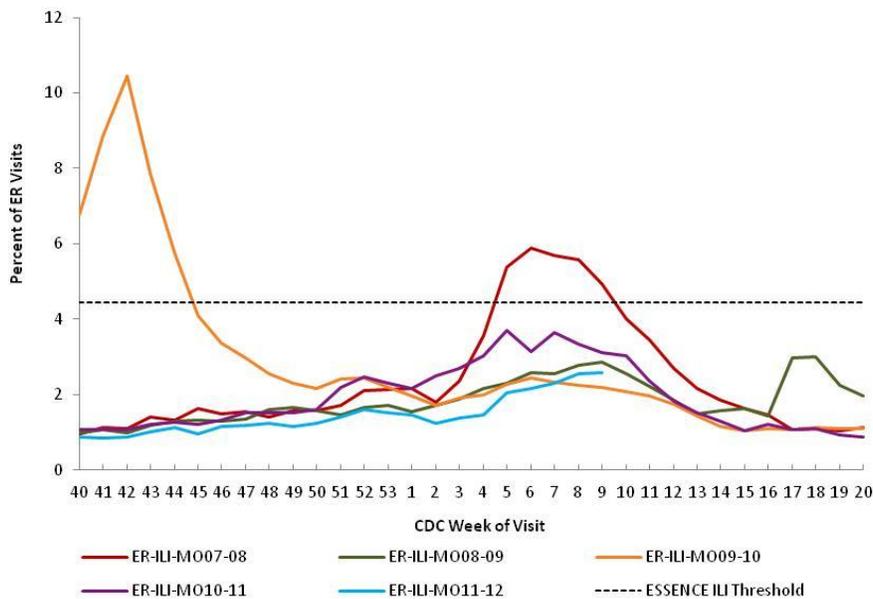
**Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending March 3, 2012 (Week 9)**



ILINet baseline refers to the mean plus two standard deviations of the values during previous influenza seasons (week 40-20, 2008-2009)

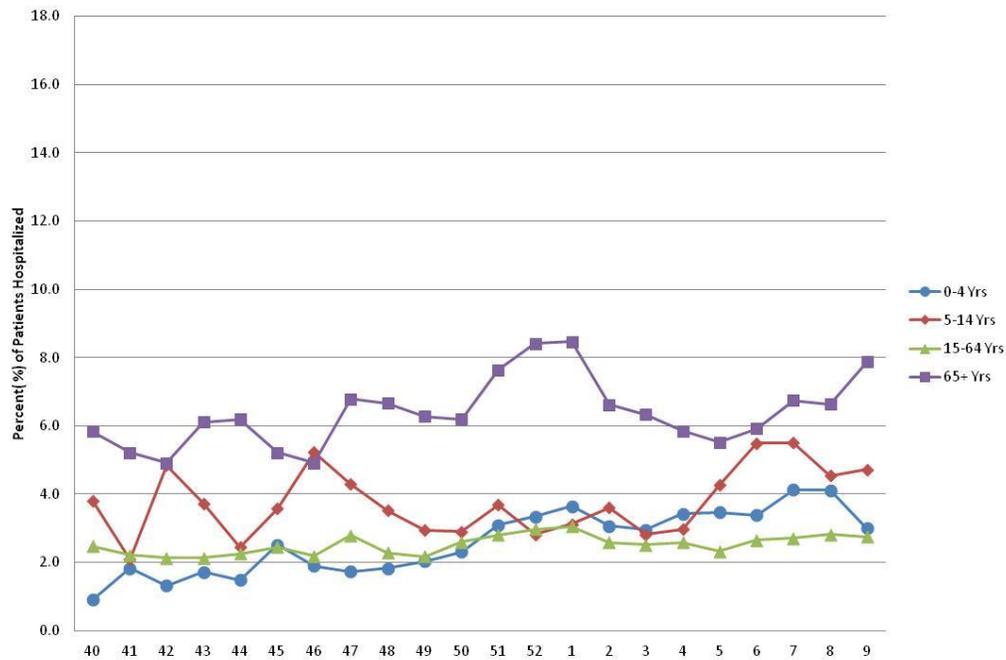
The proportion of patient visits for influenza-like illness is 5.14% for week ending March 3, 2012 (Week 9). This is above Missouri’s baseline of 1.98%.

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending March 3, 2012 (Week 9)**



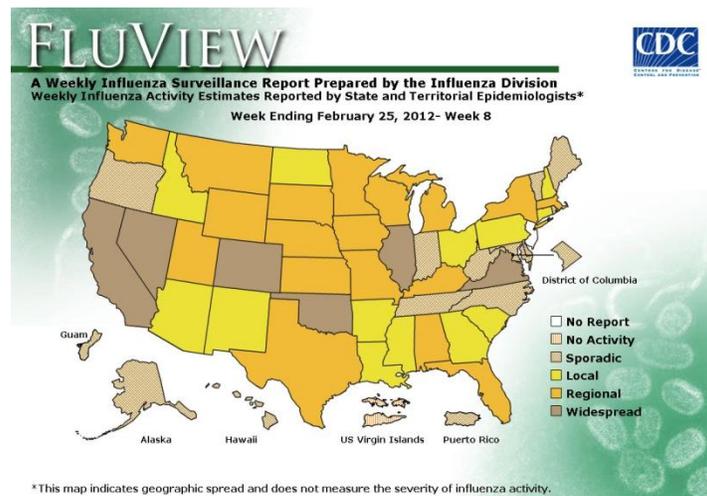
\*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

**Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending March 3, 2012 (Week 9)**



\*Please use caution when comparing current 2011-2012 influenza season inpatient hospitalization numbers to previous years due to major revisions to the inpatient database environment.

The 5-14 year age group has increased to 4.72% and the 65 and older age group has increased to 7.88% in Week 9. The 0-4 year age group has decreased to 2.99% and the 15-64 year age group has decreased to 2.75% in Week 9.



For the week ending March 3, 2012 (Week 9), Missouri reported **Widespread** to CDC. Widespread Activity is defined as: Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions **AND** recent (within the past 3 weeks) lab confirmed influenza in the state.

For the week ending February 25, 2012 (Week 8), Flu View reported six states with widespread influenza activity, 18 states reported regional influenza activity, 13 states reported local influenza activity, 12 states reported sporadic influenza activity, and one state did not report. 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).