



2016-2017 Influenza Report Week 04 Jan. 22 – Jan. 28, 2017

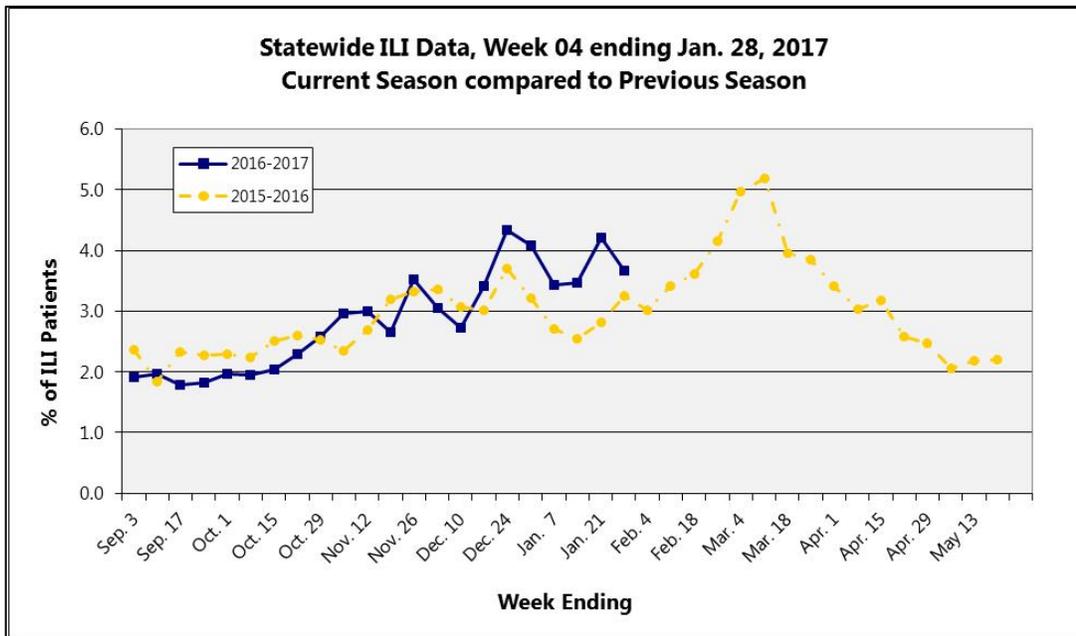
About our flu activity reporting

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.**

Content

- ❖ [State ILI Surveillance](#)
- ❖ [Flu Testing Reports](#)
- ❖ [National and Mississippi Pediatric Mortality Surveillance](#)
- ❖ [National ILI Surveillance](#)
- ❖ [Appendix](#)
 - [Figure 1](#) (Statewide ILI Data, Current Season compared to Previous Season)
 - [Figure 2](#) (Percentage of ILI Cases by Age Group, Mississippi)
 - [Figure 3](#) (Mississippi ILI Rates, 2016-2017 and Previous Seasons)
 - [Figure 4](#) (State ILI/URI Rates 2013-2017 (YTD))
 - [Figure 5](#) (Comparison of Statewide ILI Rate to Positive Influenza Isolates by Type and Subtype, Mississippi)
 - [Figure 6](#) (Comparison of Nationwide ILI Rates to Mississippi ILI Rates)
 - [Figure 7](#) (CDC FluView Weekly Influenza Activity Map)

State ILI Surveillance



During week **04** (01/22/17 - 01/28/17), the state ILI rate (**3.7%**) **decreased** from the previous week (**4.2%**), but was **comparable** to this time last year (**3.3%**). |

Figure 1

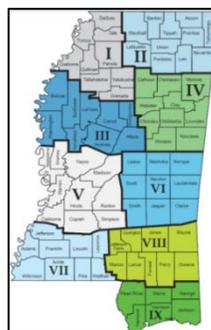
Total number of patients seen by sentinel providers in the last three weeks. | **Table 1**

2016-2017 Influenza Season					
CDC Week	Week Ending	Number of ILI Reports	Total patients	ILI symptoms	ILI Rate (%)
04	Jan. 28	124	17165	631	3.7%
03	Jan. 21	134	17934	754	4.2%
02	Jan. 14	137	18056	627	3.5%

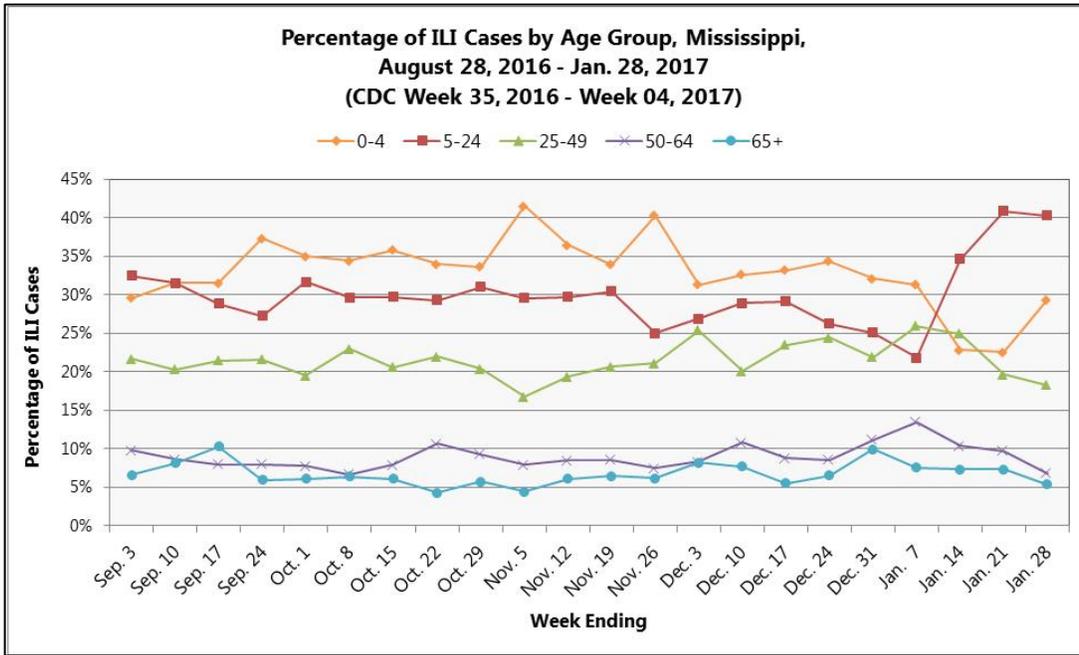
During week **04**, **one** district (4) had a slight increase in ILI activity, while **four** districts (3, 6, 7, and 8) had a decrease.

Four districts (1, 2, 5, and 9) remained about the same.

Information is provisional only and may change depending on additional reporting from sentinel providers. | **Table 2**



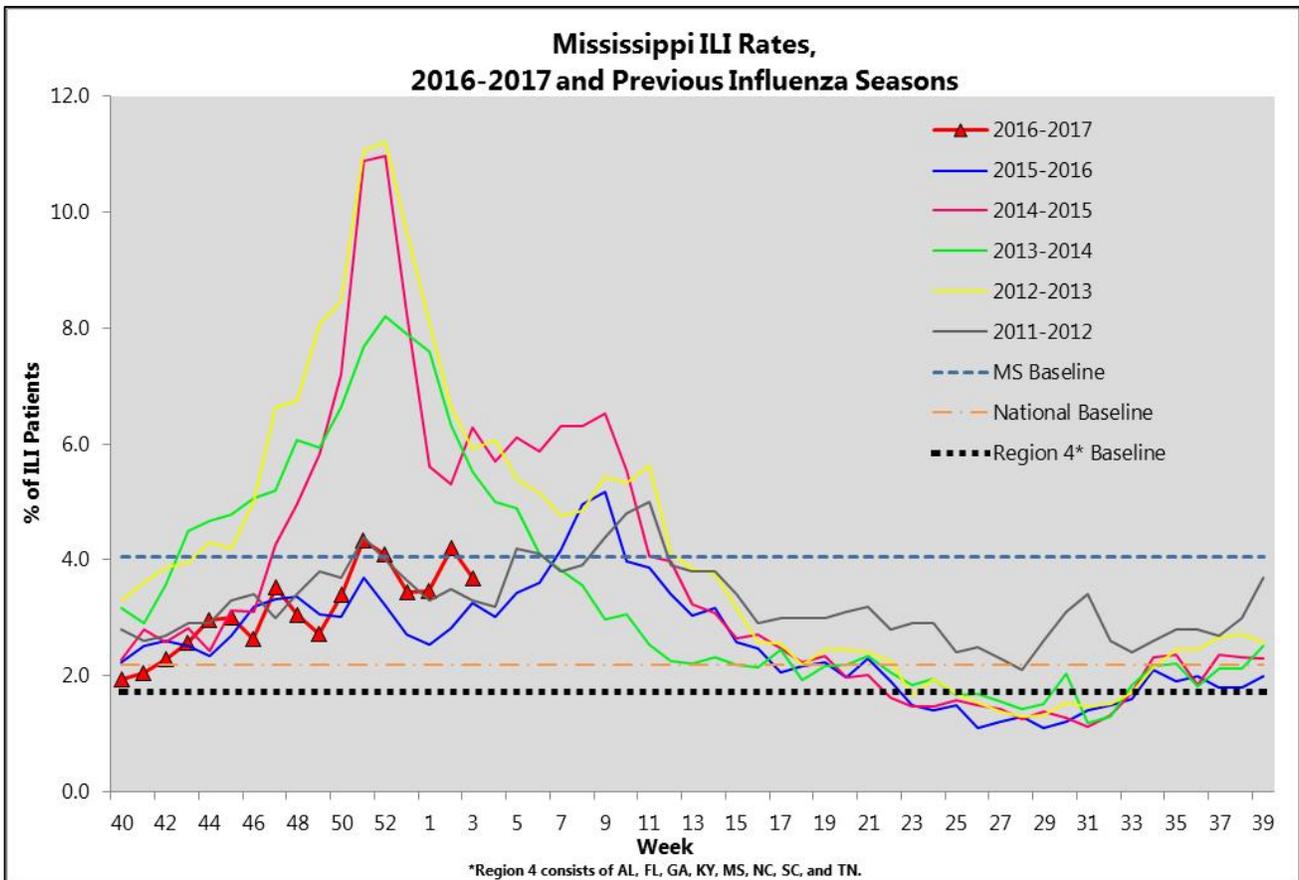
MSDH District ILI Rates (%) 2016-2017		
District	Week 03	Week 04
State	4.2	3.7
I	1.7	2.0
II	7.2	7.0
III	2.4	1.4
IV	5.2	5.9
V	3.9	3.4
VI	7.5	5.8
VII	5.3	3.7
VIII	2.7	1.8
IX	4.5	4.1



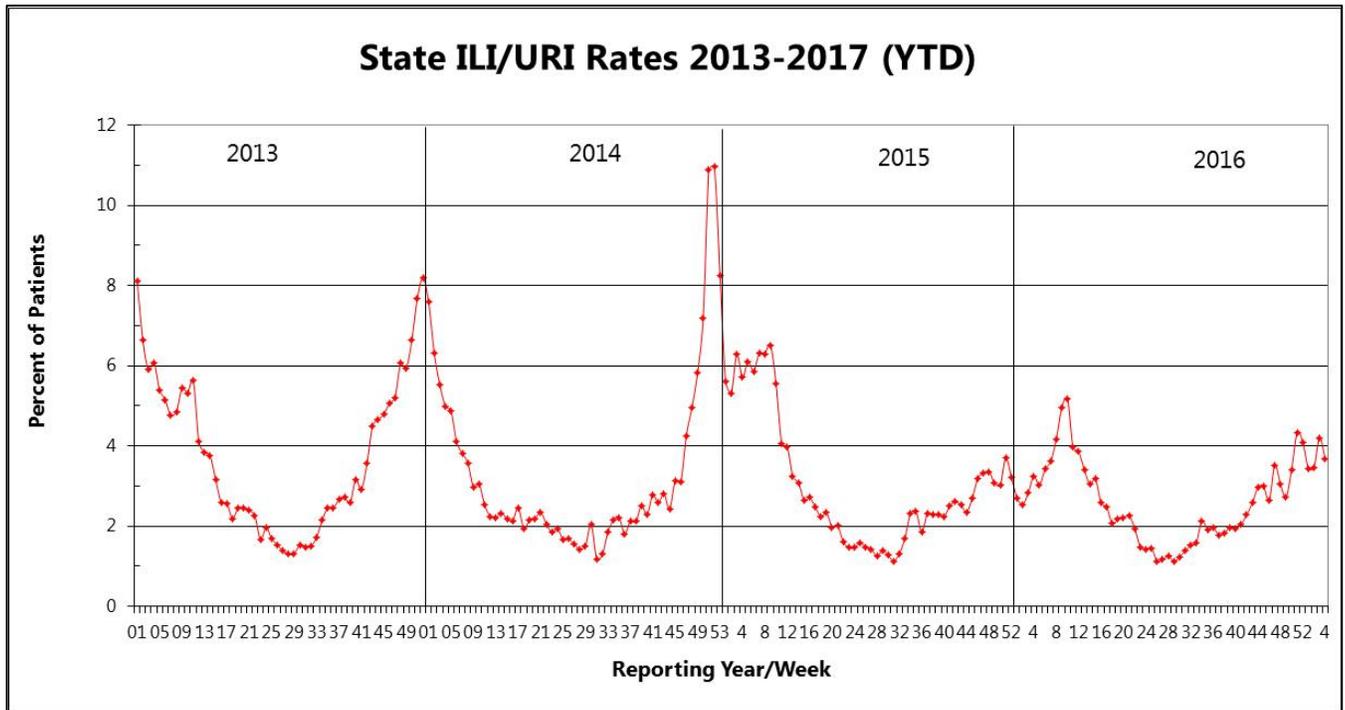
Overall, the percentage of reported ILI cases has been highest among those in the **0-4** and **5-24 years**. During week **04**, however, the percentage of reported ILI cases was

highest among those in the **5-24 years** of age group. | [Figure 2](#)

The 2016-17 state ILI rate was **above** the national and Region 4 baselines, but was **comparable** to the state baseline, for week **04**. | [Figure 3](#)

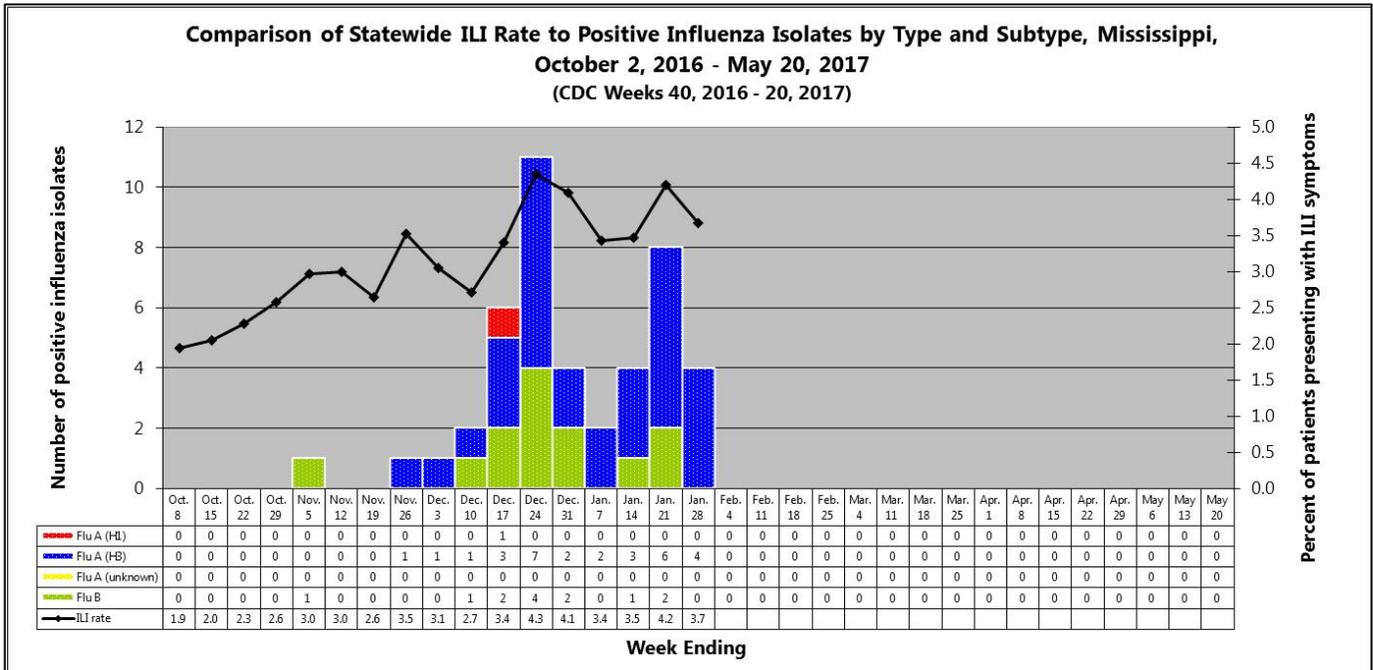


Mississippi ILI Rates 2013-2017 | [Figure 4](#)



Flu Testing Reports

From week **40** (week ending Oct. 8th) through week **04** (week ending Jan. 28th), 44 laboratory confirmed influenza samples were identified by the MSDH Public Health Laboratory. Thirty (68%) samples were identified as influenza A (H3), 13 (30%) were identified as influenza B, and one (2%) was identified as influenza A (H1). | [Figure 5](#)



The influenza cases were identified from the following counties: Alcorn (1), Coahoma (1), DeSoto (1), George (3), Harrison (2), Hinds (2), Lafayette (1), Lauderdale (1), Lawrence (1), Leflore (1), Lincoln (4), Lowndes (5), Marshall (1), Monroe (1), Neshoba (2), Newton (2), Oktibbeha (7), Pearl River (2), Pike (2), Pontotoc (1), Rankin (1), and Winston (2).

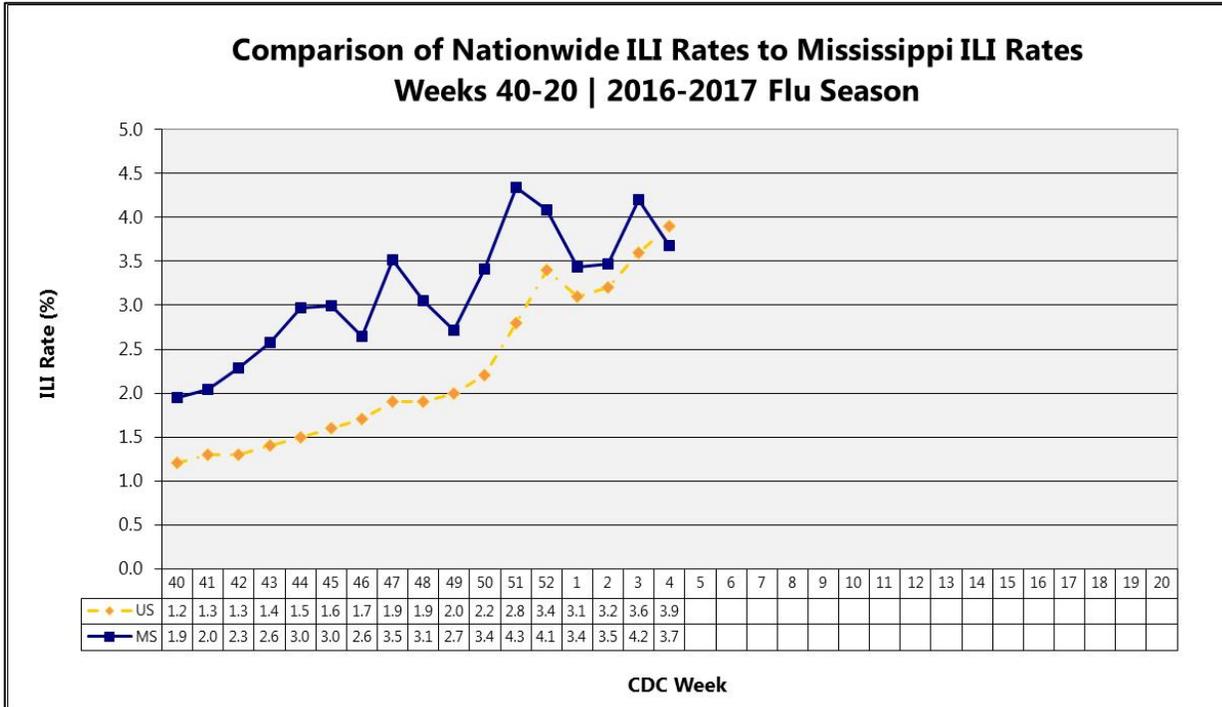
National and Mississippi Pediatric Mortality Surveillance

Nationally, **seven** influenza-associated pediatric deaths were reported to CDC during week **04**. Three deaths were associated with an influenza A (H3) virus and occurred during weeks 01, 02, and 04 (weeks ending January 7th, 14th, and 28th, respectively). Three deaths were associated with an influenza A virus for which no subtyping was performed and occurred during weeks 01, 03, and 04 (weeks ending January 7th, 21st, and 28th, respectively). One death was associated with an influenza B virus and occurred during week 03 (week ending January 21st). **15** influenza-associated pediatric deaths have been reported during the 2016-2017 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 **04**, the MS ILI rate (3.7%) was **comparable** to the national ILI rate (3.9%). | [Figure 6](#)



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

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

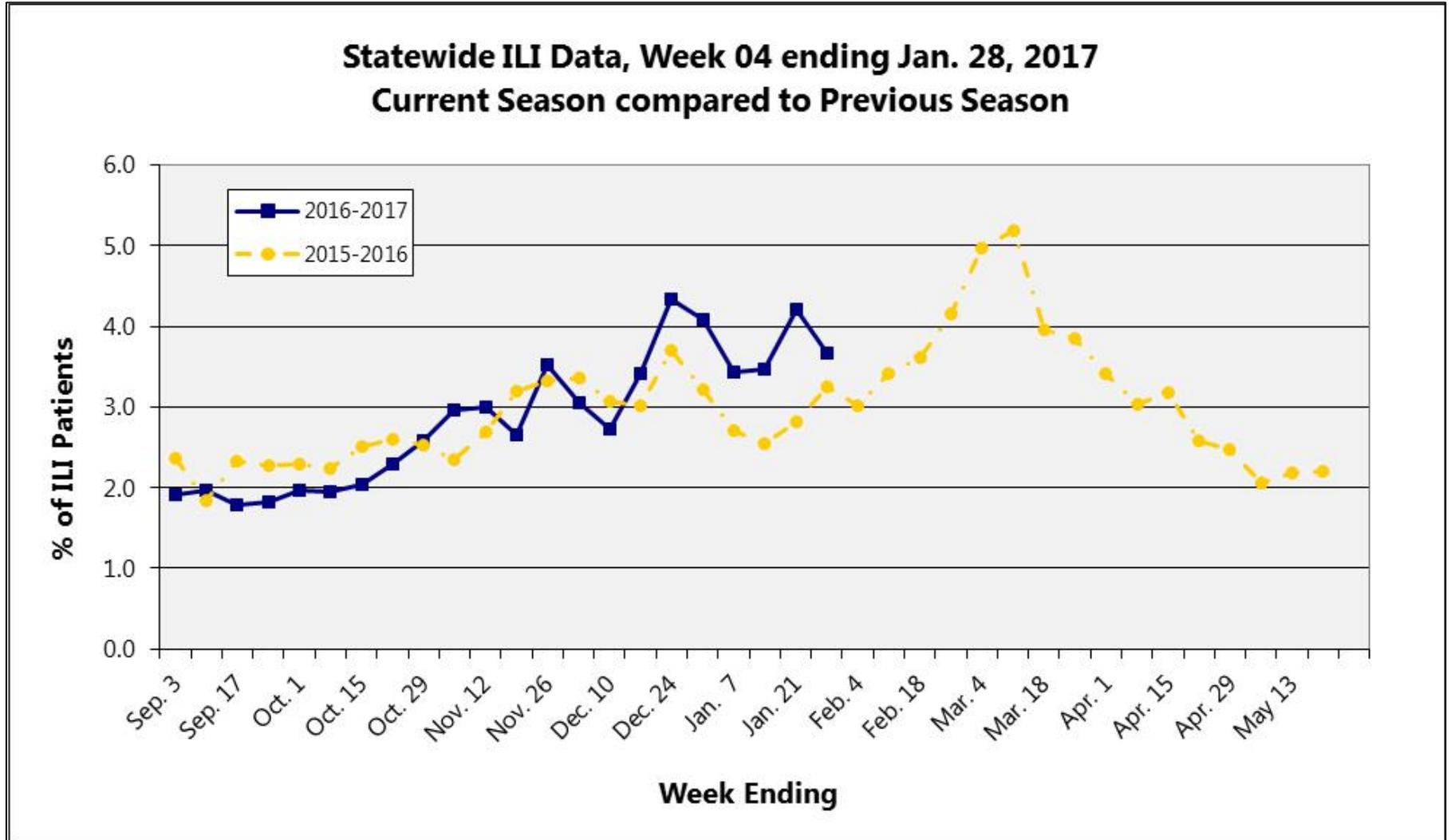


Figure 2

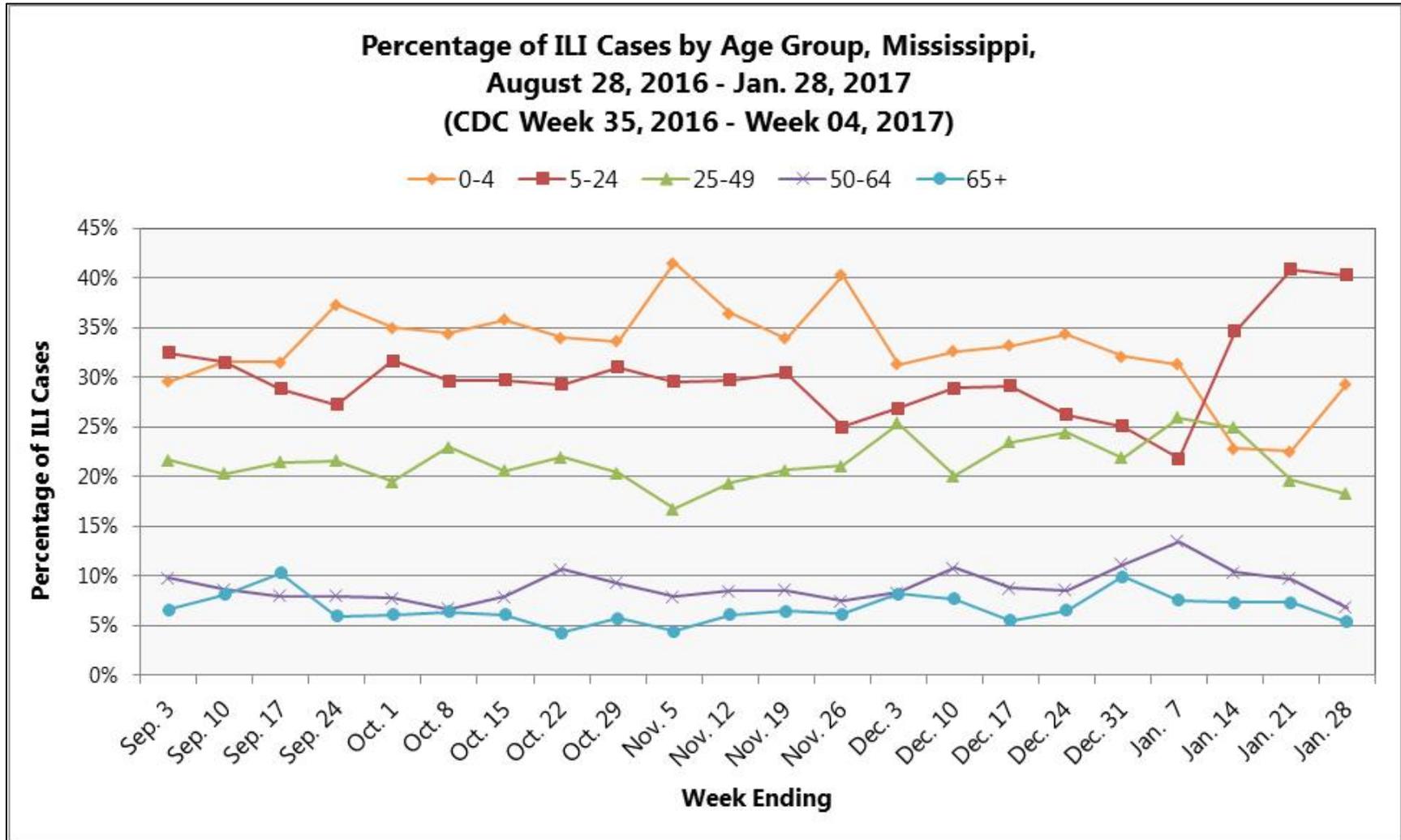


Figure 3

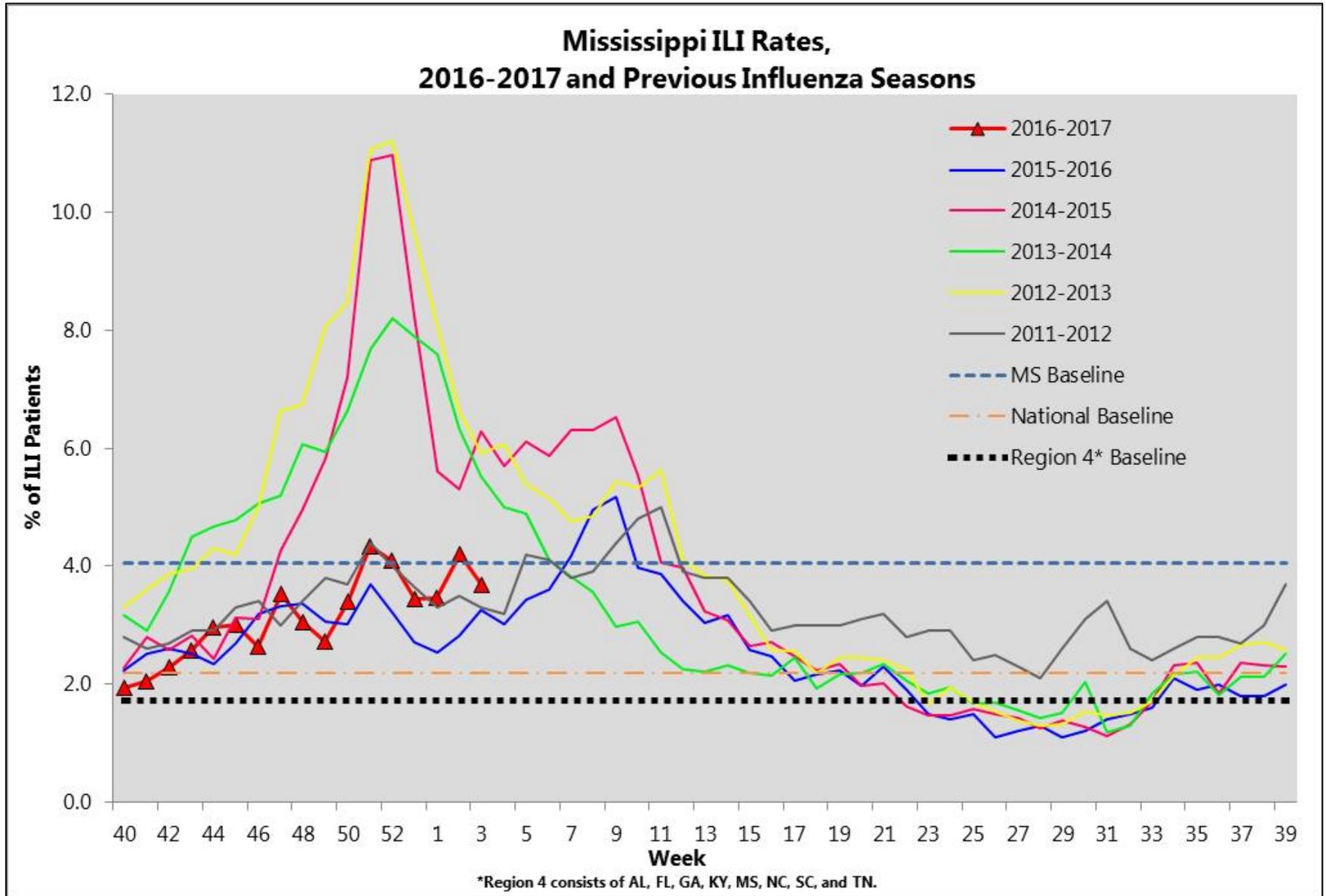


Figure 4

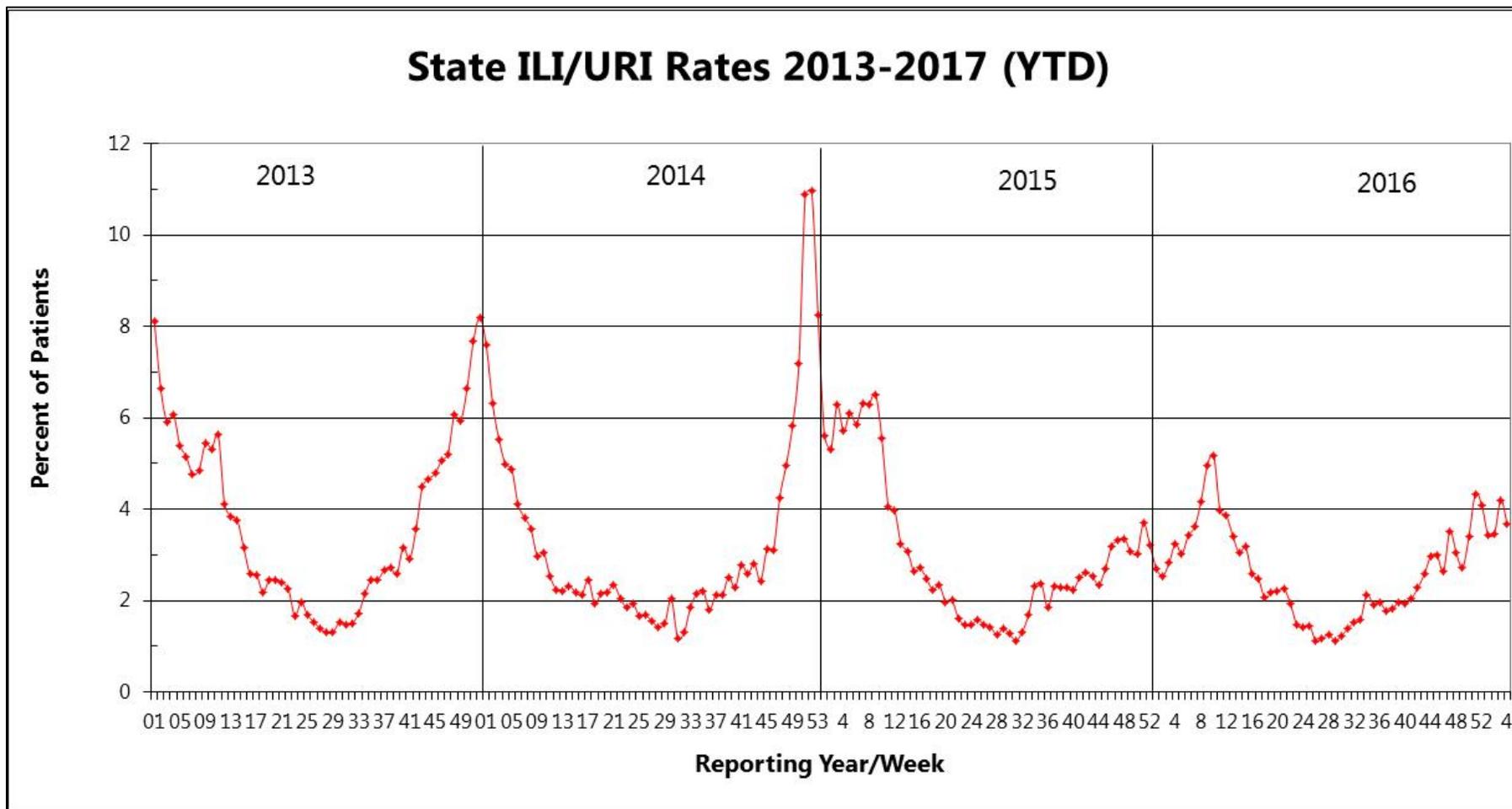


Figure 5

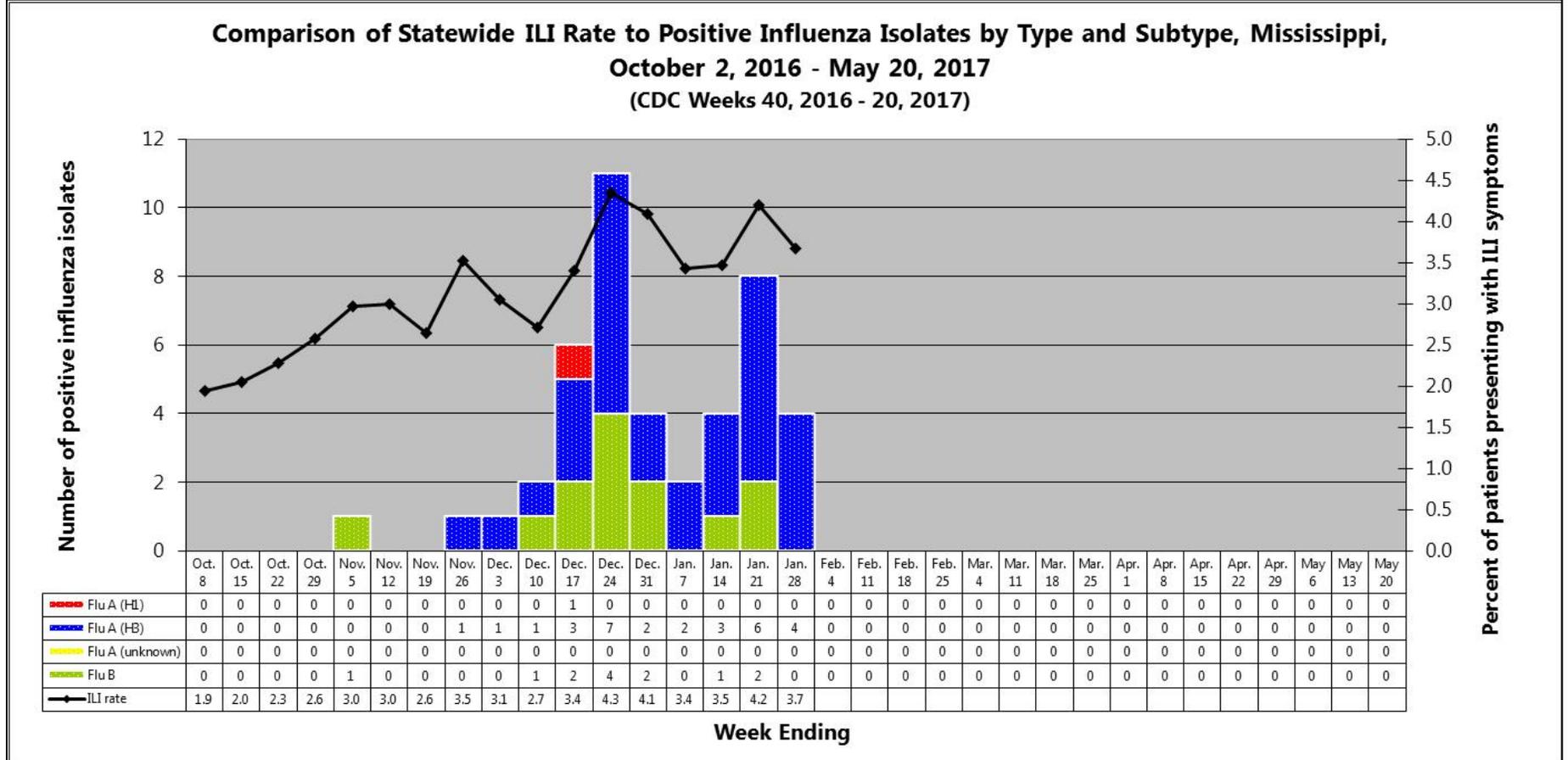


Figure 6

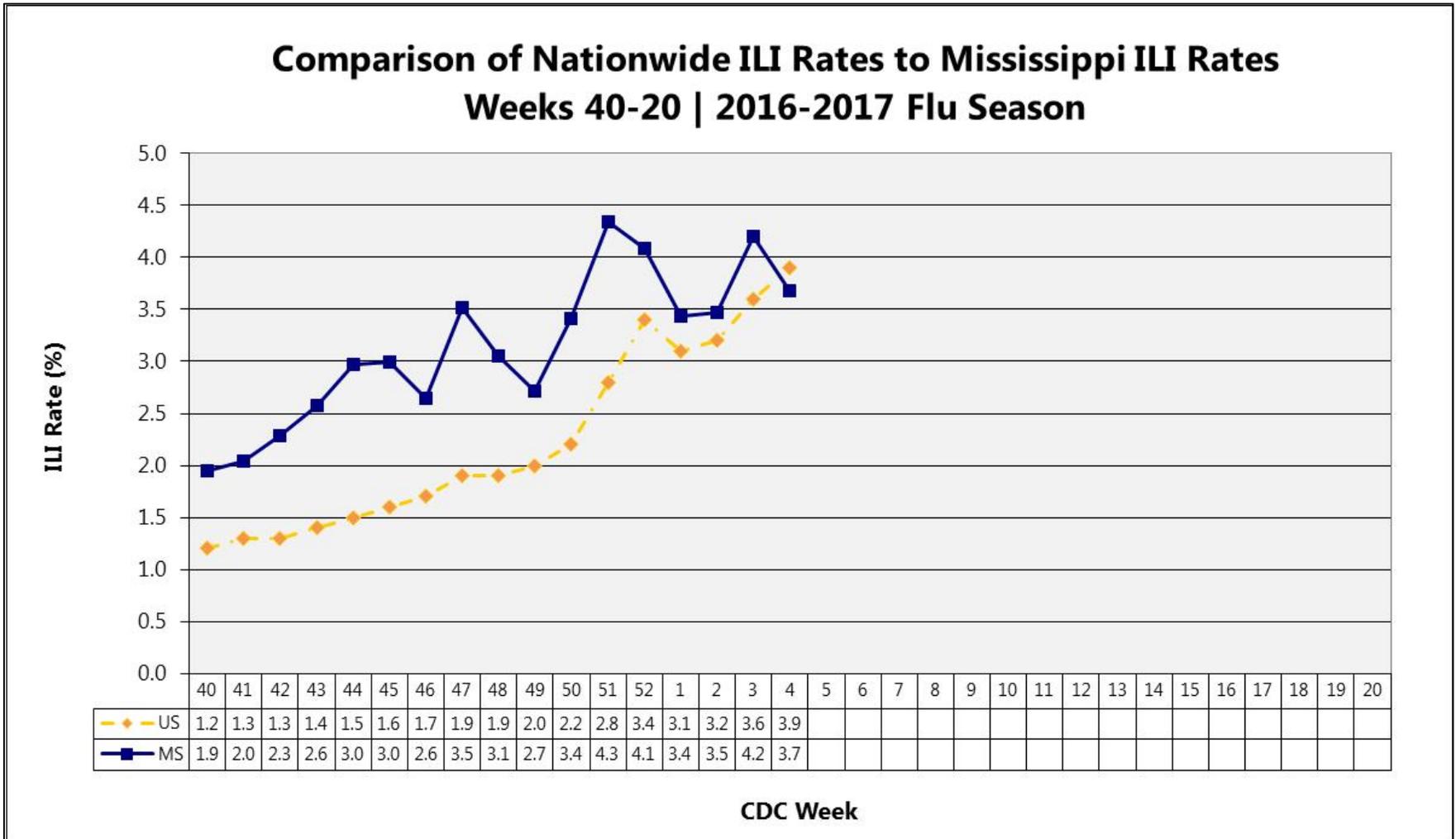


Figure 7

