



Missouri Weekly Influenza Report 2012-2013 Season¹

Missouri is reporting “Local” to the CDC for Week 47².

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 November 24, 2012 (Week 47)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 47	27	0	0	0	419	5	451

A total of five specimens were received by the State Public Health Laboratory for viral testing during week 47. Two were positive for Influenza B and three were negative for influenza.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending November 24, 2012 (Week 47)

Influenza Type	2012-2013 Season	5-Season Median	% Change from 5-Season Median
Influenza A	224	114	96.5%
Influenza B	1,848	78	2269.2%
Influenza Unknown Or Untyped	16	10	60.0%
Total	2,088	213	880.3%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending November 24, 2012 (Week 47)

Age Group	2012-2013 Season	5-Season Median	% Change from 5-Season Median
00-<02	176	15	1073.3%
02-04	344	18	1811.1%
05-14	976	31	3048.4%
15-24	126	19	563.2%
25-49	275	63	336.5%
50-64	120	22	445.5%
65+	71	18	294.4%
Total	2,088	213	880.3%

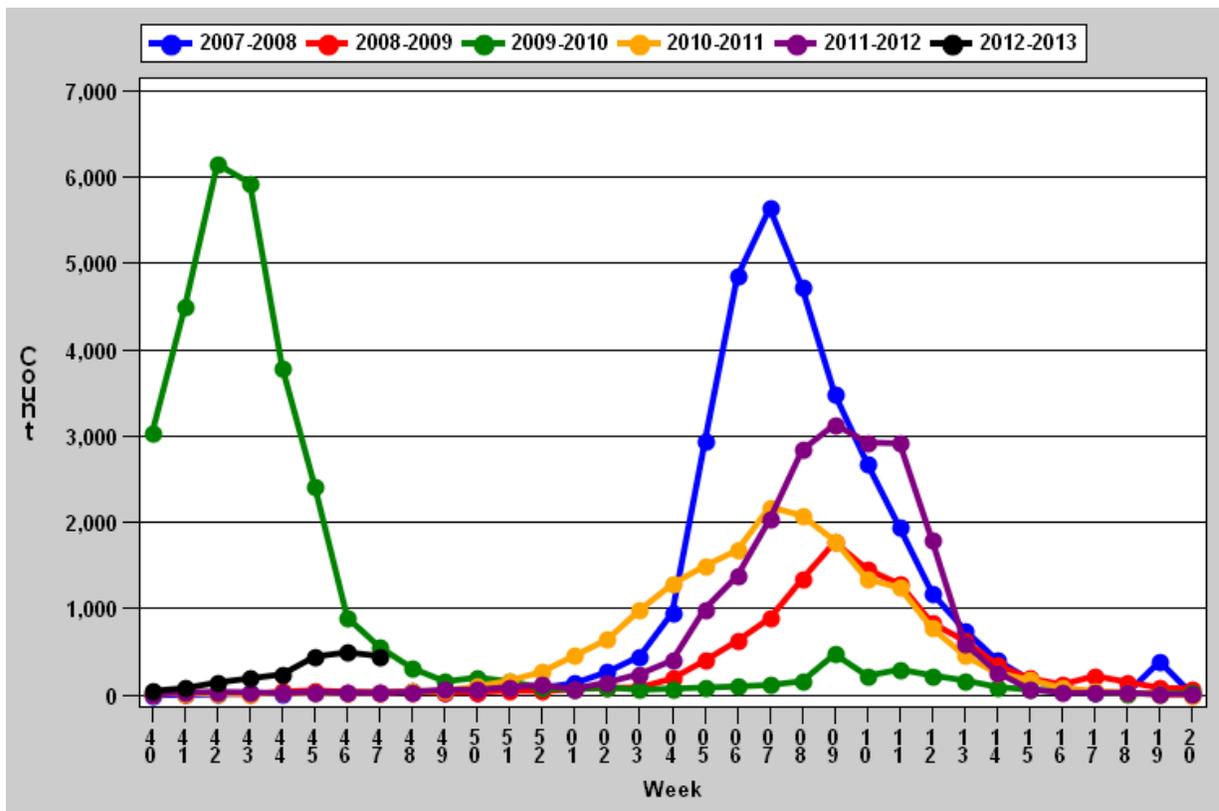
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending November 24, 2012 (Week 47)

District	2012-2013 Season	5-Season Median	% Change from 5-Season Median
CE	647	28	2210.7%
EA	1,178	48	2354.2%
NW	125	41	204.9%
SE	81	42	92.9%
SW	57	39	46.2%
Total	2,088	213	880.3%

**Table 5. Deaths involving Pneumonia and Influenza (P&I)
Reported During the Week Ending November 17, 2012 (Week 46)**

Week 46	Season-to-Date 2012-2013	Season-to-Date 2011-2012	Week 46 Last Season	5 Year Weekly Median
70	527	635	89	81

**Graph 1. Reported Influenza Cases 2012-2013 Season-To-Date as compared to the previous
Five Influenza Seasons Through the Week Ending November 24, 2012 (Week 47)**



The number of reported influenza cases for week 47 of the 2012-2013 season is slightly above historical trends.

**Table 6. Outbreaks/Closures Due to Influenza-like Illness
Reported During the Week Ending November 24, 2012 (Week 47)**

	Outbreaks		Closures	
	Current Season 2012-2013	Previous Season 2011-2012	Current Season 2012-2013	Previous Season 2011-2012
Week 47	0	0	2	0
Season-to-Date (Week 40-Week 47)	0	0	2	0

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending November 24, 2012 (Week 47)**

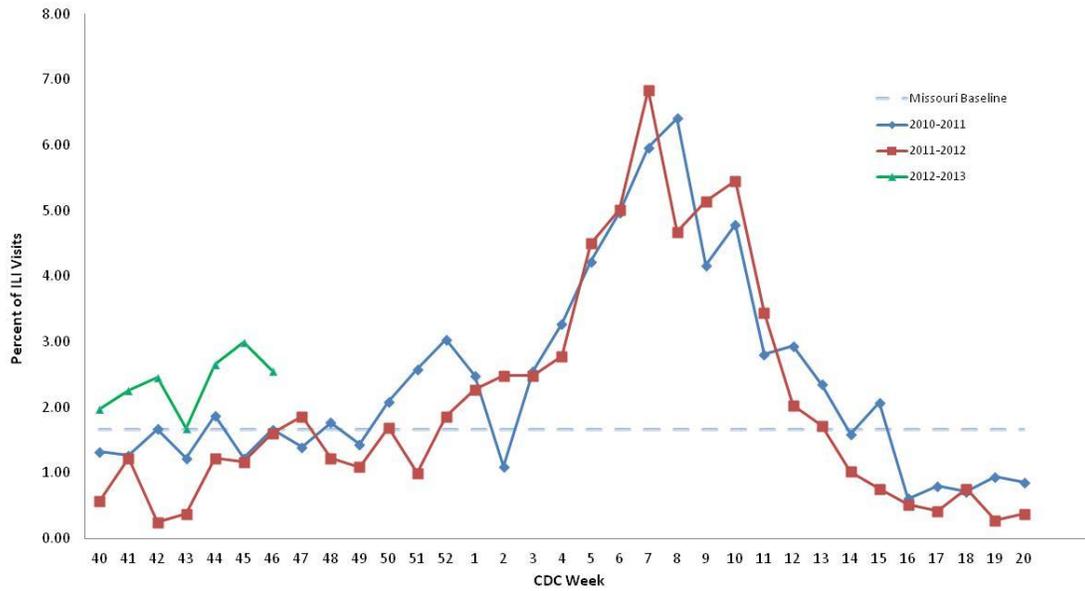
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Buchanan								
Butler								
Callaway	4	8	6	2	2	22	200	11
Cape Girardeau	0	0	0	0	0	0	46	0
Clay	0	1	0	0	0	1	130	0.77
Cole								
Gasconade	0	2	0	0	0	2	324	0.62
Greene	0	0	0	0	0	0	79	0
Howell								
Iron								
Jackson	1	3	0	0	0	4	146	2.74
Kansas City								
Knox								
Lawrence								
Marion								
McDonald	3	1	2	0	0	6	197	3.05
Moniteau								
Nodaway	0	1	0	0	0	1	62	1.61
Pettis								
Phelps	0	0	0	0	0	0	61	0
Putnam	0	0	0	0	0	0	133	0
Reynolds	0	0	0	0	0	0	31	0
Saline	2	1	0	0	0	3	108	2.78
St. Clair	0	0	0	0	0	0	13	0
State Total	10	17	8	2	2	39	1,530	2.55

*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 the above the national baseline of 2.2%.

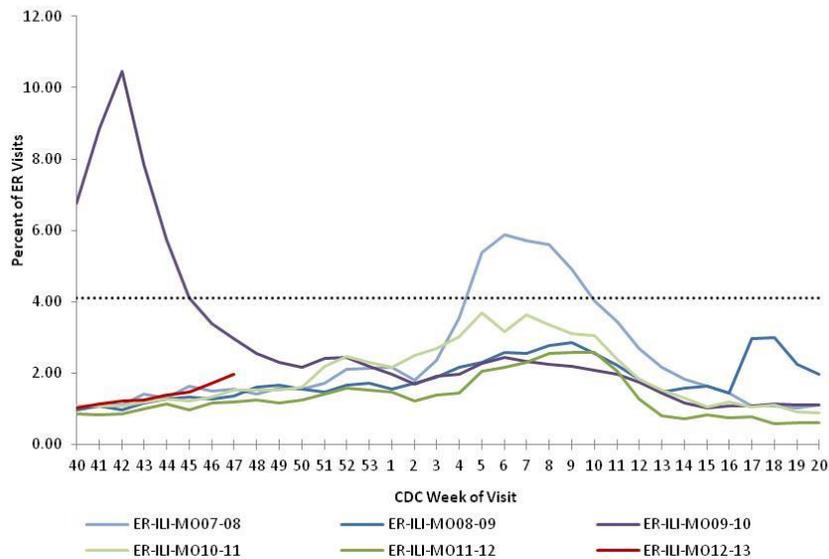
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2012-2013 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending November 24, 2012 (Week 47)



ILINet baseline refers to the mean of the values during previous three influenza seasons (week 40-20, 2008-2009, 2010-11 and 2011-12) with low influenza activity.

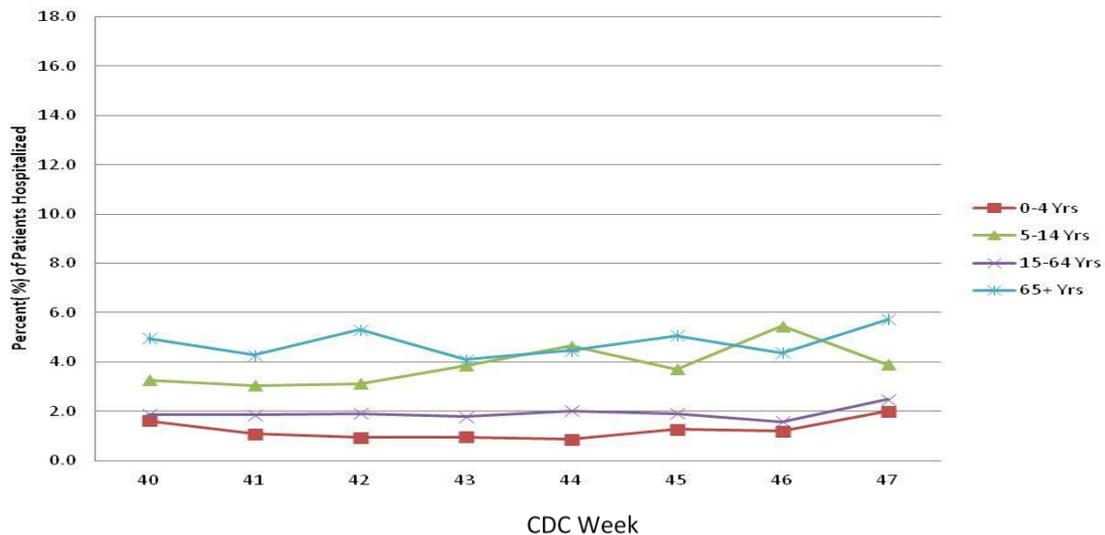
The proportion of patient visits for influenza-like illness is 2.55% for week ending November 24, 2012 (week 47). This is above Missouri’s baseline of 1.66%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2013 Influenza Seasons Through the Week Ending November 24, 2012 (Week 47)

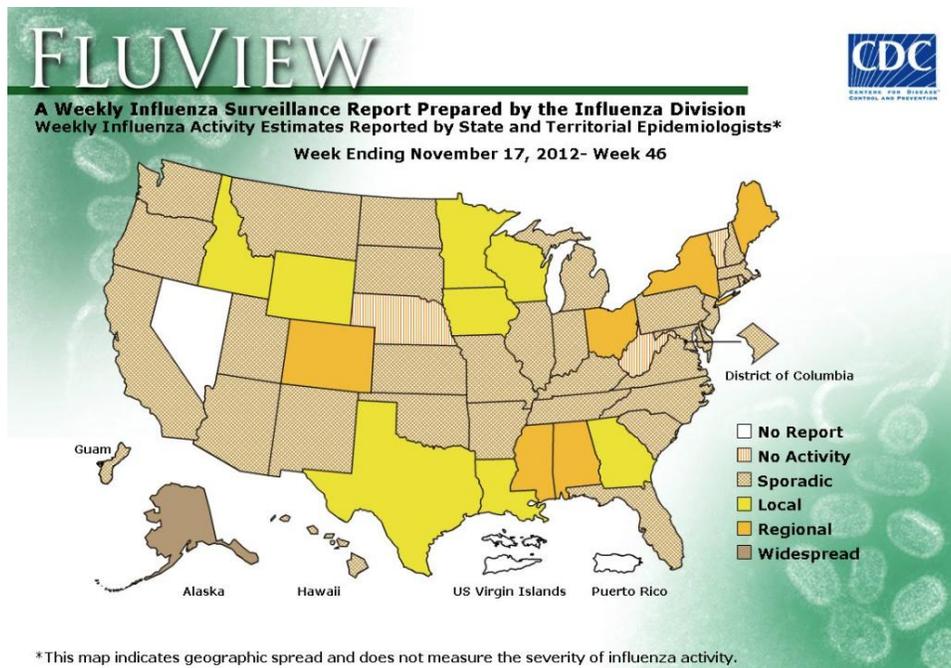


*ESSENCE ILI Threshold refers to the mean plus 3 standard deviations of the values during previous influenza seasons (weeks 40-20, 2006-07, 2008-09 and 2010-2011) when influenza activity was low.

Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 90 Participating Missouri Hospitals Through the Week Ending November 24, 2012 (Week 47)



*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.



For the week ending November 24, 2012 (Week 47), Missouri reported **Local** to the CDC. Local is defined as: Increased ILI in 1 region; ILI activity in other regions is not increased **And** recent (within the past 3 weeks) lab evidence of influenza in region with increased ILI. **OR** Two or more institutional outbreaks (ILI or lab confirmed) in 1 region; ILI activity in other regions is not increased **And** recent (within the past 3 weeks) lab evidence of influenza in region with the outbreak and virus activity is no greater than sporadic in other regions.

For the week ending November 17, 2012 (week 46), Flu View reported one state with widespread activity, six states reported regional influenza activity, eight state reported local influenza activity, 31 states reported sporadic influenza activity, three states reported no 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.

Antigenic Characterization of Missouri Influenza Isolates submitted to CDC by the State Public Health

Laboratory: CDC antigenically characterizes samples of positive Missouri influenza isolates, submitted through the Missouri Department of Health and Senior Services, State Public Health Laboratory.

CDC has antigenically characterized three isolates so far this season from Missouri: All three were B/WISCONSIN/01/2010-LIKE.

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).