Missouri Weekly Influenza Report
2011-2012 Season[1]

Missouri is reporting "Regional" to the CDC for Week 12[2].

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 24, 2012 (Week 12)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 12	1,324	0	0	3	69	15	1,411

A total of 9 specimens were received by the State Public Health Laboratory for viral testing during week 12. Three were positive for Influenza A (H3), one was positive for Influenza B, and five were negative for influenza.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending March 24, 2012 (Week 12)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	17,069	10,126	68.5%
Influenza B	809	3,077	(73.7%)
Influenza Unknown Or Untyped	717	2,538	(71.7%)
Total	18,595	16,734	11.1%

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending March 24, 2012 (Week 12)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	1,678	1,664	0.8%
02-04	3,175	2,454	29.4%
05-14	6,476	6,161	5.1%
15-24	1,514	2,538	(40.3%)
25-49	3,168	3,320	(4.6%)
50-64	1,191	954	24.8%
65+	1,393	326	327.3%
Total	18,595	16,734	11.1%

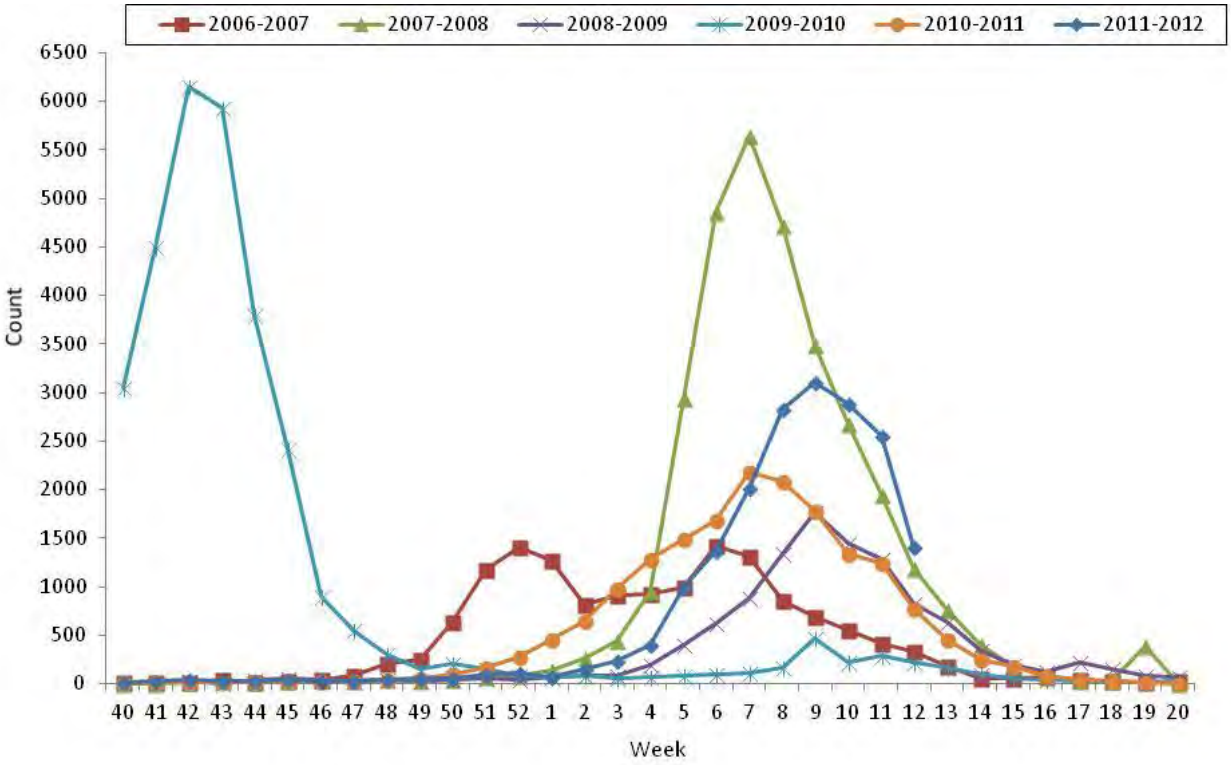
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending March 24, 2012 (Week 12)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	3,786	1,827	107.2%
EA	5,506	4,610	19.4%
NW	6,067	4,211	44.1%
SE	1,077	2,060	(47.7%)
SW	2,159	3,548	(39.1%)
Total	18,595	16,734	11.1%

Table 5. Deaths involving Pneumonia and Influenza (P&I)
Reported During the Week Ending March 17, 2012 (Week 11)

Week 11	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 11 Last Season	5 Year Weekly Median
135	2,297	2,172	120	105

Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending March 24, 2012 (Week 12)



The number of reported influenza cases for week 12 of the 2011-2012 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness
Reported During the Week Ending March 24, 2012 (Week 12)

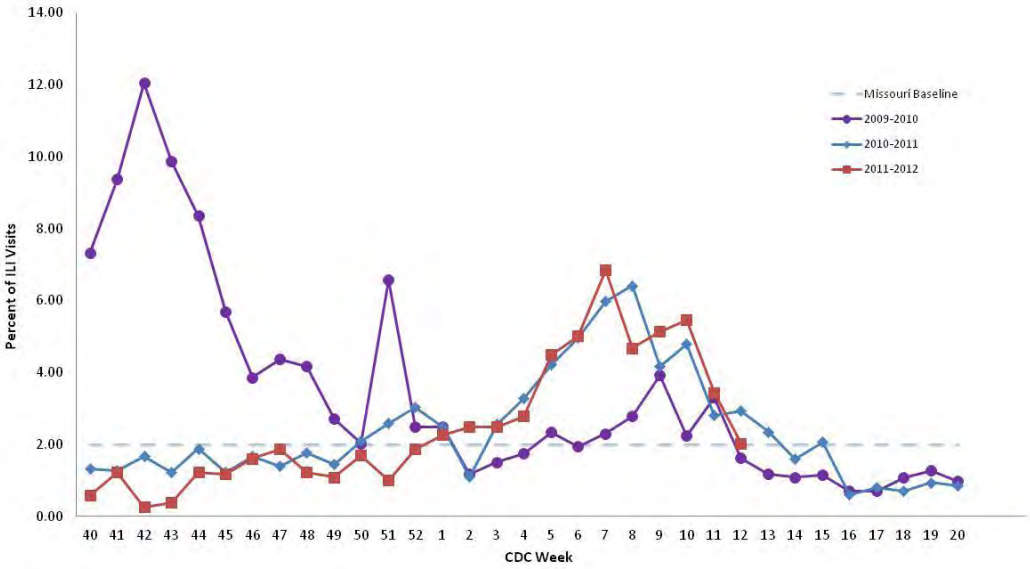
	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
Week 12	0	0	0	0
Season-to-Date (Week 40-Week 12)	9	5	14	0

Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County Influenza-like Illness (ILI) for the Week Ending March 24, 2012 (Week 12)

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	83	0
Clay	0	0	0	0	0	0	246	0
Cole	11	11	6	5	6	39	645	6.05
Gasconade								
Greene								
Howell								
Iron								
Jackson	13	15	19	2	1	50	3018	1.66
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	1	1	84	1.19
McDonald	0	1	0	2	0	3	316	0.95
Moniteau	0	0	0	0	0	0	149	0
Nodaway								
Pettis								
Phelps	0	3	1	0	0	4	329	1.26
Putnam	0	2	1	0	0	3	227	1.32
Reynolds	0	0	0	0	0	0	37	0
Saline	2	1	0	6	0	9	187	4.81
St. Clair	0	0	0	0	0	0	47	0
State Total	26	33	27	15	8	109	5368	2.03

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

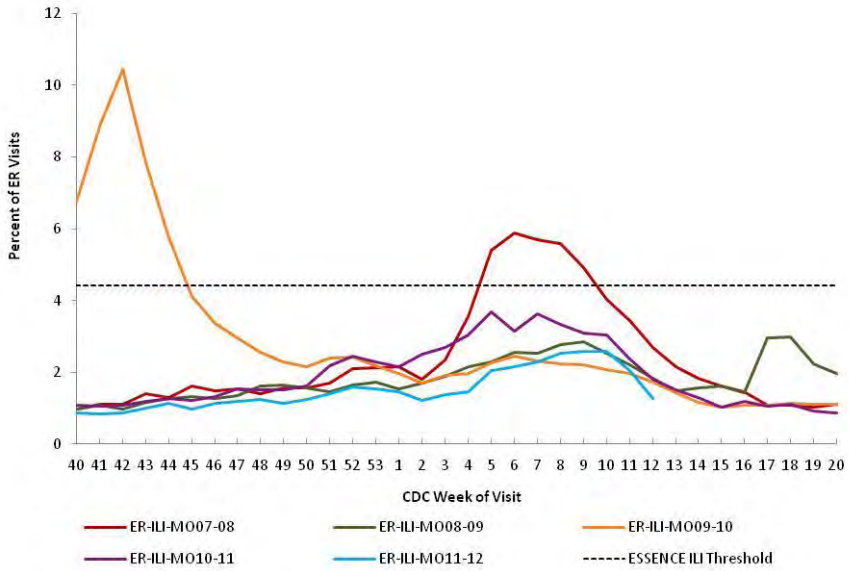
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending March 24, 2012 (Week 12)



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

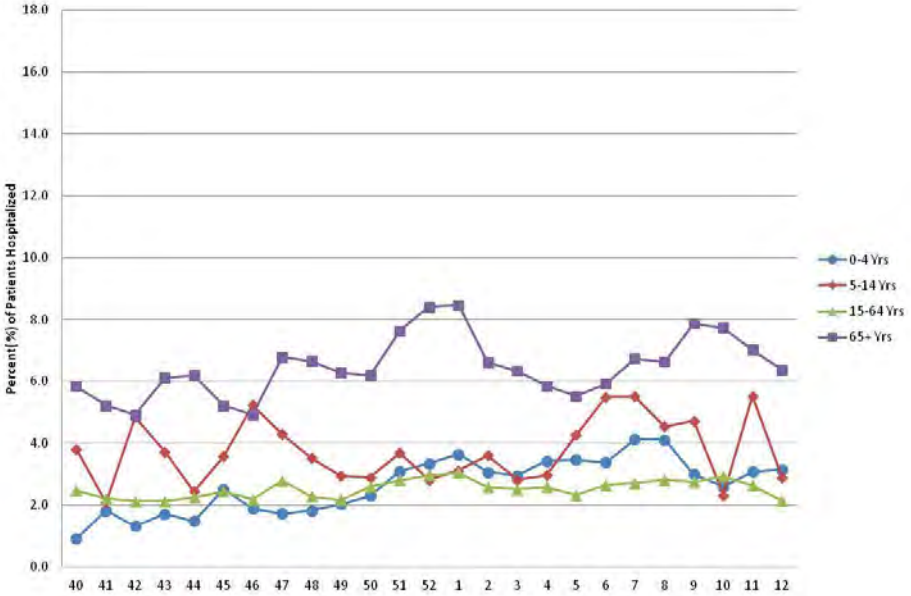
The proportion of patient visits for influenza-like illness is 2.03% for week ending March 24, 2012 (Week 12). This is above Missouri's baseline of 1.98%.

Graph 3. Weekly Percentage of Influenza-like Illness Chief Complaints in ESSENCE Participating Hospitals 2007-2012 Influenza Seasons Through the Week Ending March 24, 2012 (Week 12)



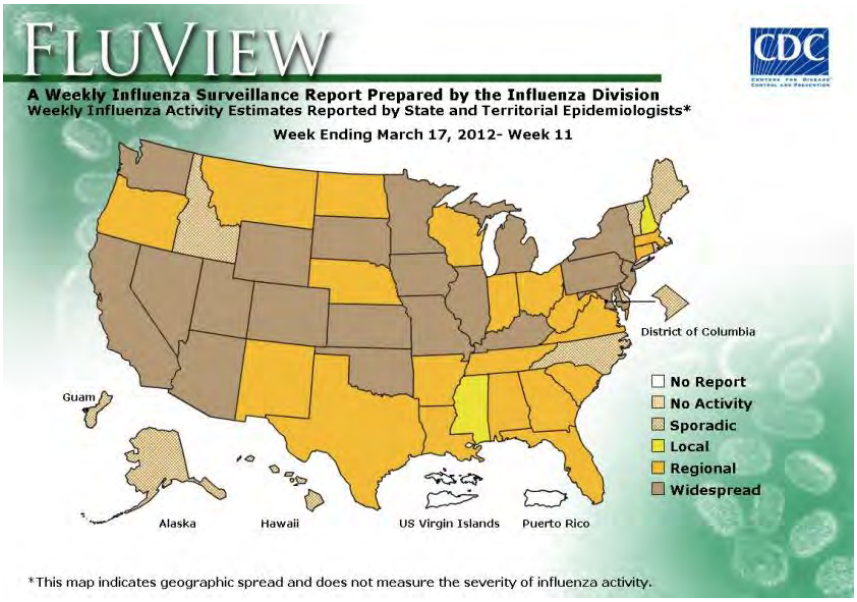
*ESSENCE ILI Threshold refers to the mean plus 2 standard deviations of the values during previous influenza seasons (week 40-20, 2006-2007) when influenza activity was low.

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 24, 2012 (Week 12)



*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 0-4 year age group has increased to 3.16% in Week 12. All other age groups have decreased in Week 12.



For the week ending March 24, 2012 (Week 12), 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 March 17, 2012 (Week 11), Flu View reported 20 states with widespread influenza activity, 20 states reported regional influenza activity, two states reported local influenza activity, and eight 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**.

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[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).