



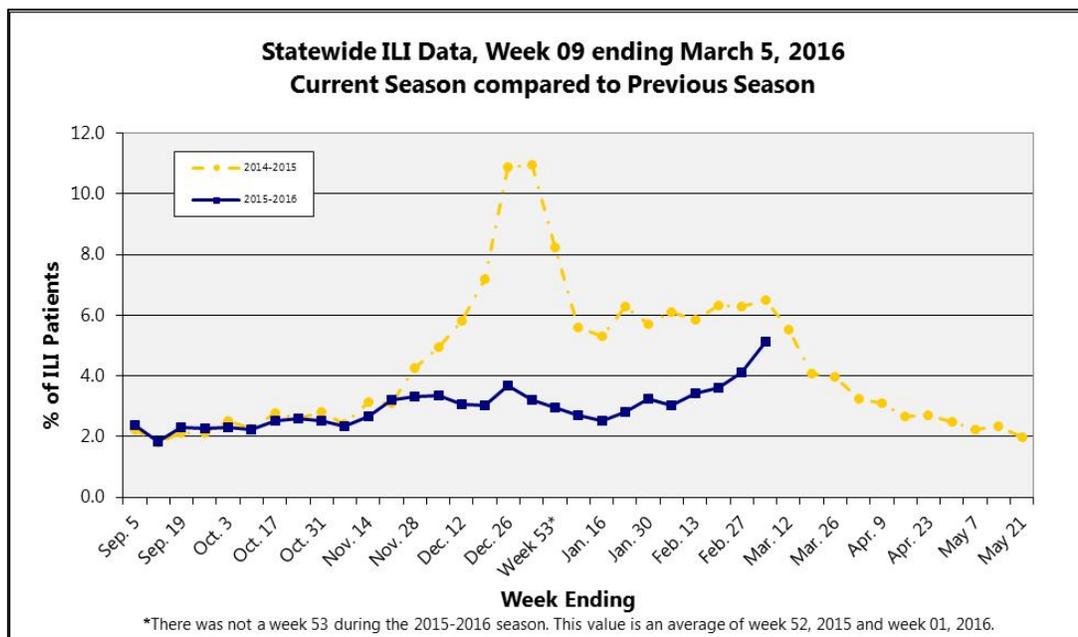
## 2015-2016 Influenza Report Week 09

*February 28 – March 5, 2016*

### 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 **09** (02/28/16-03/05/16), the overall state ILI rate (**5.1%**) **increased** when compared to the previous week (**4.1%**), but was lower than this time last year (**6.5%**).

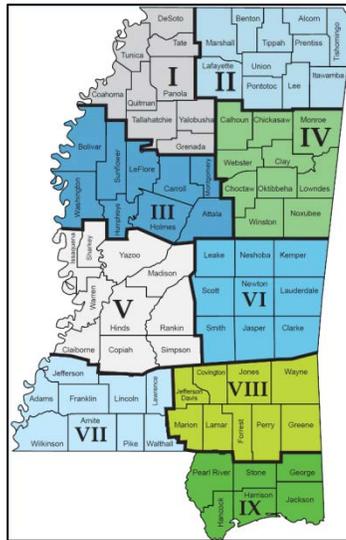
**Figure 1**

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

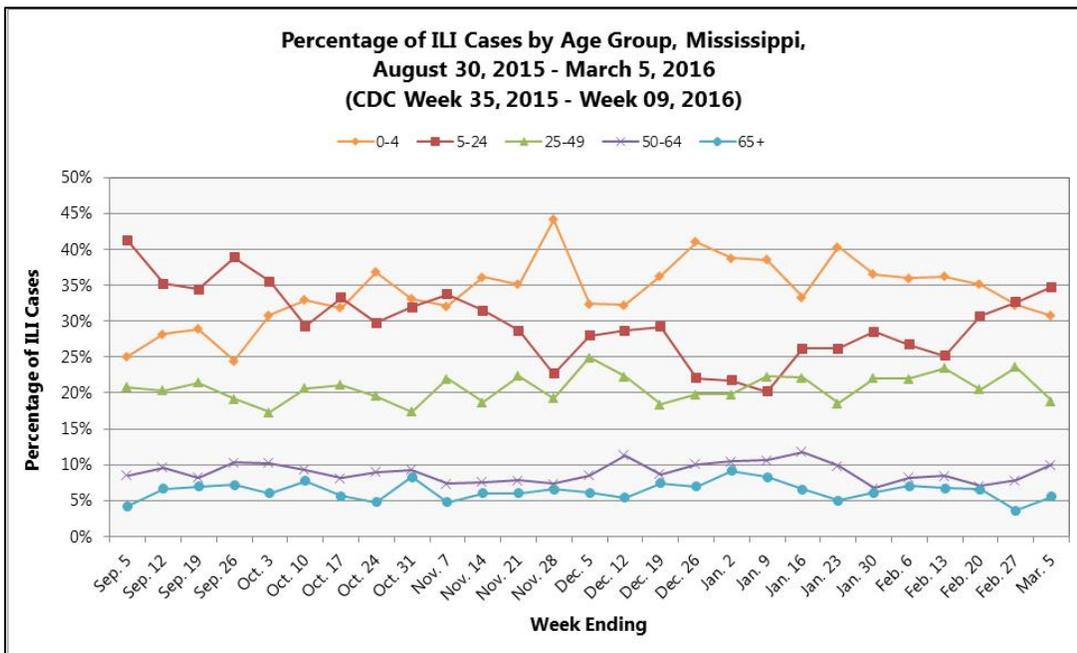
### 2015-2016 Influenza Season

CDC Week	Week Ending	Total patients	ILI symptoms	ILI Rate (%)
<b>09</b>	<b>Mar. 05</b>	19337	989	<b>5.1%</b>
08	Feb. 27	19928	821	4.1%
07	Feb. 20	19609	711	3.6%

During week **09**, **seven** districts (1, 2, 3, 4, 5, 7, and 8) had an increase in ILI activity, while **two** districts (6 and 9) remained about the same. *Information is provisional only and may change depending on additional reporting from sentinel providers.* | **Table 2**



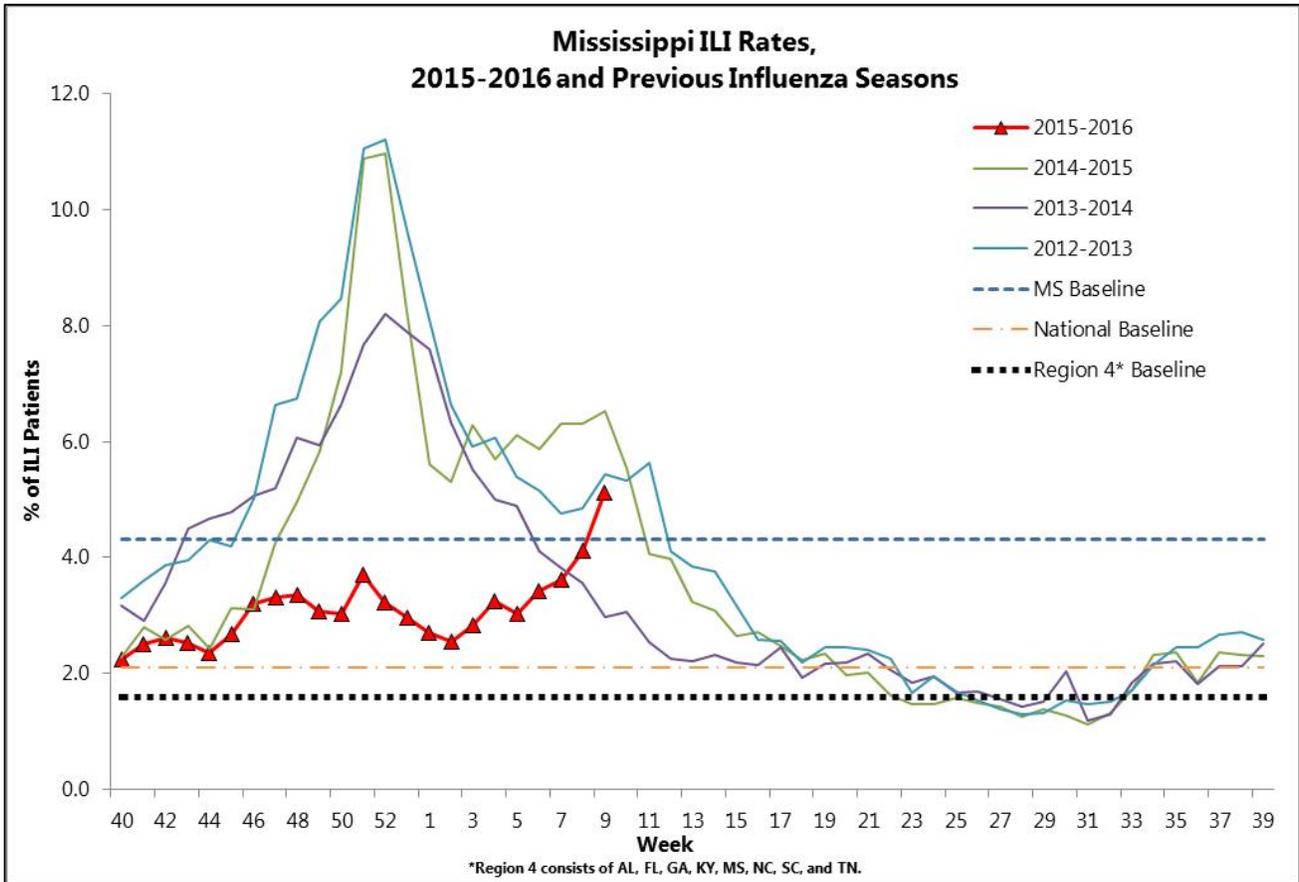
MSDH District ILI Rates (%) 2015-2016		
District	Week 08	Week 09
State	4.1	5.1
I	3.6	4.3
II	10.9	13.3
III	3.9	7.5
IV	4.3	6.0
V	3.5	4.3
VI	5.7	5.5
VII	3.7	5.1
VIII	3.0	5.9
IX	4.6	4.2



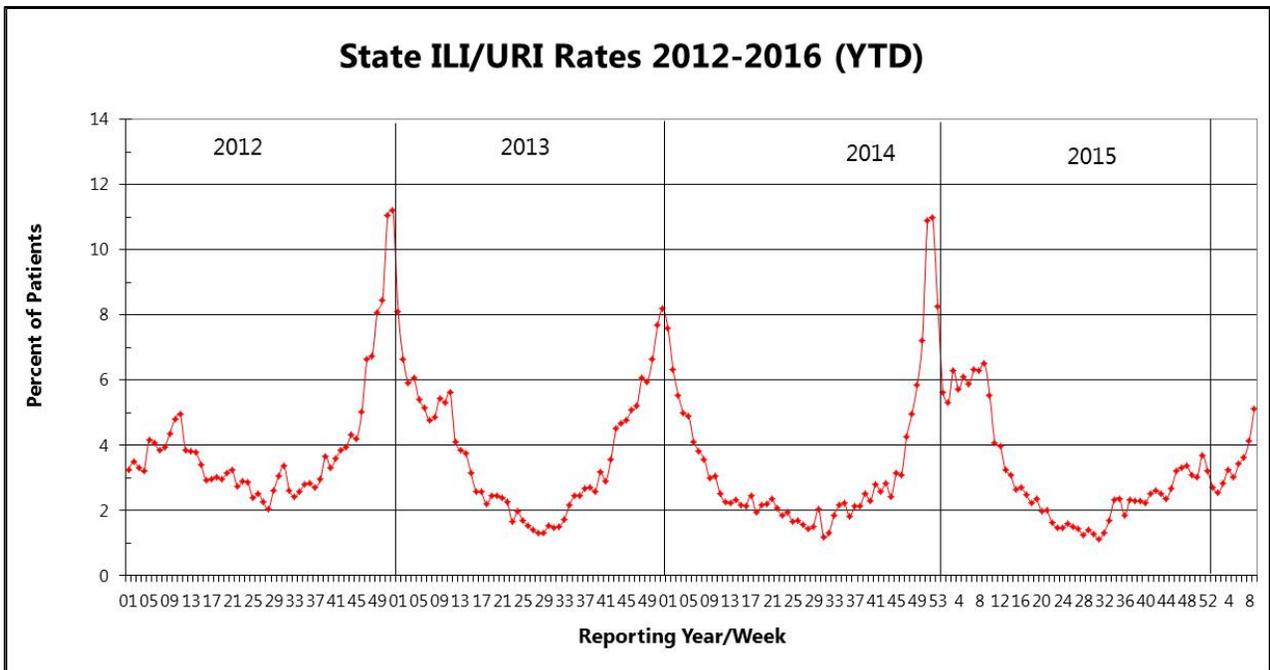
Overall, the percentage of reported ILI cases has been highest among those in the **0-4** and **5-24 years** of age groups. This trend continued during week **09**.

| [Figure 2](#)

The 2015-16 state ILI rate was **above** the national, Region 4, and state baselines for week **09**. | [Figure 3](#)



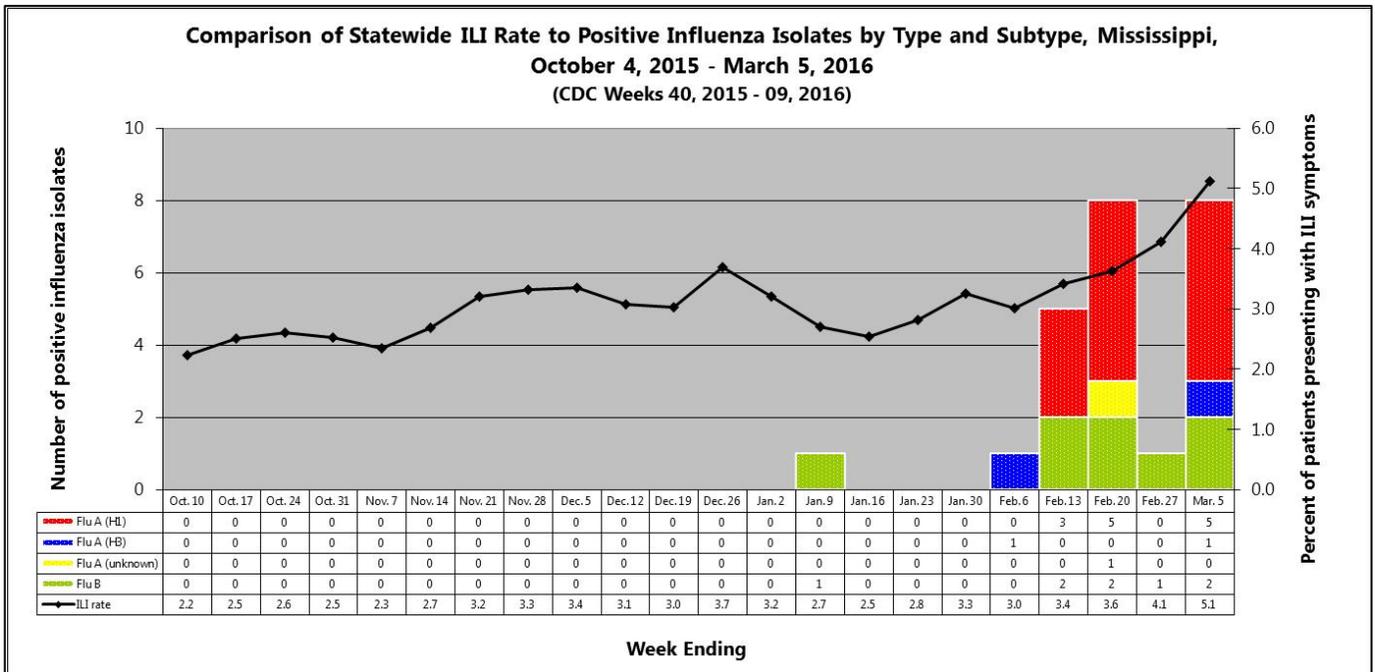
Mississippi ILI Rates 2012-2016 | [Figure 4](#)



### Flu Testing Reports

From week **40** (week ending October 10<sup>th</sup>) through week **09** (week ending March 5<sup>th</sup>), 24 positive influenza samples were identified by MSDH. Thirteen (54%) samples were identified as influenza A (H1), two (8%) as influenza A (H3), one as influenza A (unknown) (4%), and eight (33%) were identified as influenza B. | [Figure 5](#)

The influenza cases were identified from the following counties: Chickasaw (1), Covington (1), Forrest (1), Humphreys (2), Jones (2), Lafayette (3), Lawrence (1), Leake (2), Lee (1), Marshall (4), Monroe (2), Pontotoc (3), and Washington (1).



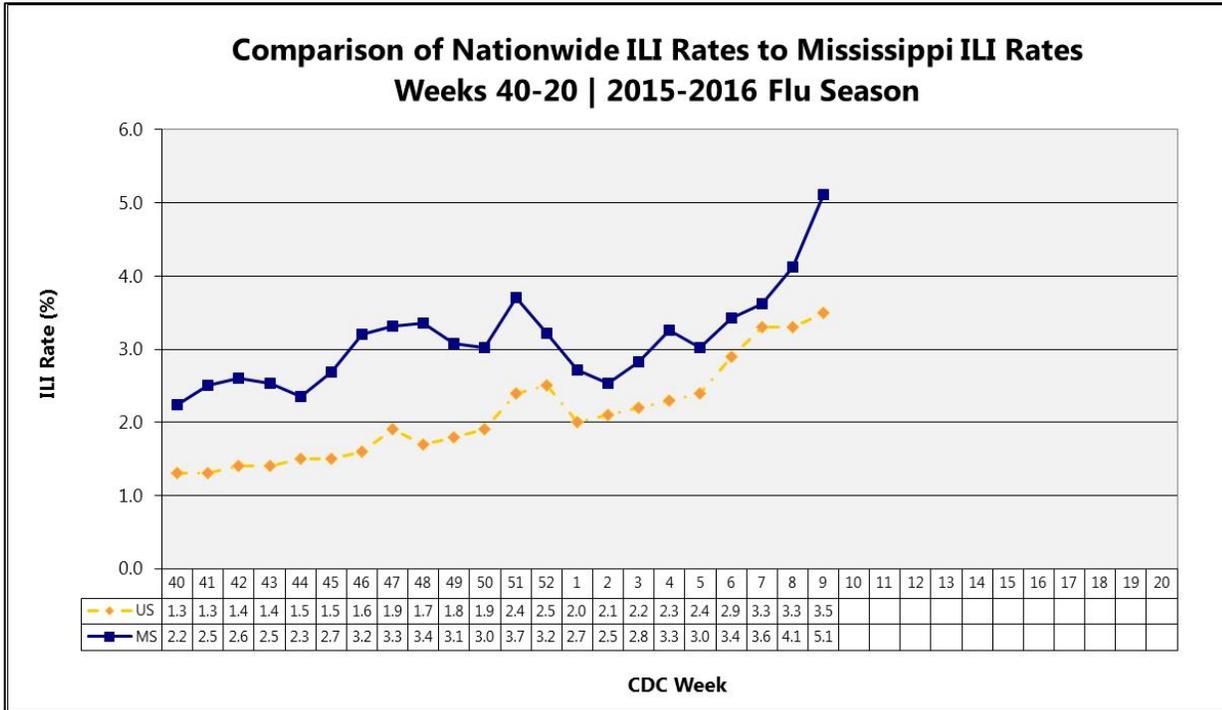
### National and Mississippi Pediatric Mortality Surveillance

Nationally, **two** influenza-associated pediatric deaths were reported to CDC during week **09**. One death was associated with an influenza A (H1N1)pdm09 virus and occurred during week 06 (week ending February 13<sup>th</sup>) and one death was associated with an influenza B virus and occurred during week 08 (week ending February 27<sup>th</sup>). **Twenty** influenza-associated pediatric deaths have been reported during the 2015-2016 season.

Mississippi has had **one** influenza-associated pediatric death 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 **09**, the MS ILI rate (5.1%) was **above** the national ILI rate (3.5%). | [Figure 6](#)



US ILI rates from the Centers for Disease Control and Prevention: <http://www.cdc.gov/flu/weekly/>.

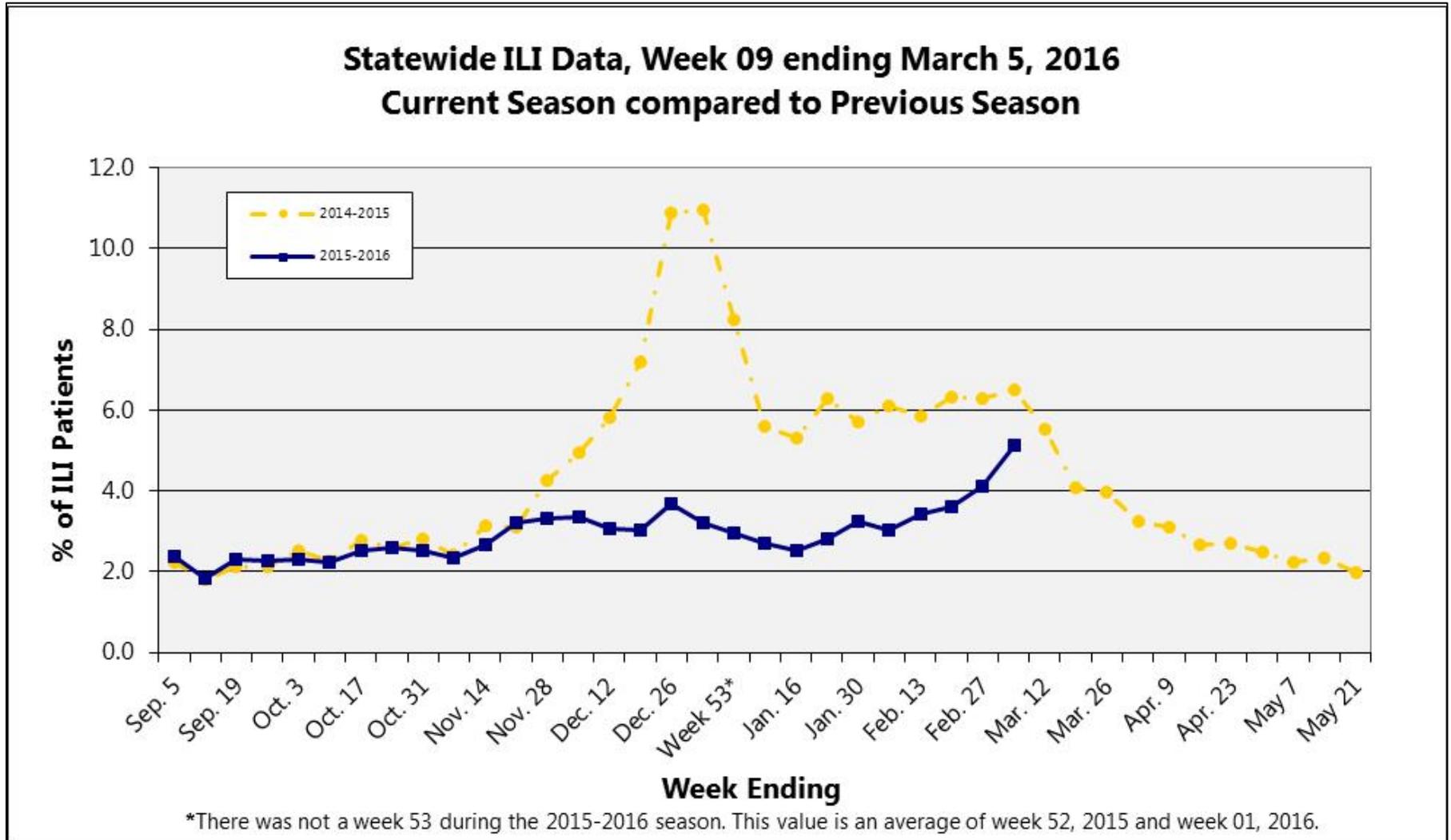


**Additional influenza information:**

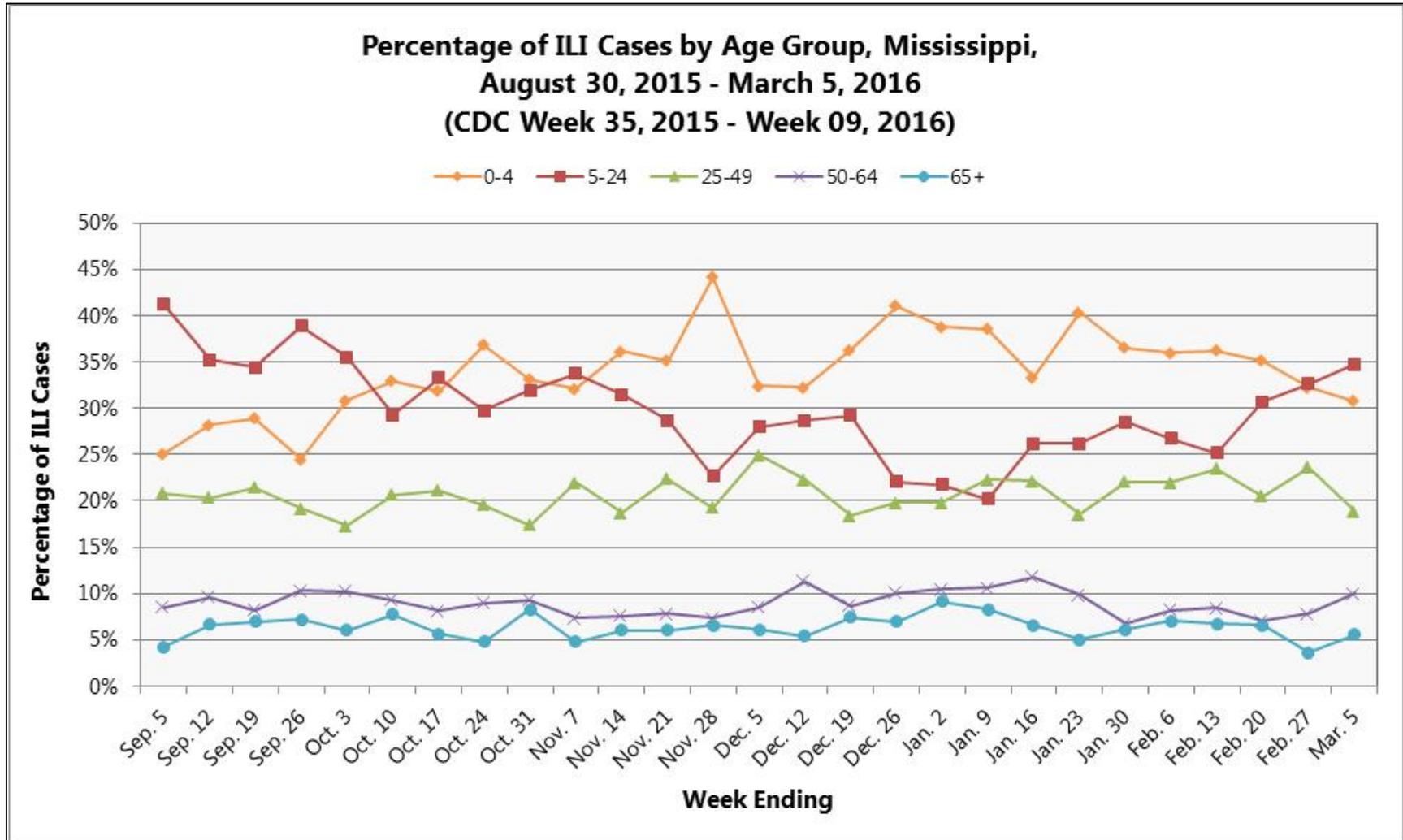
<b>Centers for Disease Control and Prevention</b>	<a href="http://cdc.gov/flu/">http://cdc.gov/flu/</a>
<b>Centers for Disease Control and Prevention FluView</b>	<a href="http://www.cdc.gov/flu/weekly/">http://www.cdc.gov/flu/weekly/</a>
<b>Flu.gov</b>	<a href="http://www.flu.gov/">http://www.flu.gov/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

## Appendix

Figure 1



**Figure 2**



**Figure 3**

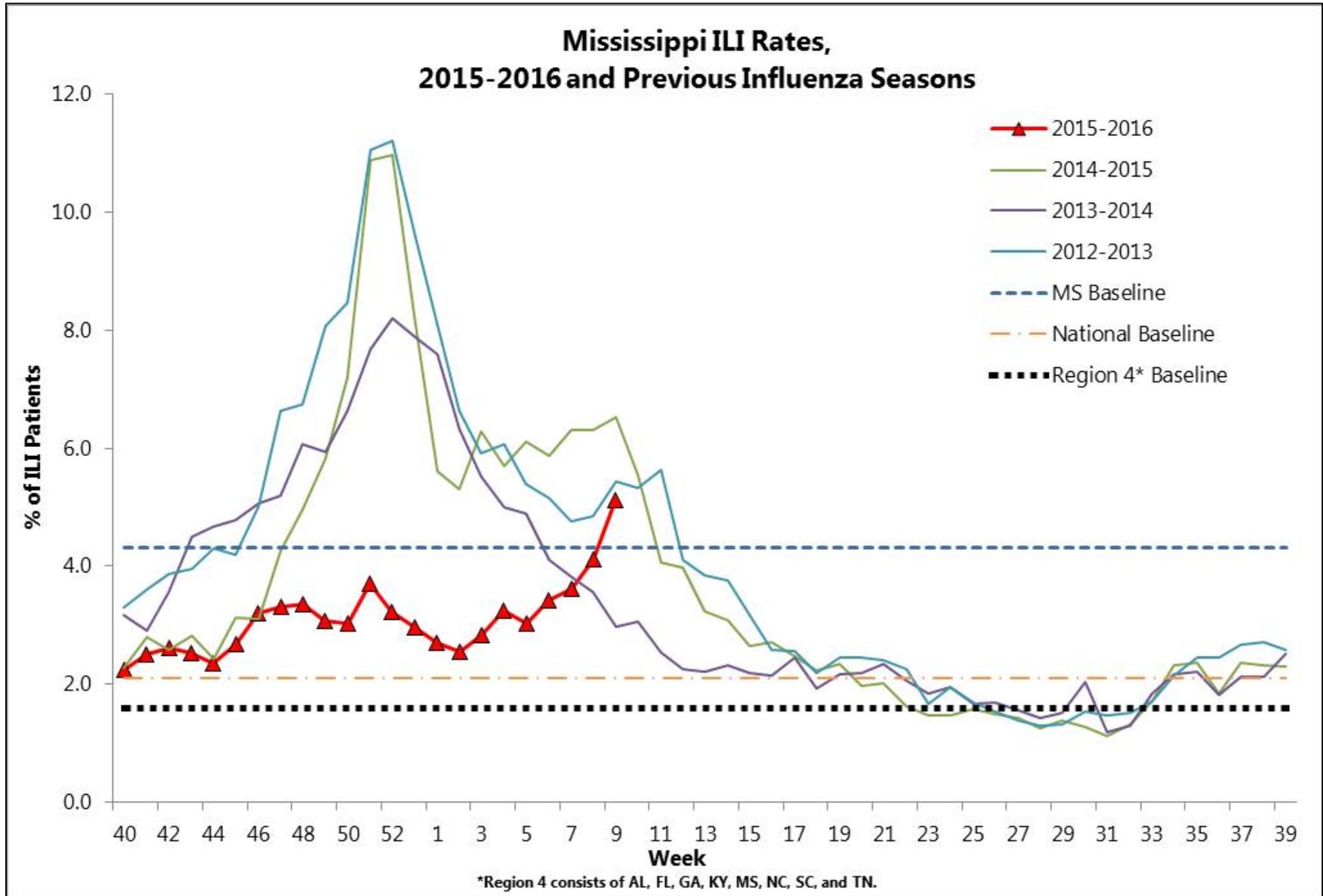


Figure 4

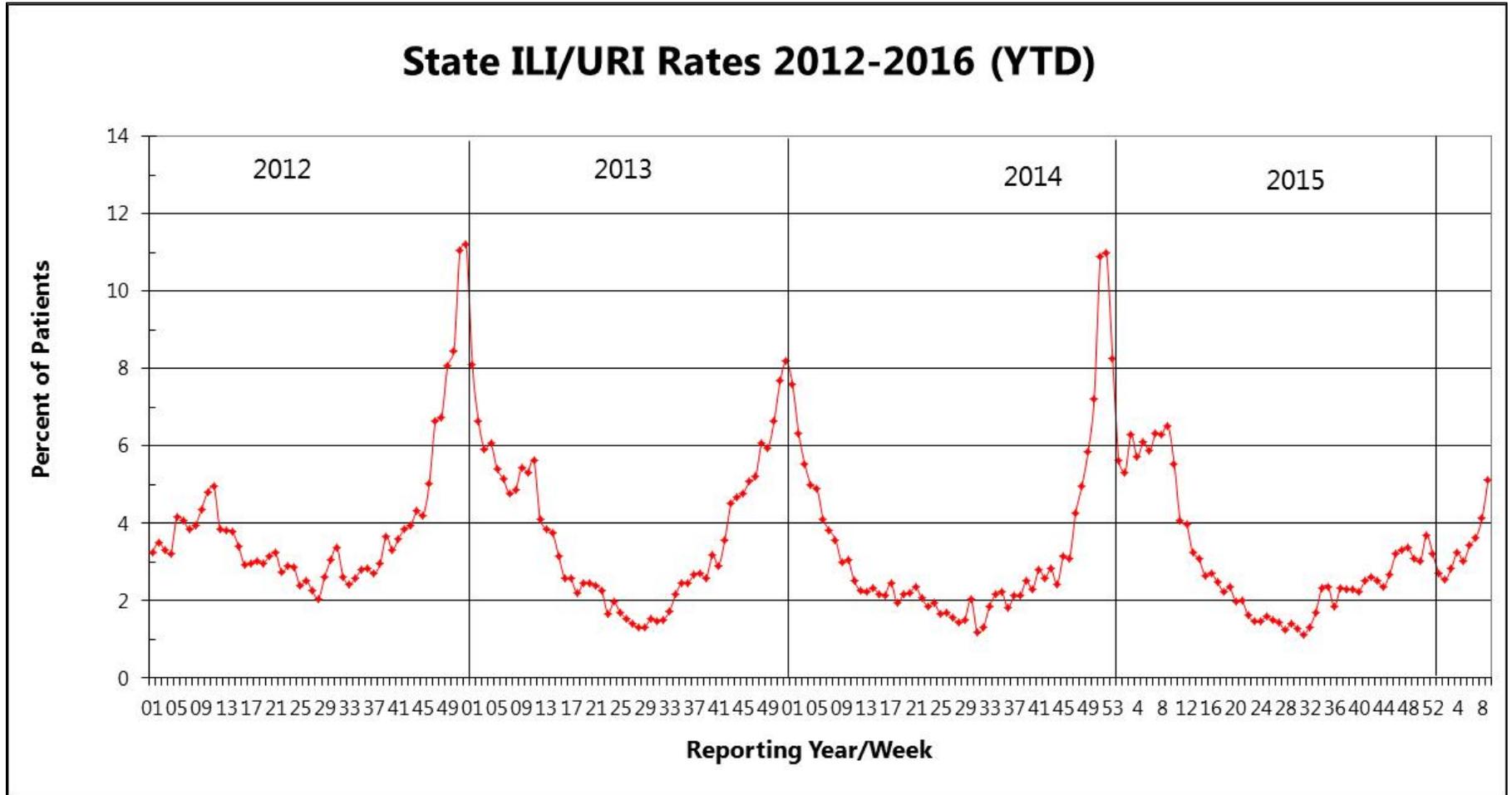


Figure 5

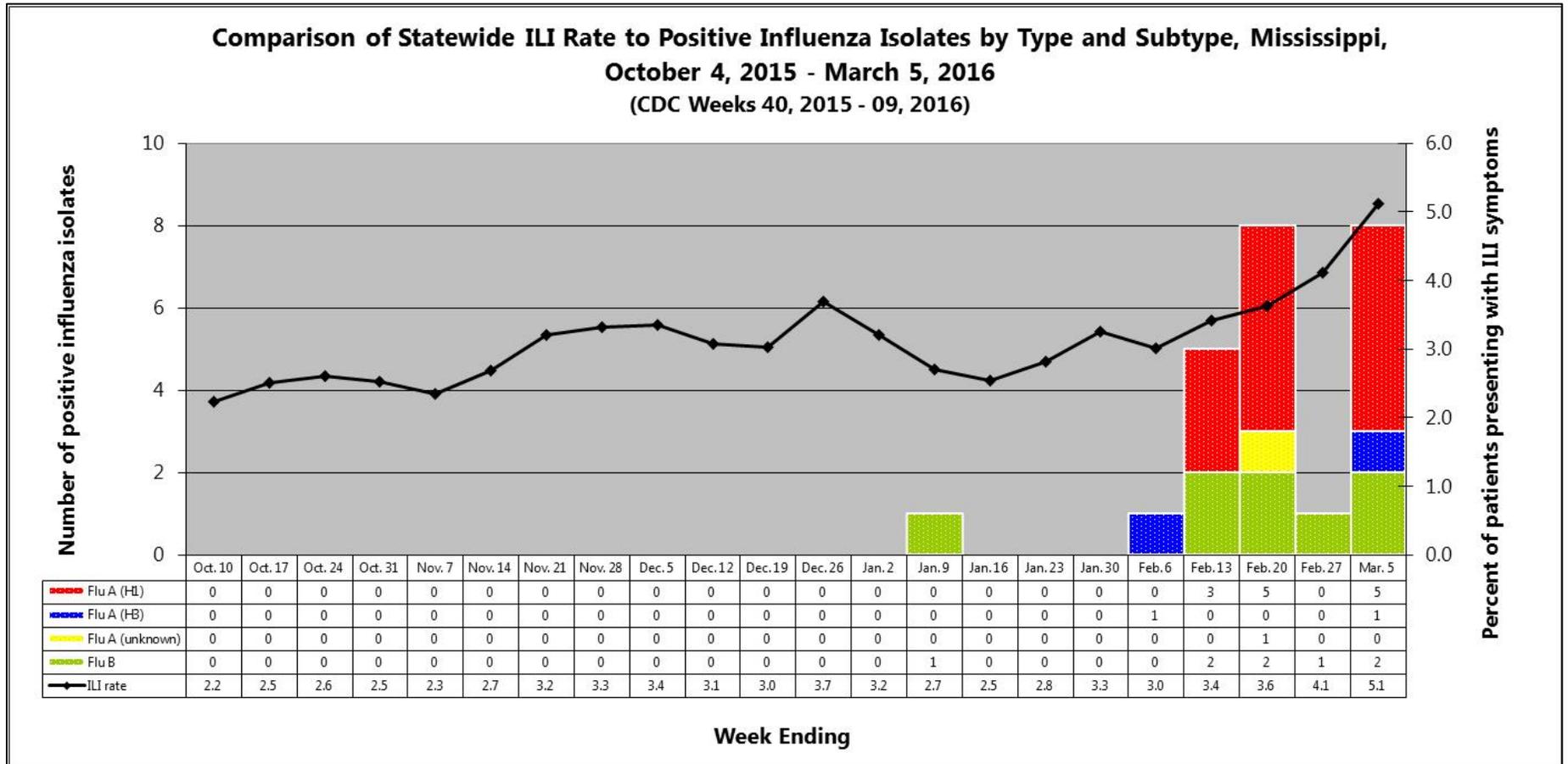


Figure 6

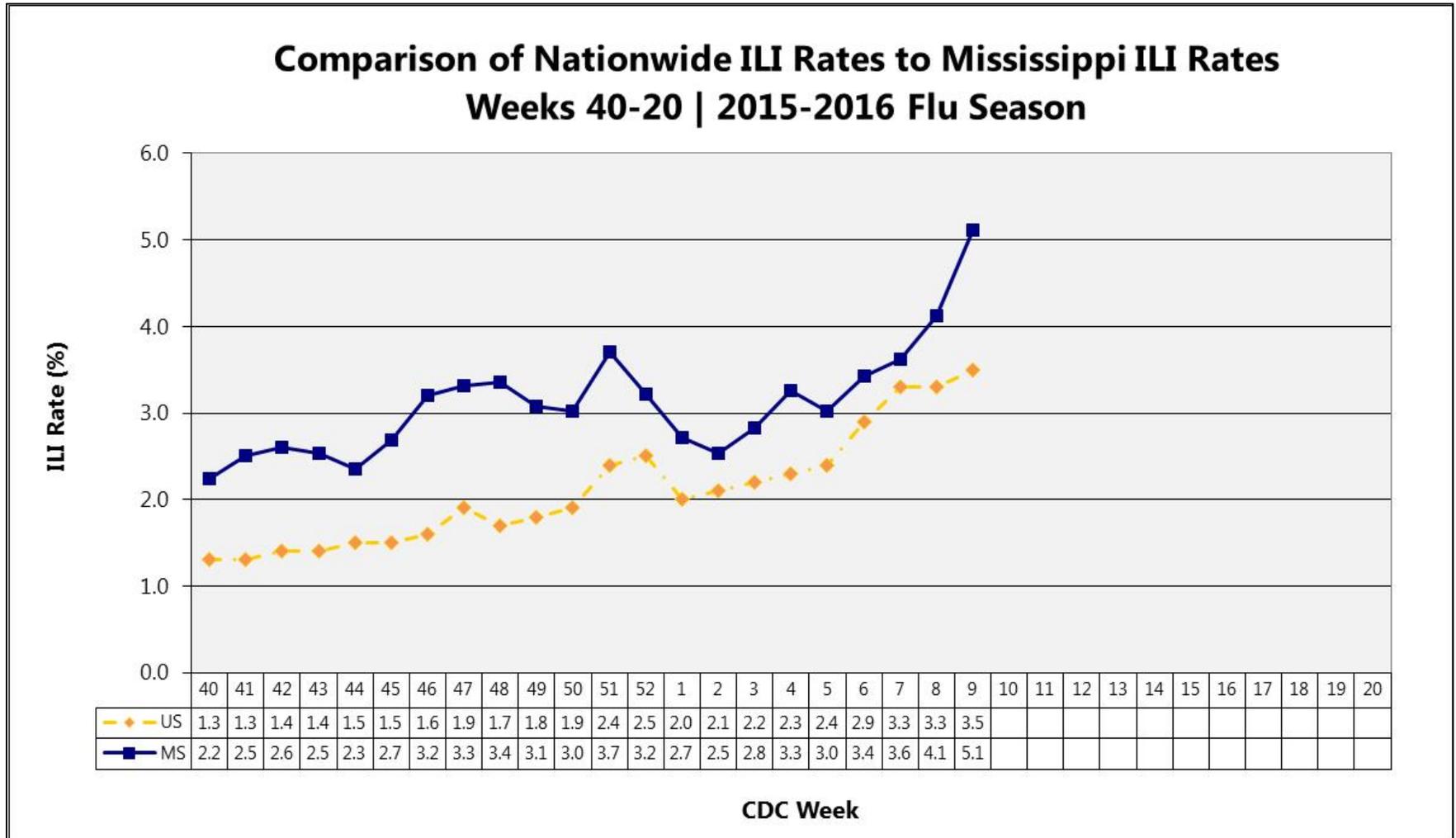


Figure 7

