



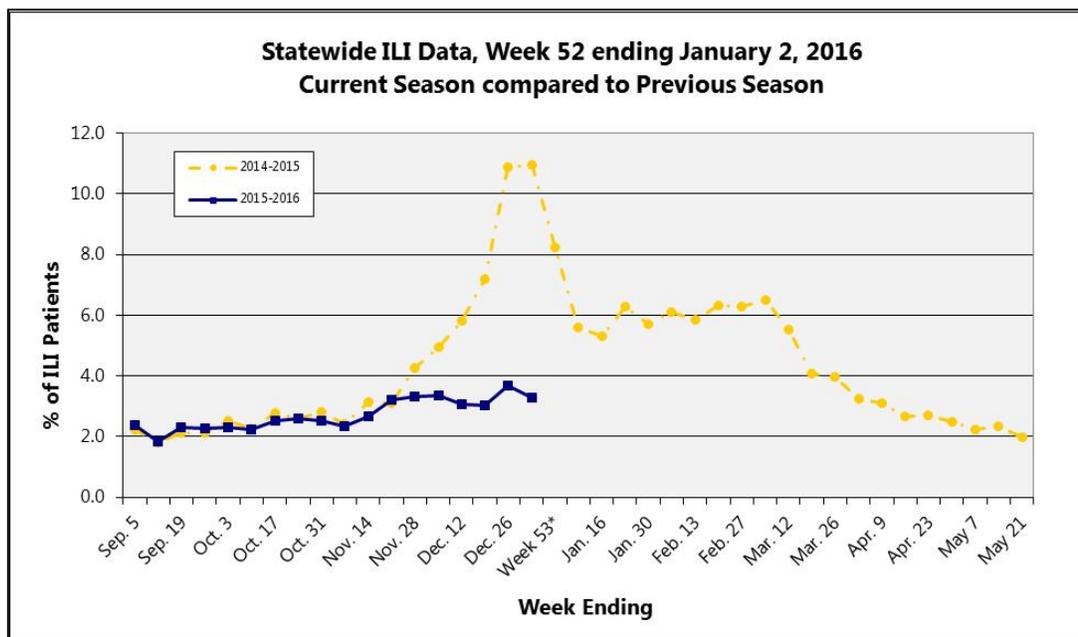
# 2015-2016 Influenza Report Week 52

December 27, 2015 – January 2, 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 52 (12/27/15-01/02/16), the overall state ILI rate (3.3%) was comparable to the previous week (3.7%), but was lower than this time last year (11.0%). | [Figure 1](#)

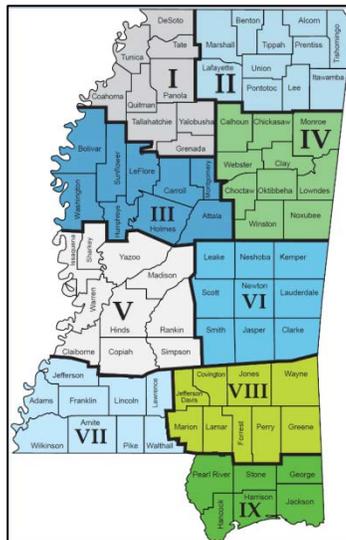
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Total number of patients treated by sentinel providers in the last three weeks. | **Table 1**

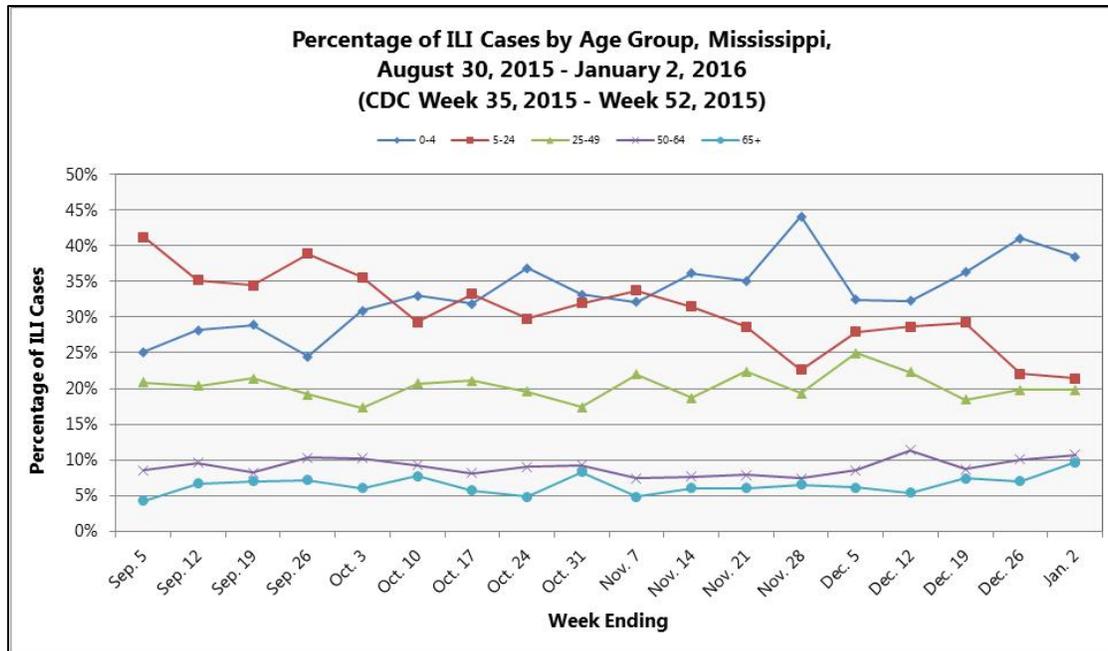
### 2015-2016 Influenza Season

CDC Week	Week Ending	Total patients	ILI symptoms	ILI Rate (%)
<b>52</b>	<b>Jan. 02</b>	<b>17,640</b>	<b>580</b>	<b>3.3%</b>
51	Dec. 26	16,654	616	3.7%
50	Dec. 19	18,683	565	3.0%

During week **52**, **one** district (6) had a slight increase in ILI activity, while **two** districts (1 and 2) had a decrease. **Six** districts (3, 4, 5, 7, 8, and 9) remained about the same. *Information is provisional only and may change depending on additional reporting from sentinel providers.* | **Table 2**



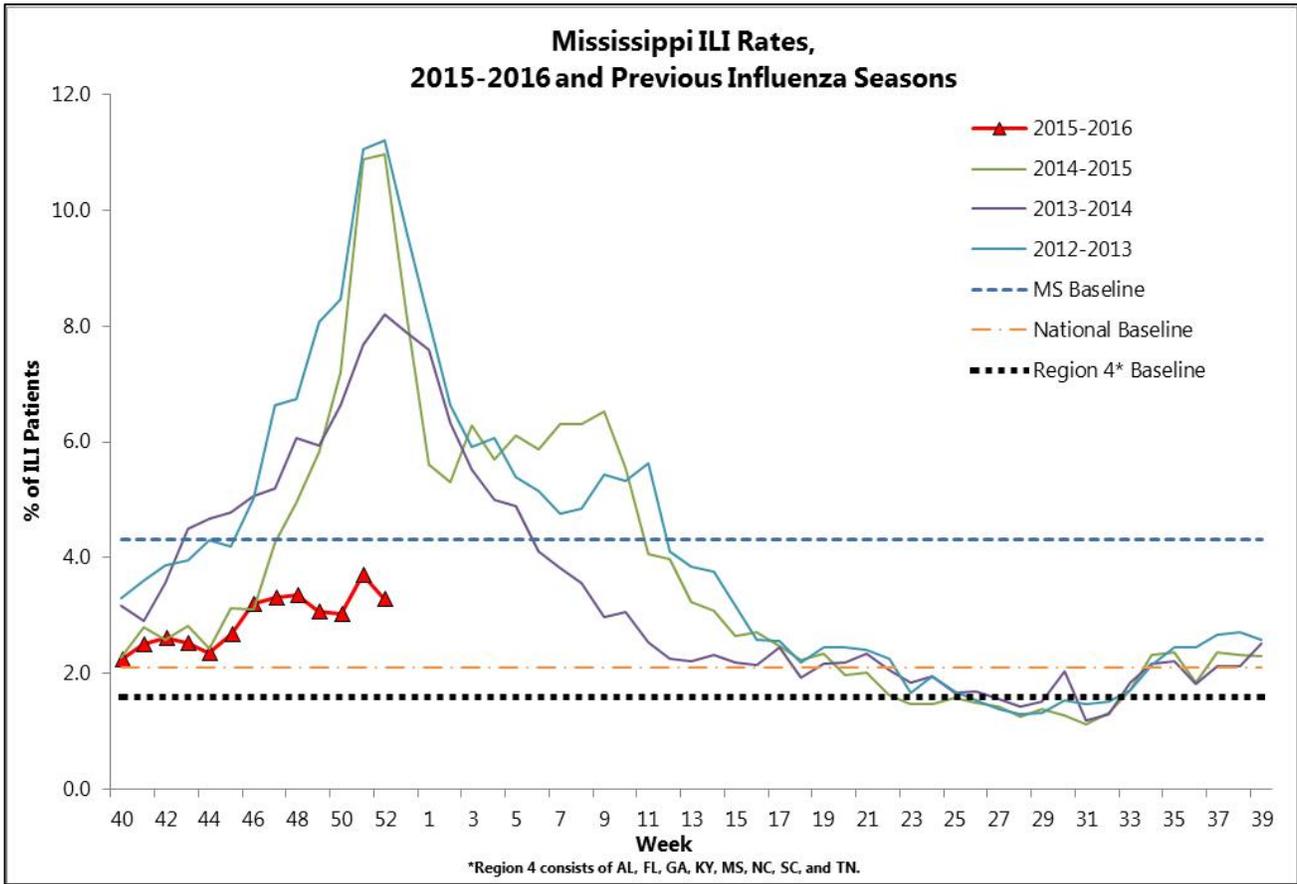
MSDH District ILI Rates (%) 2015-2016		
District	Week 51	Week 52
State	3.7	3.3
I	6.2	2.9
II	4.3	2.0
III	6.1	6.0
IV	4.4	4.5
V	2.4	2.1
VI	7.1	7.8
VII	2.8	2.6
VIII	2.0	1.7
IX	4.1	4.0



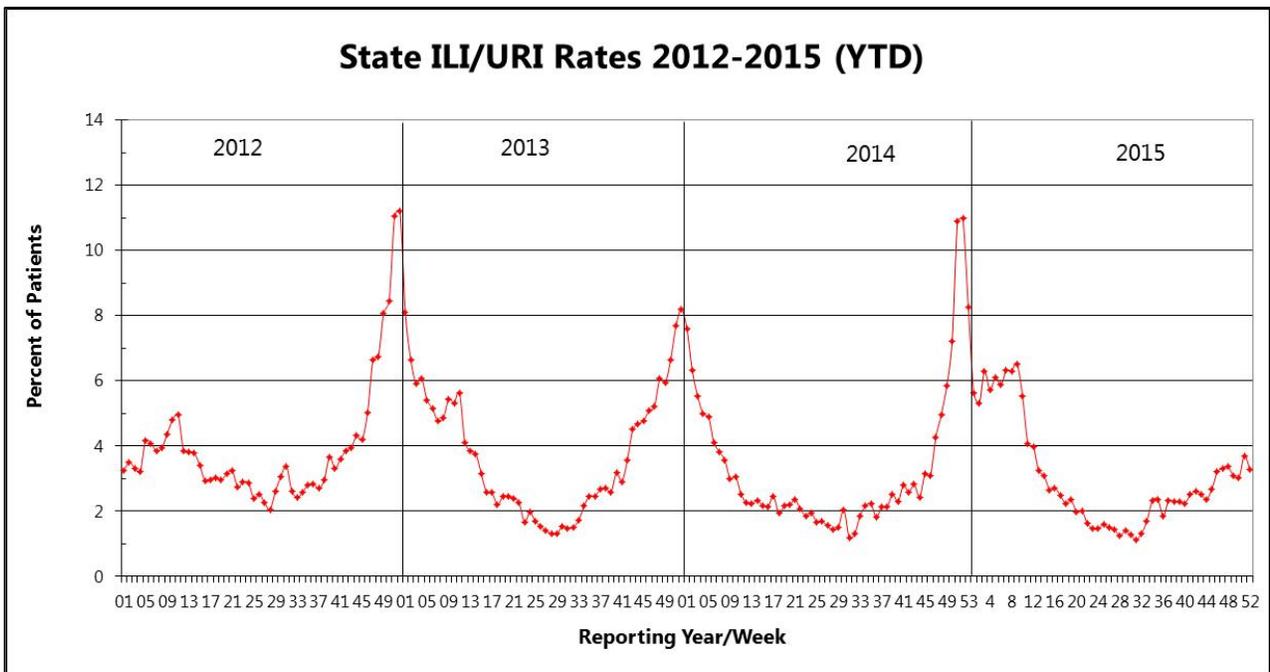
Overall, the percentage of reported ILI cases has been highest among those in the **0-4** and **5-24** years of age groups. During week **52**, however,

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 52. | [Figure 3](#)



Mississippi ILI Rates 2012-2015 | [Figure 4](#)



### Flu Testing Reports

During week **52** (week ending January 2<sup>nd</sup>), there were no laboratory confirmed influenza cases identified by the MSDH Public Health Laboratory.

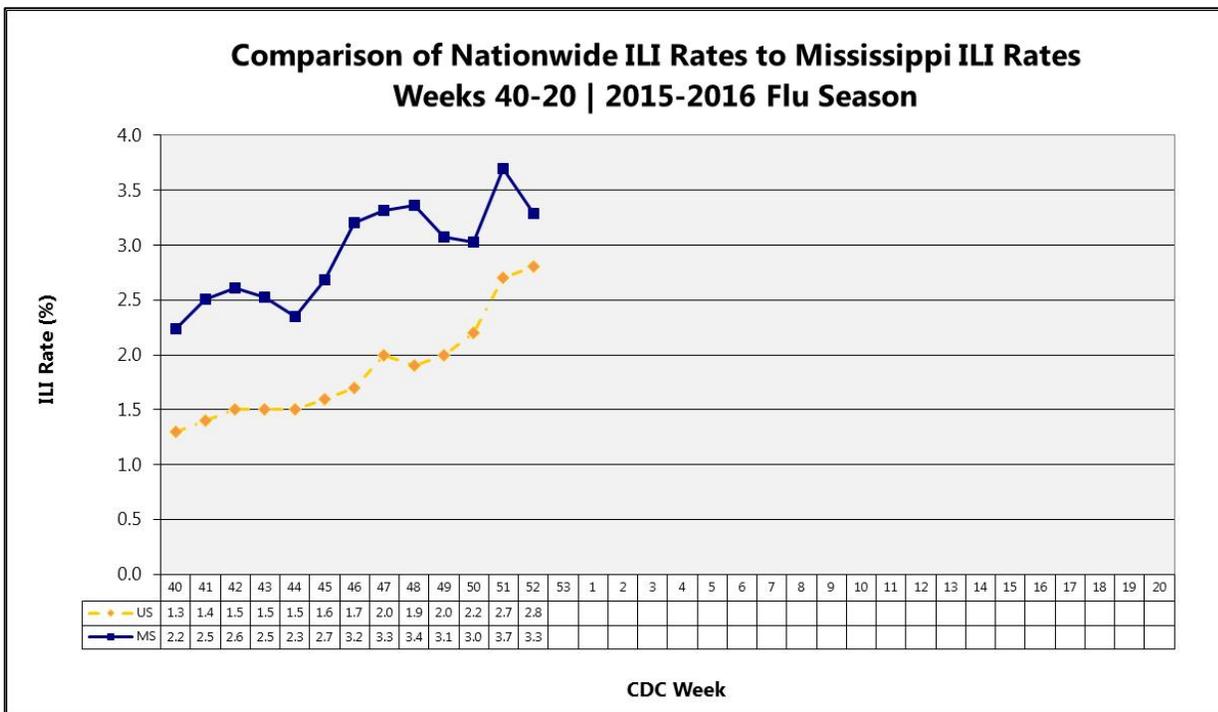
### National and Mississippi Pediatric Mortality Surveillance

Nationally, **two** influenza-associated pediatric deaths were reported to CDC during week **52**. One death was associated with an influenza A (H3) virus and occurred during week 51 (week ending December 26<sup>th</sup>) and one death was associated with an influenza A (H1N1)pdm09 virus and occurred during week 52 (week ending January 2<sup>nd</sup>). **Six** influenza-associated pediatric deaths have been reported during the 2015-2016 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 **52**, the MS ILI rate (3.3%) was **slightly above** the national ILI rate (2.8%). | [Figure 5](#)



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

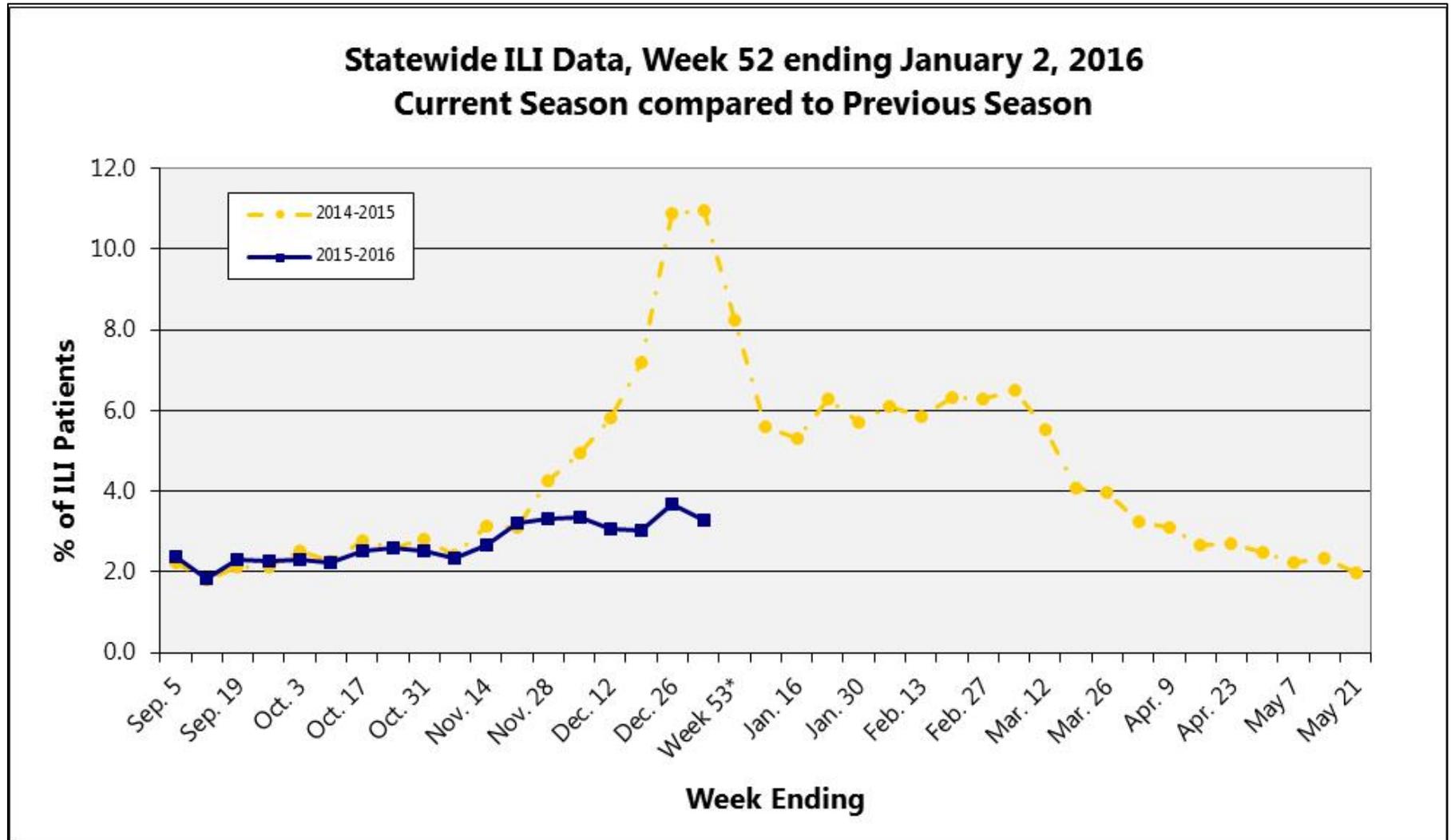
Mississippi reported “**No Activity**” for the influenza activity during week **52**. | **Table 3**

<b>Level of Flu Activity</b>	<b>Definition</b>
<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.



## Appendix

Figure 1



**Figure 2**

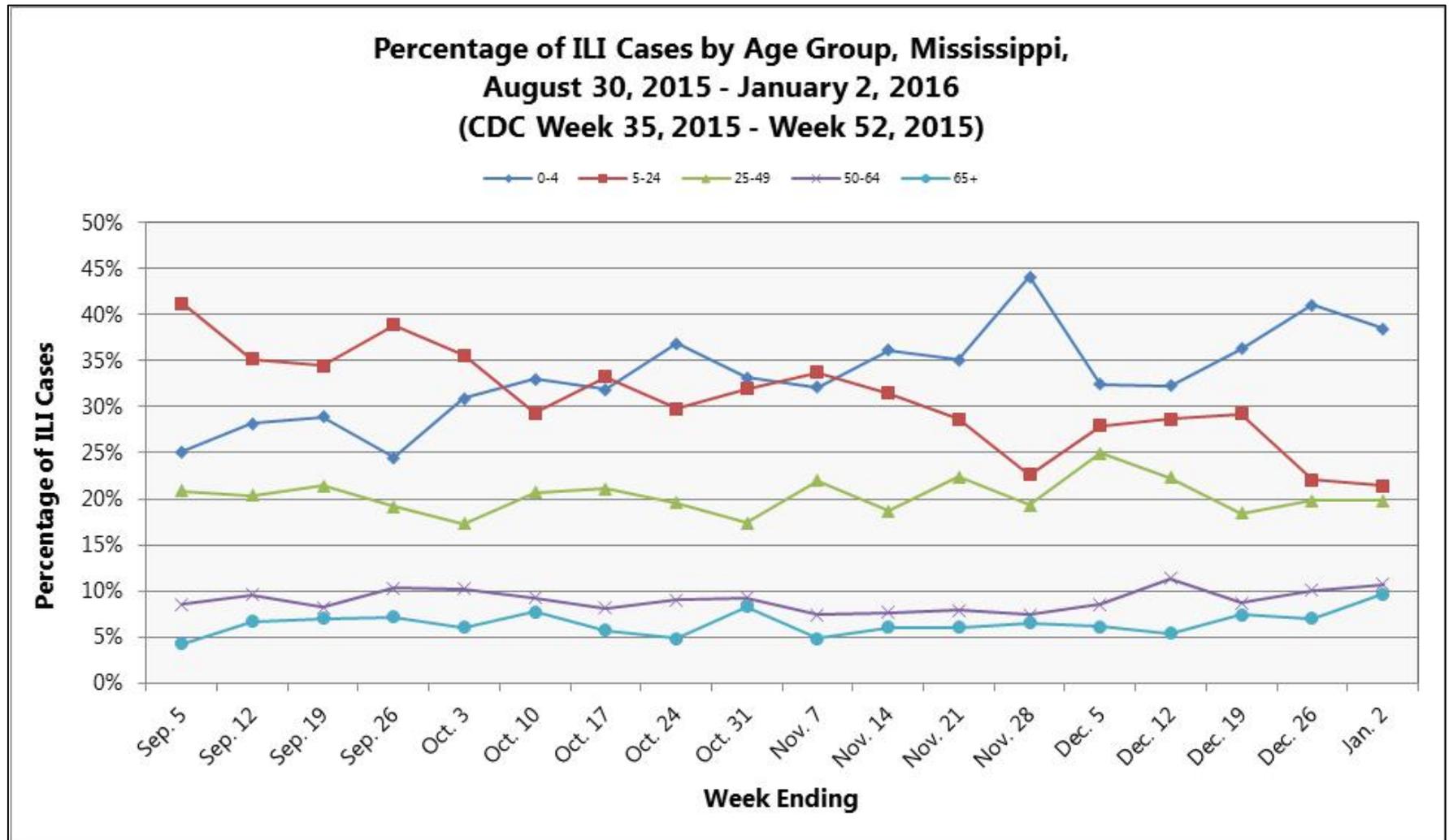


Figure 3

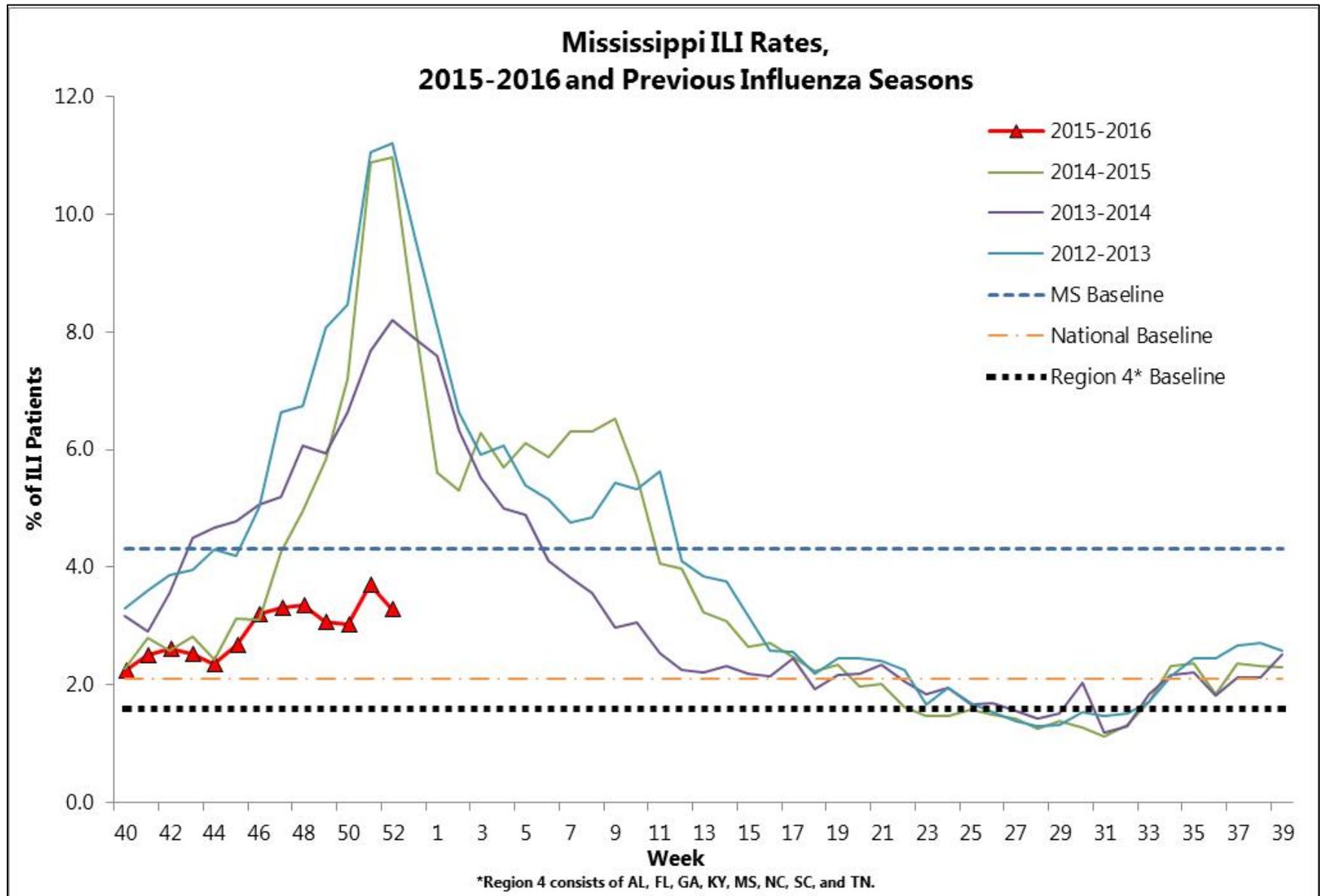


Figure 4

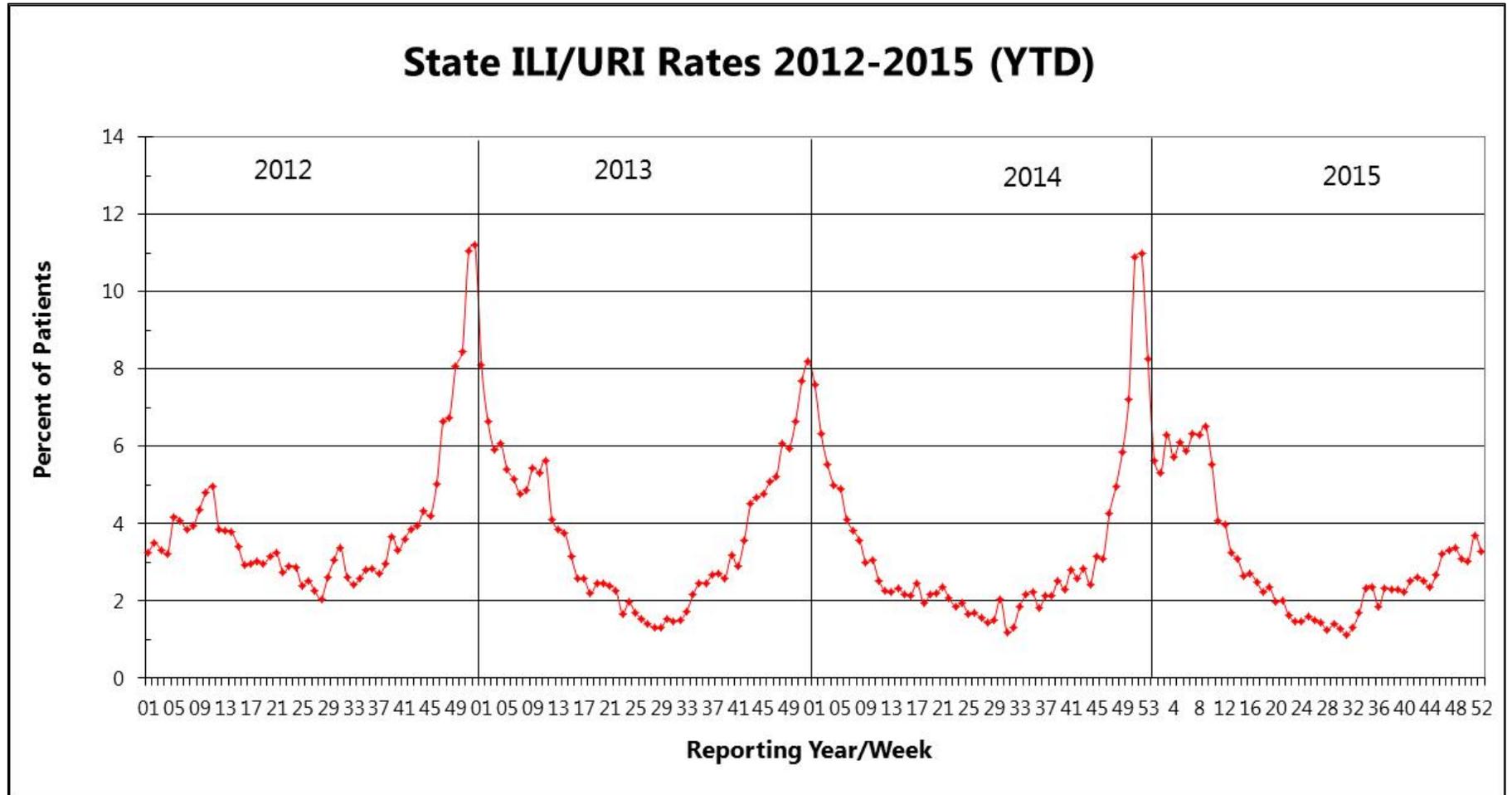


Figure 5

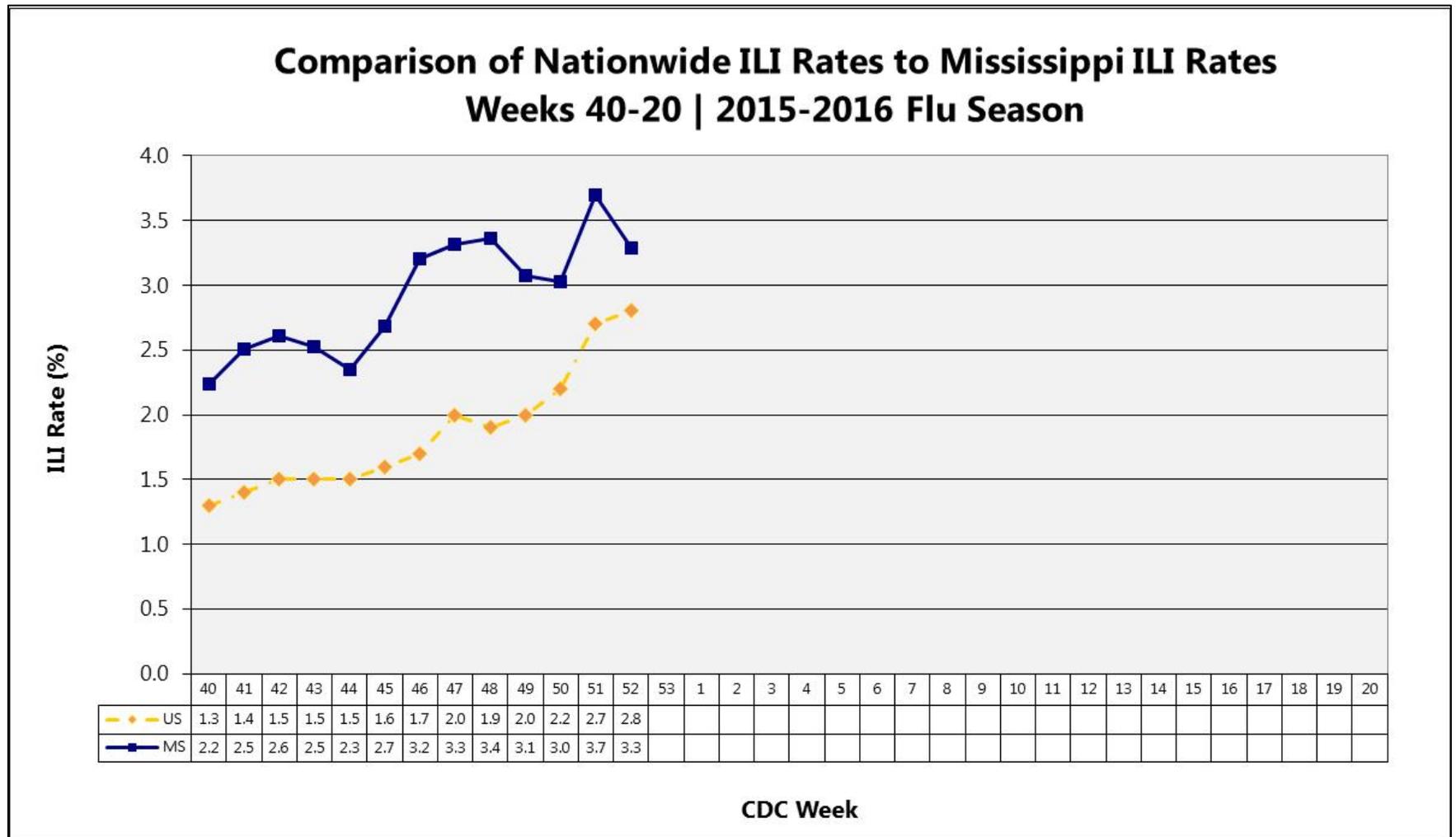


Figure 6

