



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

Missouri is reporting “Sporadic” to the CDC for Week 16<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 21, 2012 (Week 16)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 16	11	0	0	0	0	0	11

No specimens were received by the State Public Health Laboratory for viral testing during week 16.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending April 21, 2012 (Week 16)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	18,584	10,512	76.8%
Influenza B	947	3,667	( 74.2%)
Influenza Unknown Or Untyped	743	2,560	( 71.0%)
Total	20,274	17,696	14.6%

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending April 21, 2012 (Week 16)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,845	1,695	8.8%
02-04	3,434	2,495	37.6%
05-14	6,946	6,439	7.9%
15-24	1,677	2,658	( 36.9%)
25-49	3,444	3,502	( 1.7%)
50-64	1,333	1,018	30.9%
65+	1,595	351	354.4%
Total	20,274	17,696	14.6%

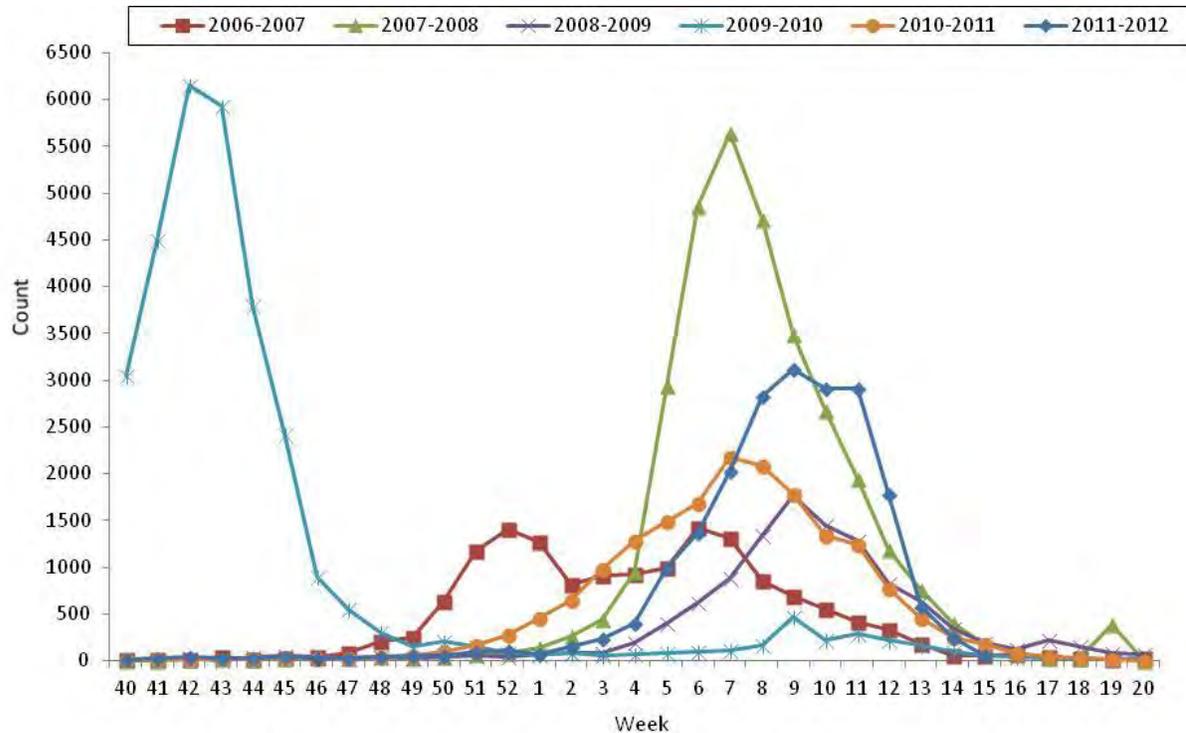
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending April 21, 2012 (Week 16)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	4,042	1,867	116.5%
EA	6,016	4,911	22.5%
NW	6,413	4,477	43.2%
SE	1,373	2,123	( 35.3%)
SW	2,430	3,752	( 35.2%)
Total	20,274	17,696	14.6%

**Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending April 14, 2012 (Week 15)**

Week 15	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 15 Last Season	5 Year Weekly Median
105	2,772	2,603	72	97

**Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending April 21, 2012 (Week 16)**



The number of reported influenza cases for week 16 of the 2011-2012 season is following historical trends.

**Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending April 21, 2012 (Week 16)**

	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
Week 16	0	0	0	0
Season-to-Date (Week 40-Week 16)	13	5	14	0

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County  
Influenza-like Illness (ILI) for the Week Ending April 21, 2012 (Week 16)**

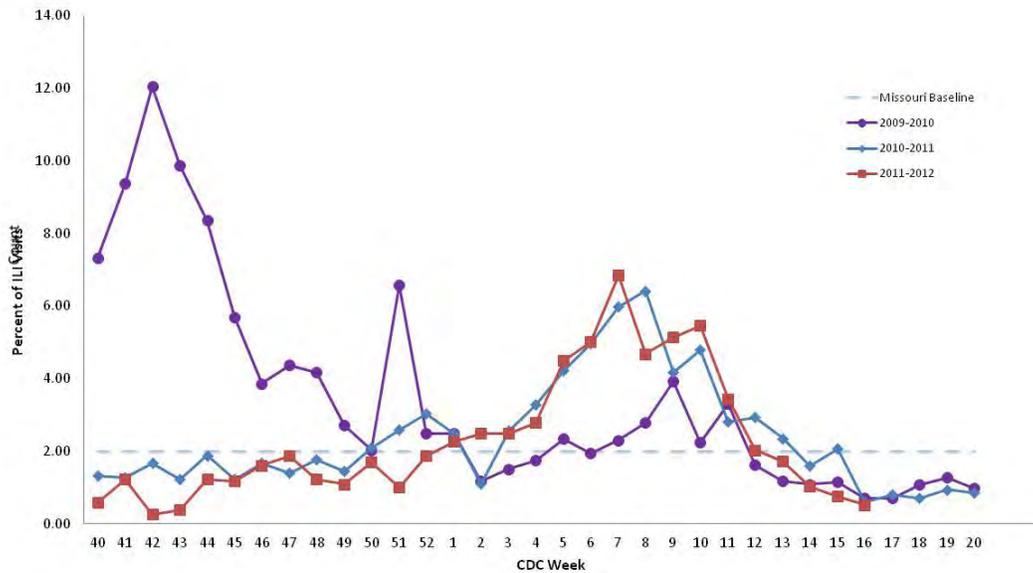
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair	0	1	0	0	0	1	181	0.55
Audrain								
Boone	0	0	0	0	0	0	693	0
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	64	0
Clay	0	0	0	0	0	0	220	0
Cole	6	3	2	2	0	13	632	2.06
Gasconade								
Greene								
Howell								
Iron								
Jackson	0	0	0	0	0	0	186	0
Kansas City								
Knox	0	0	0	0	0	0	82	0
Lawrence								
Marion	0	0	0	0	0	0	0	0
McDonald	0	0	0	0	0	0	302	0
Moniteau								
Nodaway								
Pettis								
Phelps	0	0	0	0	0	0	265	0
Putnam	0	0	0	0	0	0	196	0
Reynolds	0	1	0	0	0	1	46	2.17
Saline								
St. Clair								
<b>State Total</b>	<b>6</b>	<b>5</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>15</b>	<b>2867</b>	<b>0.52</b>

\*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 **below** the national baseline of 2.4%.

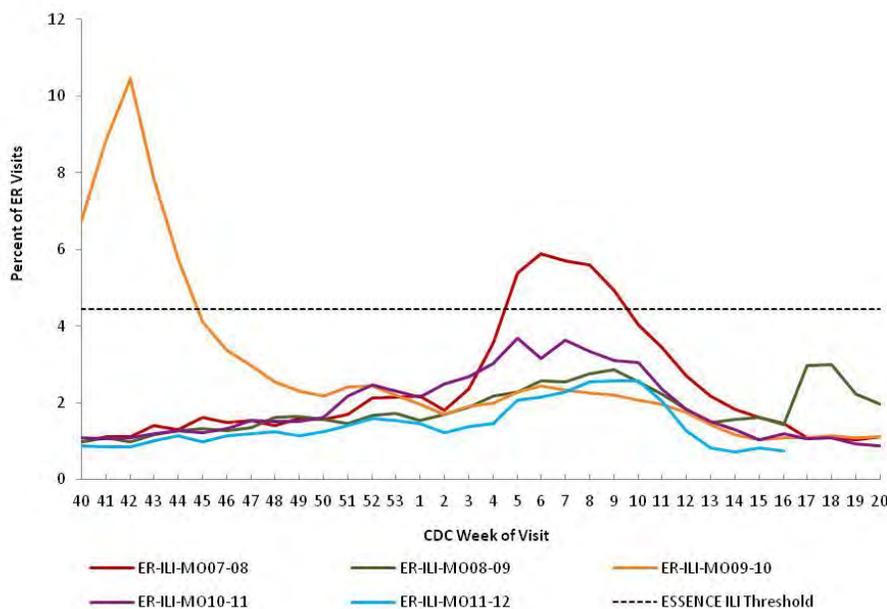
**Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending April 21, 2012 (Week 16)**



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

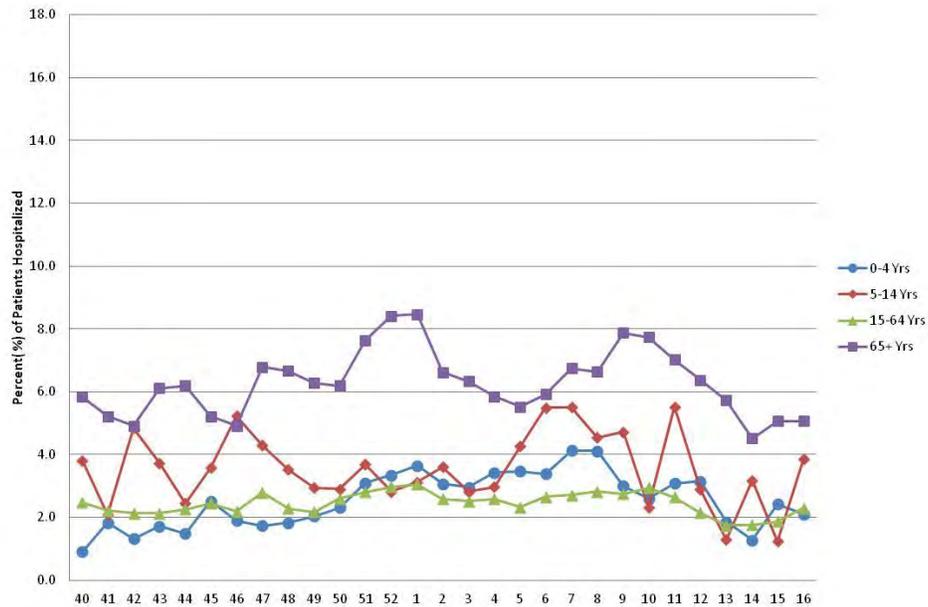
The proportion of patient visits for influenza-like illness is 0.52% for week ending April 21, 2012 (Week 16). This is below Missouri’s baseline of 1.98%.

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending April 21, 2012 (Week 16)**



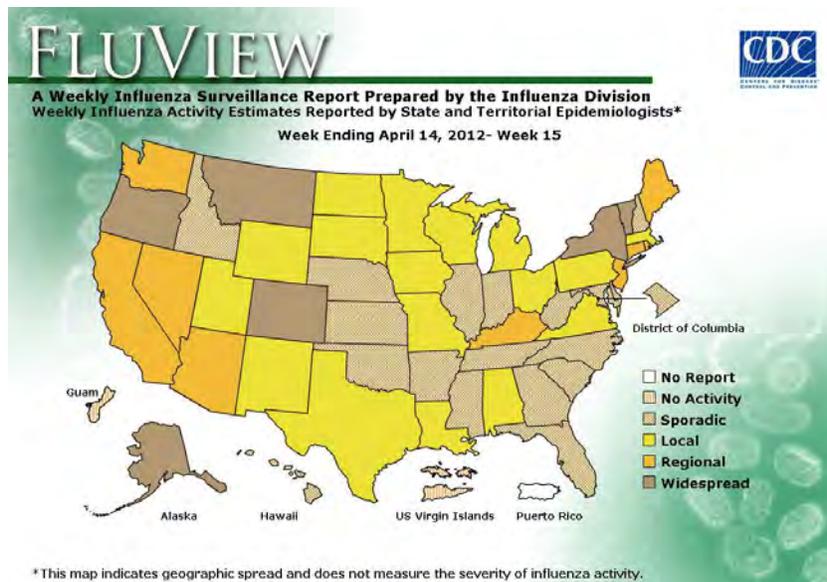
\*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

**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 21, 2012 (Week 16)**



\*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 age group has increased to 3.85% and the 15-64 age group has increased to 2.29% in Week 16. The 0-4 age group has decreased to 2.11% and the 65+ age group has slightly decreased to 5.07% in Week 16.



For the week ending April 21, 2012 (Week 16), Missouri reported **Sporadic** to the CDC. Sporadic is defined as: Isolated cases of lab confirmed influenza in the state; Influenza-Like-Illness (ILI) activity is not increased **OR** a lab confirmed outbreak in a single institution in the state; ILI activity is not increased.

For the week ending April 14, 2012 (Week 15), Flu View reported six states with widespread influenza activity, nine states reported regional influenza activity, 17 states reported local influenza activity, and 18 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.

## 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).