



Missouri Weekly Influenza Report 2010-2011 Season¹

Missouri is reporting “Regional Activity” to the CDC for Week 11².

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 19, 2011 (Week 11)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 11	330	0	1	8	469	23	831

A total of fourteen specimens were received by the State Public Health Laboratory for viral testing during week 11. One was positive for 2009 Influenza A (H1N1), eight were positive for Influenza A (H3), three were positive for Influenza B, and three were negative.

Table 2. Influenza Season-to-Date and 5-season Median by Influenza Type Through Week Ending March 19, 2011 (Week 11)

Influenza Type	2010-2011 Season	5-Season Median	% Change from 5-Season Median
Influenza A	9,427	8,779	7.4%
Influenza B	4,929	1,994	147.2%
Influenza Unknown Or Untyped	677	2,533	(73.3%)
Total	15,033	14,067	6.9%

Table 3. Influenza Season-to-Date and 5-season Median by Age Group Through Week Ending March 19, 2011 (Week 11)

Age Group	2010-2011 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,341	1,641	(18.3%)
02-04	2,115	2,421	(12.6%)
05-14	4,770	5,923	(19.5%)
15-24	2,251	1,693	33.0%
25-49	3,008	1,880	60.0%
50-64	863	777	11.1%
65+	685	321	113.4%
Total	15,033	14,067	6.9%

Table 4. Influenza Season-to-Date and 5-season Median by District Through Week Ending March 19, 2011 (Week 11)

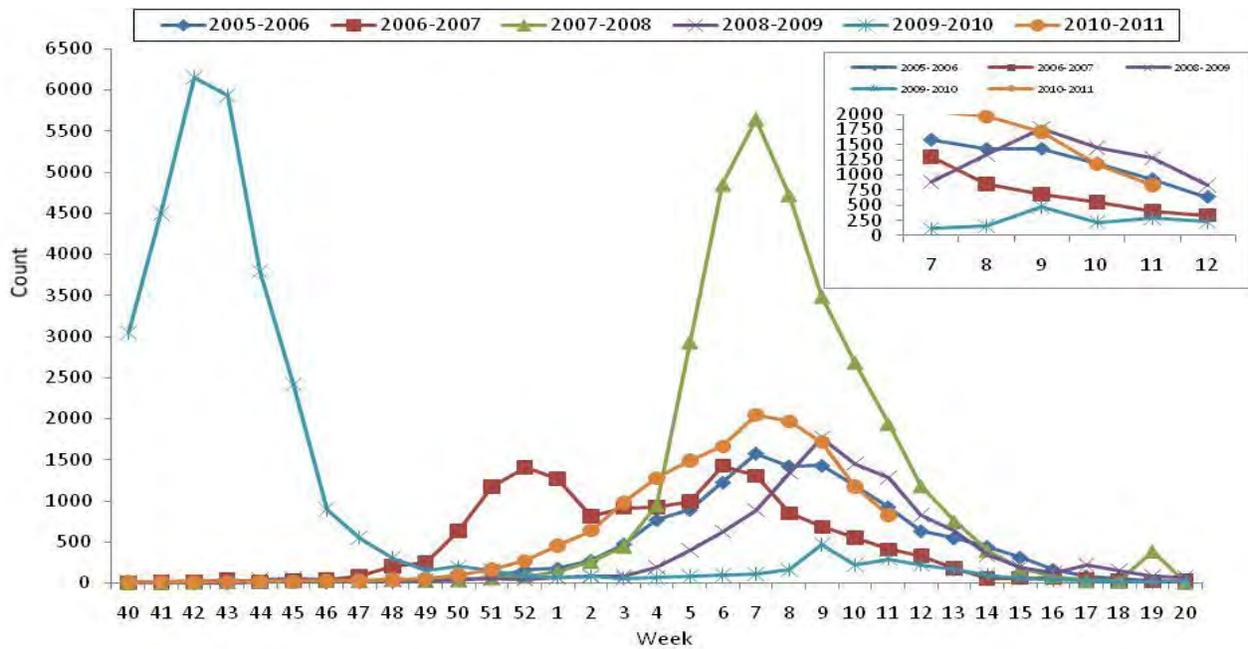
District	2010-2011 Season	5-Season Median	% Change from 5-Season Median
CE	1,331	1,791	(25.7%)
EA	4,218	3,457	22.0%
NW	3,656	3,816	(4.2%)
SE	2,572	1,756	46.5%
SW	3,256	3,381	(3.7%)
Total	15,033	14,067	6.9%

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending March 12, 2011 (Week 10)

Week 10	Season-to-Date 2010-2011	Season-to-Date 2009-2010	Week 10 Last Season*	5 Year Weekly Median
106	2,052	1,476	91	99

*A new system was implemented February 2010 causing P&I death data to be inconsistent.

Graph 1. Reported Influenza Cases 2010-2011 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending March 19, 2011 (Week 11)



The number of reported influenza cases for week 11 of the 2010-2011 season is following historical trends. The 2007-2008 season has higher case counts due to the mismatch of the vaccine and the circulating influenza strain.

Table 6: Outbreaks/Closures Due to Influenza-like Illness

	Outbreaks		Closures	
	Current Season 2010-2011	Previous Season 2009-2010	Current Season 2010-2011	Previous Season 2009-2010
Week 11	0	0	0	0
Season-to-date (Week 40-Week 11)	5	13	0	58

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending March 19, 2011 (Week 11)**

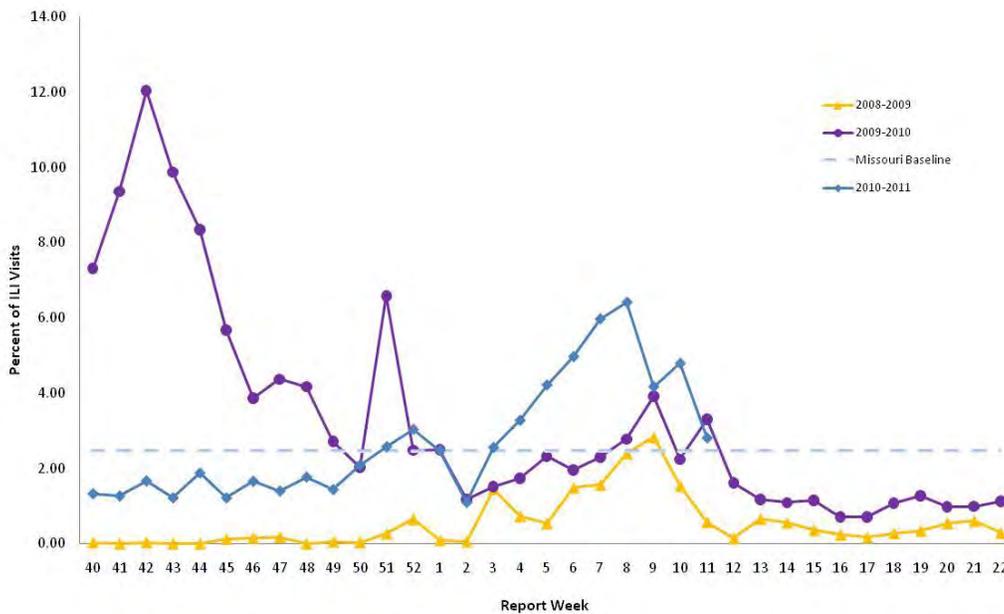
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair								
Audrain								
Boone								
Buchanan								
Butler								
Callaway								
Cape Girardeau	0	0	0	0	0	0	92	0
Clay	0	0	0	0	0	0	183	0
Cole	20	8	9	4	5	46	689	6.68
Dallas	0	0	0	0	0	0	71	0
Franklin								
Greene								
Howell								
Iron								
Jackson	23	22	24	3	9	81	2845	2.85
Kansas City								
Knox								
Lawrence								
Marion								
McDonald	0	2	2	0	0	4	389	1.03
Moniteau	0	1	1	2	0	4	129	3.1
Nodaway								
Pettis								
Phelps	0	2	0	0	0	2	329	0.61
Putnam	0	2	1	0	0	3	179	1.68
Reynolds	1	0	0	0	0	1	42	2.38
Saline								
St. Clair	0	0	0	0	0	0	69	0
St. Louis County								
State Total	44	37	37	9	14	141	5017	2.81

*Only counties with sentinel provider(s) are listed above.

**To learn about ILINet, view the following website: <http://www.cdc.gov/flu/weekly/fluactivity.htm>

***This is **above** the national baseline of 2.5%.

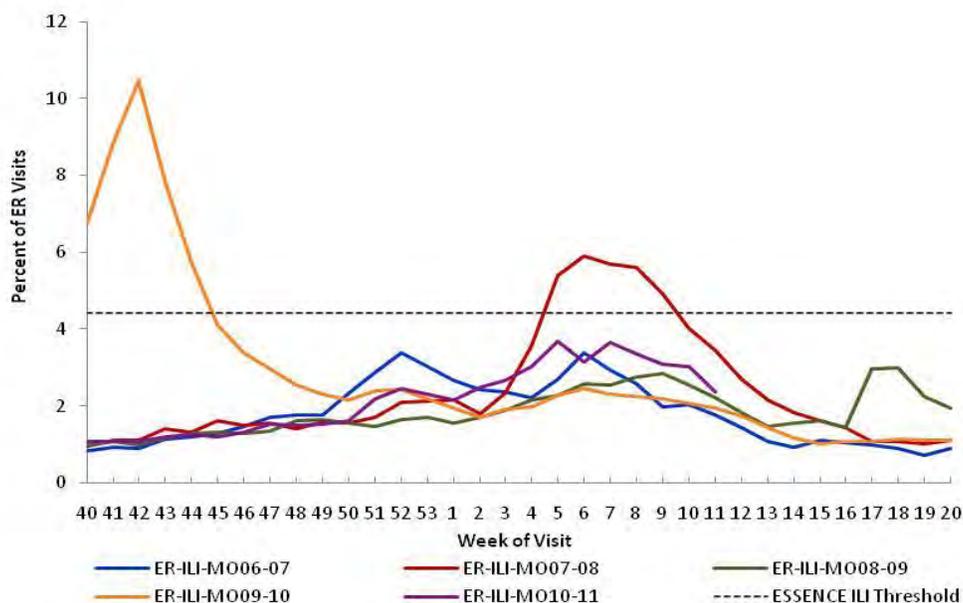
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2010-2011 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending March 19, 2011 (Week 11)



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

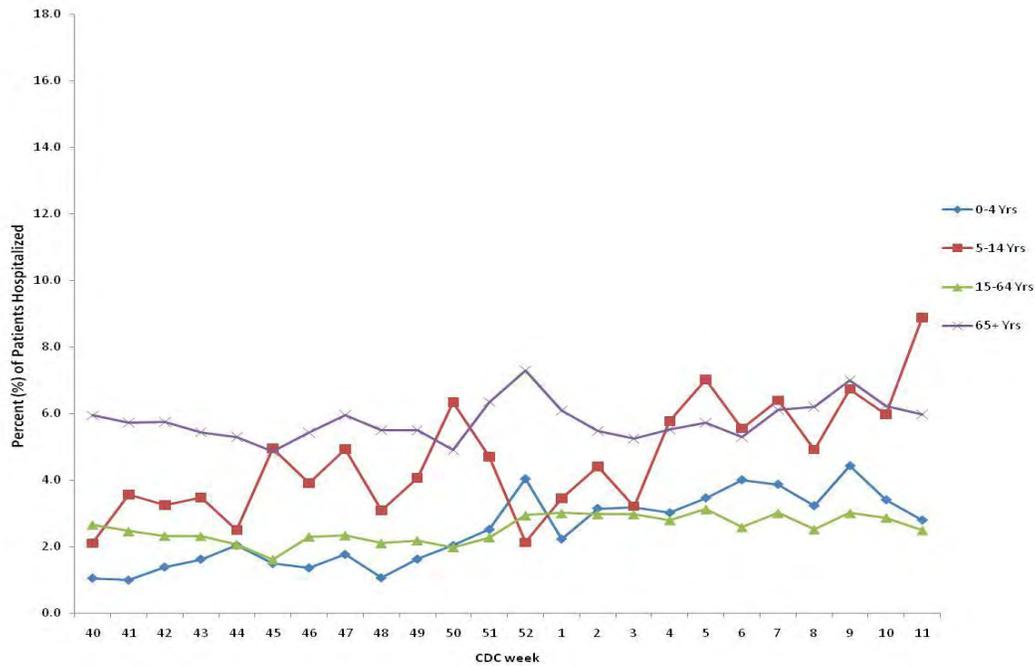
The proportion of patient visits for influenza-like illness has decreased from 4.79% for week 10 to 2.81% for the week ending March 19, 2011 (week 11), as reported by ILINet in Missouri.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2006-2011 Influenza Seasons Through the Week Ending March 19, 2011 (Week 11)

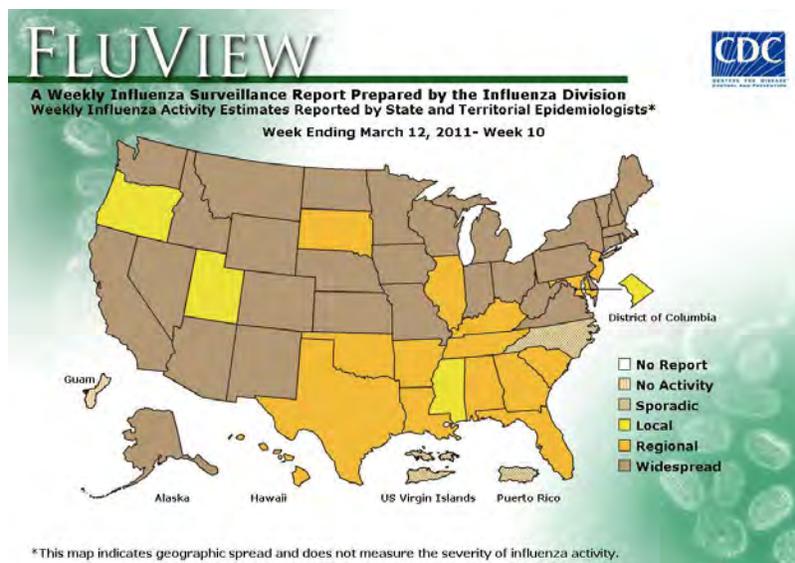


*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

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 19, 2011 (Week 11)



The 5-24 year old age group has increased to 8.88% in Week 11. All other age groups have decreased in Week 11.



For the week ending March 19, 2011 (Week 11), Missouri reported **Regional** activity to the CDC. Regional activity is defined as increased ILI in ≥ 2 but less than half of the regions, recent (within the past 3 weeks) lab confirmed influenza in affected regions. Institutional outbreaks (ILI or lab confirmed) in ≥ 2 and less than half of the regions.

For the week ending March 12, 2011 (Week 10), Flu View reported 31 states with widespread influenza activity; fifteen states reported regional influenza activity; three states reported local influenza activity; and one state 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).