



Missouri Weekly Influenza Report 2011-2012 Season¹

Missouri is reporting “Sporadic” to the CDC for Week 17².

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 28, 2012 (Week 17)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 17	11	0	0	0	7	0	18

One specimen was received by the State Public Health Laboratory for viral testing during week 17; it was negative.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending April 28, 2012 (Week 17)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	18,648	10,529	77.1%
Influenza B	961	3,750	(74.4%)
Influenza Unknown Or Untyped	743	2,560	(71.0%)
Total	20,352	17,740	14.7%

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending April 28, 2012 (Week 17)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,848	1,698	8.8%
02-04	3,444	2,498	37.9%
05-14	6,968	6,445	8.1%
15-24	1,684	2,662	(36.7%)
25-49	3,467	3,515	(1.4%)
50-64	1,338	1,020	31.2%
65+	1,603	356	350.3%
Total	20,352	17,740	14.7%

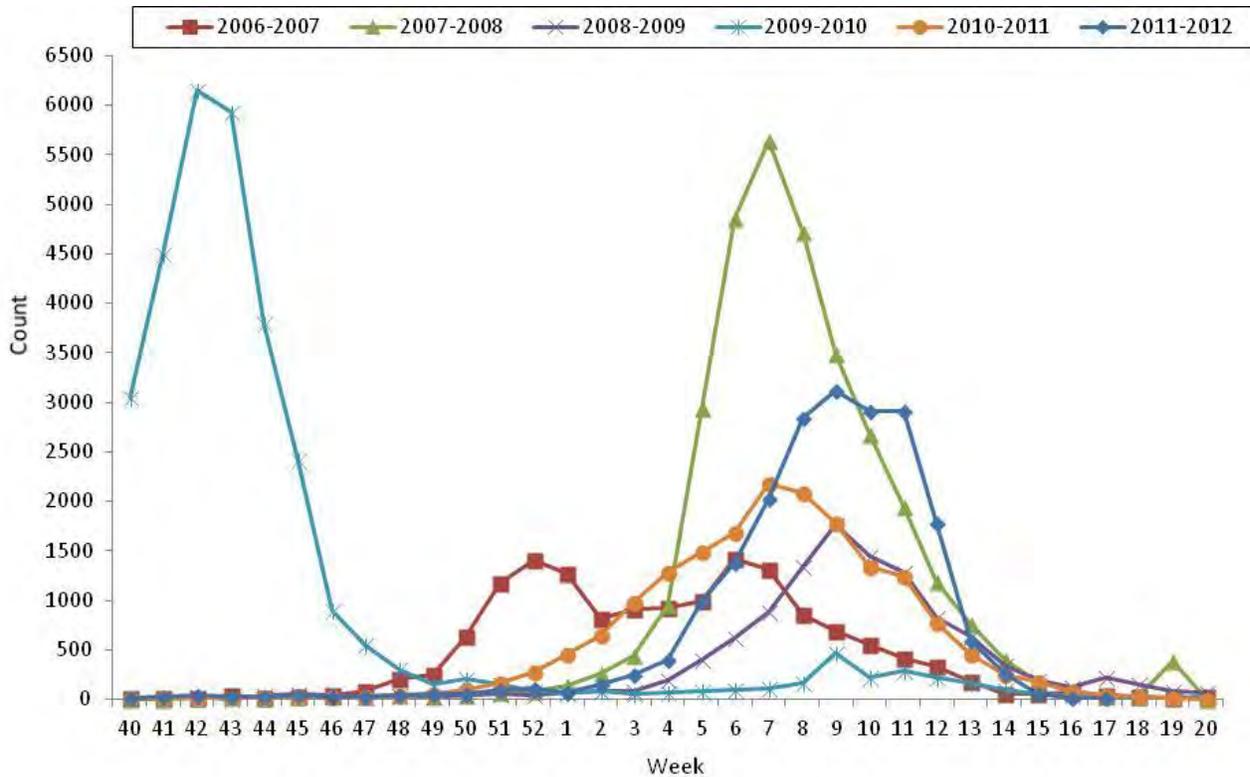
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending April 28, 2012 (Week 17)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	4,052	1,871	116.6%
EA	6,037	4,925	22.6%
NW	6,445	4,497	43.3%
SE	1,381	2,124	(35.0%)
SW	2,437	3,756	(35.1%)
Total	20,352	17,740	14.7%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending April 21, 2012 (Week 16)

Week 16	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 16 Last Season	5 Year Weekly Median
83	2,855	2,720	117	77

Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending April 28, 2012 (Week 17)



The number of reported influenza cases for week 17 of the 2011-2012 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending April 28, 2012 (Week 17)

	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
Week 17	0	0	0	0
Season-to-Date (Week 40-Week 17)	14	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 28, 2012 (Week 17)**

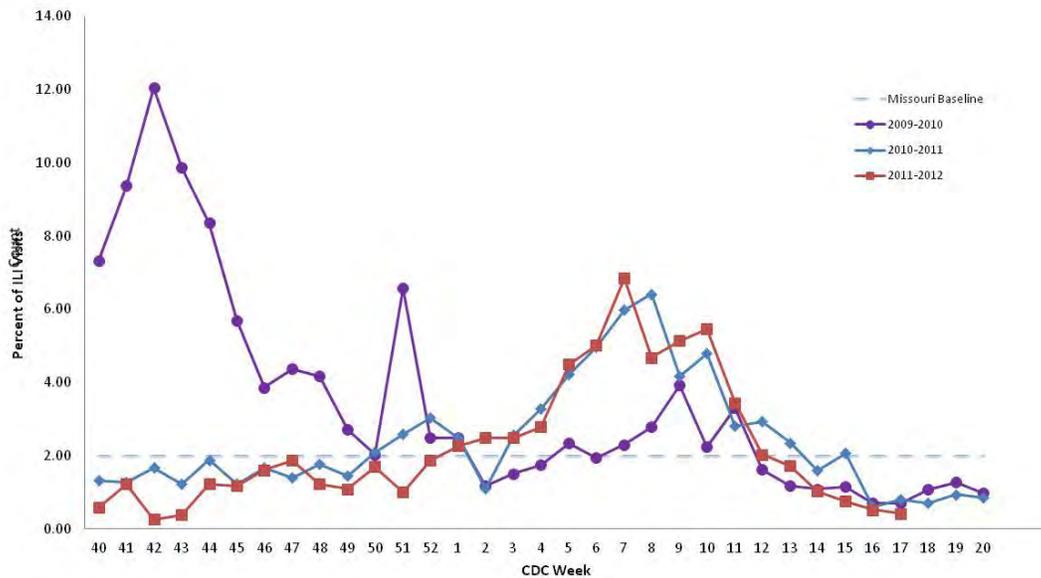
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone	0	0	0	0	0	0	676	0
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	63	0
Clay	0	0	0	0	0	0	195	0
Cole	2	3	1	2	2	10	698	1.43
Gasconade								
Greene								
Howell								
Iron								
Jackson	0	0	0	0	0	0	183	0
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	93	0
McDonald	0	0	0	0	0	0	406	0
Moniteau								
Nodaway								
Pettis								
Phelps	0	1	0	0	0	1	267	0.37
Putnam	0	1	0	0	0	1	206	0.49
Reynolds	0	0	0	0	0	0	53	0
Saline								
St. Clair	0	0	0	0	0	0	50	0
State Total	2	5	1	2	2	12	2890	0.42

*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%.

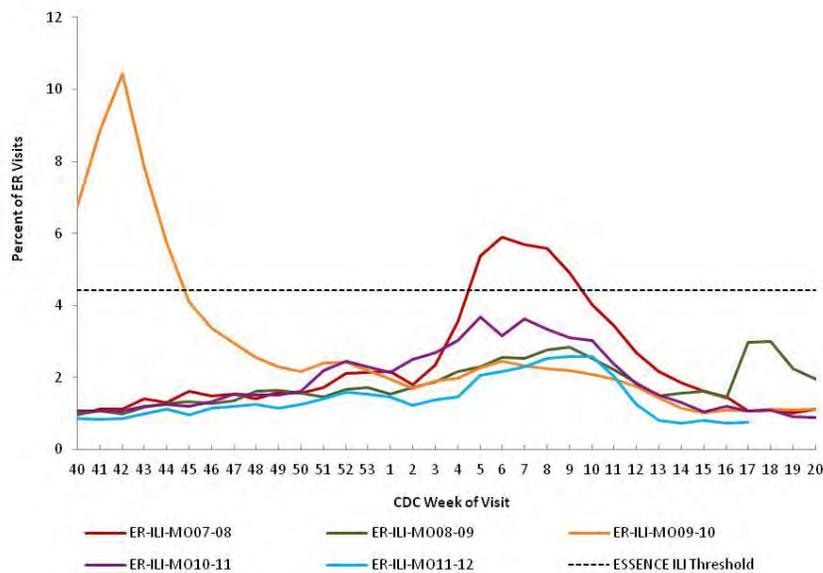
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending April 28, 2012 (Week 17)



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

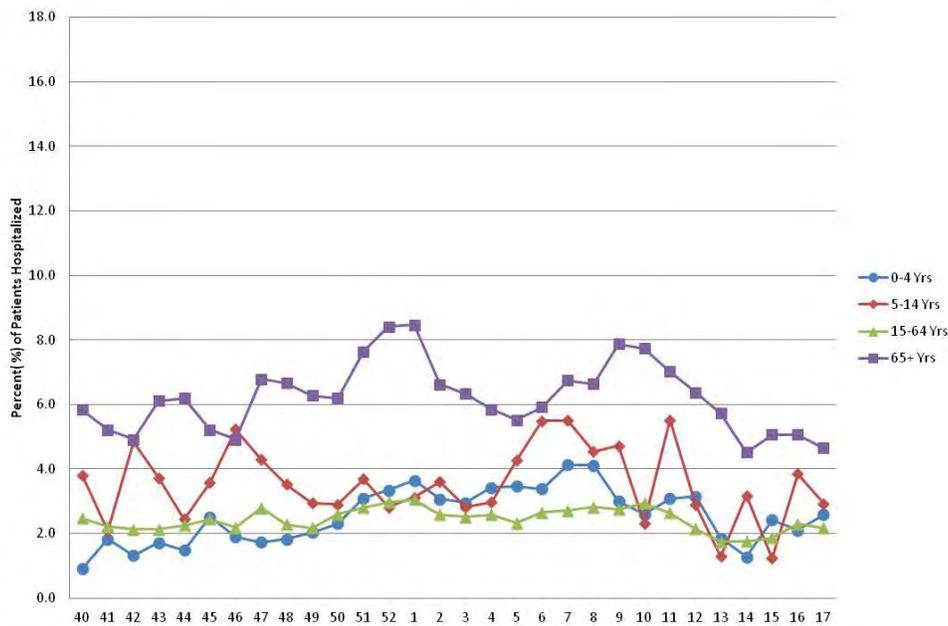
The proportion of patient visits for influenza-like illness is 0.42% for week ending April 28, 2012 (Week 17). This is below Missouri’s baseline of 1.98%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending April 28, 2012 (Week 17)



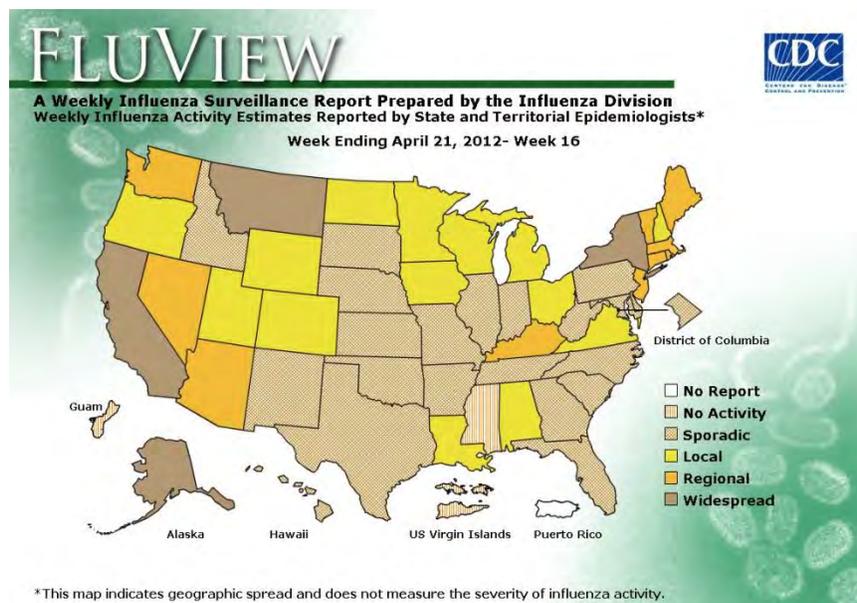
*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

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 28, 2012 (Week 17)



*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 0-4 age group has increased to 2.59% in Week 17. All other age groups have decreased.



For the week ending April 28, 2012 (Week 17), 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 21, 2012 (Week 16), Flu View reported four states with widespread influenza activity, 10 states reported regional influenza activity, 14 states reported local influenza activity, 21 states reported sporadic influenza activity and one state reported no 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**.

¹*All data in this report are provisional and may change as reports are updated.*

²*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).