



Missouri Weekly Influenza Report 2012-2013 Season¹

Missouri is reporting “Local” to the CDC for Week 48².

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 December 1, 2012 (Week 48)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 48	44	0	0	1	624	3	672

A total of ten specimens were received by the State Public Health Laboratory for viral testing during week 48. Five were positive for Influenza B, one was positive for Influenza A H3, and four were negative for influenza.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending December 1, 2012 (Week 48)

Influenza Type	2012-2013 Season	5-Season Median	% Change from 5-Season Median
Influenza A	301	138	117.4%
Influenza B	2,825	85	3223.5%
Influenza Unknown Or Untyped	36	14	157.1%
Total	3,162	250	1164.8%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending December 1, 2012 (Week 48)

Age Group	2012-2013 Season	5-Season Median	% Change from 5-Season Median
00-<02	254	18	1311.1%
02-04	510	28	1721.4%
05-14	1,487	37	3918.9%
15-24	170	26	553.8%
25-49	442	71	522.5%
50-64	181	28	546.4%
65+	118	23	413.0%
Total	3,162	250	1164.8%

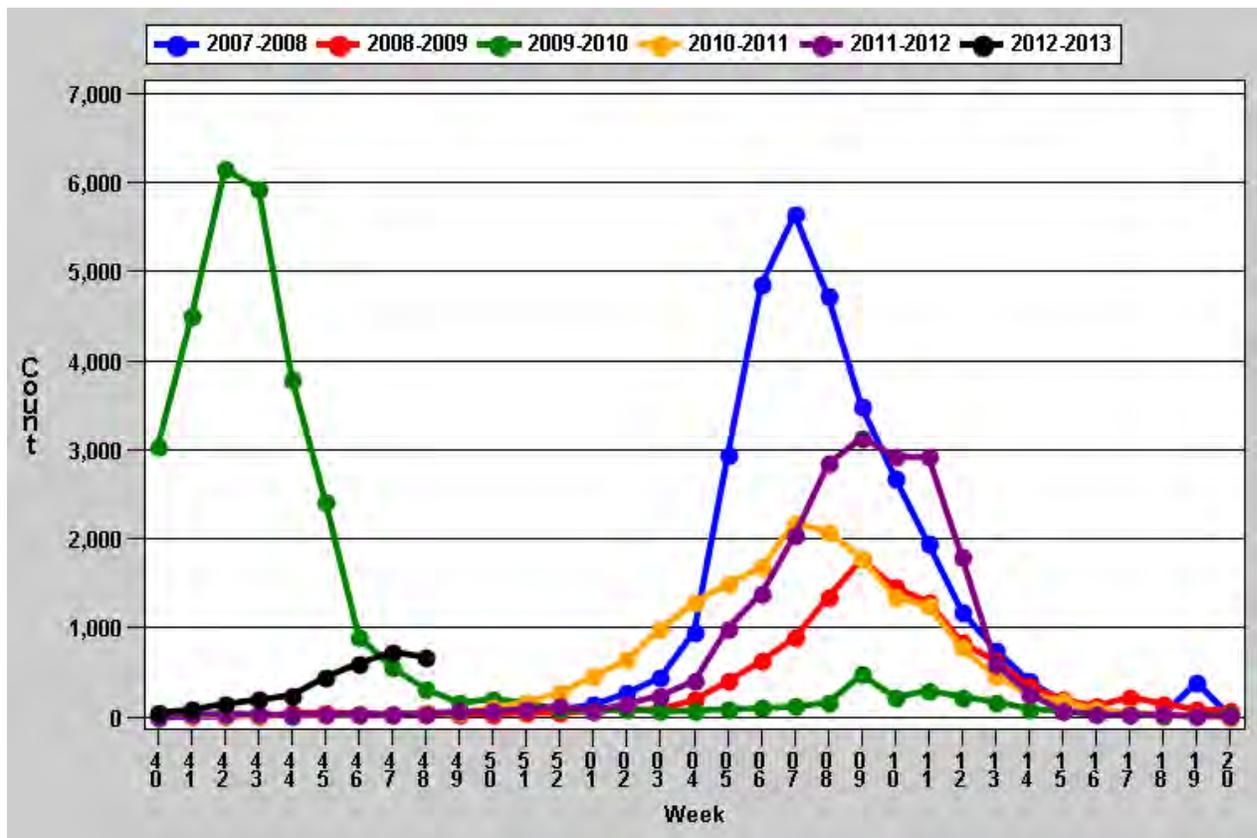
Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending December 1, 2012 (Week 48)

District	2012-2013 Season	5-Season Median	% Change from 5-Season Median
CE	984	33	2881.8%
EA	1,771	62	2756.5%
NW	191	47	306.4%
SE	118	42	181.0%
SW	98	47	108.5%
Total	3,162	250	1164.8%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending November 24, 2012 (Week 47)

Week 47	Season-to-Date 2012-2013	Season-to-Date 2011-2012	Week 47 Last Season	5 Year Weekly Median
47	574	690	55	62

Graph 1. Reported Influenza Cases 2012-2013 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending December 1, 2012 (Week 48)



The number of reported influenza cases for week 48 of the 2012-2013 season is above historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending December 1, 2012 (Week 48)

	Outbreaks		Closures	
	Current Season 2012-2013	Previous Season 2011-2012	Current Season 2012-2013	Previous Season 2011-2012
Week 48	0	0	1	0
Season-to-Date (Week 40-Week 48)	0	0	3	0

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending December 1, 2012 (Week 48)**

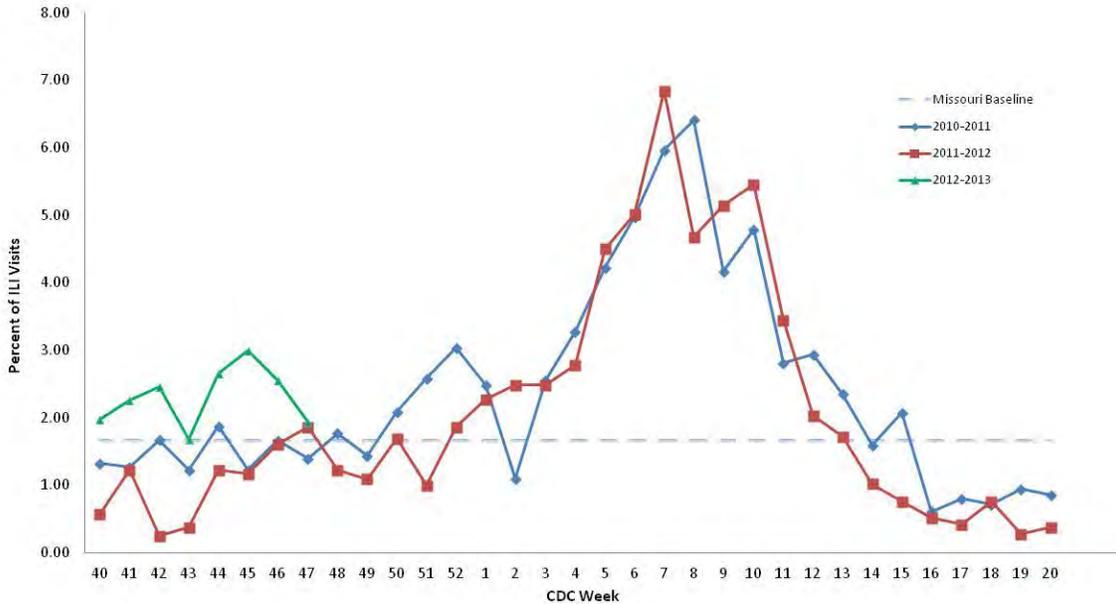
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair	0	2	0	0	0	2	155	1.29
Audrain								
Boone	0	1	0	0	0	1	698	0.14
Buchanan								
Butler								
Callaway	8	15	10	3	2	38	194	19.59
Cape Girardeau	0	0	0	0	0	0	85	0
Clay								
Cole								
Gasconade								
Greene	0	3	2	0	0	5	901	0.55
Howell								
Iron								
Jackson	5	3	0	0	0	8	185	4.32
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	103	0
McDonald	2	2	4	0	0	8	306	2.61
Moniteau								
Nodaway	0	1	0	0	0	1	157	0.64
Pettis	2	0	0	0	0	2	289	0.69
Phelps	0	1	0	0	0	1	269	0.37
Putnam	2	0	0	0	0	2	290	0.69
Reynolds	0	0	0	0	0	0	30	0
Saline	2	4	0	1	0	7	188	3.72
St. Clair	0	0	0	0	0	0	36	0
State Total	21	32	16	4	2	75	3886	1.93

*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 below the national baseline of 2.2%.

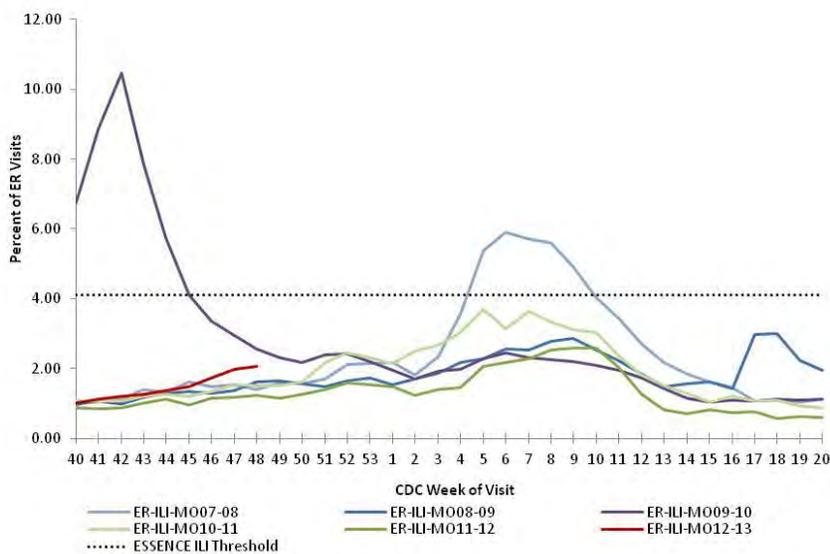
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2012-2013 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending December 1, 2012 (Week 48)



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.

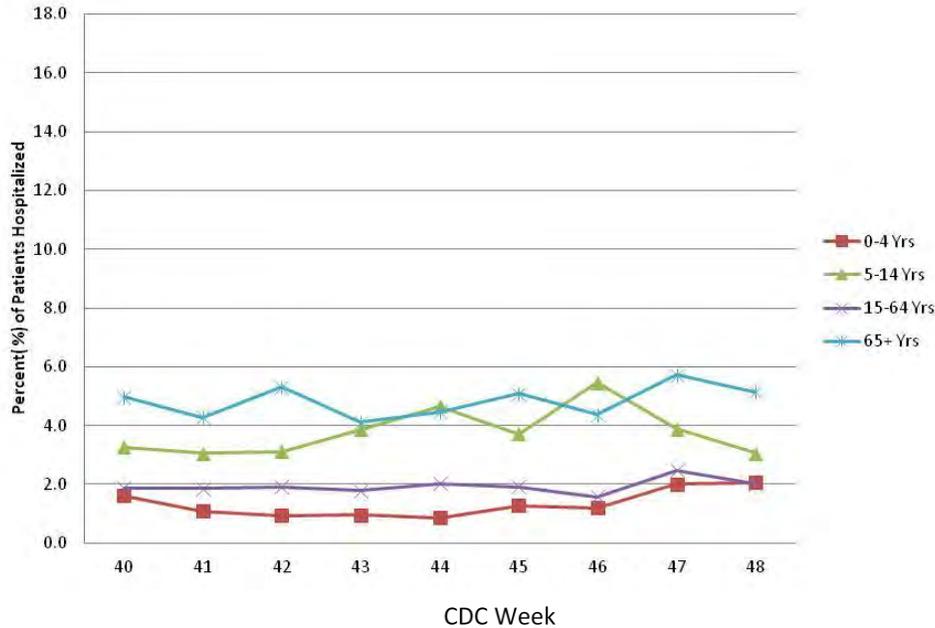
The proportion of patient visits for influenza-like illness is 1.93% for week ending December 1, 2012 (week 48). This is above Missouri’s baseline of 1.66%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2013 Influenza Seasons Through the Week Ending December 1, 2012 (Week 48)



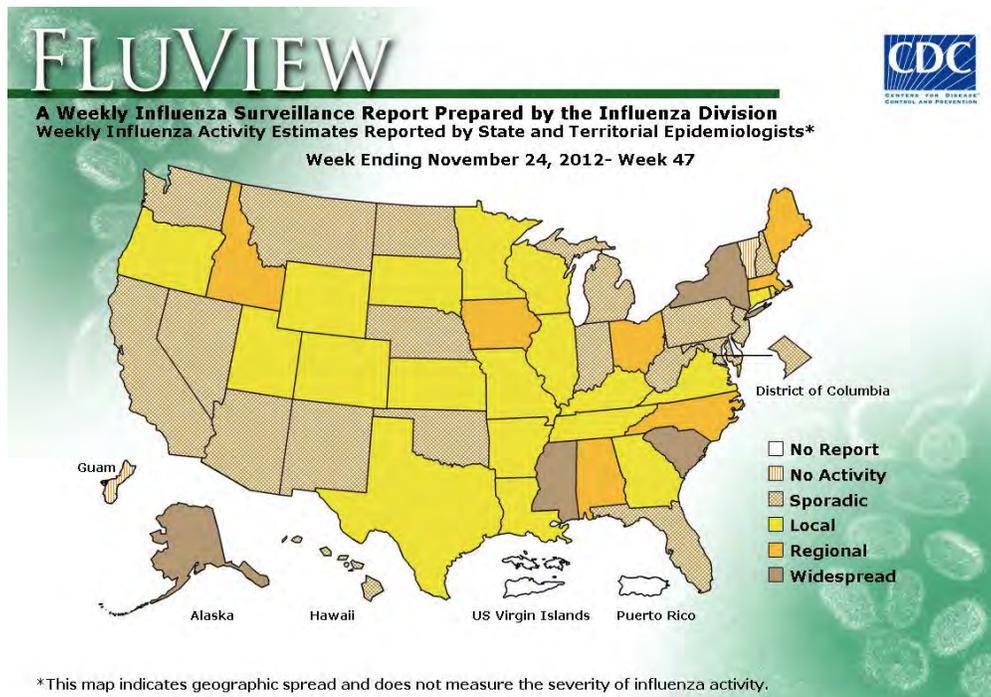
*ESSENCE ILI Threshold refers to the mean plus 3 standard deviations of the values during previous influenza seasons (weeks 40-20, 2006-07, 2008-09 and 2010-2011) when influenza activity was low.

Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 90 Participating Missouri Hospitals Through the Week Ending December 1, 2012 (Week 48)



*Please use caution when comparing current 2012-2013 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 2.05%. All other age groups has decreased in Week 48.



For the week ending December 1, 2012 (Week 48), 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 24, 2012 (week 47), Flu View reported four states with widespread activity, seven states reported regional influenza activity, 19 states reported local influenza activity, 18 states reported sporadic influenza activity, one state 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).