



Missouri Weekly Influenza Report 2011-2012 Season¹

Missouri is reporting “Regional” to the CDC for Week 7².

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 February 18, 2012 (Week 7)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 7	812	0	2	10	13	17	854

A total of 16 specimens were received by the State Public Health Laboratory for viral testing during week 7. Ten were positive for Influenza A (H3), two were positive for Influenza A 2009 (H1N1), three were negative for influenza, and one was unsatisfactory.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending February 18, 2012 (Week 7)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	3,739	7,444	(49.8%)
Influenza B	356	1,406	(74.7%)
Influenza Unknown Or Untyped	218	2,431	(91.0%)
Total	4,313	11,572	(62.7%)

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending February 18, 2012 (Week 7)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	373	1,414	(73.6%)
02-04	774	1,829	(57.7%)
05-14	1,601	3,192	(49.8%)
15-24	346	1,572	(78.0%)
25-49	703	2,041	(65.6%)
50-64	267	565	(52.7%)
65+	249	301	(17.3%)
Total	4,313	11,572	(62.7%)

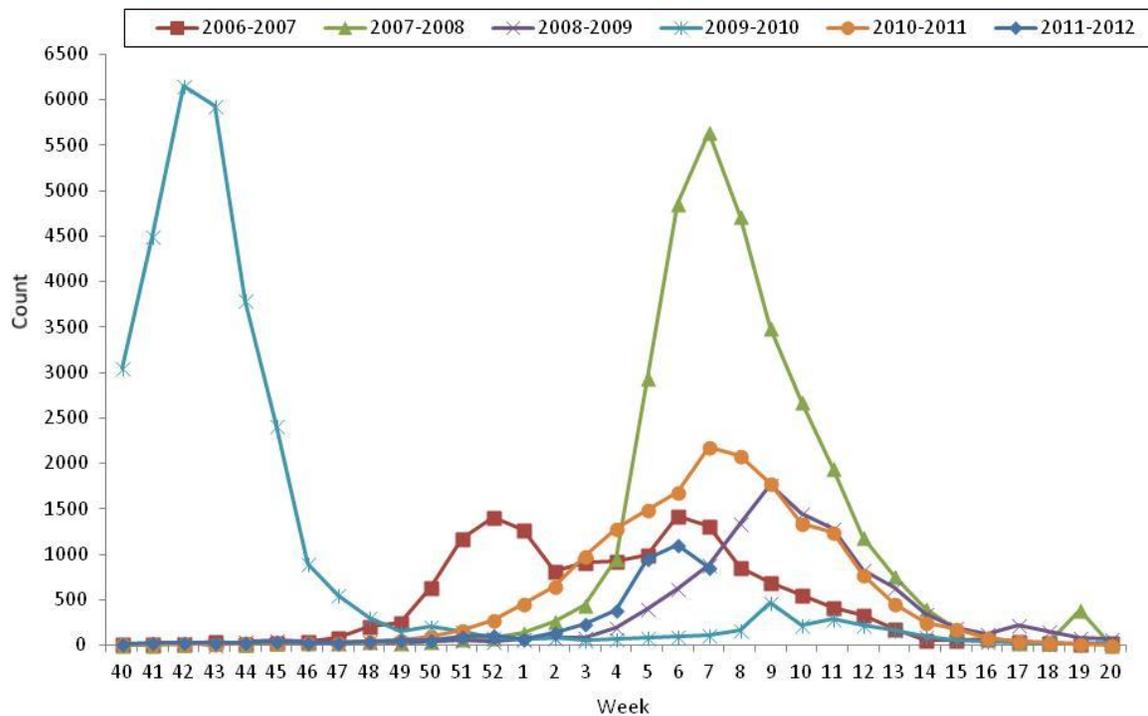
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending February 18, 2012 (Week 7)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	567	1,523	(62.8%)
EA	783	2,831	(72.3%)
NW	2,633	3,301	(20.2%)
SE	82	1,517	(94.6%)
SW	248	1,958	(87.3%)
Total	4,313	11,572	(62.7%)

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending February 11, 2012 (Week 6)

Week 6	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 6 Last Season	5 Year Weekly Median
107	1,802	1,616	84	84

Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending February 18, 2012 (Week 7)



The number of reported influenza cases for week 7 of the 2011-2012 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending February 18, 2012 (Week 7)

	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
Week 7	1	0	0	0
Season-to-Date (Week 40-Week 7)	4	3	4	0

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending February 18, 2012 (Week 7)**

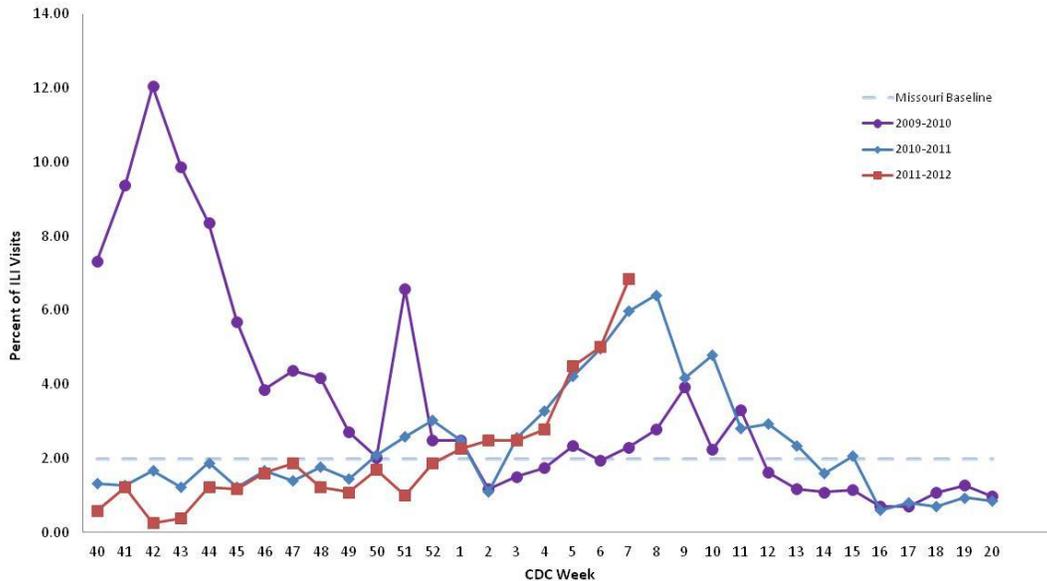
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone	0	4	0	0	0	4	706	0.57
Buchanan								
Butler								
Callaway	1	7	4	2	1	15	222	6.76
Cape Girardeau								
Clay	0	1	0	0	1	2	231	0.87
Cole	30	35	20	9	20	114	707	16.12
Gasconade								
Greene								
Howell								
Iron								
Jackson	26	12	0	0	0	38	208	18.27
Kansas City								
Knox	0	0	0	0	0	0	62	0
Lawrence								
Marion	0	0	0	0	0	0	104	0
McDonald	2	12	6	1	0	21	255	8.24
Moniteau								
Nodaway								
Pettis								
Phelps	0	5	0	0	0	5	253	1.98
Putnam	0	0	1	0	0	1	225	0.44
Reynolds								
Saline	1	12	2	2	0	17	178	9.55
St. Clair	0	0	0	0	0	0	22	0
State Total	60	88	33	14	22	217	3173	6.84

*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%.

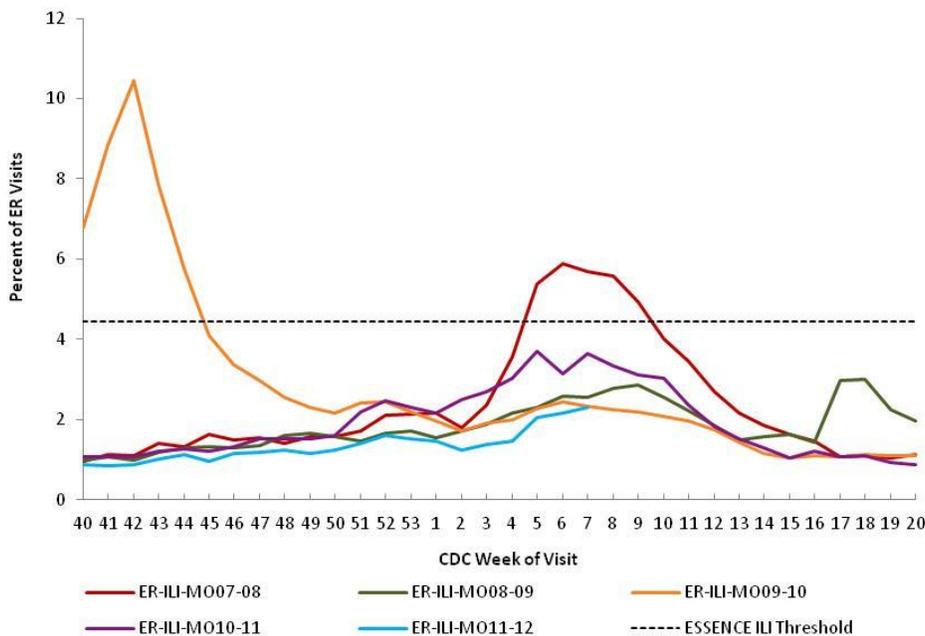
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending February 18, 2012 (Week 7)



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

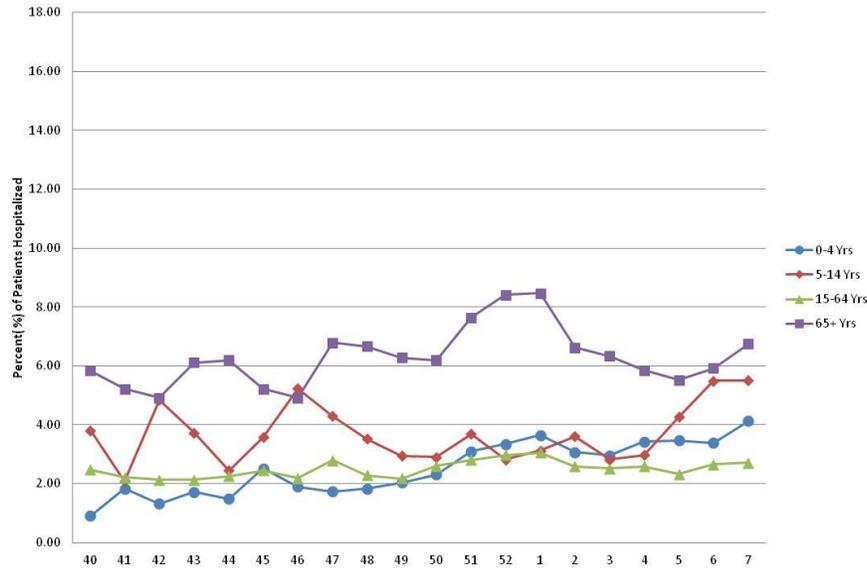
The proportion of patient visits for influenza-like illness is 6.84% for week ending February 18, 2012 (Week 7). This is above Missouri’s baseline of 1.98%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending February 18, 2012 (Week 7)



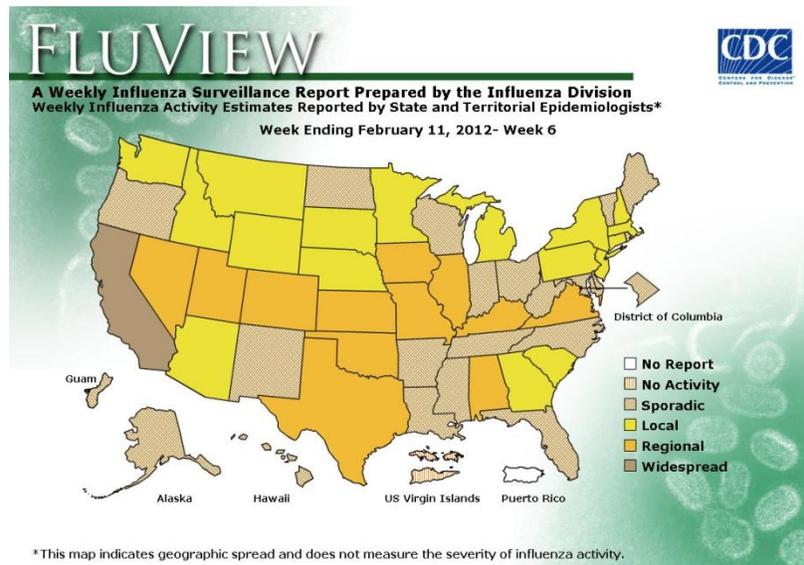
*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

Graph 4. Percentage of Patients Hospitalized for Influenza and/or Pneumonia Syndromes By Age Group from 81 Participating Missouri Hospitals Through the Week Ending February 18, 2012 (Week 7)



*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.

All age groups have increased during week 7.



*This map indicates geographic spread and does not measure the severity of influenza activity.

For the week ending February 18, 2012 (Week 7), Missouri reported **Regional** to CDC. Regional Activity is defined as: Increased ILI in at least 2 regions but fewer than half of the regions, **AND** recent (within the past 3 weeks) lab confirmed influenza in the affected regions. **OR** Institutional outbreaks (ILI or lab confirmed) in at least 2 regions, but fewer than half of the regions, **AND** recent lab confirmed influenza in the affected regions.

For the week ending February 11, 2012 (Week 6), Flu View reported one state with widespread influenza activity, 12 states reported regional influenza activity, 17 states reported local influenza activity, and 20 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).