



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

Missouri is reporting “Sporadic” to the CDC for Week 18<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 May 5, 2012 (Week 18)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 18	4	0	0	0	3	0	7

No specimens were received by the State Public Health Laboratory for viral testing during week 18.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending May 5, 2012 (Week 18)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	18,717	10,538	77.6%
Influenza B	964	3,809	( 74.7%)
Influenza Unknown Or Untyped	744	2,560	( 70.9%)
Total	20,425	17,767	15.0%

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending May 5, 2012 (Week 18)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,854	1,702	8.9%
02-04	3,464	2,500	38.6%
05-14	6,986	6,447	8.4%
15-24	1,684	2,664	( 36.8%)
25-49	3,479	3,520	( 1.2%)
50-64	1,341	1,026	30.7%
65+	1,617	356	354.2%
Total	20,425	17,767	15.0%

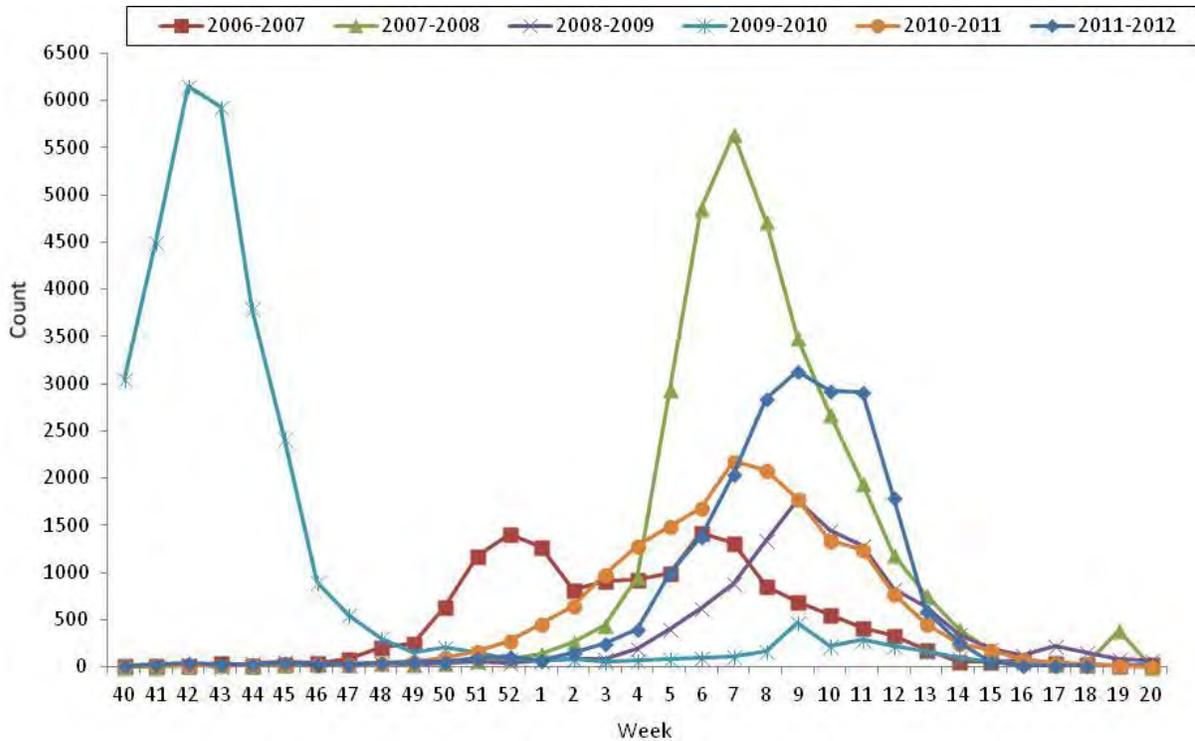
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending May 5, 2012 (Week 18)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	4,061	1,871	117.0%
EA	6,038	4,937	22.3%
NW	6,445	4,503	43.1%
SE	1,386	2,126	( 34.8%)
SW	2,495	3,763	( 33.7%)
Total	20,425	17,767	15.0%

**Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending April 28, 2012 (Week 17)**

Week 17	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 17 Last Season	5 Year Weekly Median
75	2,930	2,857	137	96

**Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending May 5, 2012 (Week 18)**



The number of reported influenza cases for week 18 of the 2011-2012 season is following historical trends.

**Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending May 5, 2012 (Week 18)**

	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
<b>Week 18</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Season-to-Date (Week 40-Week 18)</b>	<b>14</b>	<b>5</b>	<b>14</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 May 5, 2012 (Week 18)**

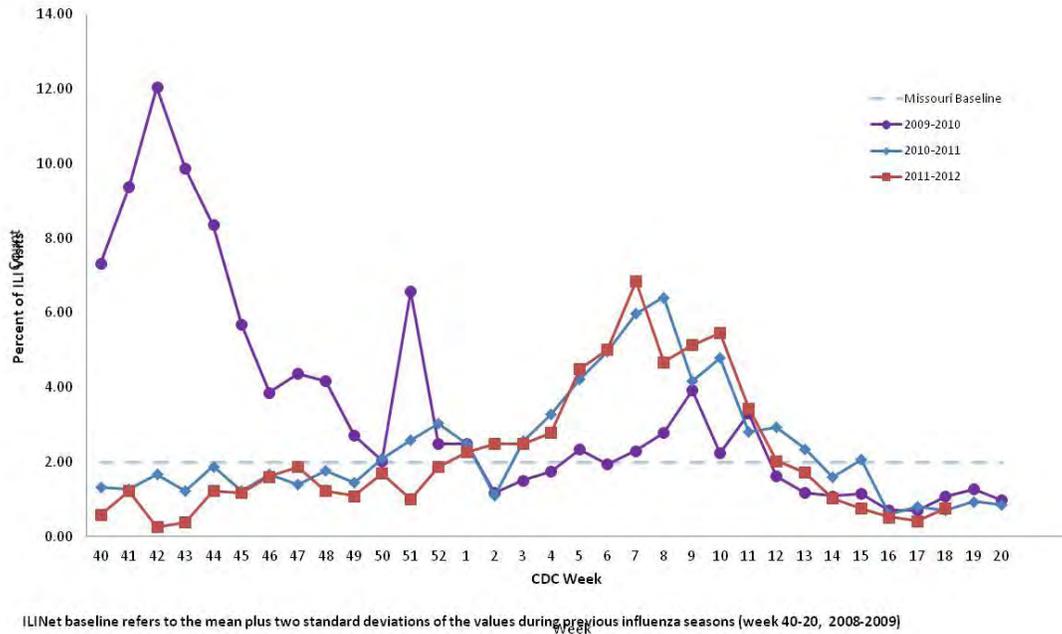
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	52	0
Clay								
Cole	3	2	3	0	0	8	673	1.19
Gasconade								
Greene								
Howell								
Iron								
Jackson	0	0	0	0	0	0	184	0
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	102	0
McDonald								
Moniteau								
Nodaway								
Pettis								
Phelps								
Putnam								
Reynolds								
Saline								
St. Clair	0	0	0	0	0	0	47	0
State Total	3	2	3	0	0	8	1,058	0.76

\*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>

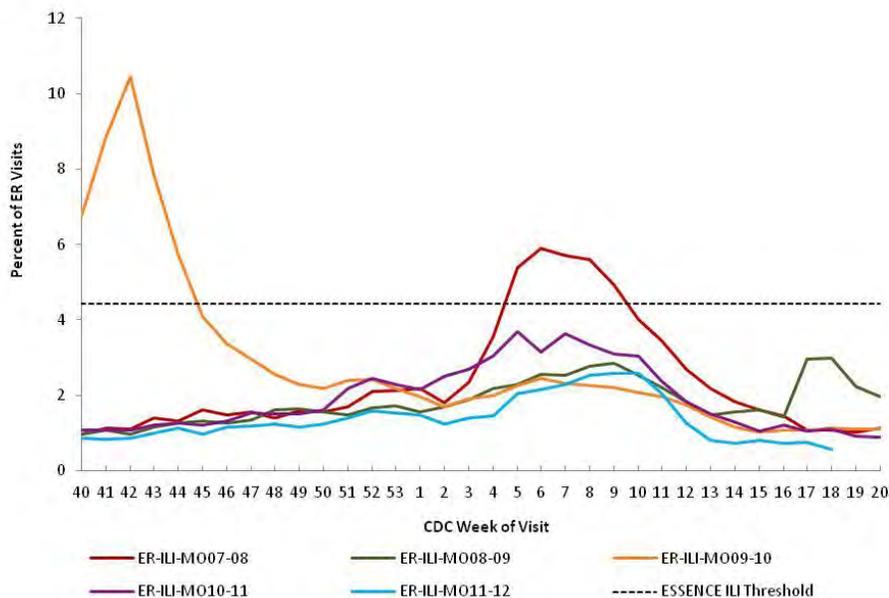
\*\*\*This is **below** the national baseline of 2.4%.

**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 May 5, 2012 (Week 18)**



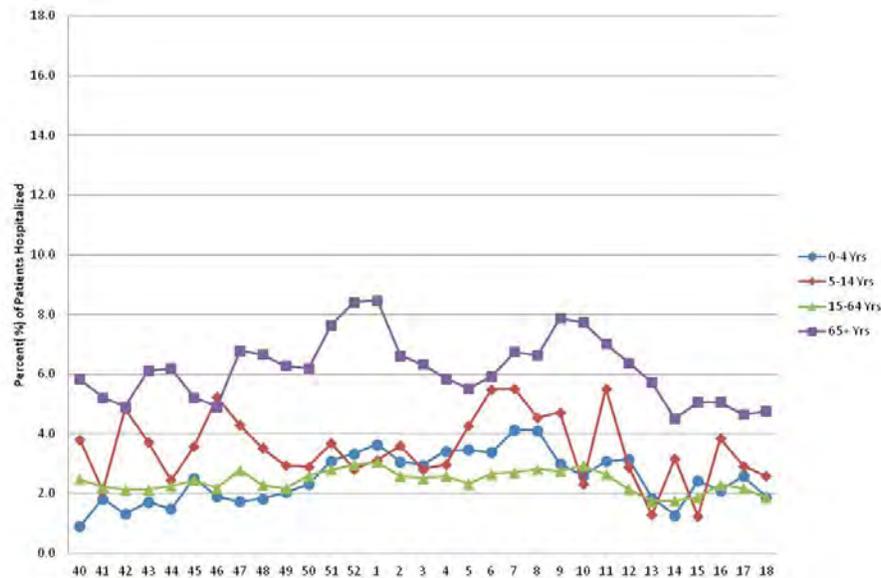
The proportion of patient visits for influenza-like illness is 0.76% for week ending May 5, 2012 (Week 18). This is below Missouri’s baseline of 1.98%.

**Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending May 5, 2012 (Week 18)**



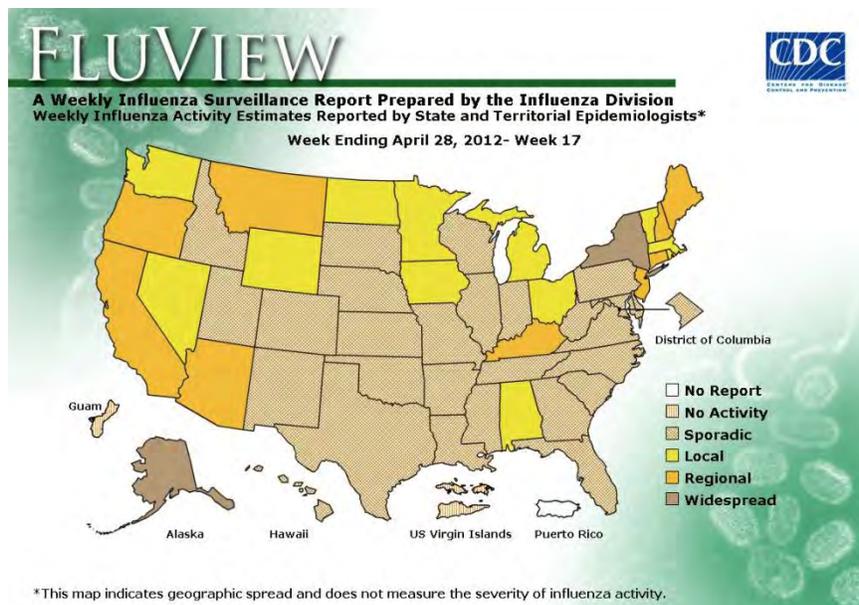
\*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

**Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending May 5, 2012 (Week 18)**



\*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 65+ age group has increased to 4.76% in Week 18. All other age groups have decreased.



For the week ending May 5, 2012 (Week 18), 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 28, 2012 (Week 17), Flu View reported two states with widespread influenza activity, nine states reported regional influenza activity, 12 states reported local influenza activity, and 27 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).