



# Missouri Weekly Influenza Surveillance Report 2014-2015 Influenza Season<sup>1</sup>

## Week 40: September 28 – October 4, 2014

*All data are preliminary and may change as more reports are received.*

### Summary:

- The estimated influenza activity in Missouri is No Activity<sup>2</sup>.
- No specimens were received by the State Public Health Laboratory for viral testing during week 40. A season-to-date total of eight influenza cases have been reported in Missouri.
- Influenza-like illness activity continues to remain well below baseline for both the Missouri Outpatient ILI Surveillance Network (ILINet) and hospital emergency room visit chief complaint data reported through ESSENCE. The reported percentage of visits for ILI was 0.39% and 0.8% through ILINet and ESSENCE respectively<sup>3</sup>.
- No outbreaks of influenza or ILI were reported during Week 40 in Missouri. No ILI-associated school closures were reported during Week 40.
- No influenza-associated pediatric deaths have been reported in Missouri to date, this influenza season. During Week 39, 63 deaths were reported involving Pneumonia and Influenza (P&I) reported to the Bureau of Vital Records, resulting in a season-to-date total of 63 P&I associated deaths in Missouri<sup>4</sup>.
- National influenza activity and surveillance information is prepared by the Centers for Disease Control and Prevention (CDC). The information including a weekly report (FLUVIEW) is available online at <http://www.cdc.gov/flu/weekly/fluactivitysurv.htm>.

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<sup>1</sup>The 2014-2015 influenza season in Missouri began CDC Week 40 (Week ending October 4, 2014) through CDC Week 20 (week ending May 23, 2015).

<sup>2</sup>No activity is defined as influenza-like illness activity is low and there are no lab confirmed cases. The influenza activity reported by state and territorial epidemiologists indicates geographic spread of influenza viruses, but does not measure the severity of influenza activity. Influenza activity is reported to the Centers for Disease Control and Prevention each Wednesday during the influenza season.

<sup>3</sup>Influenza-like Illness (ILI) is defined as fever (temperature of 100°F [37.8°C] or greater) and a cough and/or a sore throat without a known cause other than influenza.

<sup>4</sup>The P&I data are available one week later. The P&I data for the CDC Week provided is the most current data available.

## Surveillance Data:

**Table 1. Number of Laboratory-positive Influenza Cases by Influenza Type, Missouri, CDC Week 40 (September 28 – October 4, 2014)**

Influenza Type	Week 40	2014-2015 Season-to-Date*
Influenza A	2	2
Influenza B	6	6
Influenza Unknown Or Untyped	0	0
<b>Total</b>	<b>8</b>	<b>8</b>

\*Influenza Season begins Week Ending October 4, 2014 (CDC Week 40)  
Data Source: Missouri Health Information Surveillance System (WebSurv).

**Table 2. Number of Laboratory-positive Influenza Cases and Case Rates by Age Group, Missouri, CDC Week 40 (September 28 – October 4, 2014)**

Age Group	Week 40 Cases	Week 40 Rate*	2014-2015 <sup>†</sup> Season-to-Date	2014-2015 <sup>†</sup> Season-to-Date Rate*
00-04	2	1	2	1
05-14	0	0	0	0
15-64	4	0	4	0
65+	2	0	2	0
<b>Total</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>0</b>

\*Incidence Rate per 100,000 population

<sup>†</sup>Influenza Season begins Week Ending October 4, 2014 (CDC Week 40)  
Data Source: Missouri Health Information Surveillance System (WebSurv)

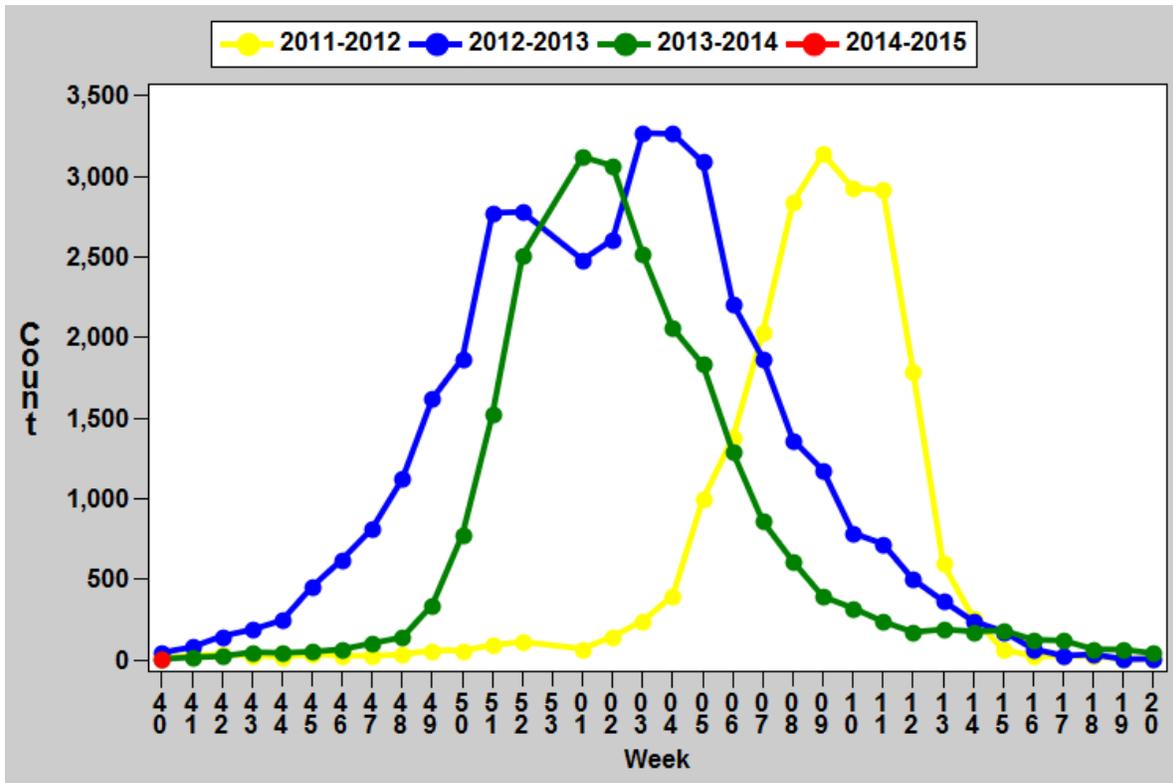
**Table 3. Number of Laboratory-positive Influenza Cases and Case Rates by Region, Missouri, CDC Week 40 (September 28 – October 4, 2014)**

District	Week 40 Cases	Week 40 Rate*	2014-2015 <sup>†</sup> Season-to-Date	2014-2015 <sup>†</sup> Season-to-Date Rate*
CE	3	0	3	0
EA	3	0	3	0
NW	2	0	2	0
SE	0	0	0	0
SW	0	0	0	0
<b>Total</b>	<b>8</b>	<b>0</b>	<b>8</b>	<b>0</b>

\*Incidence Rate per 100,000 population

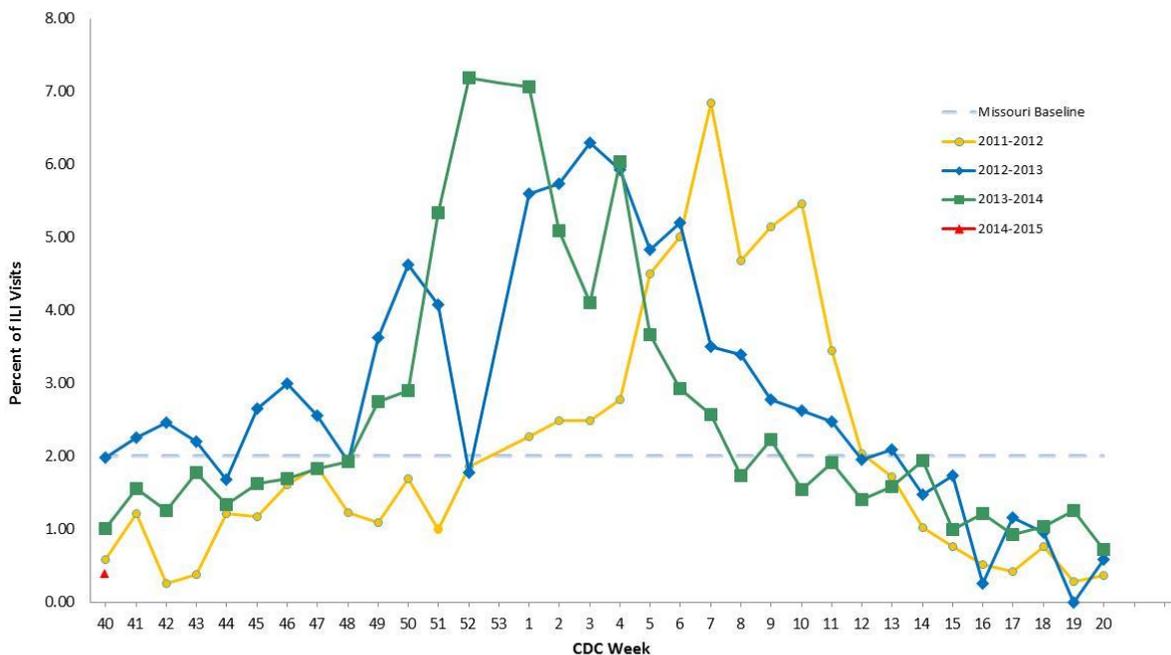
<sup>†</sup>Influenza Season begins Week Ending October 4, 2014 (CDC Week 40)  
Data Source: Missouri Health Information Surveillance System (WebSurv)

**Graph 1. Number of Laboratory-positive Influenza Cases by CDC Week, Missouri, 2011 – 2015\***



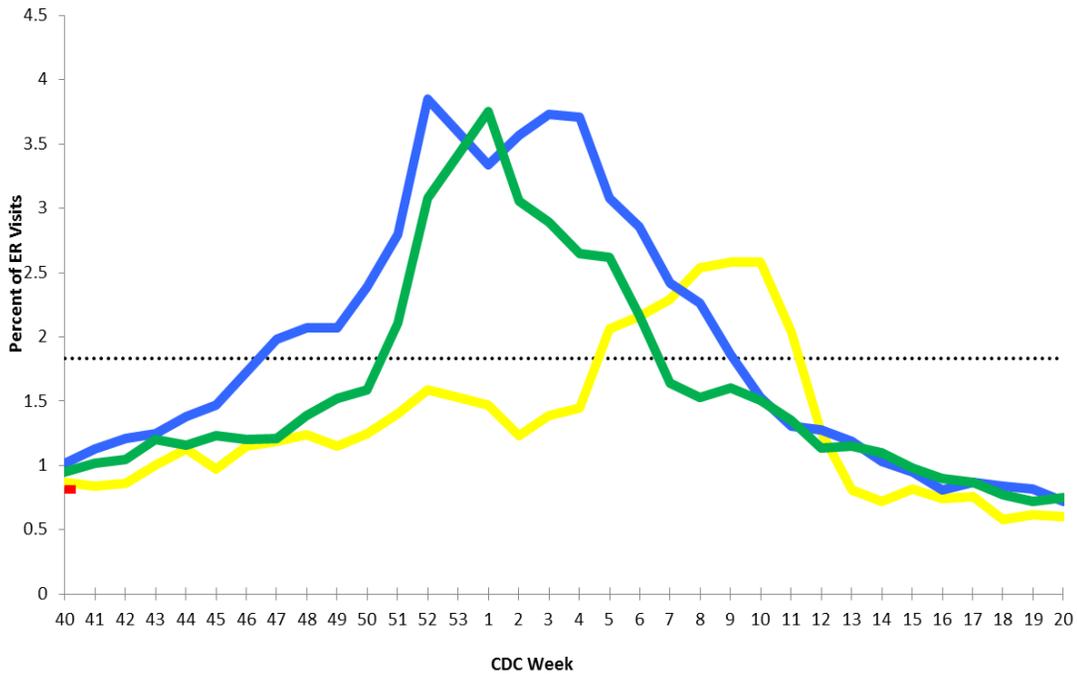
\*2014-2015 Season-to-Date through the week ending May 23, 2015 (Week 20)  
 Data Source: Missouri Health Information Surveillance System (WebSurv).

**Graph 2. Percentage of Visits for Influenza-like-Illness (ILI), Missouri Outpatient ILI Surveillance Network (ILINet) 2011-2015\***



\*2014-2015 Season-to-Date through the week ending May 23, 2015 (Week 20)

**Graph 3. Percentage of Emergency Room Visits with Chief Complaint of Influenza-like Illness (ILI), ESSENCE Participating Hospitals in Missouri, 2011-2015\***



\*2014-2015 Season-to-Date through the week ending May 23, 2015 (Week 20)  
 ESSENCE ILI Baseline is the mean of the values during previous influenza seasons (week 40-20, 2006-07, 2008-09 and 2010-2011) when influenza activity was low.

**Table 4. Percentage of Emergency Room Visits with Chief Complaint of Influenza-like Illness (ILI) from ESSENCE Participating Hospitals by Age Group, Missouri, CDC Week 40 (September 28 – October 4, 2014)**

District	Age 0-4	Age 5-17	Age 18-44	Age 45-64	Age 65+	Total Percentage
Northwest	1.3%	1.6%	0.7 %	0.7%	0.3%	0.8%
Central	3.2%	1.3 %	1.2%	0.7%	0.4%	1.1%
Eastern	0.9%	0.6%	0.5%	0.4%	0.3%	0.5%
Southeast	2.9%	2.1%	0.3%	0.3%	0.8%	0.8%
Southwest	4.1%	3.9%	0.9%	0.5 %	0.4%	1.4 %
<b>Statewide</b>	<b>2.0 %</b>	<b>1.8%</b>	<b>0.7 %</b>	<b>0.5%</b>	<b>0.4%</b>	<b>0.8%</b>

\*2014-2015 Season-to-Date through the week ending May 23, 2015 (Week 20)