



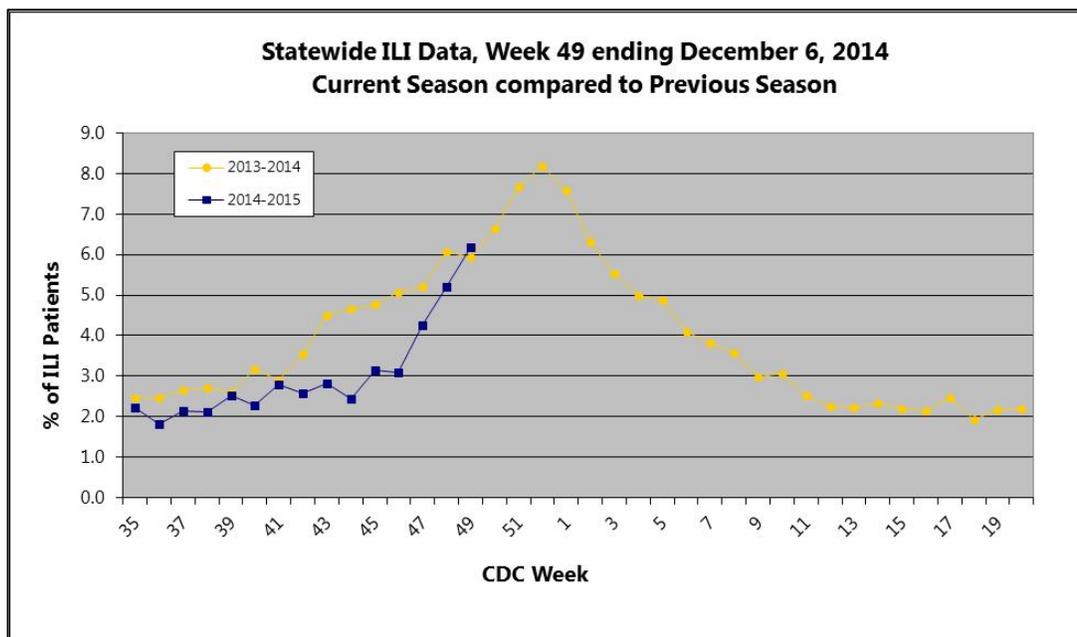
# 2014-2015 Influenza Report Week 49

November 30 – December 6, 2014

## About our flu activity reporting

MSDH relies upon selected sentinel health practitioners across the state to report the percentage of total patient visits consistent with an influenza-like illness (ILI: fever of 100°F or higher AND cough and/or sore throat). Also, providers are supplied with specimen collection kits. Samples are submitted to the Mississippi Public Health Laboratory for influenza PCR testing. Reports are used to estimate the state's ILI rate and the magnitude of the state's influenza activity. Reports represent only the distribution of flu in the state, not an actual count of all flu cases statewide. **Information is provisional only and may change depending on additional reporting from sentinel providers.**

## State ILI Surveillance



During week **49** (11/30/14-12/06/14), the overall state ILI rate (**6.2%**) **increased** from the previous week (**5.2%**), but was comparable to this time last year (**5.9%**). |

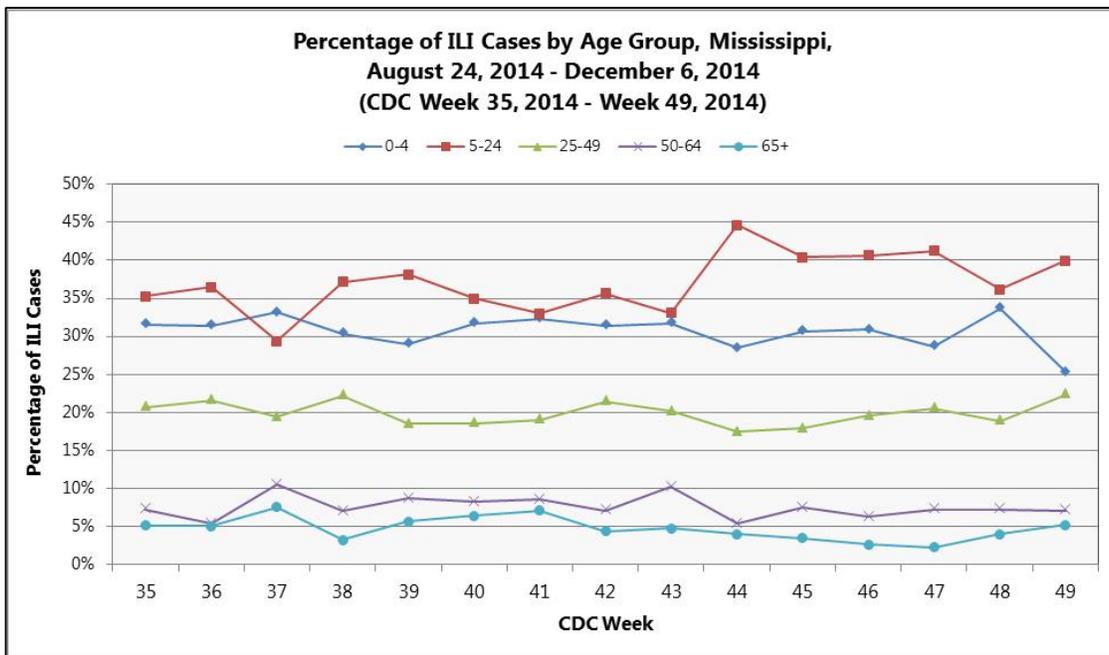
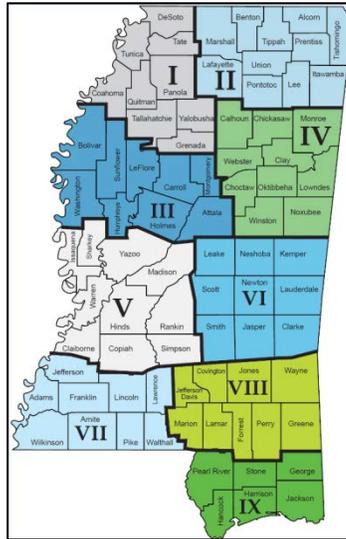
**Figure 1**

Total number of patients treated by sentinel providers in the last three weeks. | **Table 1**

2014-2015 Influenza Season				
CDC Week	Week Ending	Total patients	ILI symptoms	ILI Rate (%)
<b>49</b>	<b>Dec. 06</b>	<b>19319</b>	<b>1193</b>	<b>6.2%</b>
48	Nov. 29	17763	926	5.2%
47	Nov. 22	18398	784	4.3%

During week **49**, **five** districts (3, 5, 6, 7, and 9) had an increase in ILI activity, while **one** district (4) had a slight decrease. **Three** districts (1, 2, and 8) remained about the same. *Information is provisional only and may change depending on additional reporting from sentinel providers.* | **Table 2**

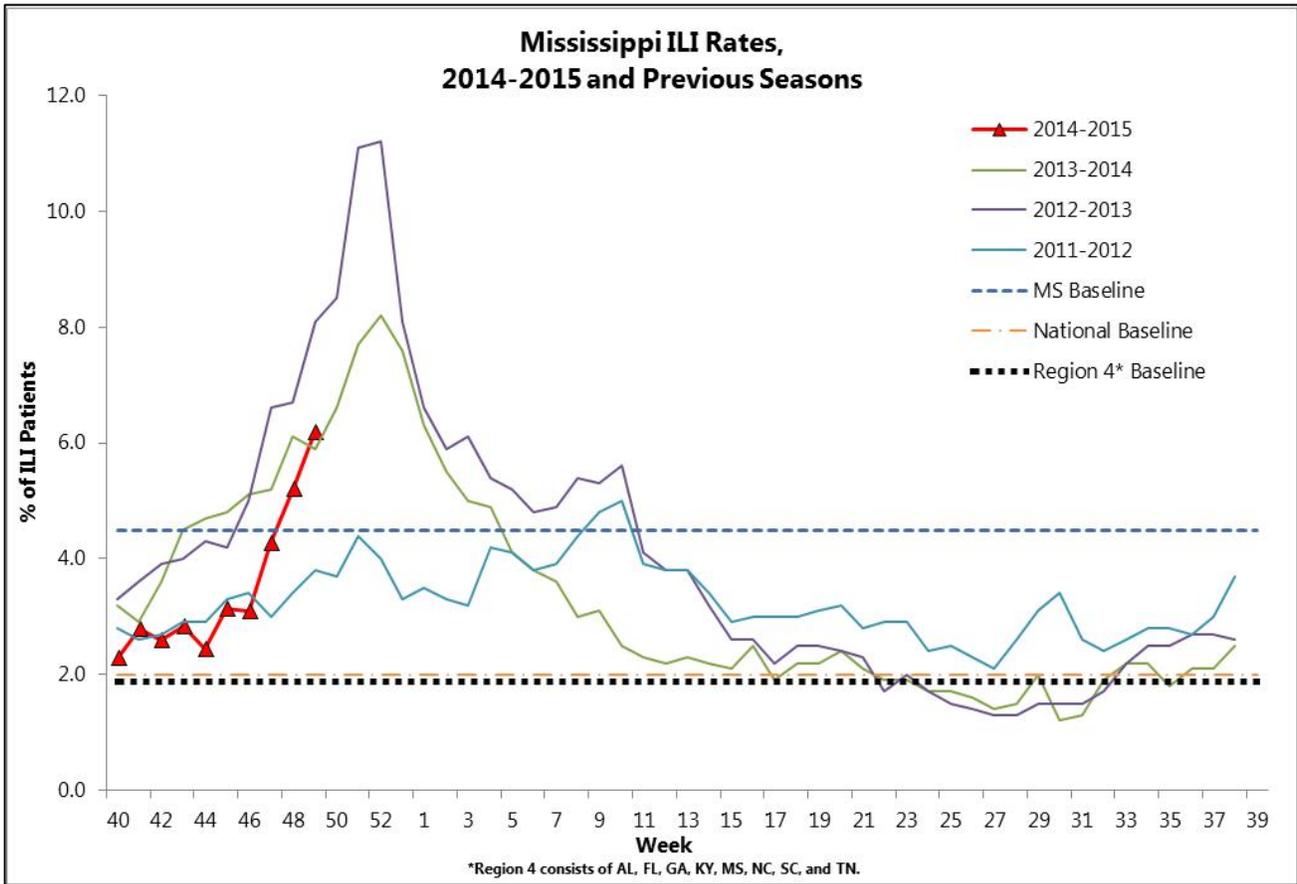
MSDH District ILI Rates (%) 2014-2015		
District	Week 48	Week 49
State	5.2	6.2
I	1.9	2.4
II	6.3	6.1
III	2.3	6.1
IV	5.7	5.1
V	3.6	4.5
VI	7.3	10.4
VII	5.6	7.4
VIII	4.4	4.9
IX	7.1	9.3



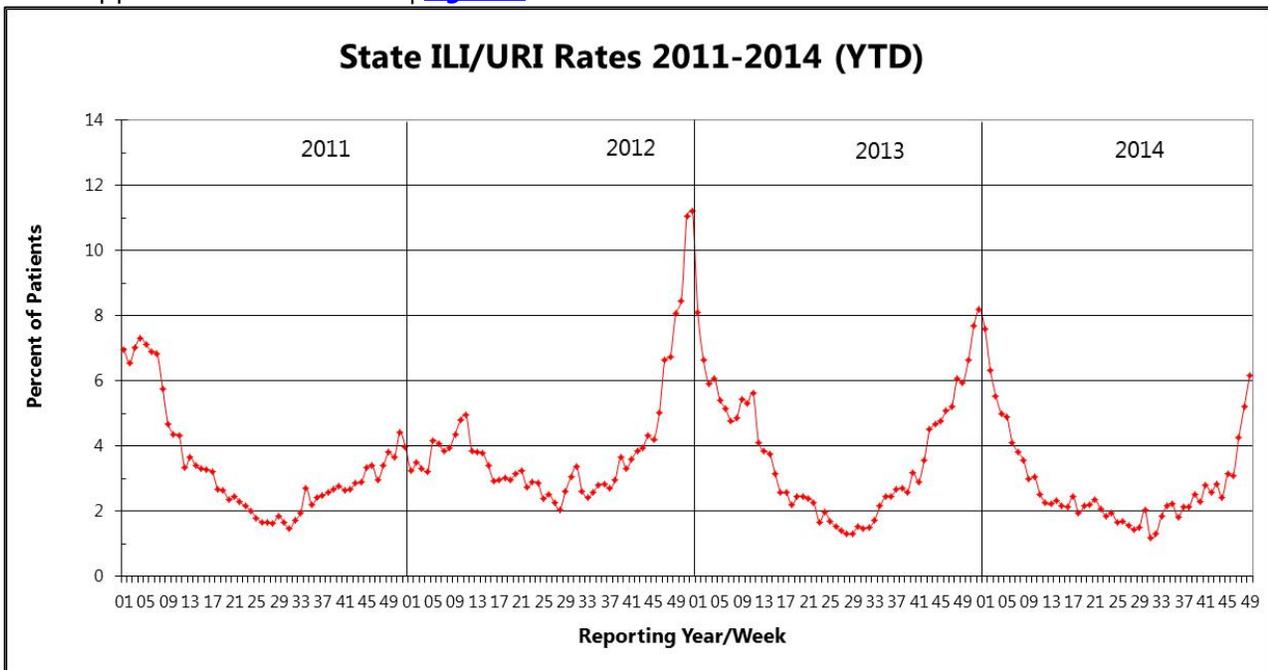
Since week 35, the percentage of reported ILI cases has been highest among those in the **5-24 years** of age group. This trend continued

into week **49**. | [Figure 2](#)

The 2014-15 state ILI rate was **above** the national, Region 4, and the state baselines for week **49**. | [Figure 3](#)



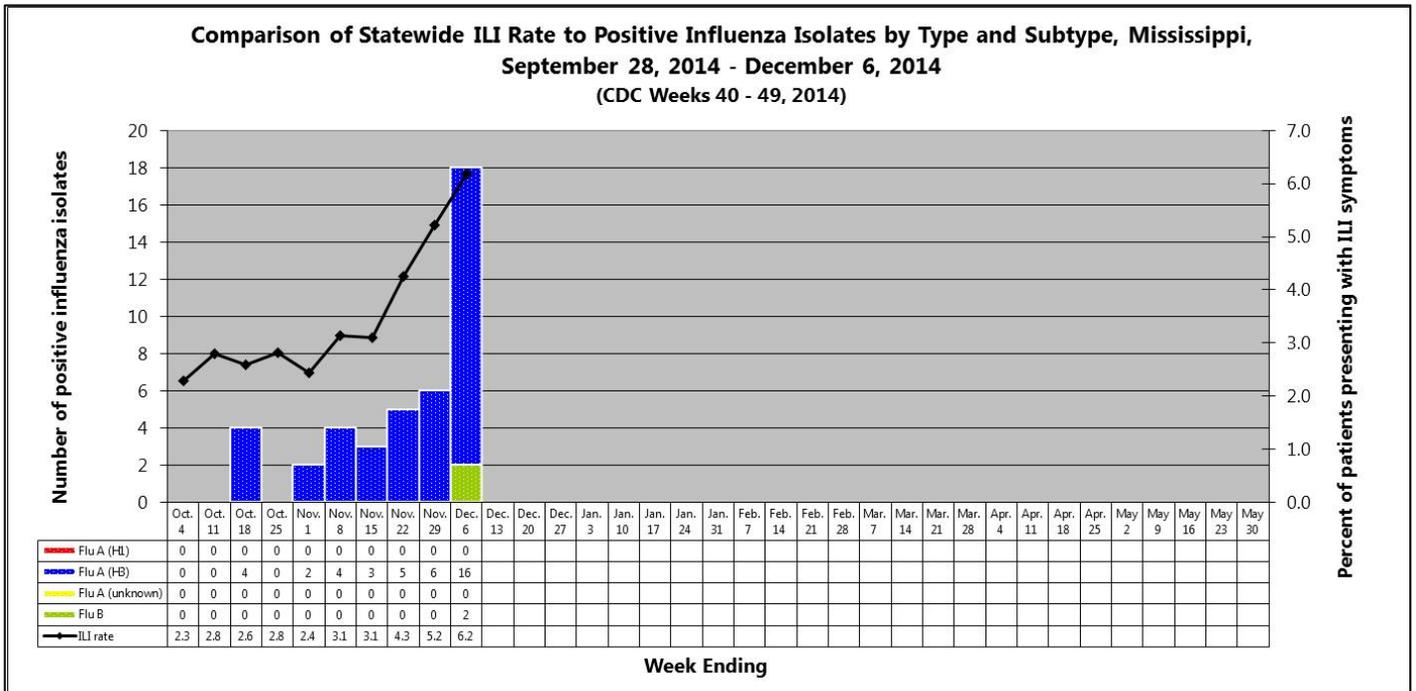
Mississippi ILI Rates 2011-2014 | [Figure 4](#)



### Flu Testing Reports

From week **40** (week ending October 4<sup>th</sup>) through week **49** (week ending December 6<sup>th</sup>), 42 positive influenza samples were identified by MSDH. Forty samples were identified as influenza A (H3) and two were identified as influenza B.

The influenza cases were identified from the following counties: Benton (2), Forrest (1), Franklin (1), Harrison (5), Jefferson Davis (1), Jones (3), Lauderdale (4), Madison (3), Marion (1), Marshall (10), Monroe (1), Pike (2), Rankin (1), Simpson (1), Tate (1), Union (1), Wilkinson (3), and Yazoo (1). | [Figure 5](#)



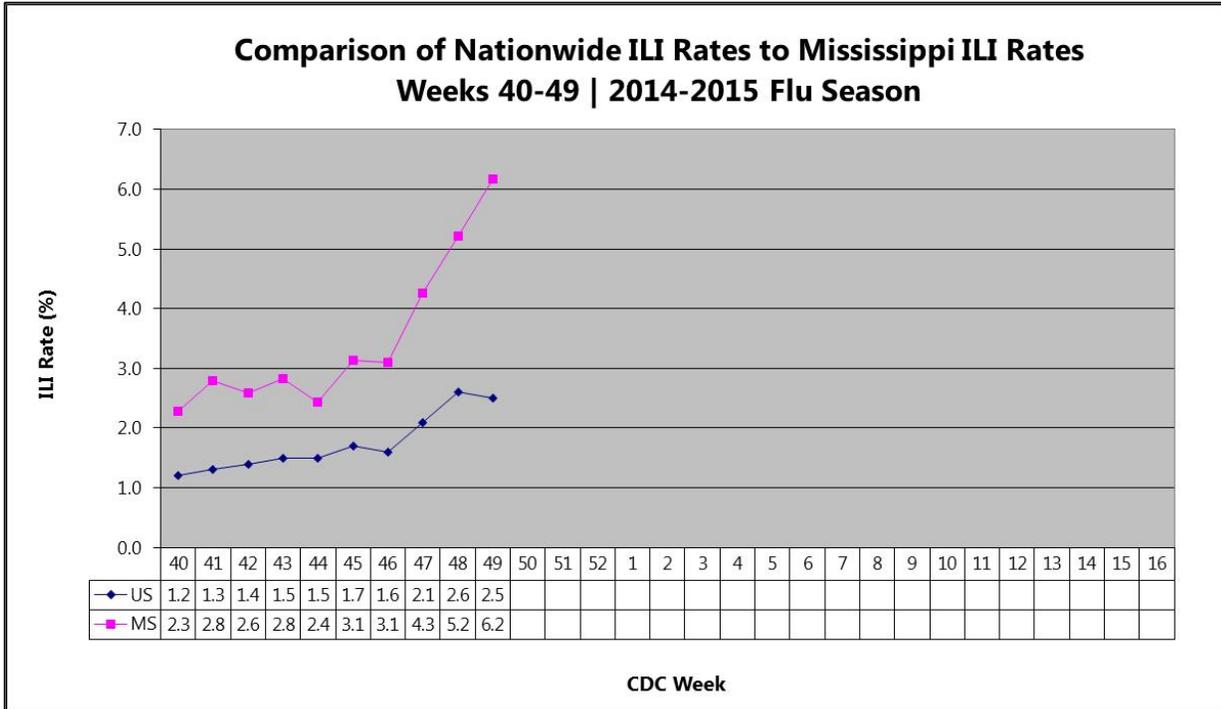
### National and Mississippi Pediatric Mortality Surveillance

Nationally, **two** influenza-associated pediatric deaths were reported to CDC during week **49**. One death was associated with an influenza A (H3) virus and one was associated an influenza A virus for which no subtyping was performed. Both deaths occurred during week 48 (week ending November 29<sup>th</sup>). To date, **seven** influenza-associated pediatric deaths have been reported nationally during the 2014-2015 influenza season.

Mississippi has had **no** influenza-associated pediatric deaths reported during this influenza season. For additional information on influenza-associated pediatric deaths, please refer to the [CDC's FluView](#).

**National ILI Surveillance**

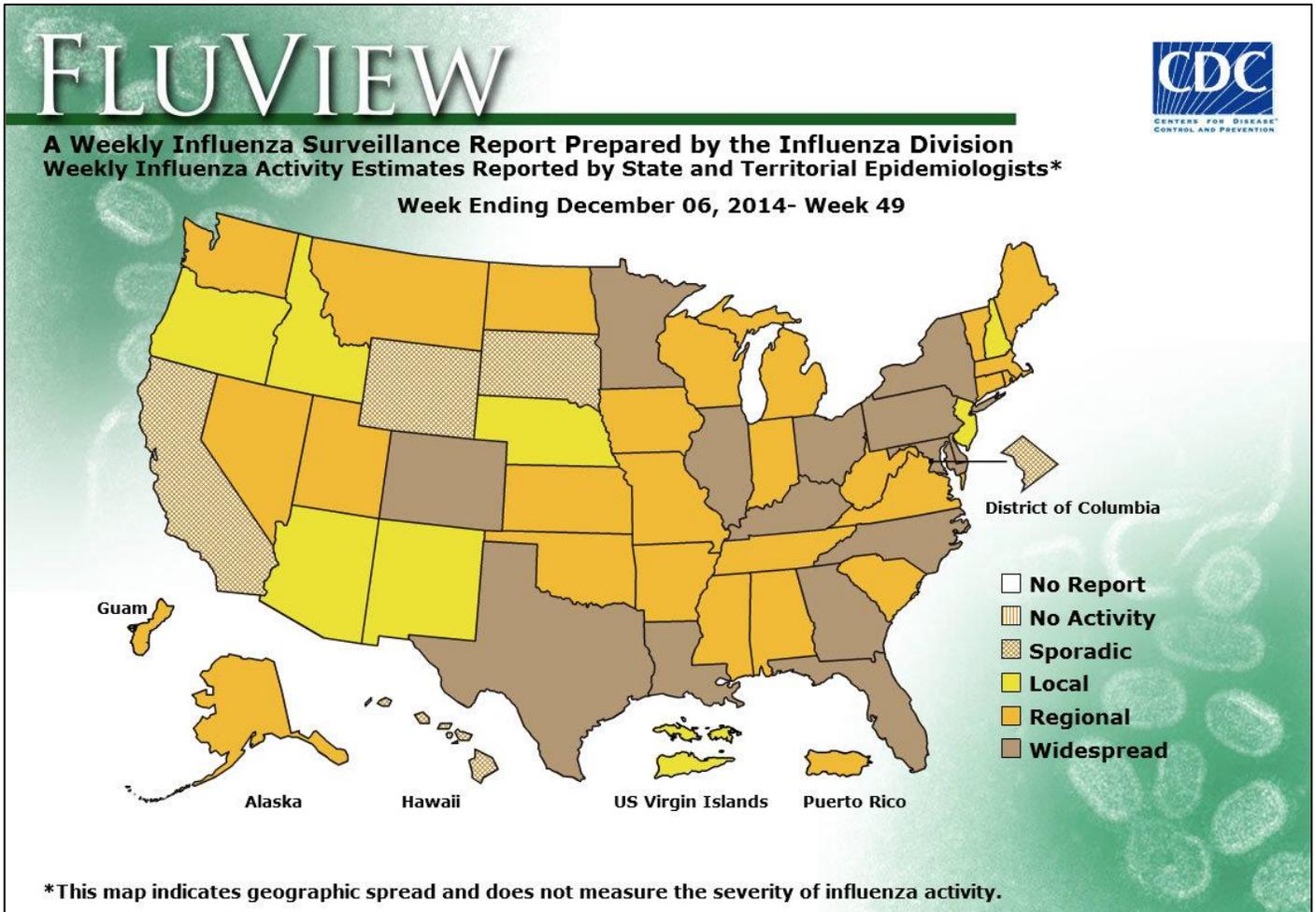
For week **49**, the MS ILI rate (6.2%) was **above** the national ILI rate (2.5%). | [Figure 6](#)



Mississippi reported “**Regional**” flu activity for week **49**. | [Table 3](#)

Level of Flu Activity	Definition
<b>No Activity</b>	Overall clinical activity remains low and there are no lab confirmed cases.
<b>Sporadic</b>	Isolated cases of lab confirmed influenza in the state; ILI activity is not increased <u>OR</u> A lab-confirmed outbreak in a single institution in the state; ILI activity is not increased.
<b>Local</b>	Increased ILI within a single region <b>AND</b> recent (within the past 3 weeks) laboratory evidence of influenza in that region. ILI activity in other regions is not increased <u>OR</u> two of more institutional outbreaks (ILI or lab confirmed) within a single region <b>AND</b> recent (within the past 3 weeks) lab confirmed influenza in that region. Other regions do not have increased ILI and virus activity is no greater than sporadic in those regions
<b>Regional</b>	Increased ILI in at least 2 regions but fewer than half of the regions <b>AND</b> recent (within the past 3 weeks) lab confirmed influenza in the affected regions <u>OR</u> Institutional outbreaks (ILI or lab confirmed) in at least 2 regions but fewer than half of the regions <b>AND</b> recent lab confirmed influenza in the affected regions.
<b>Widespread</b>	Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions <b>AND</b> recent (within the past 3 weeks) lab confirmed influenza in the state.

During week **49**, influenza activity **continued to increase** in the United States.<sup>1</sup> | [Figure 7](#)



<sup>1</sup>For up-to-date information on flu activity nationwide, please refer to the CDC's website: <http://www.cdc.gov/flu/weekly/fluactivitysurv.htm>.

**Additional information:**

Centers for Disease Control and Prevention	<a href="http://cdc.gov/flu/">http://cdc.gov/flu/</a>
Centers for Disease Control and Prevention FluView	<a href="http://www.cdc.gov/flu/weekly/">http://www.cdc.gov/flu/weekly/</a>
Flu.gov	<a href="http://www.flu.gov/">http://www.flu.gov/</a>
MSDH Flu and Pneumonia	<a href="http://msdh.ms.gov/msdhsite/ static/14,0,199.html">http://msdh.ms.gov/msdhsite/ static/14,0,199.html</a>
Google Flu Trends	<a href="http://www.google.org/flutrends/">http://www.google.org/flutrends/</a>
World Health Organization FluNet	<a href="http://www.who.int/influenza/gisrs_laboratory/flunet/en/">http://www.who.int/influenza/gisrs_laboratory/flunet/en/</a>

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## Appendix

Figure 1

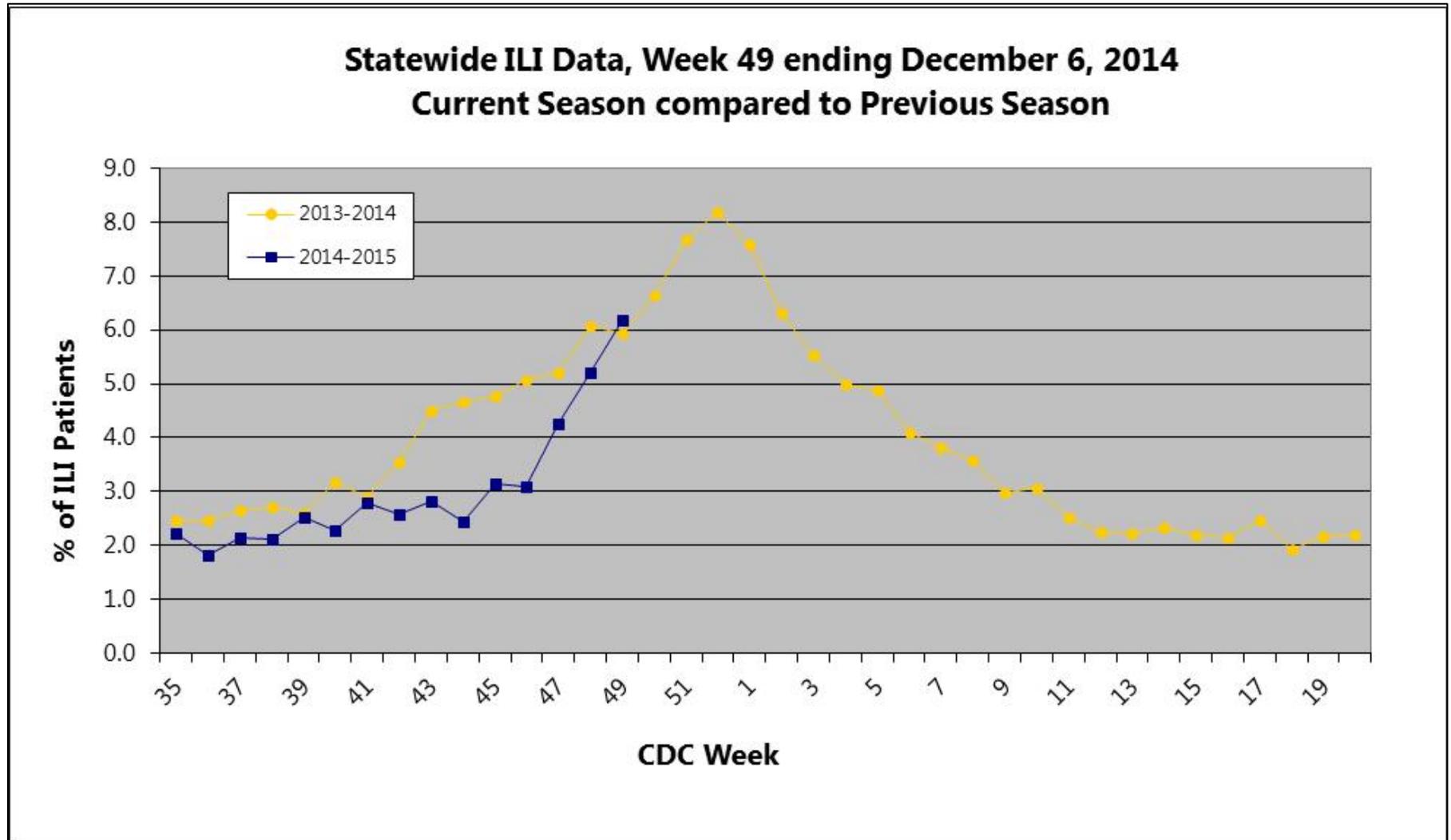
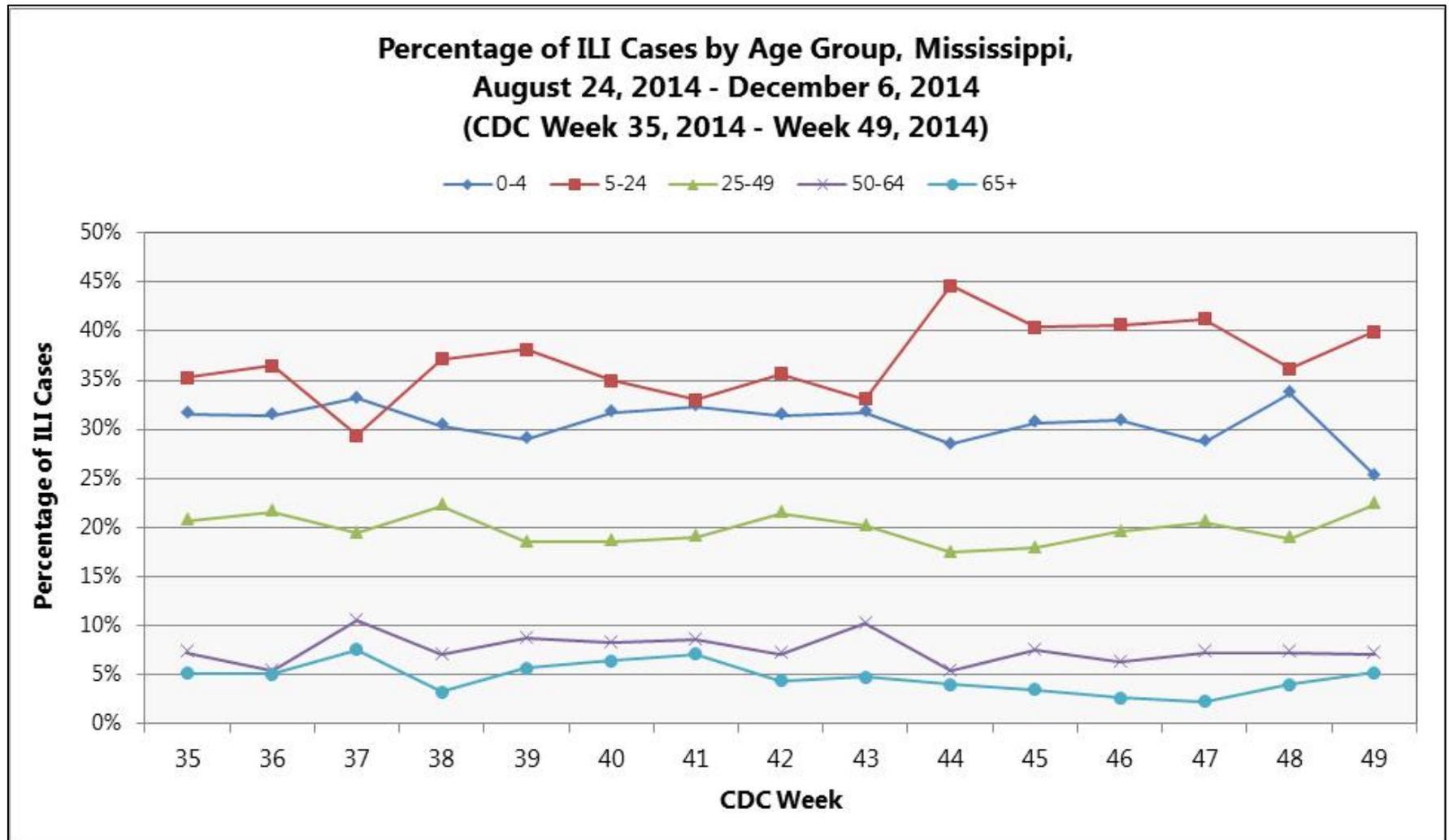
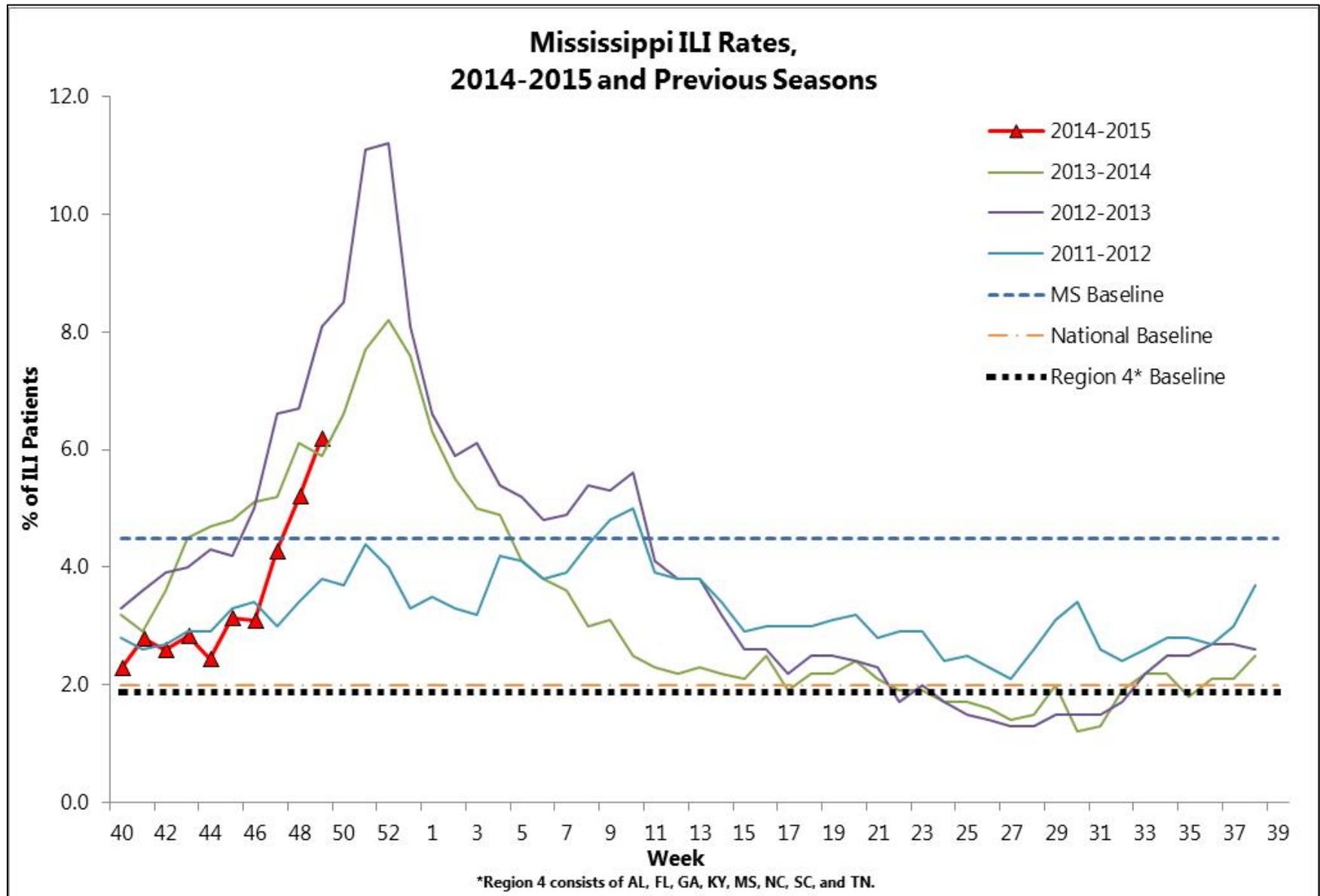


Figure 2



**Figure 3**



**Figure 4**

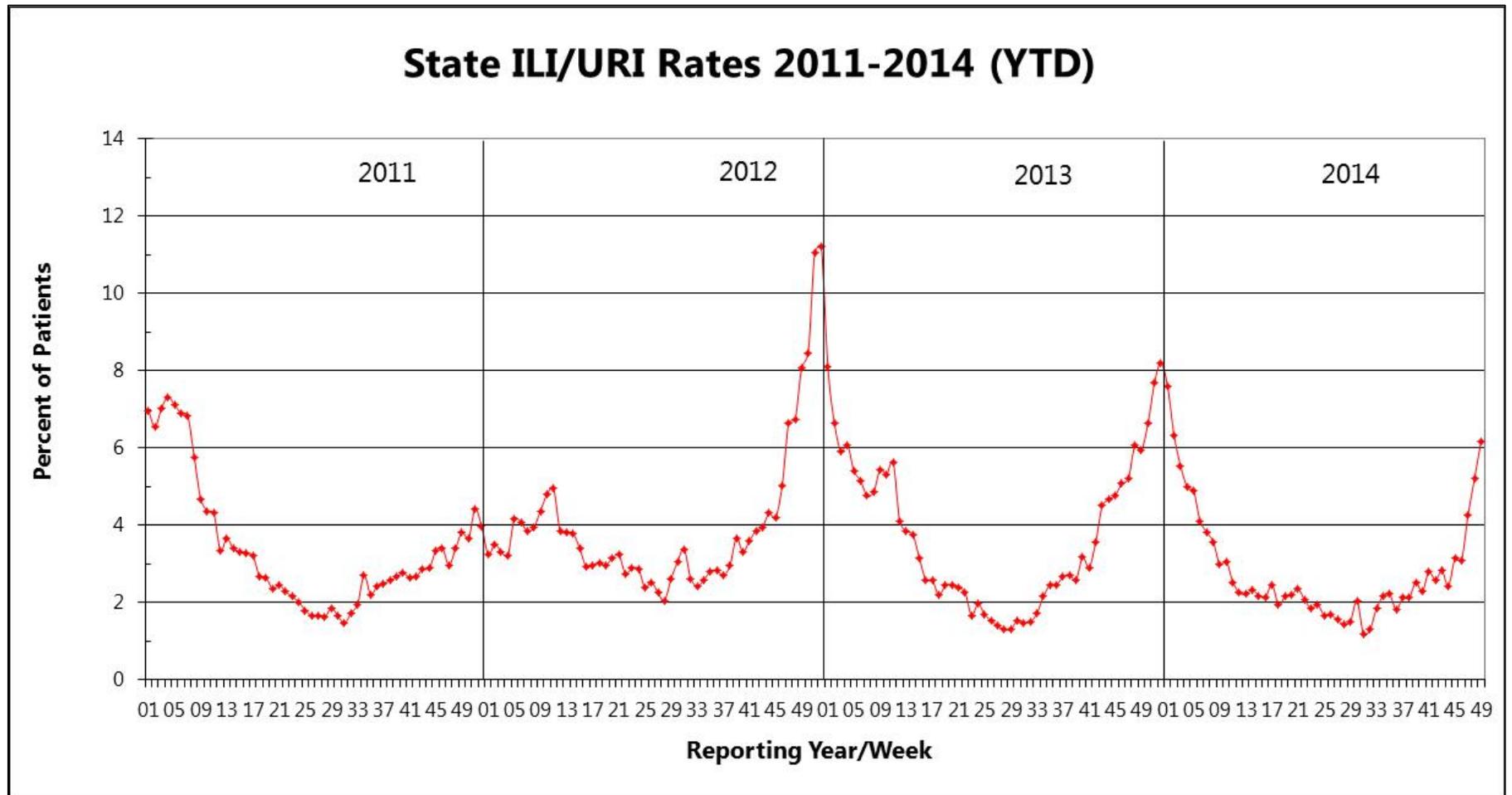
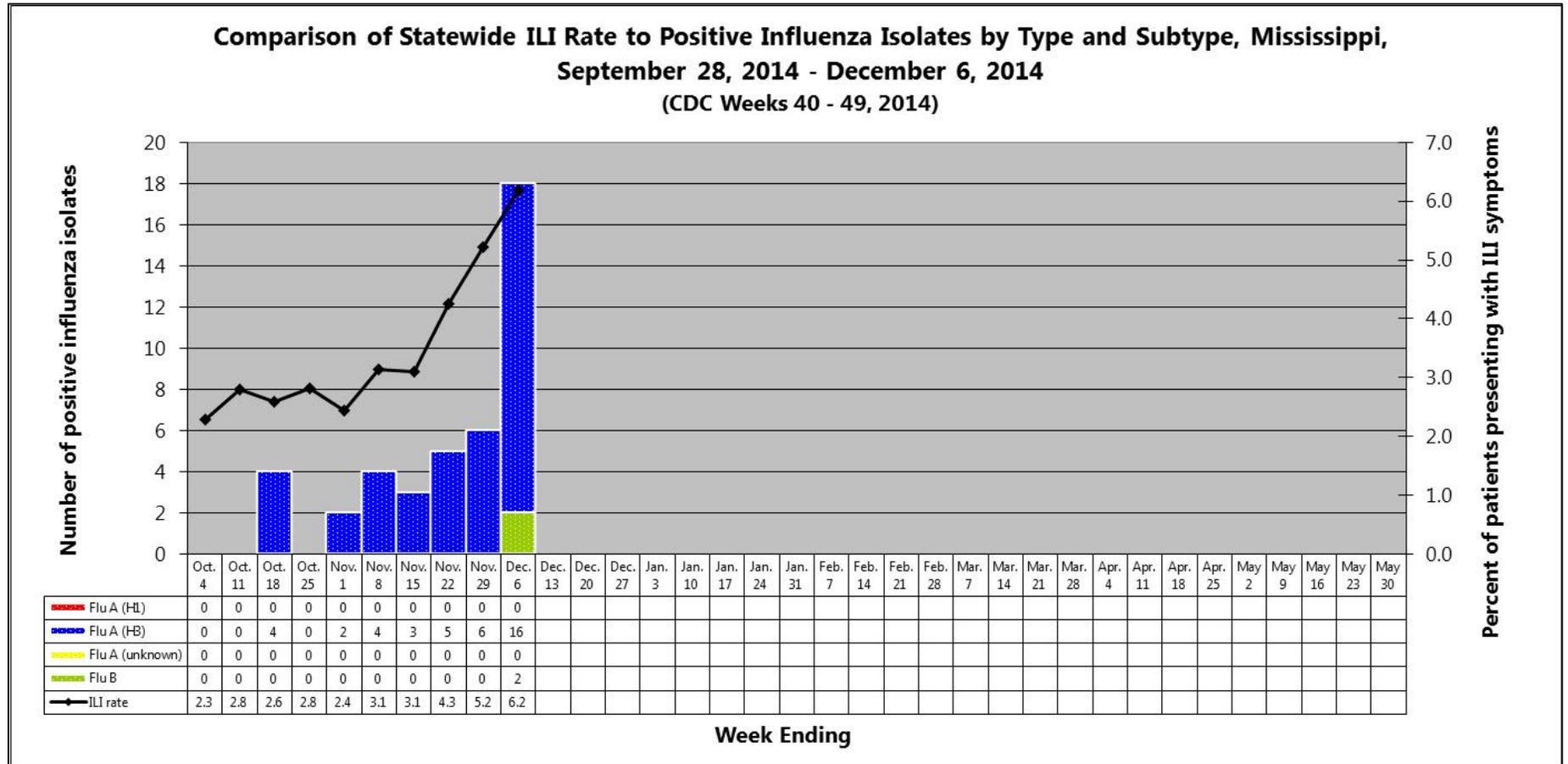


Figure 5



**Figure 6**

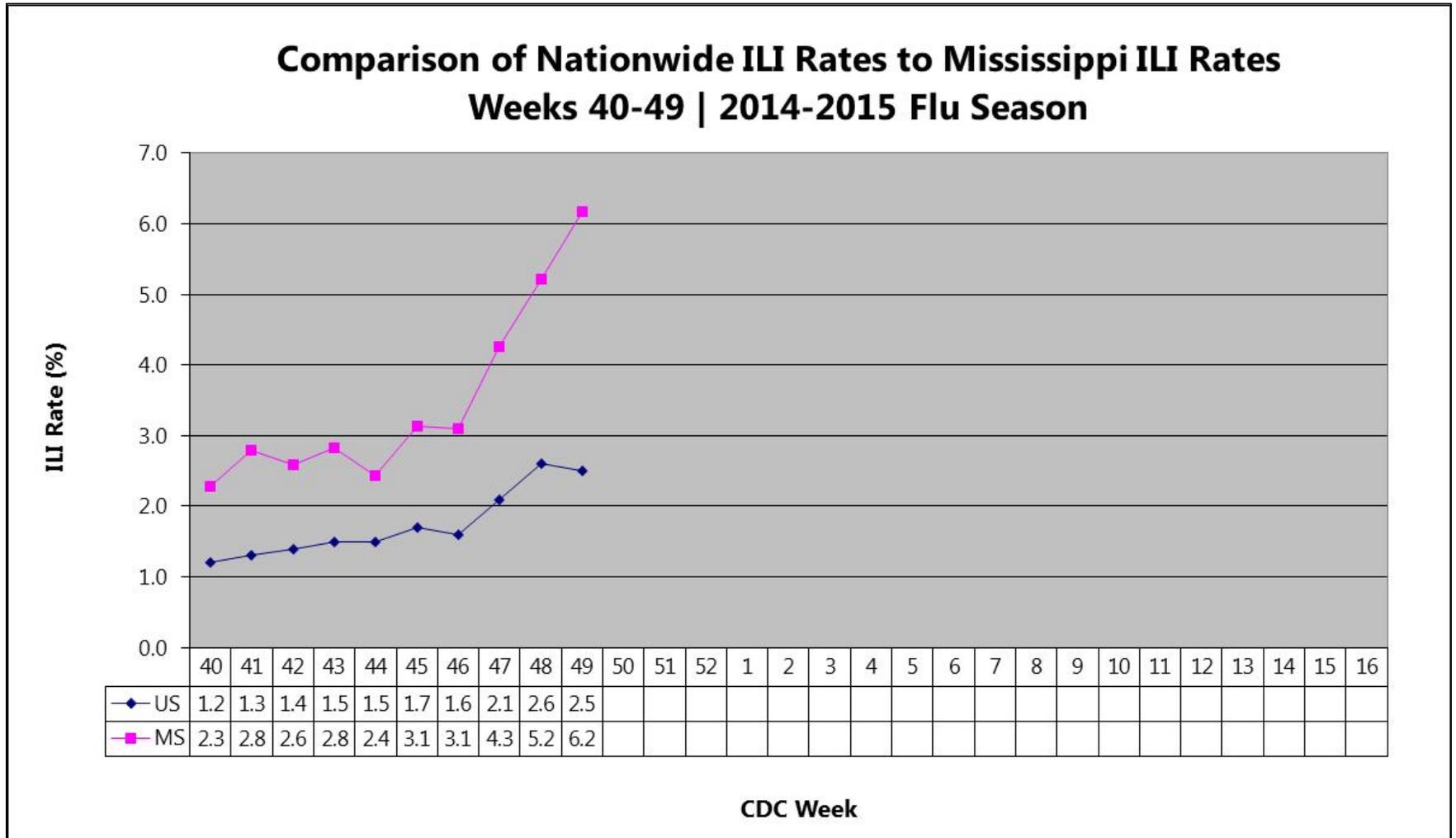


Figure 7

