



Missouri Weekly Influenza Report 2011-2012 Season¹

Missouri is reporting “Regional” to the CDC for Week 3².

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 January 21, 2012 (Week 3)

Serogroups	A (non-typed)	A (H1)	A (H1N1)	A (H3)	B	A or B Untyped (rapid test)	Total
Week 3	132	0	0	5	3	3	143

A total of 12 specimens were received by the State Public Health Laboratory for viral testing during week 3. Five were positive for Influenza A (H3), one was positive for Influenza B and six were negative for influenza.

Table 2. Influenza Season-to-Date and 5-Season Median by Influenza Type Through Week Ending January 21, 2012 (Week 3)

Influenza Type	2011-2012 Season	5-Season Median	% Change from 5-Season Median
Influenza A	568	2,375	(76.1%)
Influenza B	264	423	(37.6%)
Influenza Unknown Or Untyped	53	236	(77.5%)
Total	885	2,876	(69.2%)

Table 3. Influenza Season-to-Date and 5-Season Median by Age Group Through Week Ending January 21, 2012 (Week 3)

Age Group	2011-2012 Season	5-Season Median	% Change from 5-Season Median
00-<02	71	254	(72.0%)
02-04	109	407	(73.2%)
05-14	229	714	(67.9%)
15-24	84	483	(82.6%)
25-49	202	680	(70.3%)
50-64	78	181	(56.9%)
65+	112	127	(11.8%)
Total	885	2,876	(69.2%)

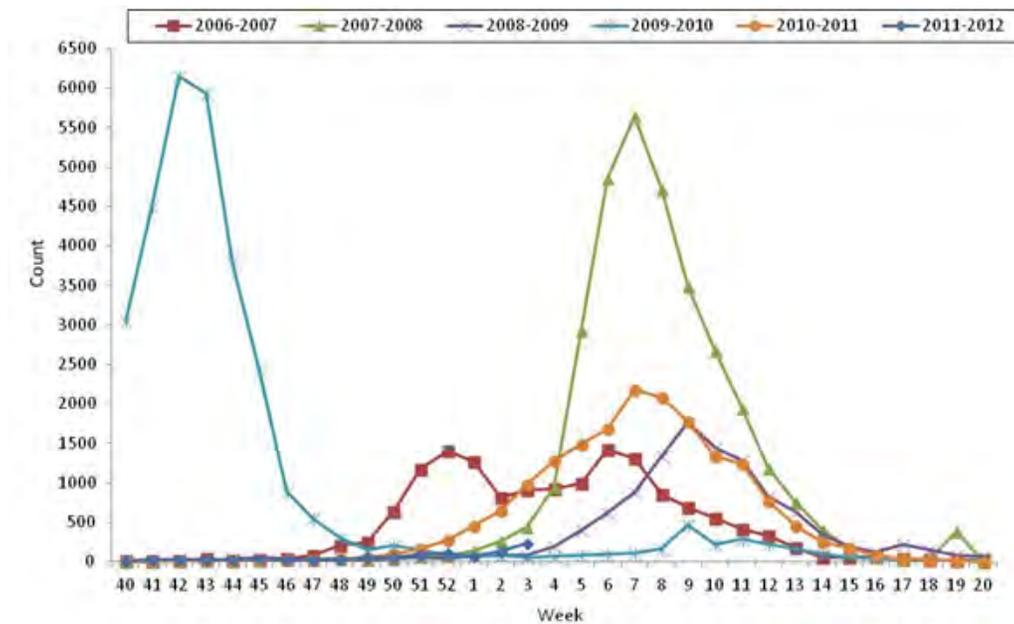
Table 4. Influenza Season-to-Date and 5-Season Median by District Through Week Ending January 21, 2012 (Week 3)

District	2011-2012 Season	5-Season Median	% Change from 5-Season Median
CE	140	313	(55.3%)
EA	157	1,410	(88.9%)
NW	452	356	27.0%
SE	57	406	(86.0%)
SW	79	391	(79.8%)
Total	885	2,876	(69.2%)

Table 5. Deaths involving Pneumonia and Influenza (P&I) Reported During the Week Ending January 14, 2012 (Week 2)

Week 2	Season-to-Date 2011-2012	Season-to-Date 2010-2011	Week 2 Last Season	5 Year Weekly Median
129	1,360	1,318	56	91

Graph 1. Reported Influenza Cases 2011-2012 Season-To-Date as compared to the previous Five Influenza Seasons Through the Week Ending January 21, 2012 (Week 3)



The number of reported influenza cases for week 3 of the 2011-2012 season is following historical trends.

Table 6. Outbreaks/Closures Due to Influenza-like Illness Reported During the Week Ending January 21, 2012 (Week 3)

	Outbreaks		Closures	
	Current Season 2011-2012	Previous Season 2010-2011	Current Season 2011-2012	Previous Season 2010-2011
Week 3	2	0	0	0
Season-to-Date (Week 40-Week 3)	2	0	0	0

**Table 7. U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) by County
Influenza-like Illness (ILI) for the Week Ending January 21, 2012 (Week 3)**

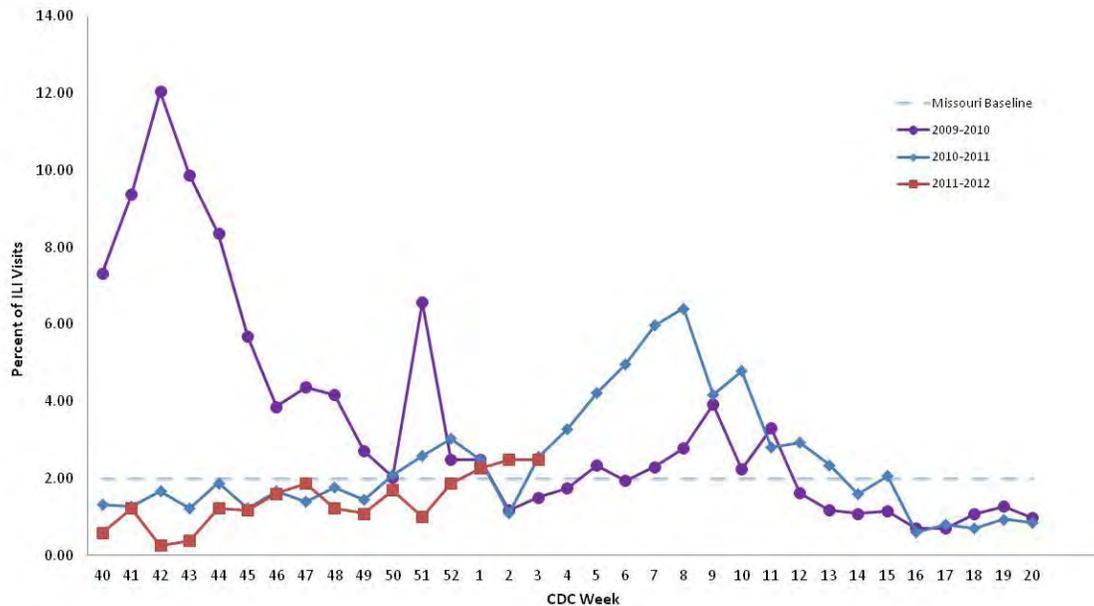
Jurisdiction	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65+	Total ILI Patients Seen	Total Patients Seen	Percent ILI
Adair	0	0	0	0	0	0	189	0
Audrain								
Boone								
Buchanan								
Butler								
Callaway	0	1	2	1	1	5	164	3.05
Cape Girardeau	0	0	0	0	0	0	76	0
Clay	0	0	0	0	0	0	247	0
Cole	13	10	9	4	10	46	600	7.67
Gasconade								
Greene								
Howell								
Iron								
Jackson	20	27	12	6	1	66	2901	2.28
Kansas City								
Knox								
Lawrence								
Marion	0	0	0	0	0	0	73	0
McDonald	0	0	0	0	0	0	191	0
Moniteau	0	0	1	1	0	2	129	1.55
Nodaway								
Pettis								
Phelps	0	2	0	0	0	2	268	0.75
Putnam	0	1	0	0	0	1	120	0.83
Reynolds	0	0	0	0	0	0	41	0
Saline	1	2	1	3	0	7	145	4.83
St. Clair	0	0	0	0	0	0	44	0
State Total	34	43	25	15	12	129	5188	2.49

*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%.

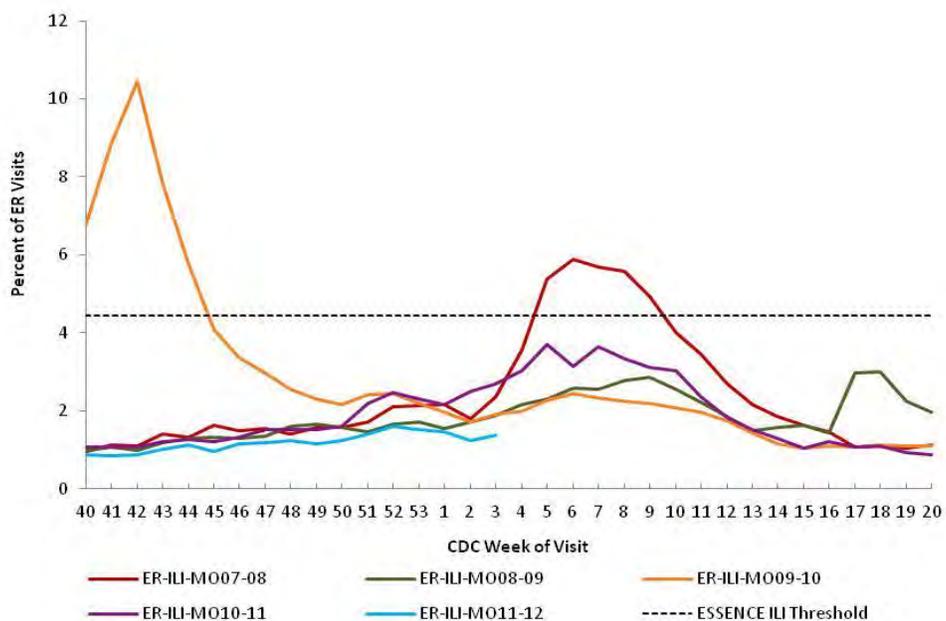
Graph 2. Percentage of Visits for Influenza-like-Illness (ILI) Reported by the Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2012 Season-To-Date as compared to the previous Two Influenza Seasons Through the Week Ending January 21, 2012 (Week 3)



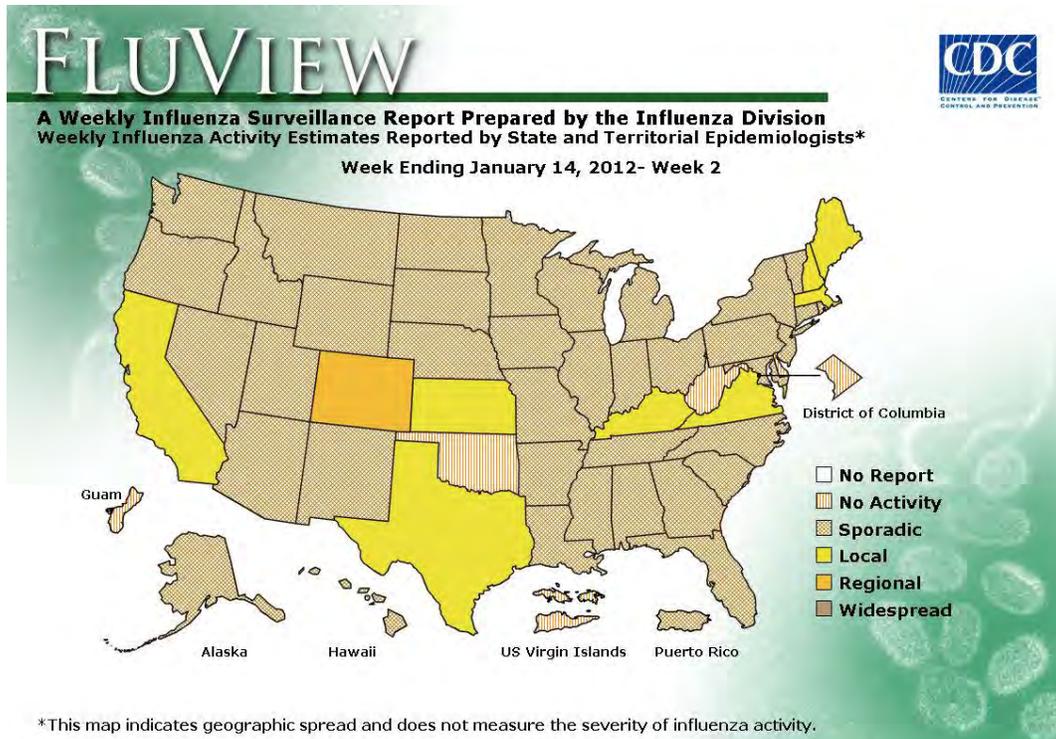
ILINet baseline refers to the mean plus two standard deviations of the values during previous influenza seasons (week 40-20, 2008-2009)

The proportion of patient visits for influenza-like illness is 2.49% for week ending January 21, 2012 (Week 3). 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 January 21, 2012 (Week 3)



*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.



For the week ending January 21, 2012 (Week 3), 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 January 14, 2012 (Week 2), Flu View reported no states with widespread influenza activity. One state reported regional influenza activity, eight states reported local influenza activity, 38 states reported sporadic influenza activity and three states reported no 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**.

¹All data in this report are provisional and may change as reports are updated.

²Influenza 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).