



Missouri Weekly Influenza Report 2011-2012 Season¹

Missouri is reporting “Widespread” to the CDC for Week 10².

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 March 10, 2012 (Week 10)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 10	1,562	0	2	15	51	70	1,700

A total of 21 specimens were received by the State Public Health Laboratory for viral testing during week 10. Fifteen were positive for Influenza A (H3), two were positive for Influenza A 2009 H1N1, and four were negative for influenza.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending March 10, 2012 (Week 10)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	12,091	9,338	29.5%
Influenza B	598	2,180	(72.6%)
Influenza Unknown Or Untyped	595	2,523	(76.4%)
Total	13,284	14,718	(9.7%)

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending March 10, 2012 (Week 10)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,255	1,609	(22.0%)
02-04	2,342	2,379	(1.6%)
05-14	4,734	5,431	(12.8%)
15-24	1,083	2,235	(51.5%)
25-49	2,172	2,980	(27.1%)
50-64	811	830	(2.3%)
65+	887	316	180.7%
Total	13,284	14,718	(9.7%)

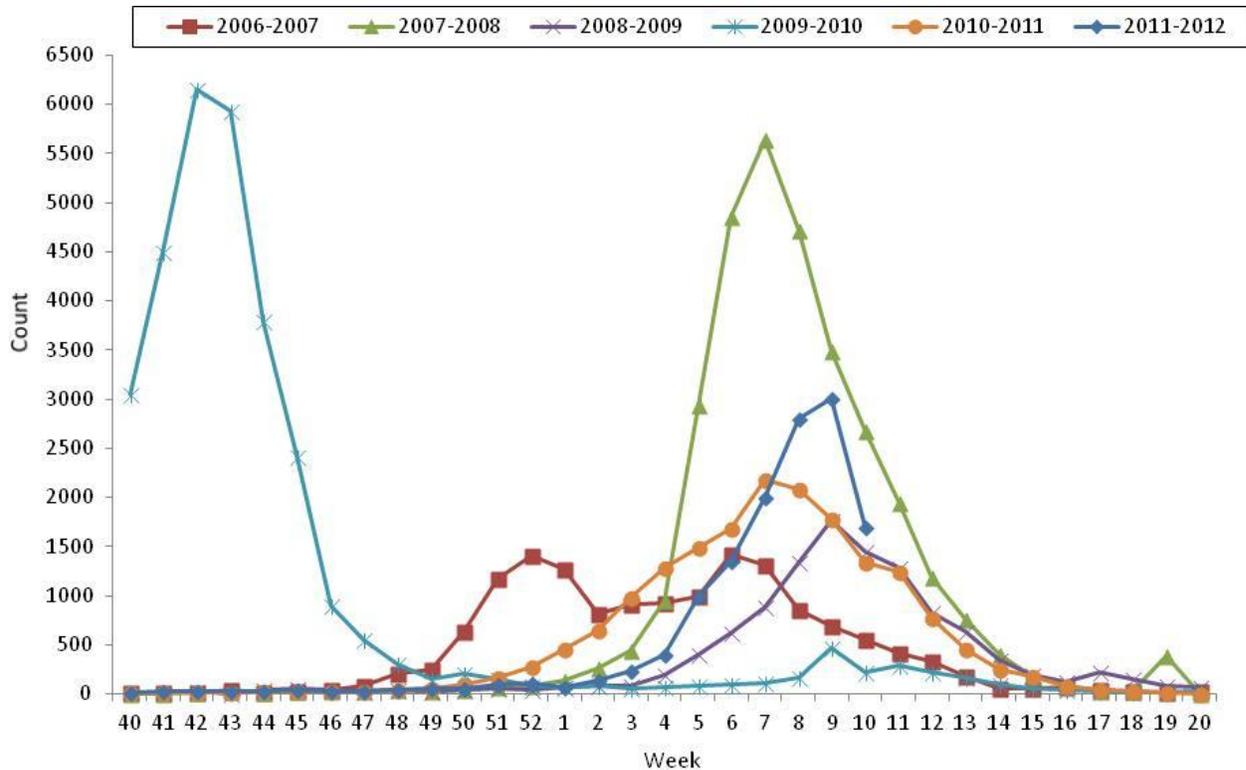
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending March 10, 2012 (Week 10)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	2,828	1,767	60.0%
EA	3,296	3,987	(17.3%)
NW	5,388	3,744	43.9%
SE	478	1,919	(75.1%)
SW	1,294	3,246	(60.1%)
Total	13,284	14,718	(9.7%)

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending March 3, 2012 (Week 9)

Week 9	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 9 Last Season	5 Year Weekly Median
99	2,077	1,946	136	100

Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending March 10, 2012 (Week 10)



The number of reported influenza cases for week 10 of the 2011-2012 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending March 10, 2012 (Week 10)

	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
Week 10	2	0	4	0
Season-to-Date (Week 40-Week 10)	9	5	13	0

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending March 10, 2012 (Week 10)**

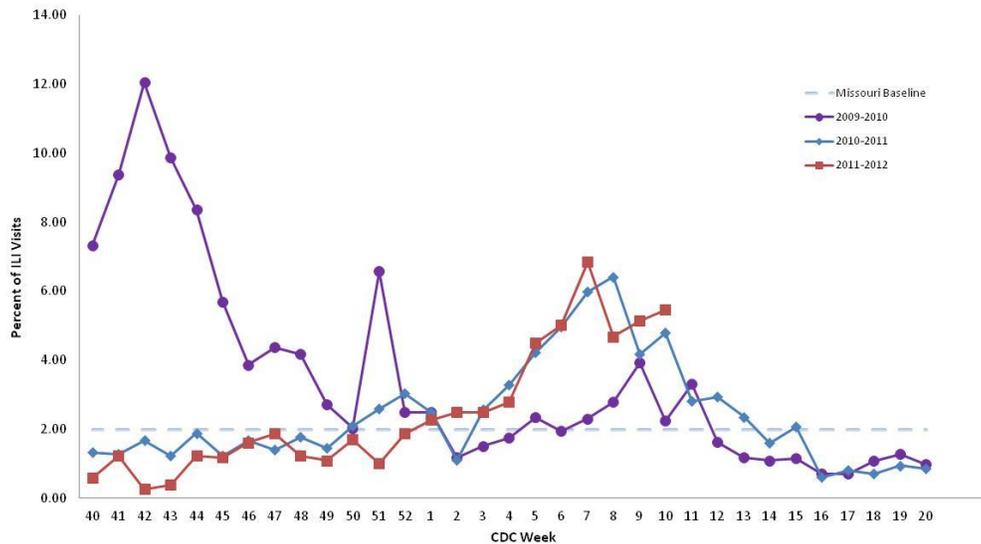
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair	0	0	0	0	0	0	0	0
Audrain								
Boone	0	14	0	0	0	14	748	1.87
Buchanan								
Butler								
Callaway								
Cape Girardeau								
Clay	0	1	0	1	2	4	288	1.39
Cole	23	18	14	6	21	82	686	11.95
Gasconade	9	22	9	5	8	53	871	6.08
Greene								
Howell								
Iron								
Jackson	13	11	0	0	0	24	222	10.81
Kansas City								
Knox	1	1	0	1	0	3	102	2.94
Lawrence								
Marion	0	0	0	0	1	1	105	0.95
McDonald	2	11	3	2	1	19	500	3.8
Moniteau	0	1	0	1	1	3	96	3.12
Nodaway								
Pettis								
Phelps								
Putnam	3	4	1	0	1	9	202	4.46
Reynolds	1	0	1	0	0	2	56	3.57
Saline								
St. Clair	0	0	0	0	0	0	45	0
State Total	52	83	28	16	35	214	3,921	5.46

*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 **above** the national baseline of 2.4%.

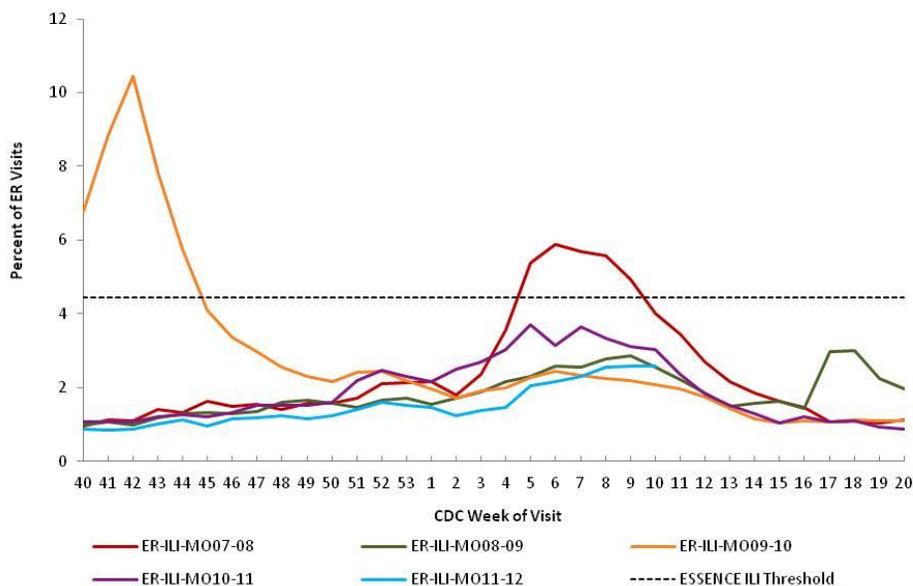
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending March 10, 2012 (Week 10)



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

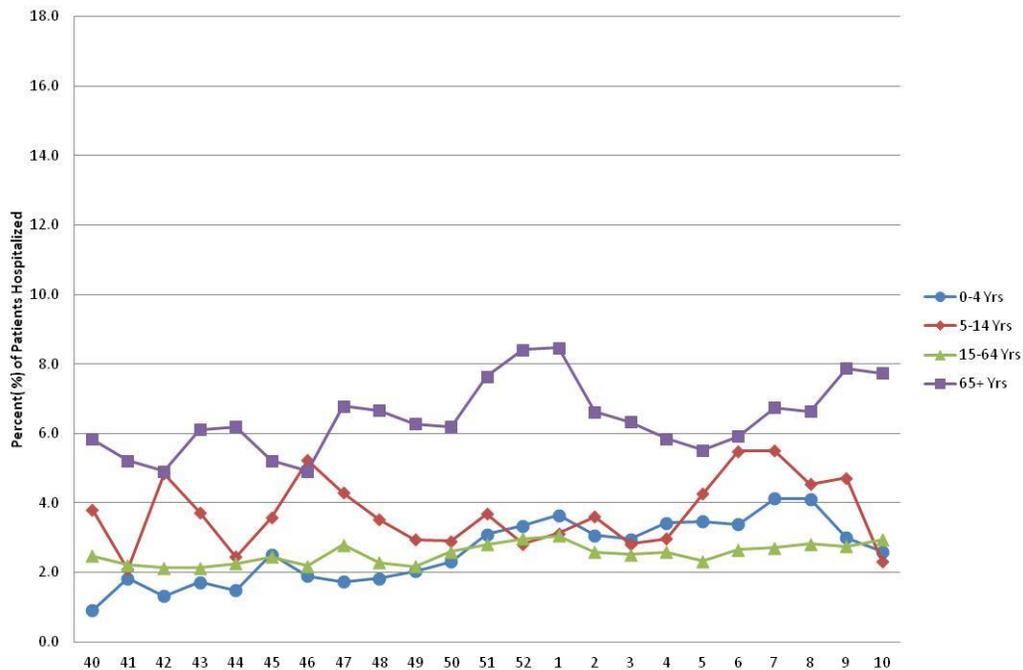
The proportion of patient visits for influenza-like illness is 5.46% for week ending March 10, 2012 (Week 10). This is above Missouri’s baseline of 1.98%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending March 10, 2012 (Week 10)



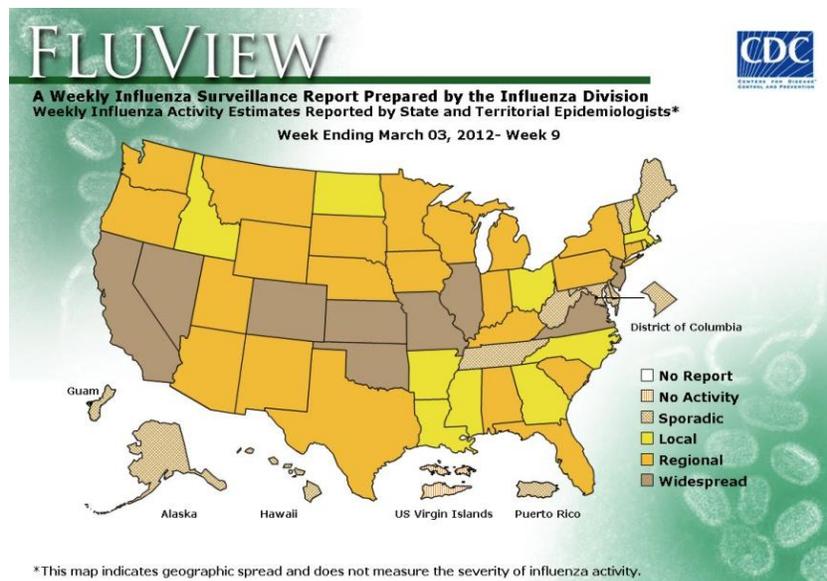
*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending March 10, 2012 (Week 10)



*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 15-64 year age group has increased to 2.95% in Week 10. All other age groups have decreased in Week 10.



For the week ending March 10, 2012 (Week 10), Missouri reported **Widespread** to CDC. Widespread Activity is defined as: Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions **AND** recent (within the past 3 weeks) lab confirmed influenza in the state.

For the week ending March 3, 2012 (Week 9), Flu View reported nine states with widespread influenza activity, 22 states reported regional influenza activity, 11 states reported local influenza activity, and 8 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**.

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).