



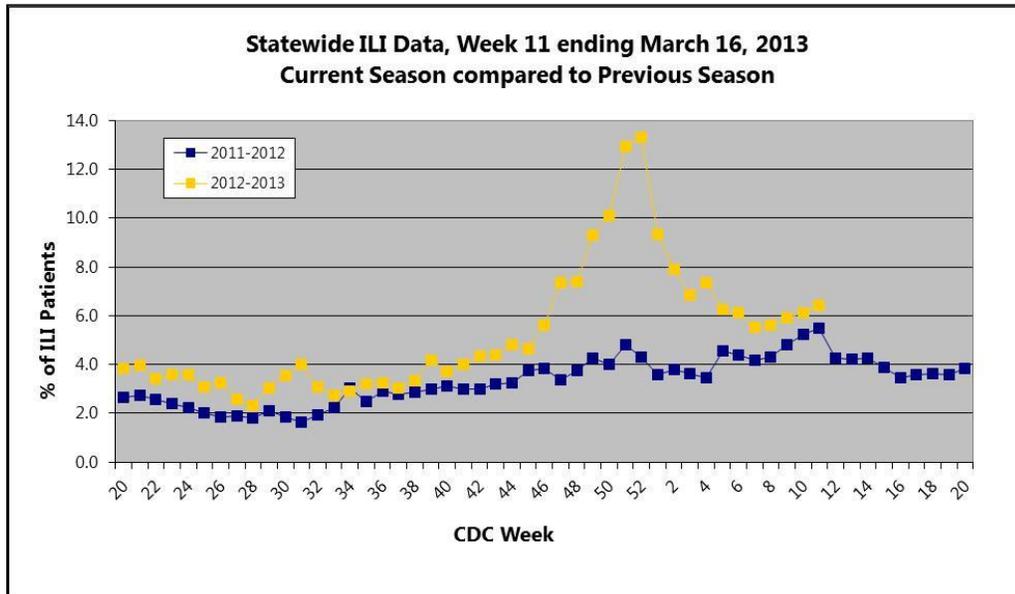
# 2012-2013 Influenza Report Week 11

March 10 – March 16, 2013

## About our flu activity reporting

MSDH relies upon selected sentinel health practitioners across the state to report the percentage of non-trauma 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



For week **11** (03/10/2013-03/16/2013), the overall state ILI rate (**6.4%**) was **comparable** to last week (**6.1%**), but was **higher** than this time last year (**5.5%**).

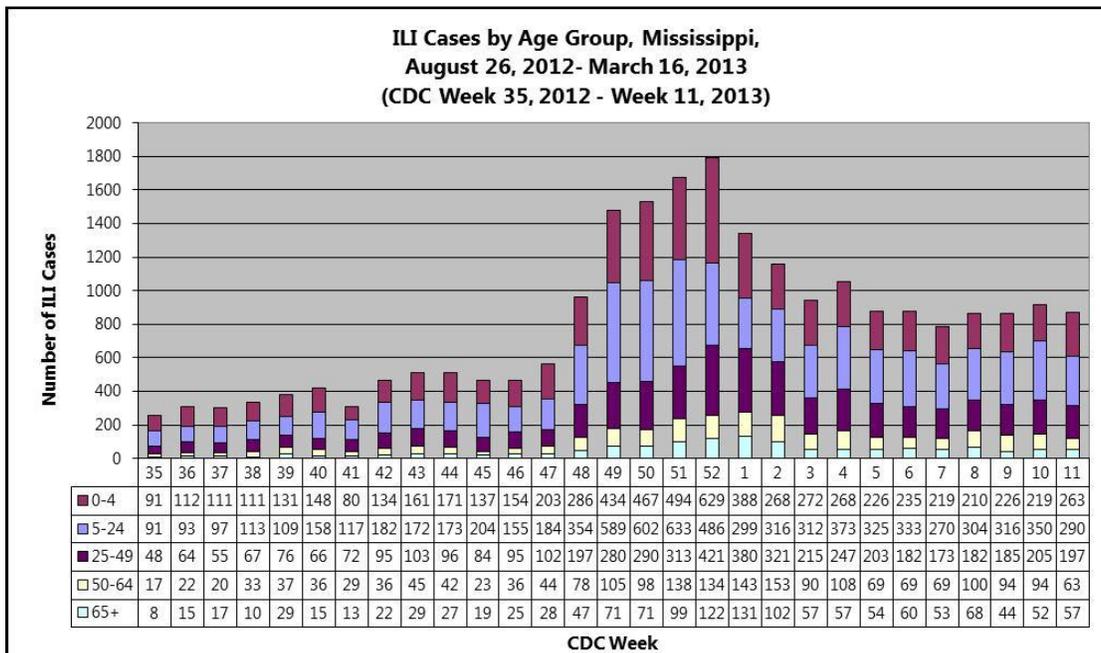
| [Figure 1](#)

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

2012-2013 Influenza Season				
CDC Week	Week Ending	Non-trauma patients	ILI symptoms	ILI Rate (%)
<b>11</b>	<b>Mar. 16</b>	<b>13419</b>	<b>860</b>	<b>6.4%</b>
10	Mar. 9	15021	919	6.1%
09	Mar. 2	14649	865	5.9%

During week **11**, **five** districts (3, 4, 5, 7, and 9) had an increase in ILI activity, while **two** districts (1 and 6) had a decrease. **Two** districts (2 and 8) remained about the same. *Information is provisional only and may change depending on additional reporting from sentinel providers.* | **Table 2**

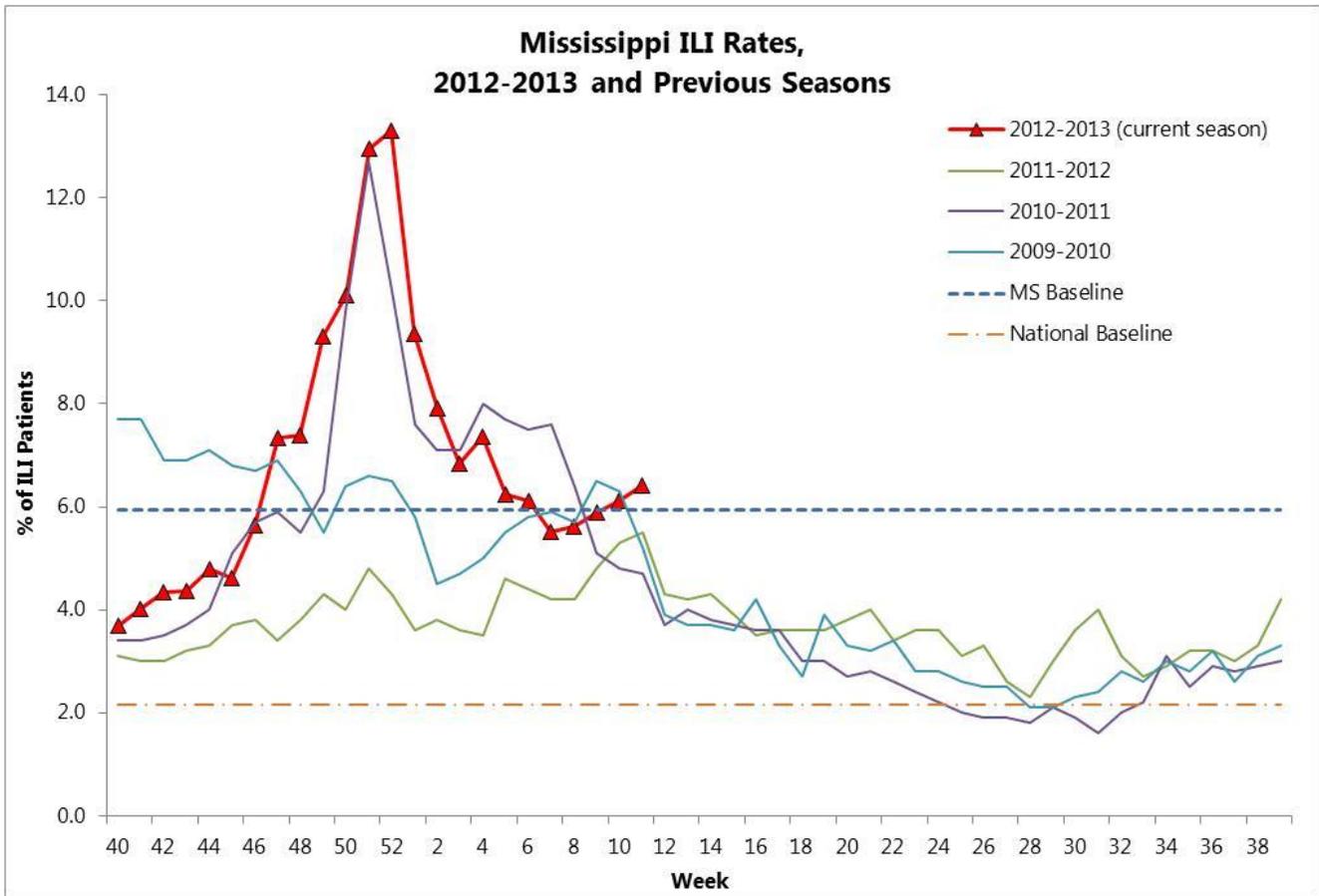
MSDH District ILI Rates (%) 2012-2013		
District	Week 10	Week 11
State	6.1	6.4
1	5.4	4.7
2	10.3	10.7
3	7.4	8.2
4	7.4	10.1
5	2.9	3.7
6	19.9	13.4
7	5.0	6.3
8	3.3	3.2
9	5.0	5.9



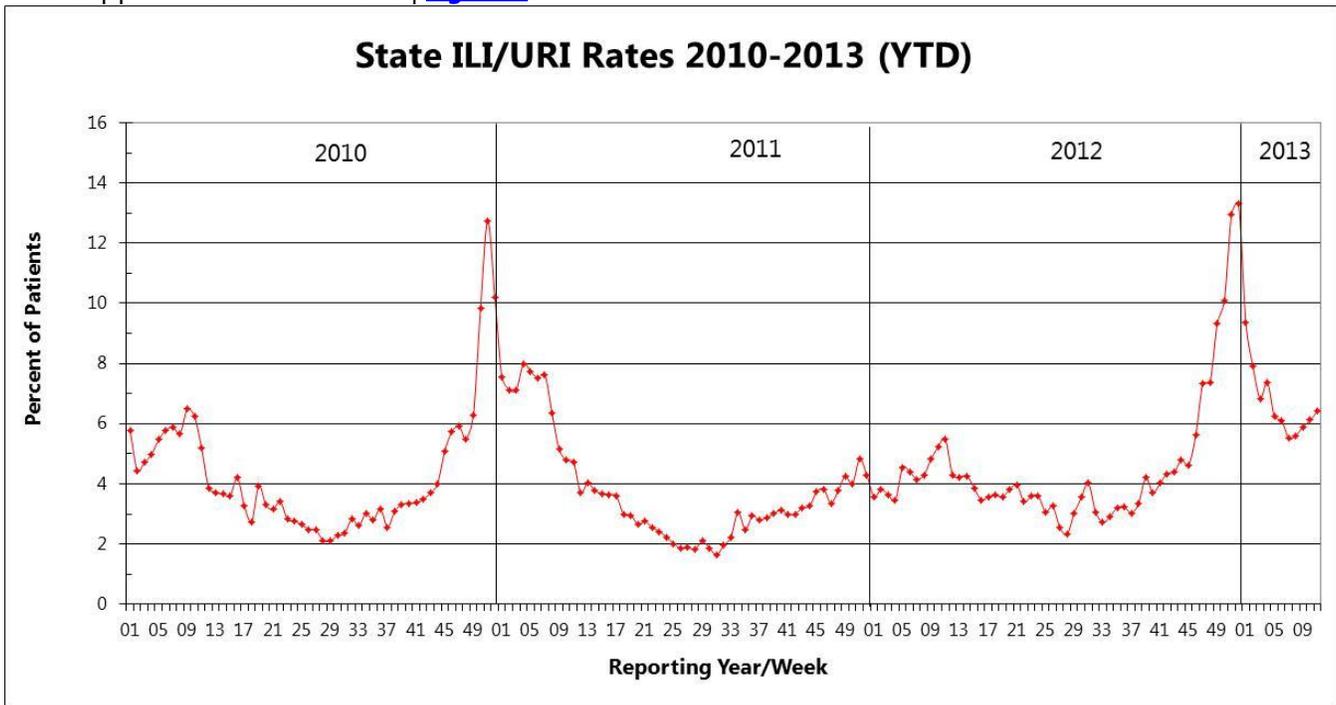
Since week 35, the number of reported ILI cases has been highest among people in the **5 to 24 years** of age group, followed by those in the 0

to 4 years of age group. During Week **11**, the number of reported ILI cases was highest among individuals in the **5 to 24 years** of age group. | [Figure 2](#)

The 2012-13 state ILI rate was **above** the national and state baselines for week **11**. | [Figure 3](#)



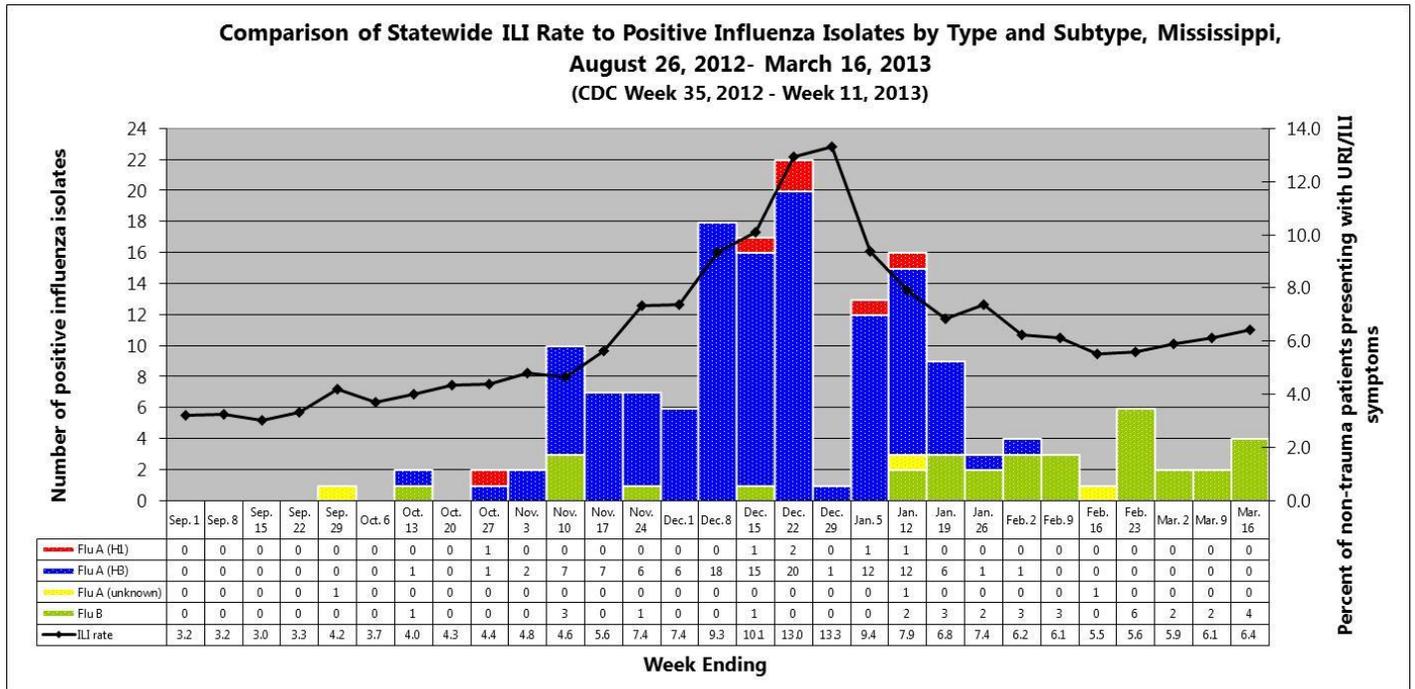
Mississippi ILI Rates 2010-2013 | [Figure 4](#)



**Flu Testing Reports**

From week **35** (week ending September 1<sup>st</sup>) through week **11** (week ending March 16<sup>th</sup>), **158** positive influenza samples were identified by MSDH. 125 were influenza A and 33 were influenza B. 116 were subtyped as influenza A (H3) and six were subtyped as influenza A (H1). Three samples did not have subtyping performed. | [Figure 5](#)

The influenza cases were identified from the following counties: Amite (2), Attala, Benton, Calhoun, Carroll, Chickasaw (4), Clarke (2), Clay, Copiah (2), Covington (4), DeSoto (4), Grenada, Harrison (9), Hinds (12), Itawamba (2), Jefferson Davis (5), Kemper (2), Lamar (5), Lauderdale, Lawrence, Lee (6), Leflore (3), Madison, Marion (4), Marshall (28), Monroe (6), Neshoba (2), Oktibbeha (6), Pearl River, Pontotoc (3), Rankin (5), Sharkey, Tate (7), Tippah (3), Tishomingo (5), Union (3), Walthall (2), Warren, Washington (7), and Yazoo (3).

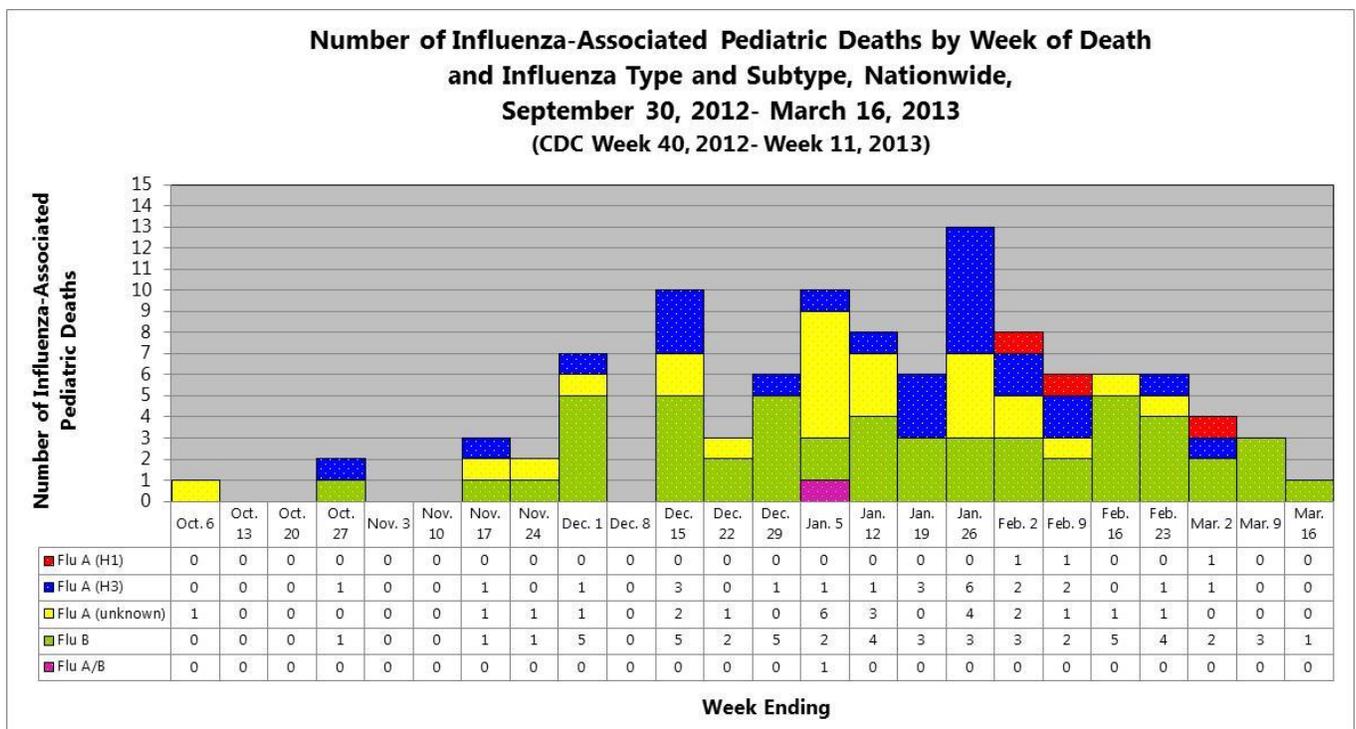


### National Pediatric Mortality Surveillance

**Nationally**, there were **6** influenza-associated pediatric deaths reported to CDC during week **11**. One death was associated with an influenza A (2009 H1N1) virus and occurred during week 09 (week ending March 2<sup>nd</sup>). Five deaths were associated with an influenza B virus and occurred during weeks 48 (week ending December 1<sup>st</sup>), 52 (week ending December 29<sup>th</sup>), 06 (week ending February 9<sup>th</sup>), 10 (week ending March 9<sup>th</sup>), and 11 (week ending March 16<sup>th</sup>). | [Figure 6](#)

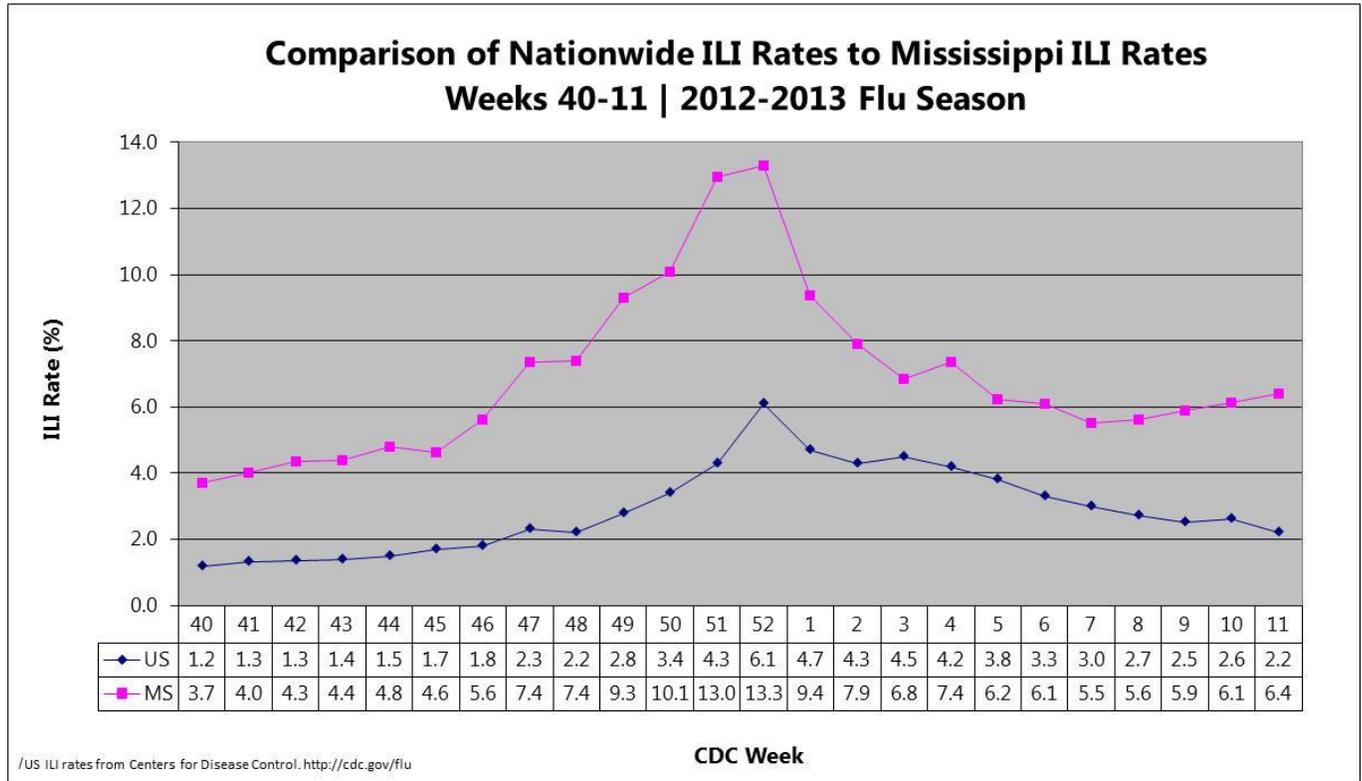
The total number of influenza-associated pediatric deaths reported during the 2012-2013 season is **105**. Additional data can be found at: <http://gis.cdc.gov/GRASP/Fluview/PedFluDeath.html>.

Mississippi has had **one** influenza-associated pediatric death reported during this influenza season.



**National ILI Surveillance**

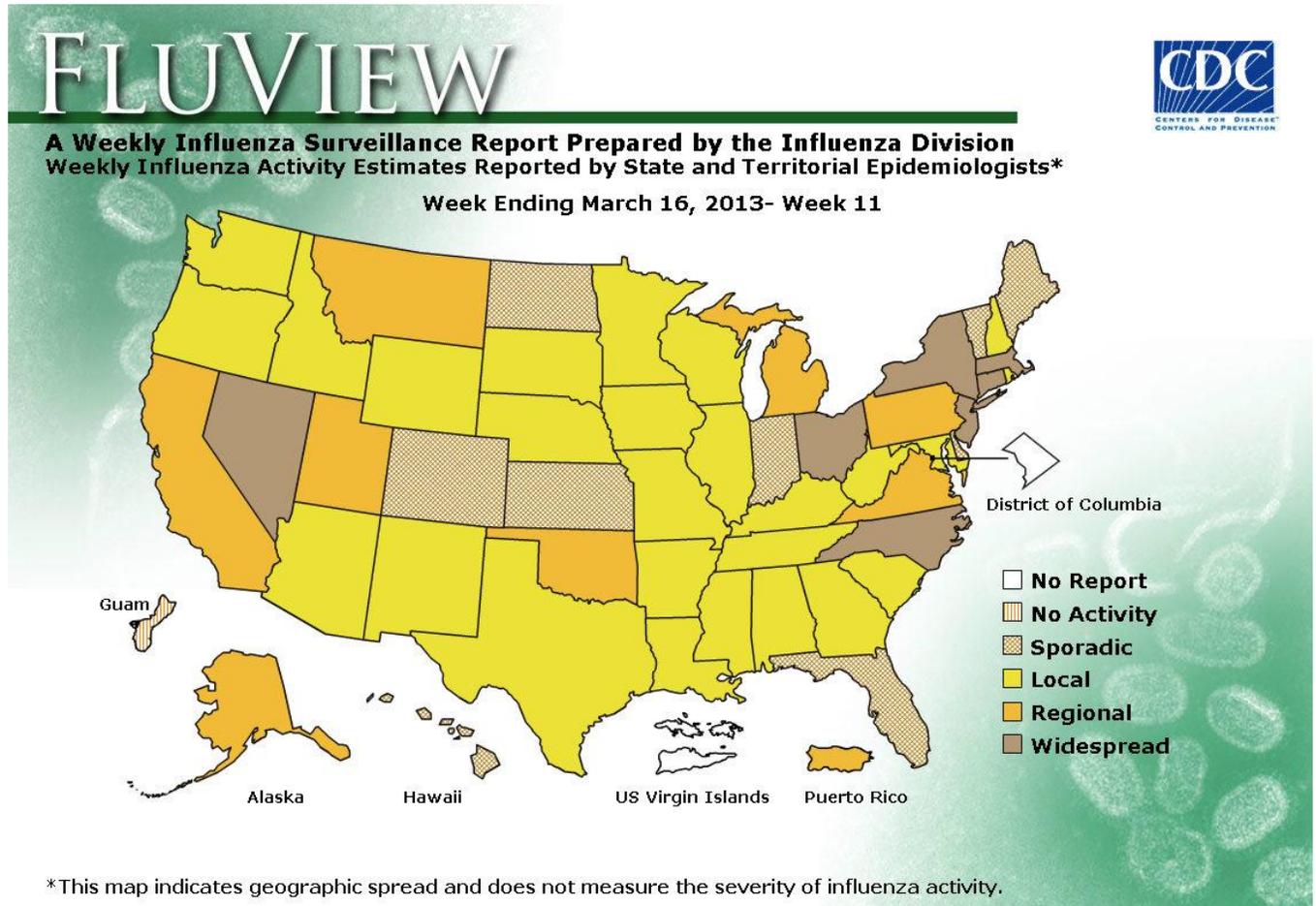
For week **11**, the MS ILI rate continued to remain **above** the national rate. | [Figure 7](#)



Mississippi reported “**Local**” flu activity for week **11**. | [Table 4](#)

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 **11**, influenza activity remained elevated in the United States, but decreased in most areas.<sup>1</sup> | [Figure 8](#)



<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>.

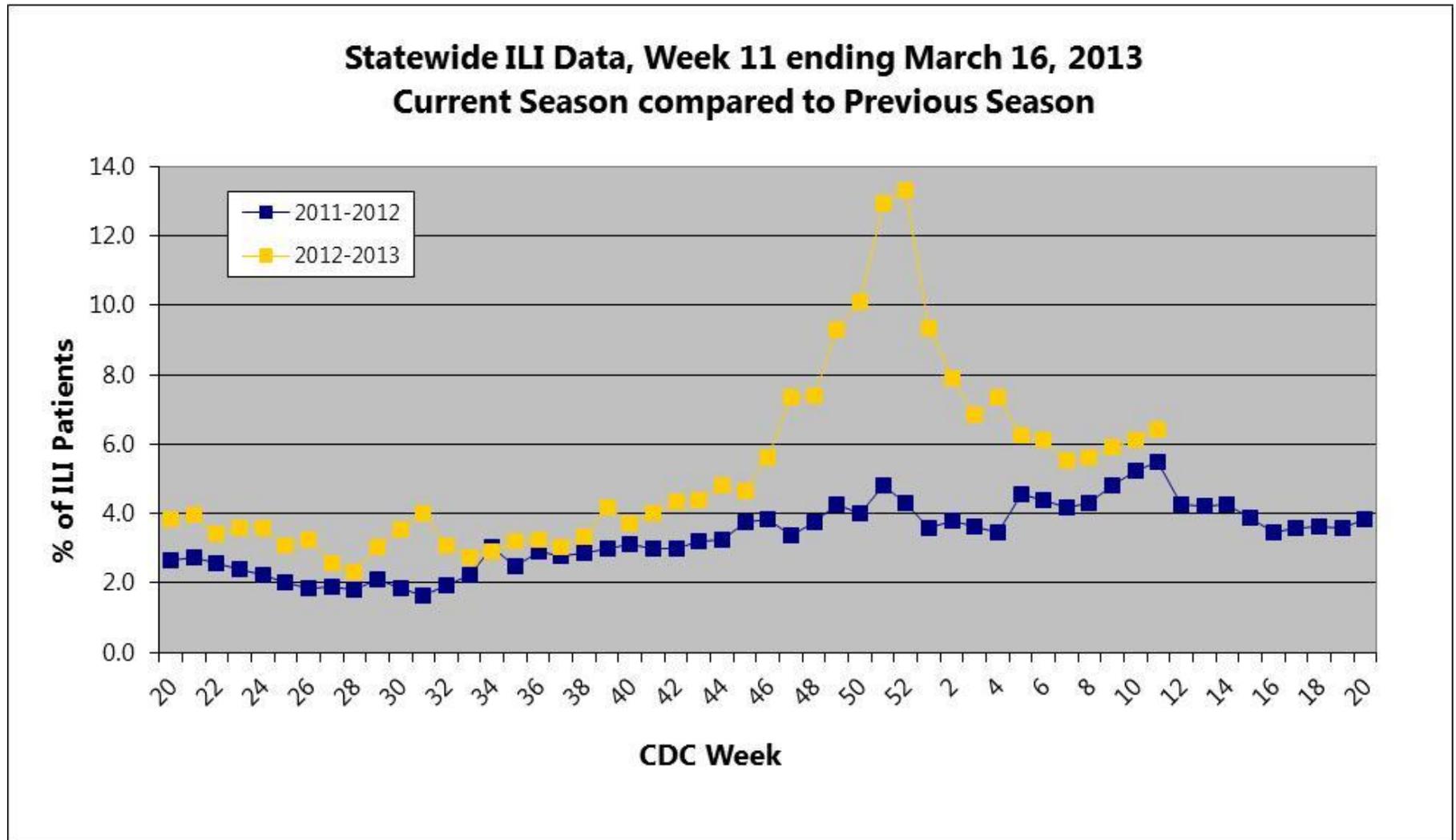
**Additional information:**

Centers for Disease Control and Prevention	<a href="http://cdc.gov/flu/">http://cdc.gov/flu/</a>
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**

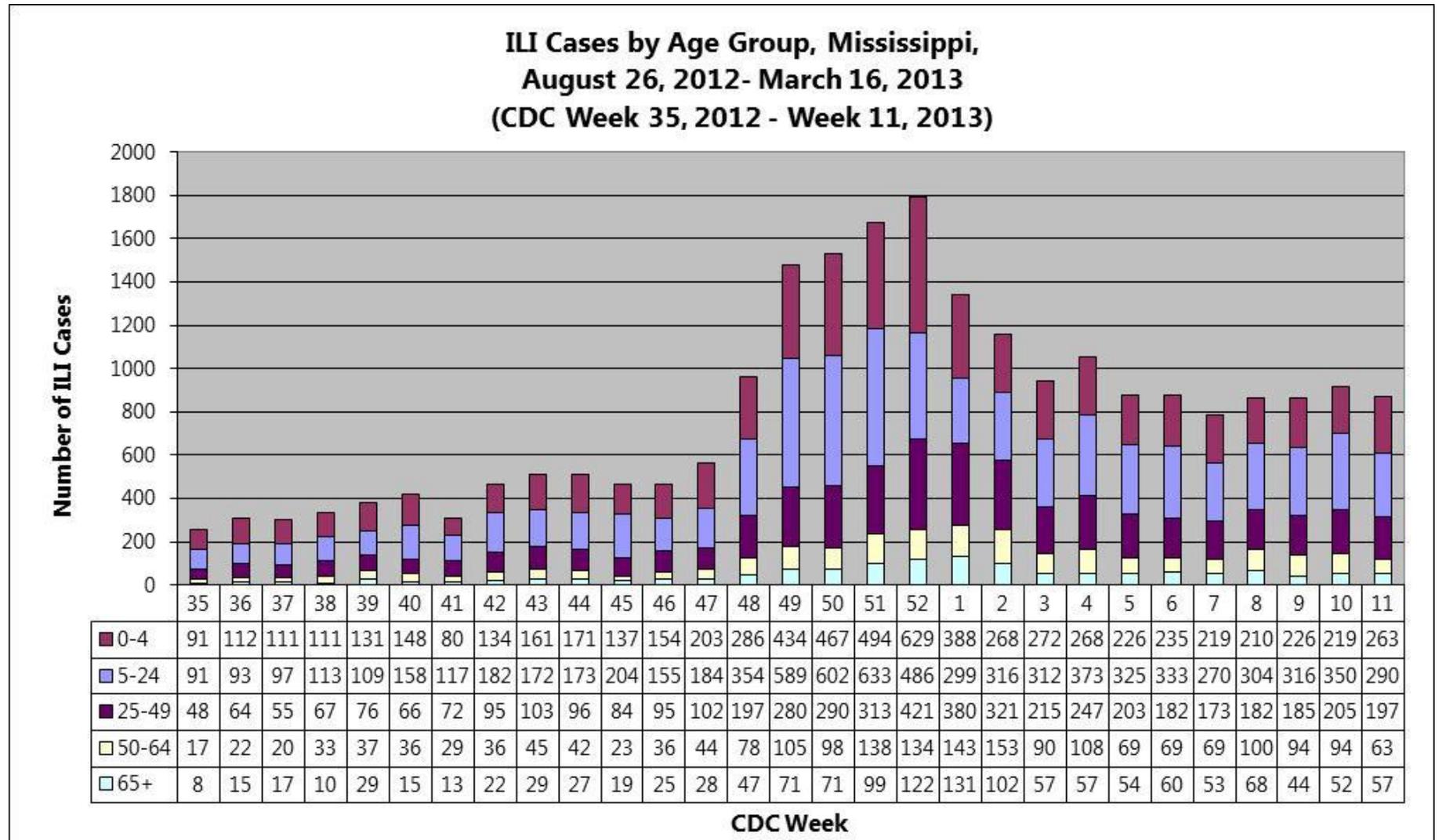
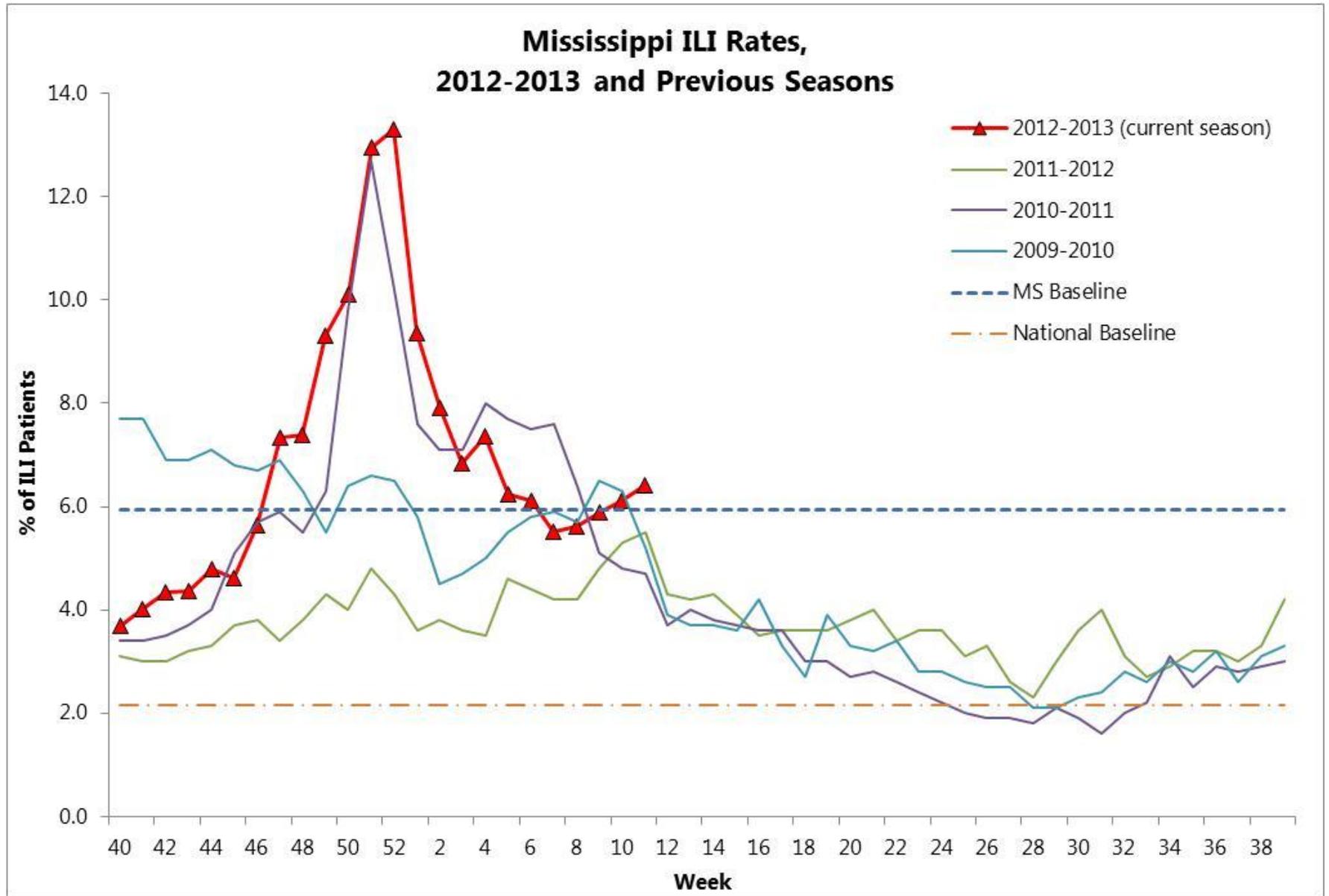


Figure 3



**Figure 4**

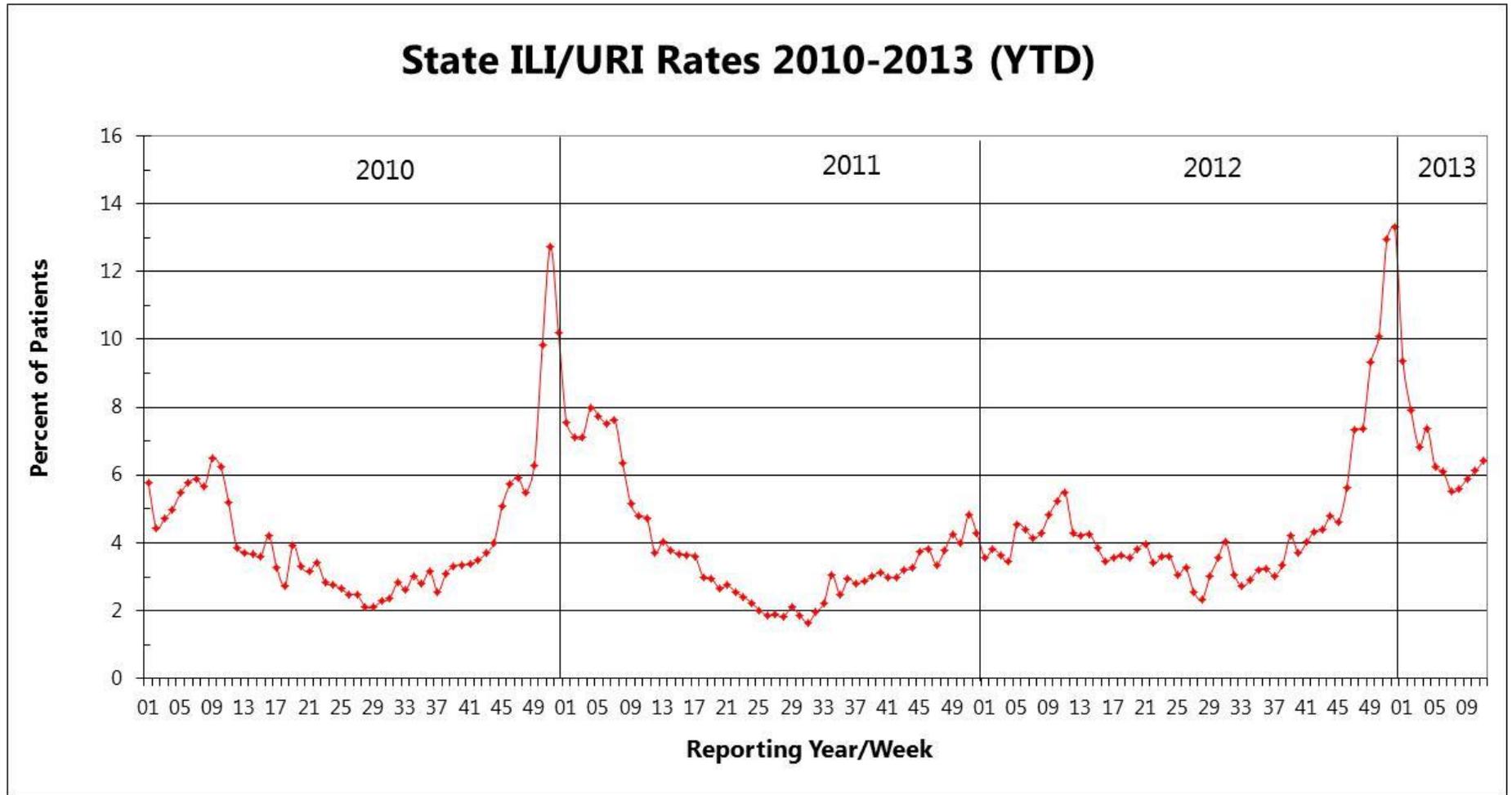
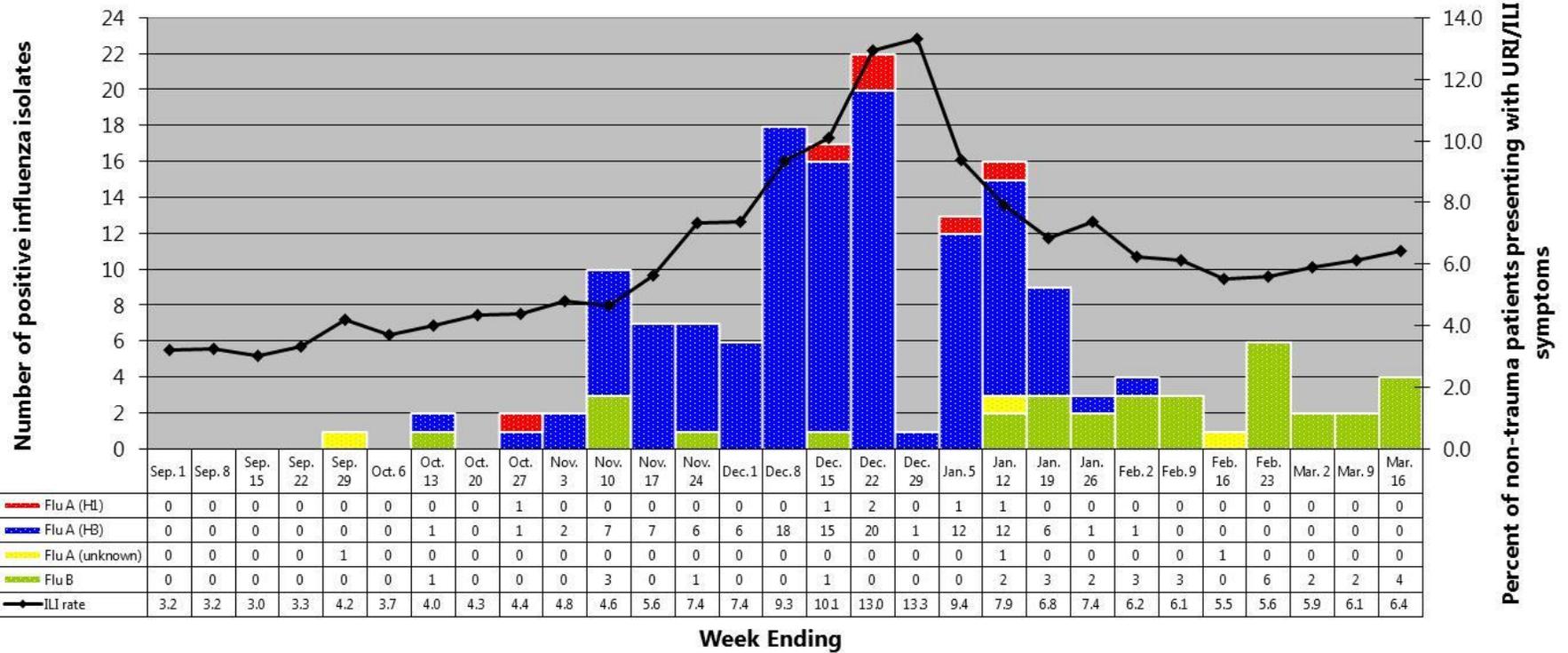


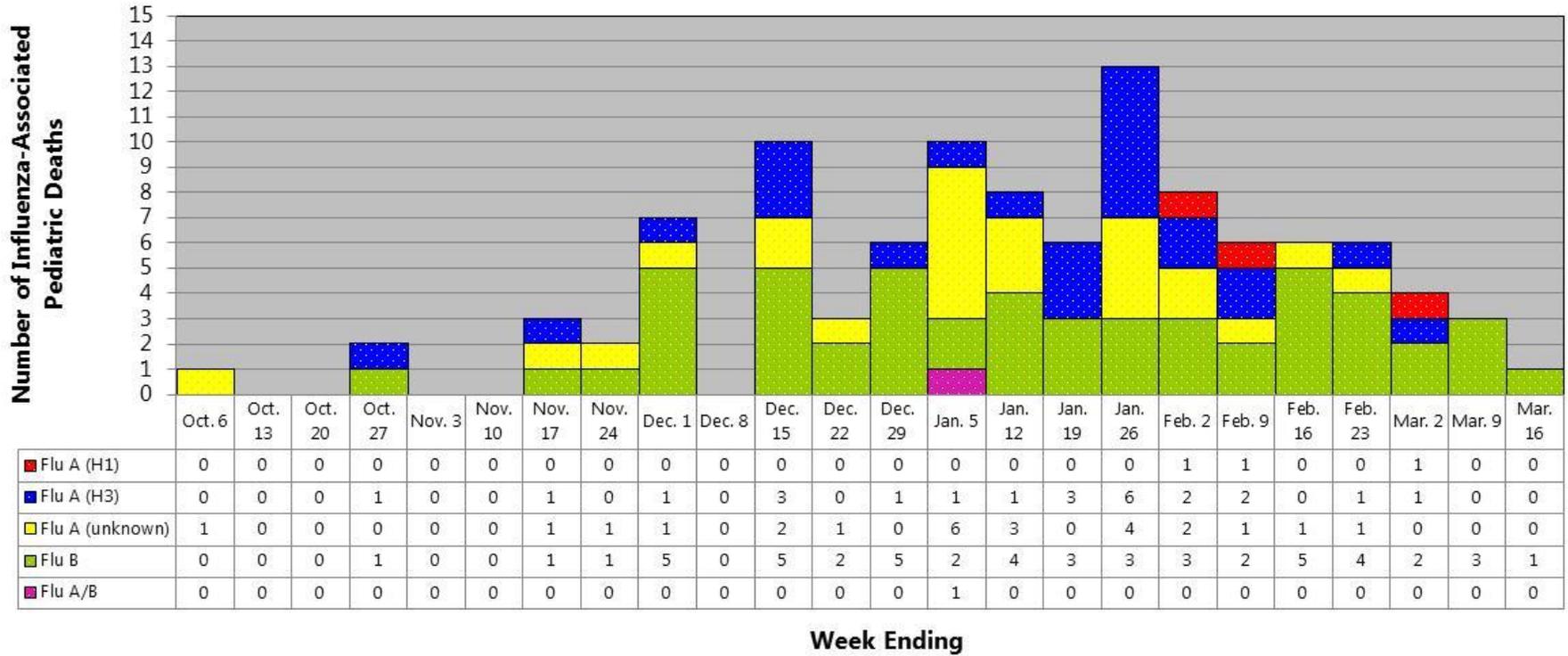
Figure 5

**Comparison of Statewide ILI Rate to Positive Influenza Isolates by Type and Subtype, Mississippi, August 26, 2012- March 16, 2013 (CDC Week 35, 2012 - Week 11, 2013)**



**Figure 6**

**Number of Influenza-Associated Pediatric Deaths by Week of Death  
and Influenza Type and Subtype, Nationwide,  
September 30, 2012- March 16, 2013  
(CDC Week 40, 2012- Week 11, 2013)**



**Figure 7**

### Comparison of Nationwide ILI Rates to Mississippi ILI Rates Weeks 40-11 | 2012-2013 Flu Season

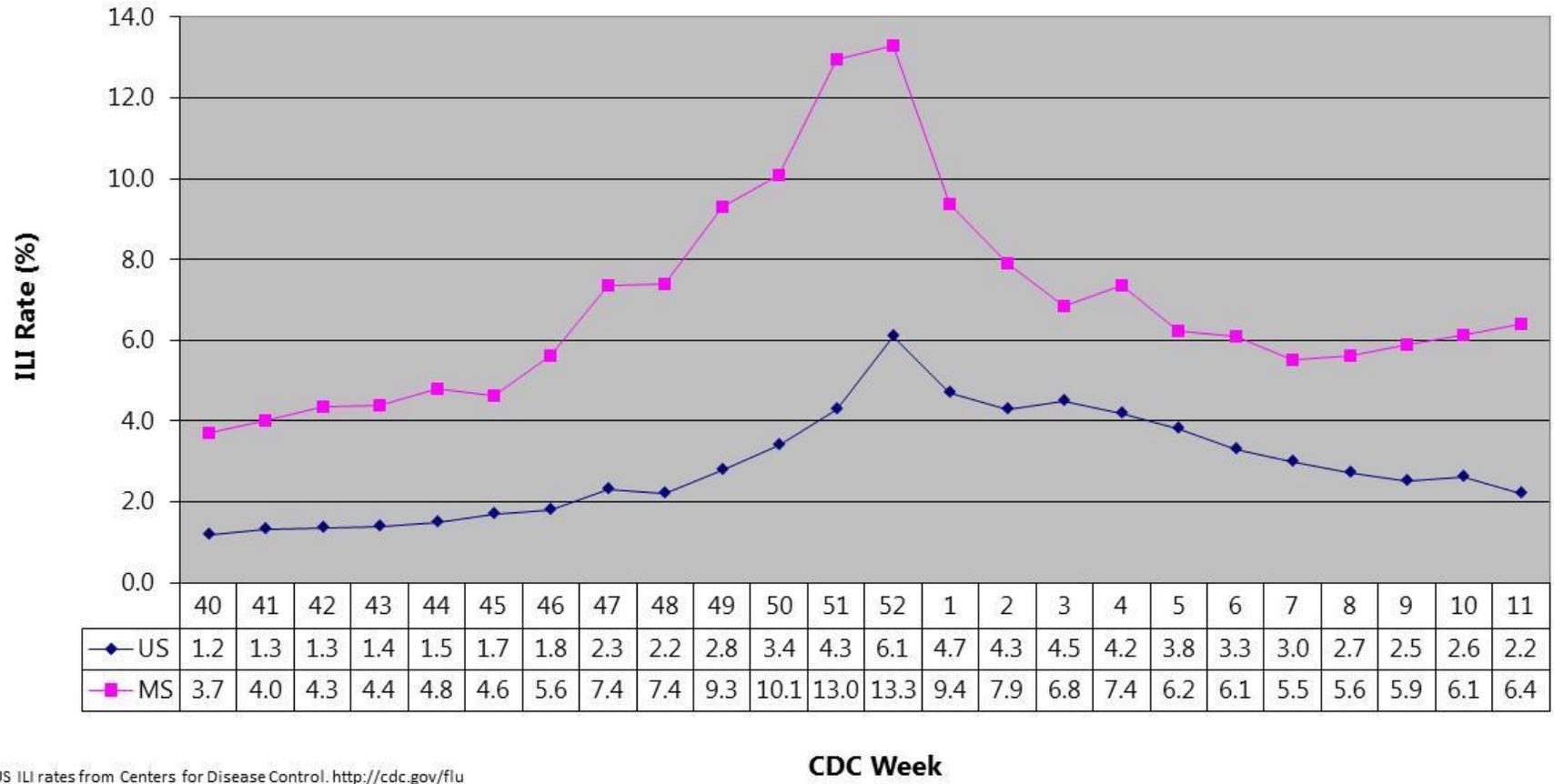


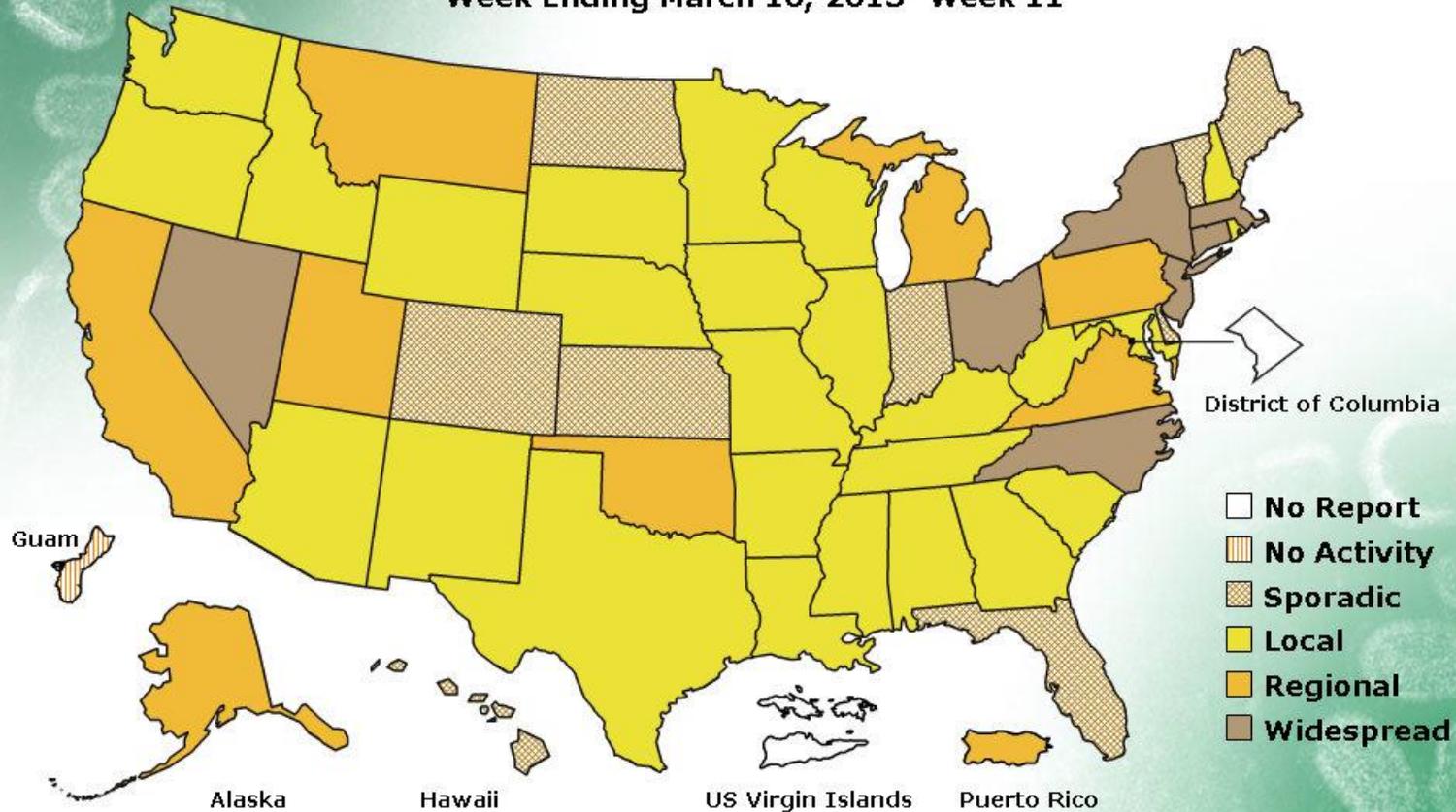
Figure 8



# FLUVIEW

**A Weekly Influenza Surveillance Report Prepared by the Influenza Division**  
**Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\***

**Week Ending March 16, 2013- Week 11**



\*This map indicates geographic spread and does not measure the severity of influenza activity.