



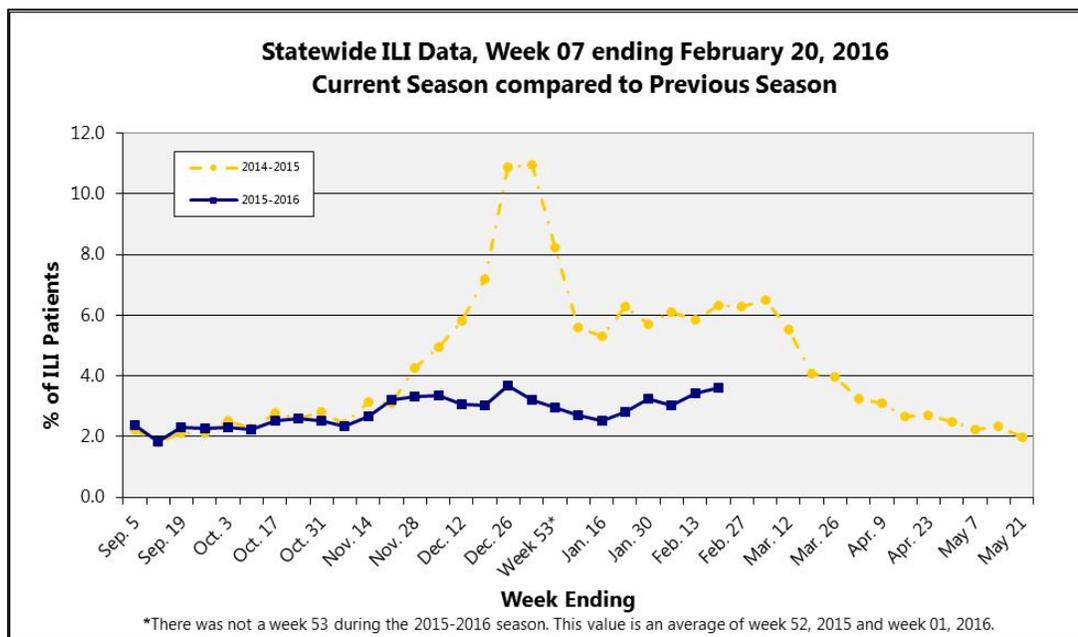
2015-2016 Influenza Report Week 07

February 14 – February 20, 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 **07** (02/14/16-02/20/16), the overall state ILI rate (**3.6%**) was **comparable** to the previous week (**3.4%**), but was lower than this time last year (**6.3%**).

| [Figure 1](#)

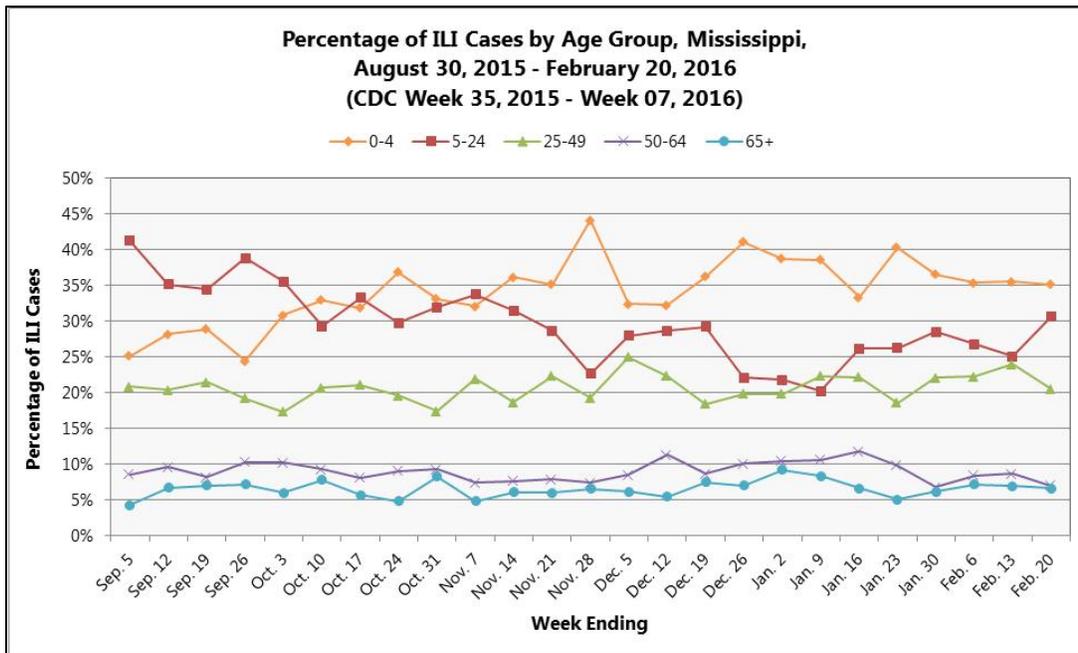
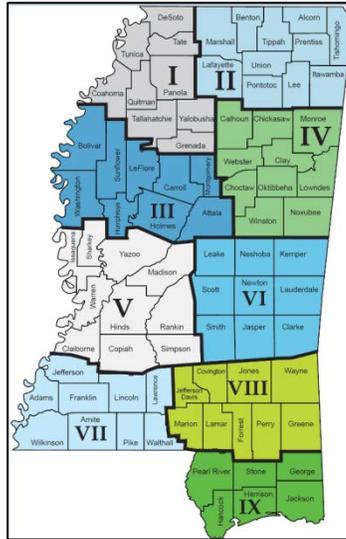
Total number of patients treated by sentinel providers in the last three weeks. | **Table 1**

2015-2016 Influenza Season

CDC Week	Week Ending	Total patients	ILI symptoms	ILI Rate (%)
07	Feb. 20	19609	711	3.6%
06	Feb. 13	18646	639	3.4%
05	Feb. 06	18854	571	3.0%

During week **07**, **three** districts (2, 5, and 7) had an increase in ILI activity, while **two** districts (3 and 6) had a decrease. **Four** districts (1, 4, 8, and 9) remained about the same. *Information is provisional only and may change depending on additional reporting from sentinel providers.* | **Table 2**

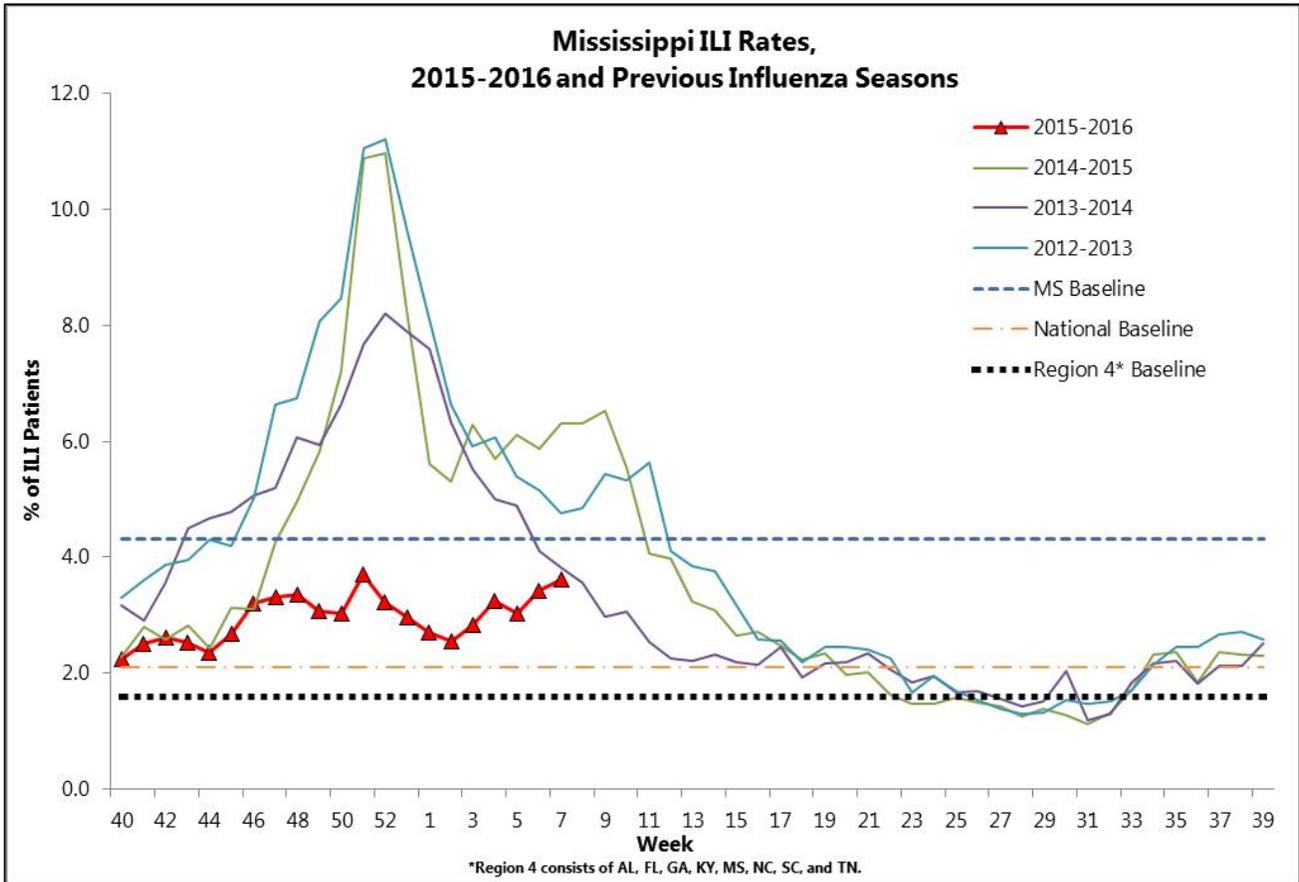
MSDH District ILI Rates (%) 2015-2016		
District	Week 06	Week 07
State	3.4	3.6
I	2.5	2.7
II	6.7	8.7
III	8.0	5.2
IV	3.2	3.2
V	2.2	3.0
VI	6.1	5.3
VII	2.6	3.7
VIII	2.5	2.4
IX	4.5	4.2



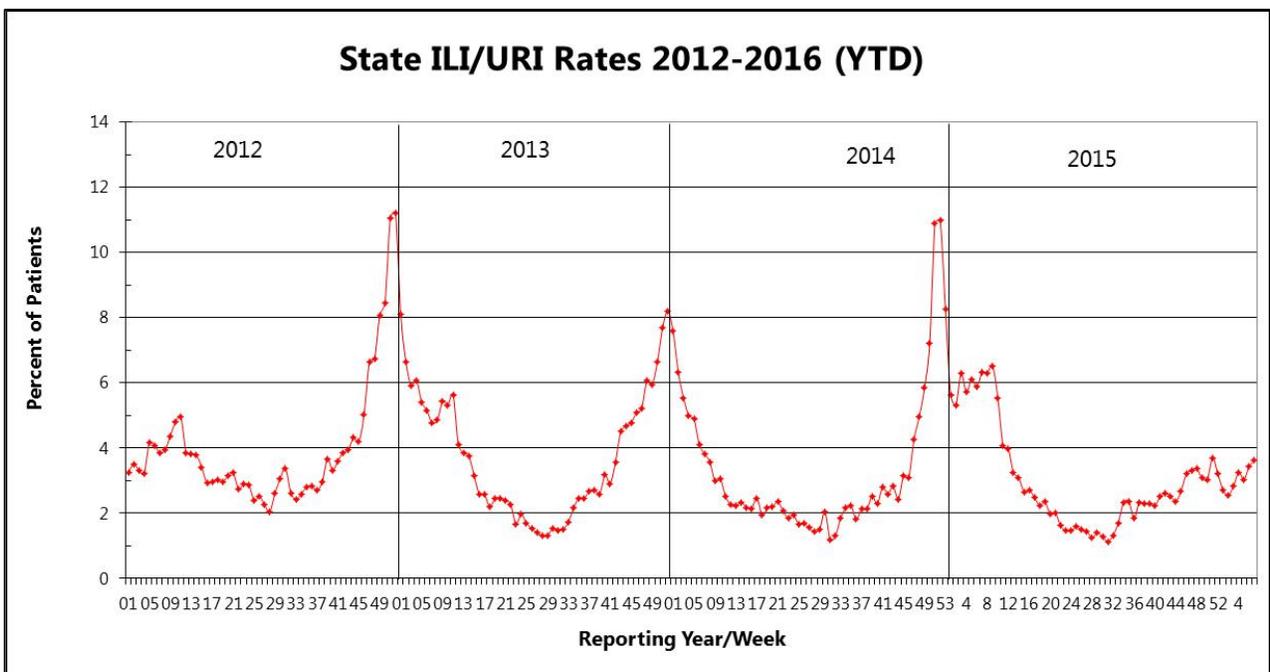
Overall, the percentage of reported ILI cases has been highest among those in the **0-4** and **5-24 years** of age groups. During week **07**, however, the percentage was **higher** among

those in the **0-4 years** of age group. | [Figure 2](#)

The 2015-16 state ILI rate was **above** the national and Region 4 baselines, but was **below** the state baseline for week **07**. | [Figure 3](#)



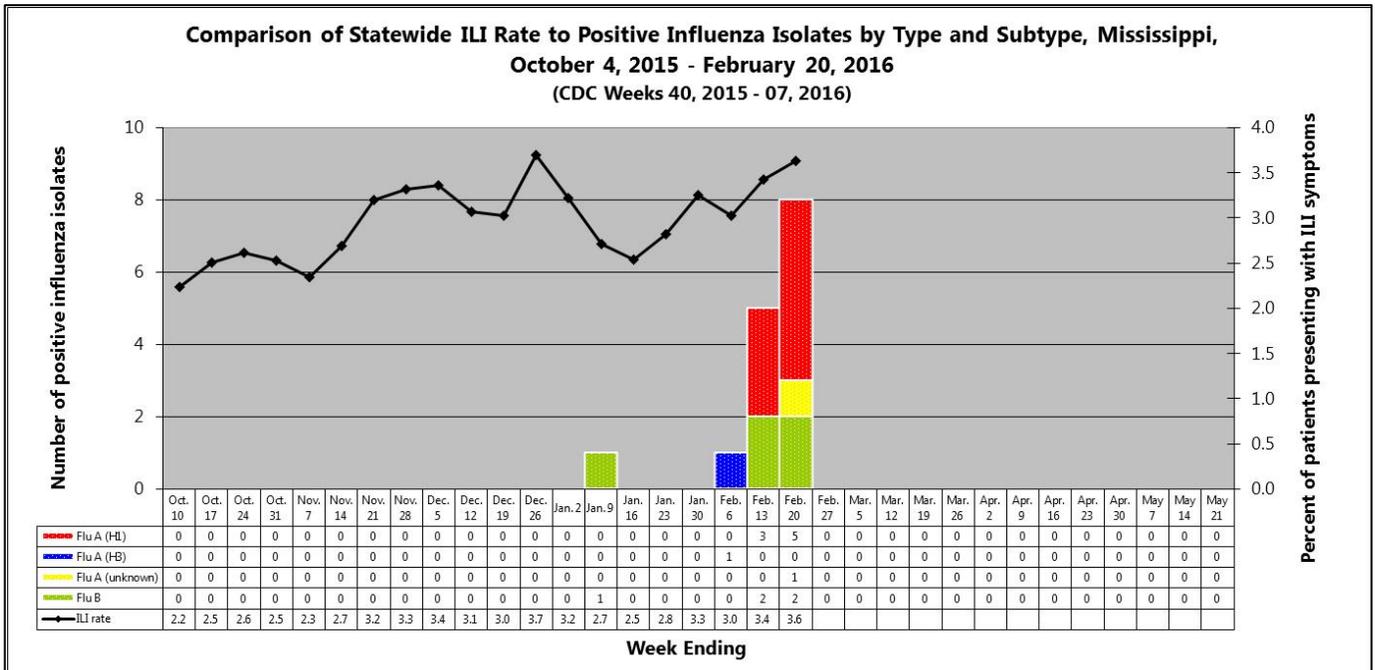
Mississippi ILI Rates 2012-2016 | [Figure 4](#)



Flu Testing Reports

From week **40** (week ending October 10th) through week **07** (week ending February 20th), 15 positive influenza samples were identified by MSDH. Eight (53%) samples were identified as influenza A (H1), one (7%) as influenza A (H3), one as influenza A (unknown) (7%), and five (33%) were identified as influenza B. | [Figure 5](#)

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



National and Mississippi Pediatric Mortality Surveillance

Nationally, **one** influenza-associated pediatric death was reported to CDC during week **07**. This death was associated with an influenza B virus and occurred during week 07 (week ending February 20th).

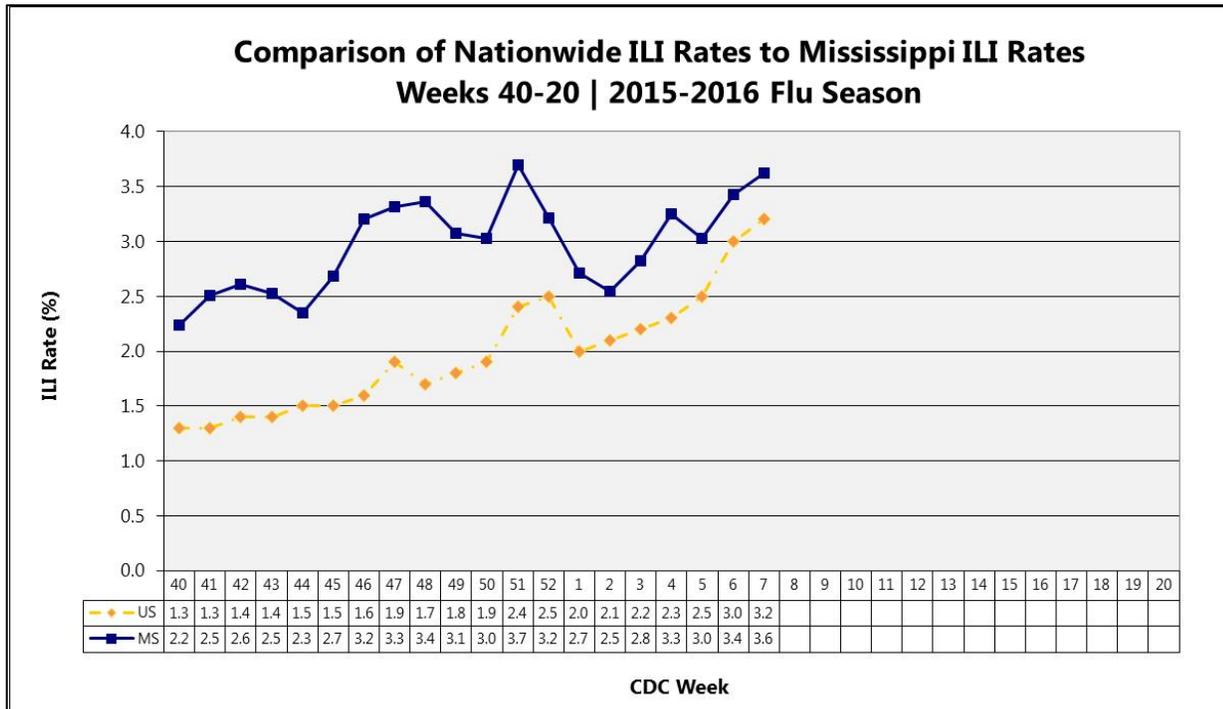
Fourteen influenza-associated pediatric deaths have been reported during the 2015-2016 season.

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](#).

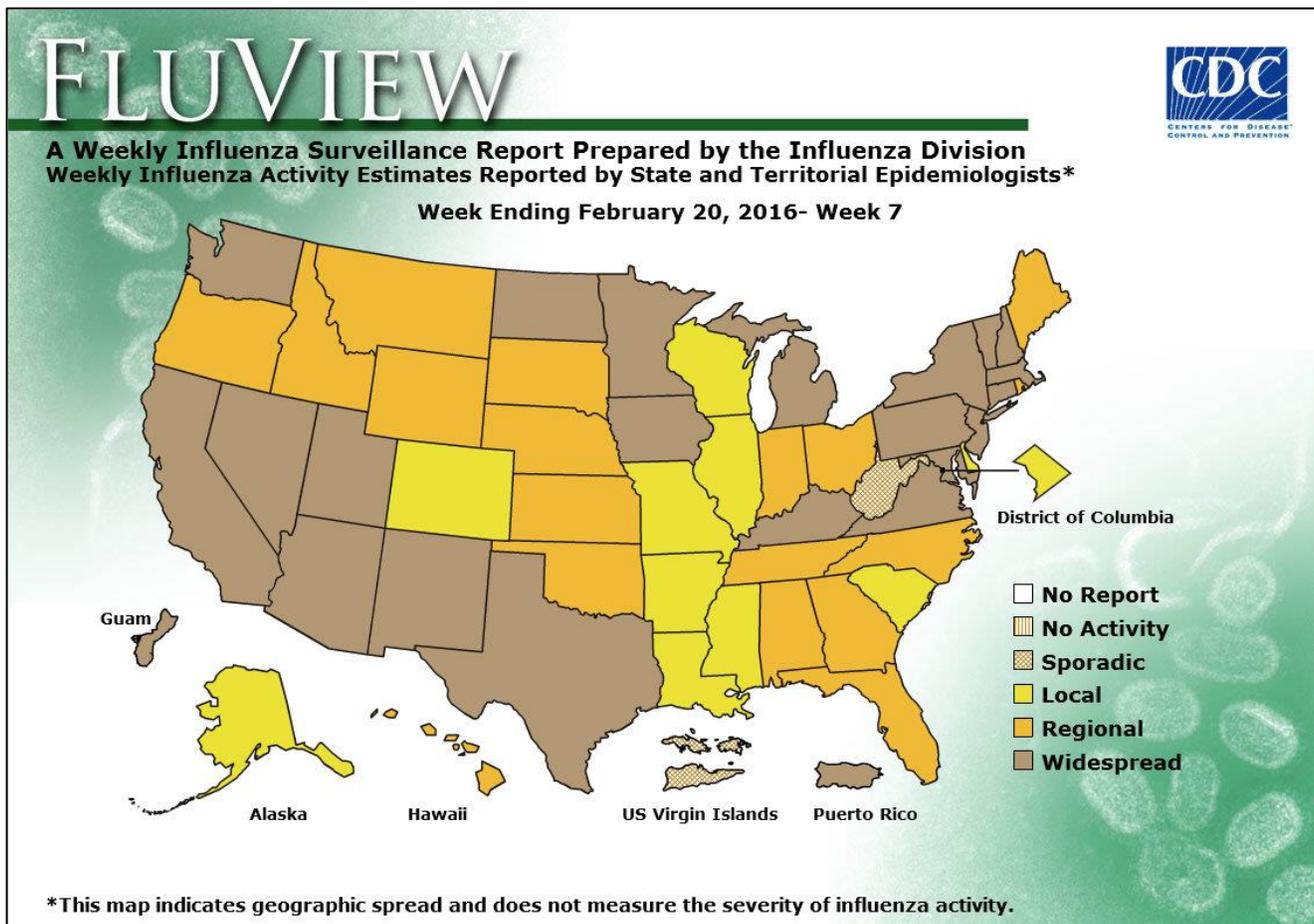
National ILI Surveillance

For week **07**, the MS ILI rate (3.6%) was **comparable** to the national ILI rate (3.2%). | [Figure 6](#)



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

During week **07**, influenza activity **increased** in the United States.¹ | [Figure 7](#)



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

Mississippi reported “**Local**” for the influenza activity during week **07**. | **Table 3**

Level of Flu Activity	Definition
No Activity	Overall clinical activity remains low and there are no lab confirmed cases.
Sporadic	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.
Local	Increased ILI within a single region AND 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 AND 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
Regional	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 <u>OR</u> 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.
Widespread	Increased ILI and/or institutional outbreaks (ILI or lab confirmed) in at least half of the regions AND recent (within the past 3 weeks) lab confirmed influenza in the state.

Additional influenza information:

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

Appendix

Figure 1

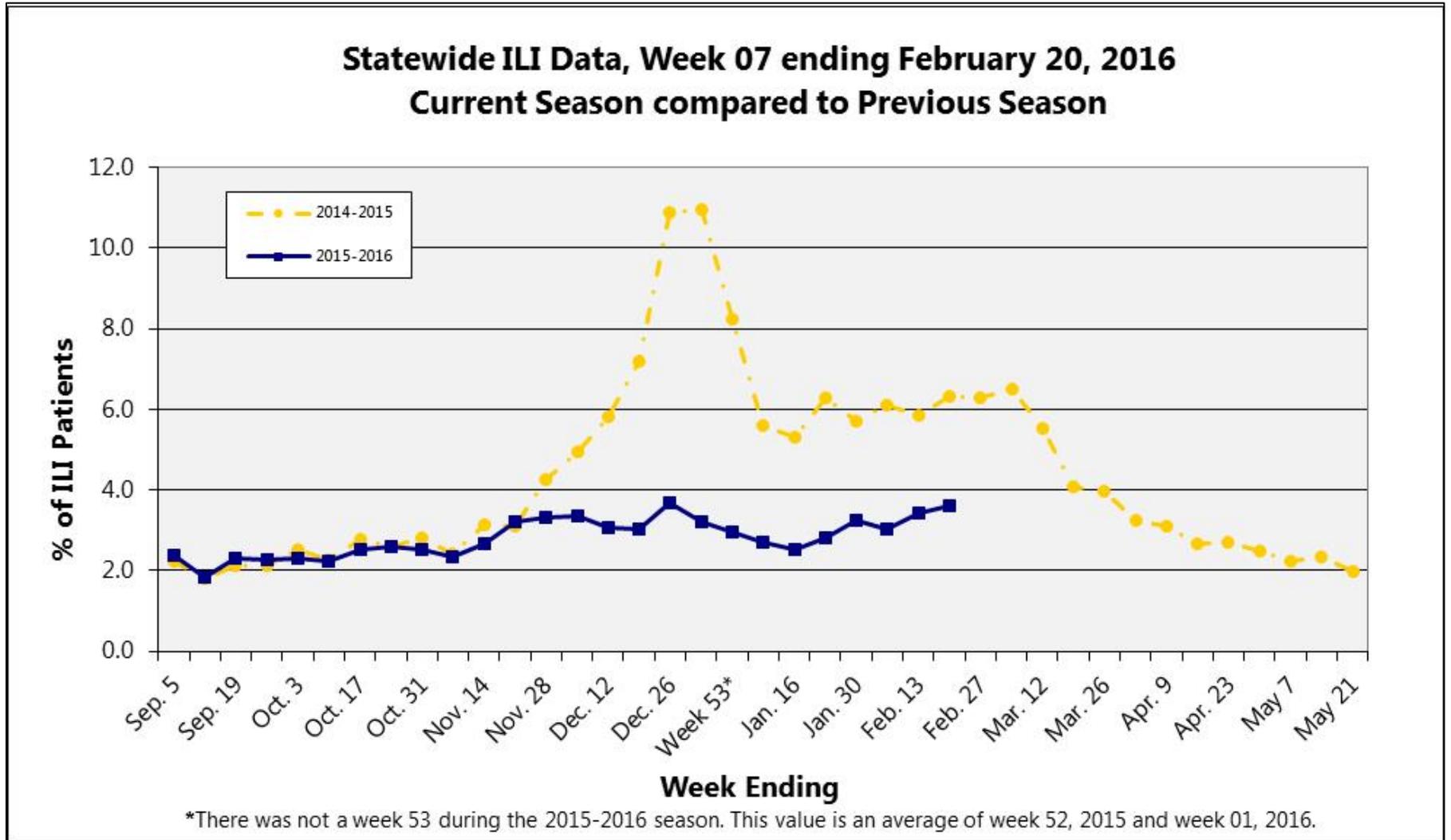


Figure 2

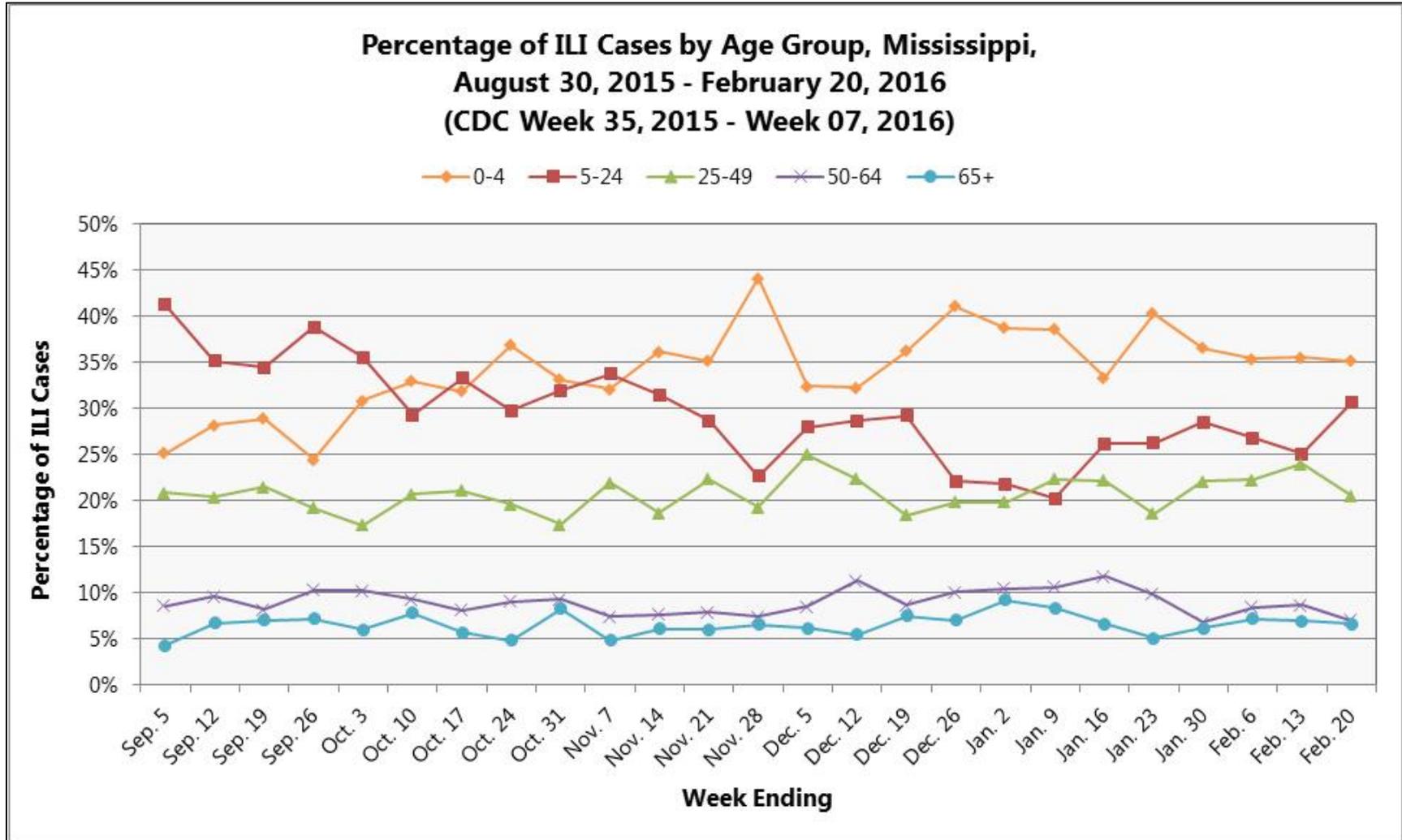


Figure 3

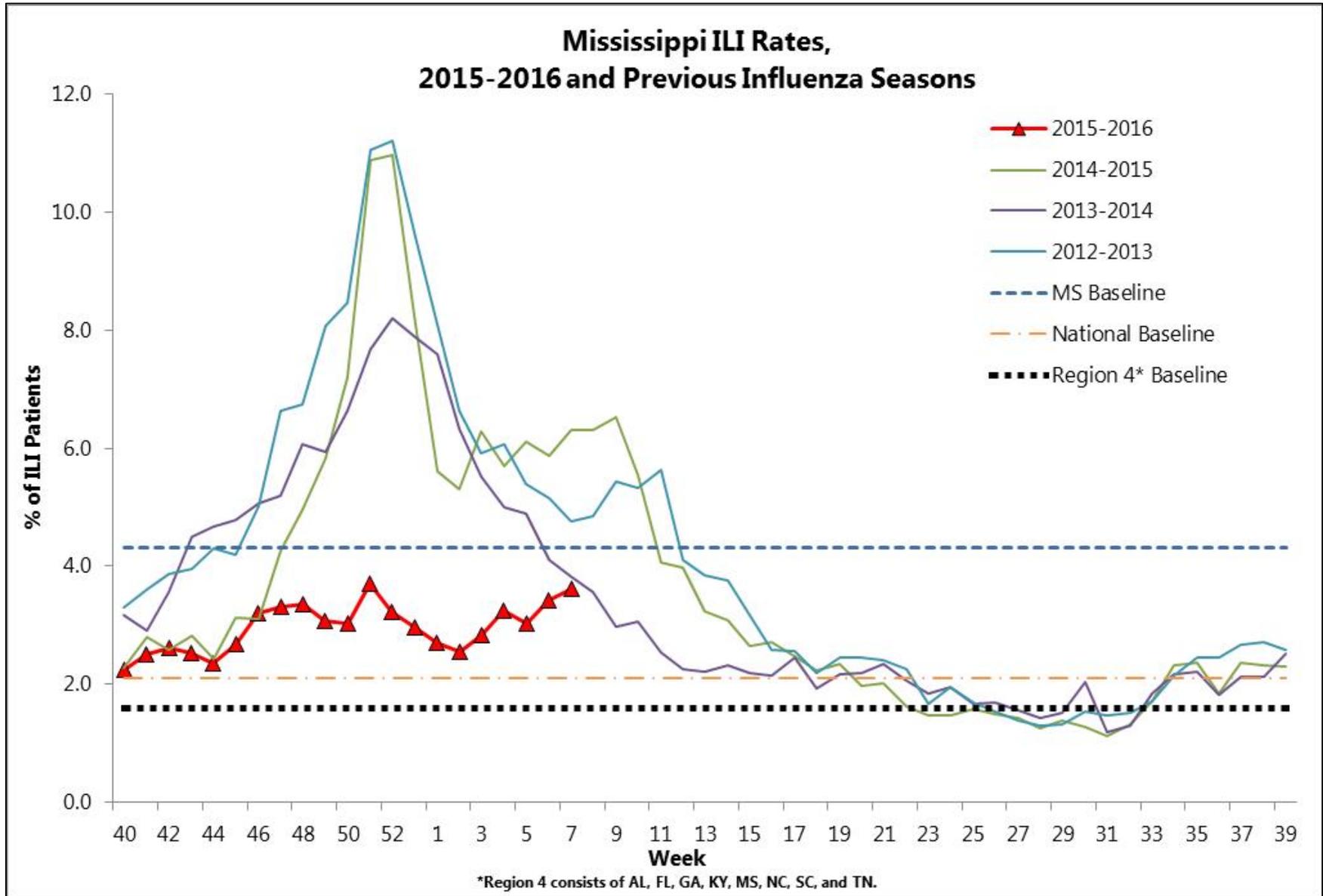


Figure 4

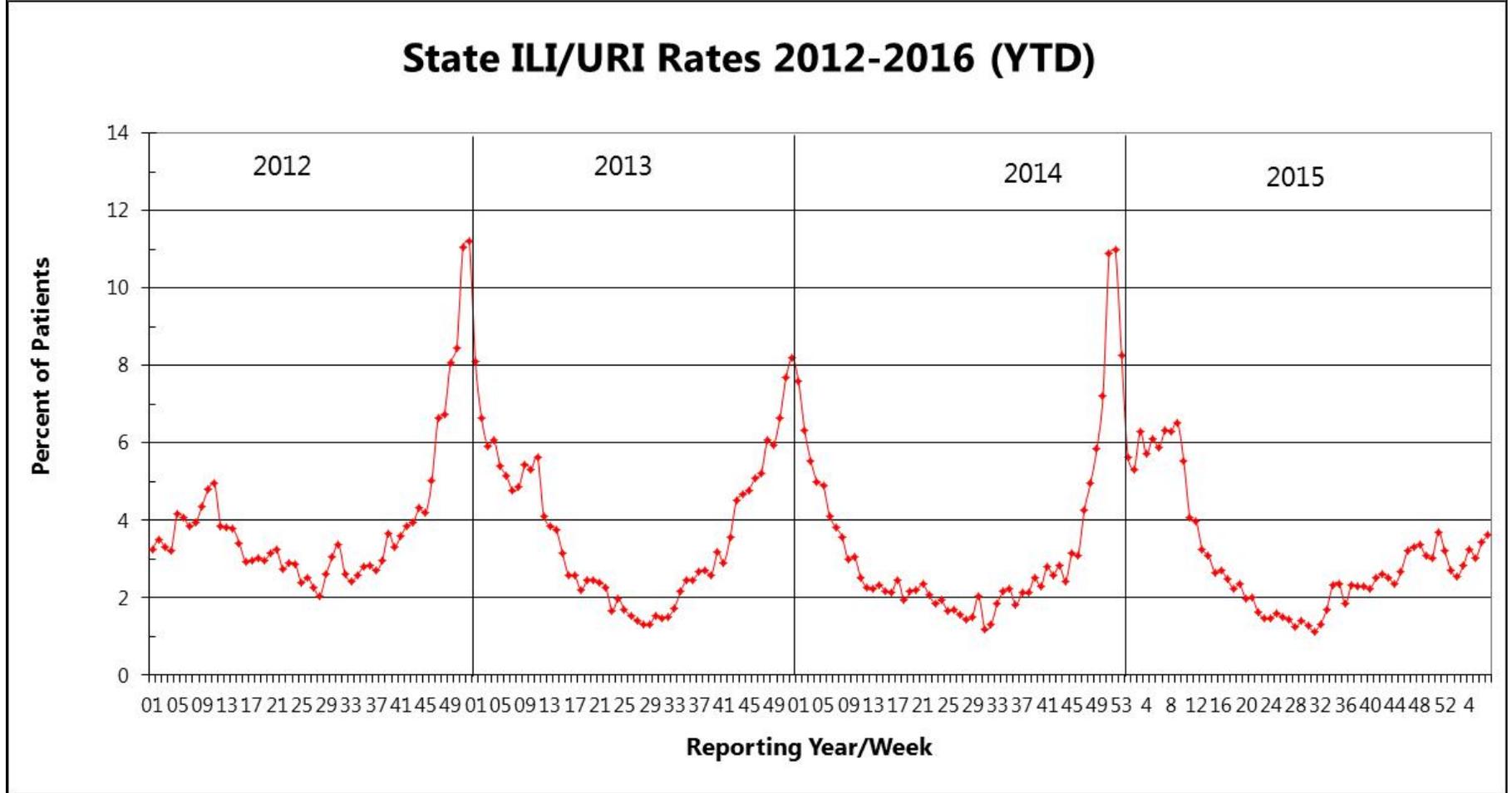


Figure 5

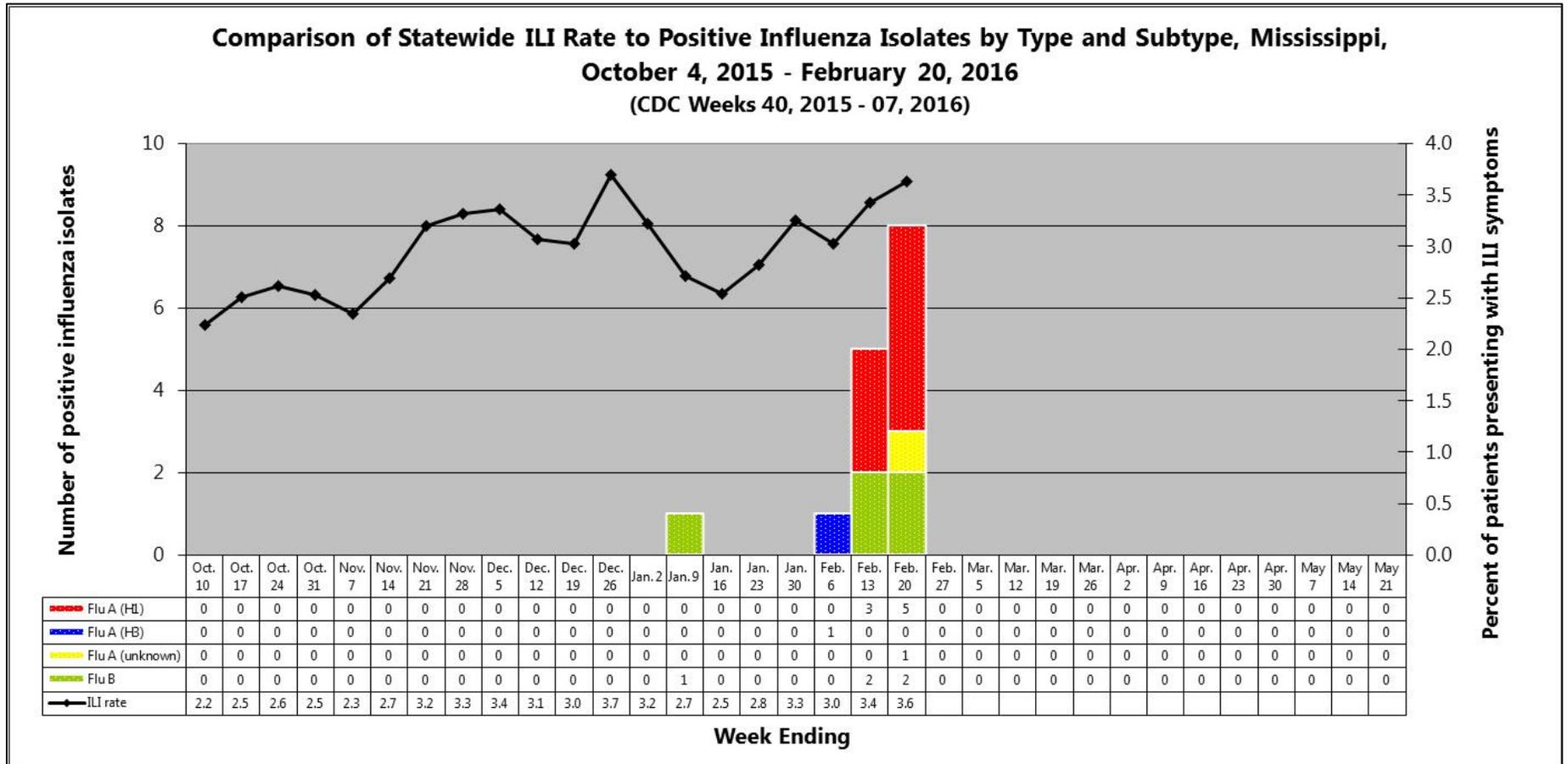


Figure 6

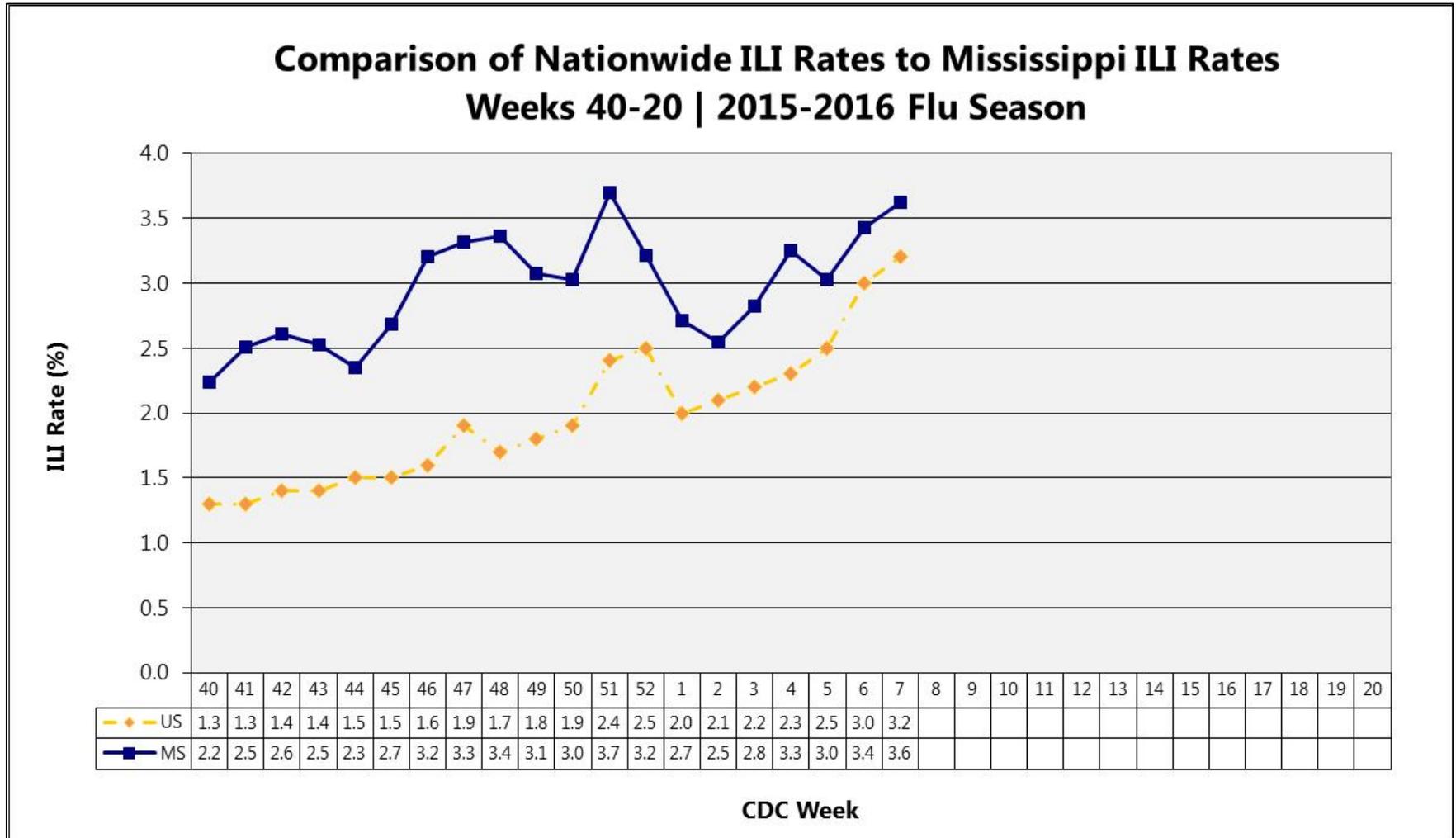


Figure 7

