

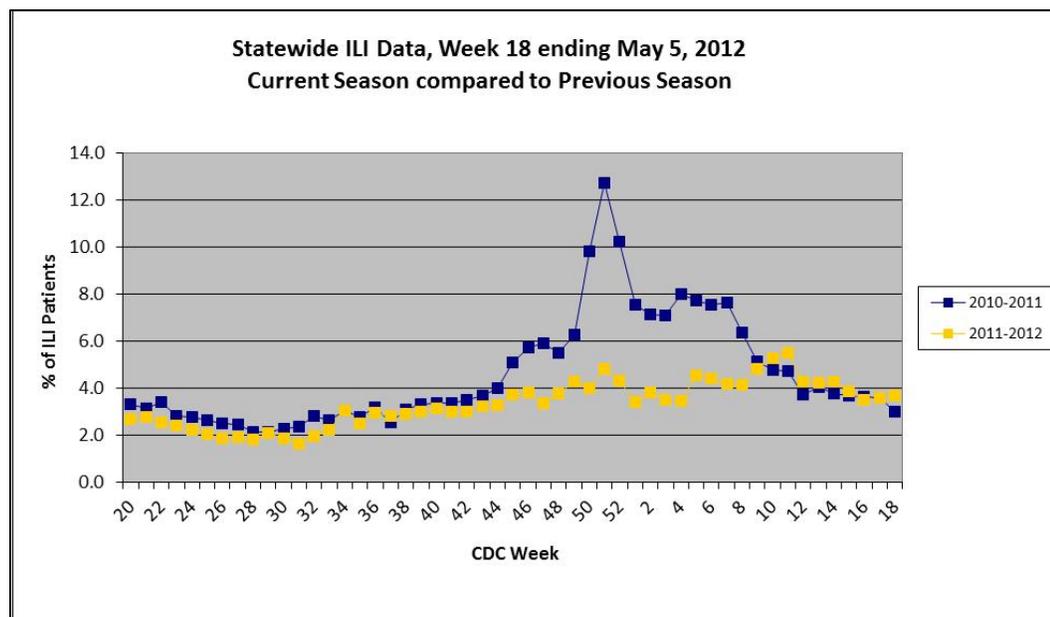


# 2011-2012 Influenza Report Week 18 *April 29 – May 5, 2012*

## 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 > 100°F 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 **18** (04/29/2012-05/05/2012), the overall state ILI rate (**3.7%**) was **comparable** to last week (**3.6%**), but was slightly increased compared to this time last year (**3.0%**). For the past seven weeks,

the state ILI has remained stable. | **Figure 1**

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

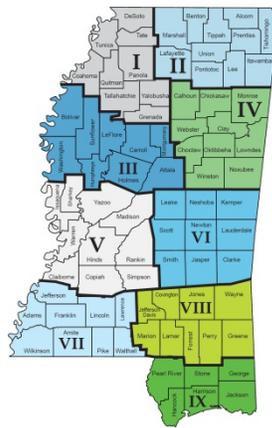
2011-2012 Influenza Season				
CDC Week	Week Ending	Non-trauma patients	ILI symptoms	ILI Rate (%)
<b>18</b>	<b>May 5</b>	<b>11560</b>	<b>426</b>	<b>3.7%</b>
17	Apr. 28	12961	463	3.6%
16	Apr. 21	12966	451	3.5%

During week **18**, **two** districts (6 and 9) had an increase in ILI activity, while **one** district (8) had a decrease. **Six** districts (1, 2, 3, 4, 5, and 7) remained about the same.

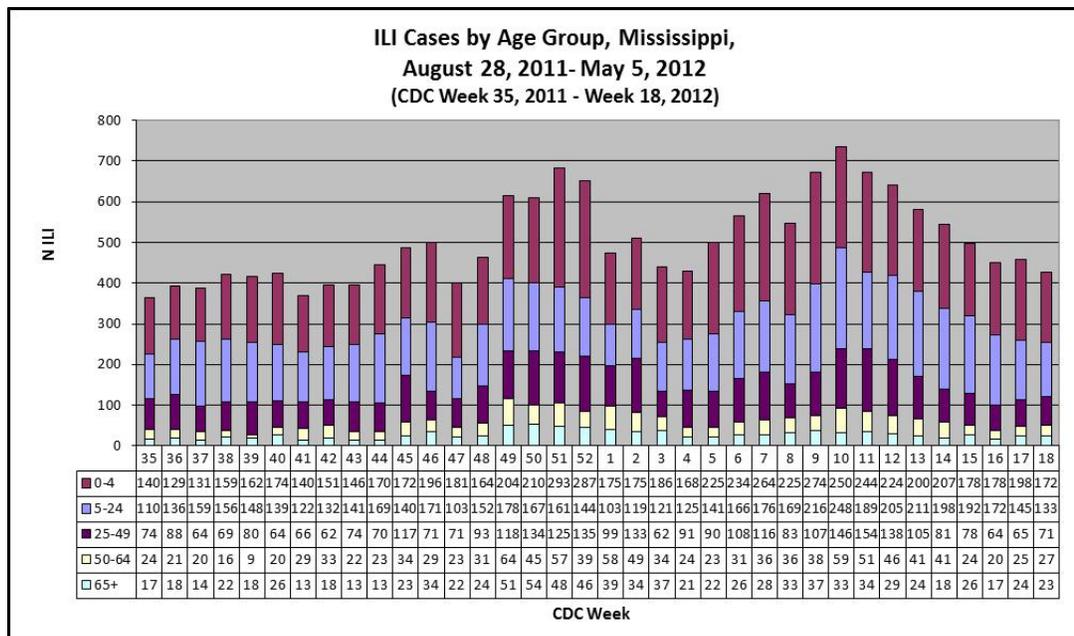
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**Table 2**

MS Public Health Districts | **Map**



MSDH District ILI Rates (%) 2011-2012		
District	Week 17	Week 18
State	3.6	3.7
I	2.0	1.6
II	5.1	5.4
III	3.4	3.9
IV	5.3	5.3
V	1.0	1.2
VI	6.1	7.3
VII	2.7	2.6
VIII	6.0	5.1
IX	3.0	4.0



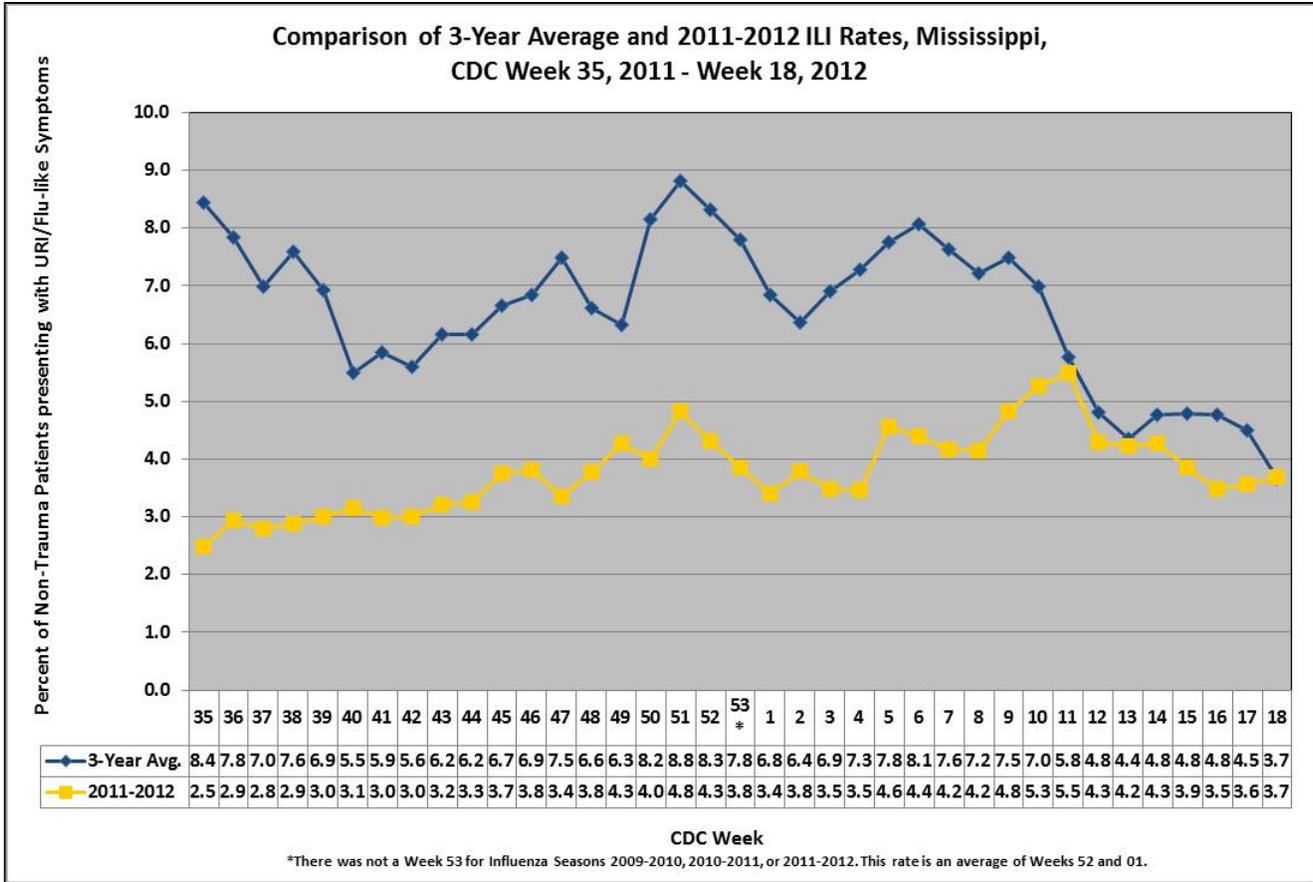
The number of reported ILI cases has been highest among people in the 0 to 4 years of age group, followed by those in the 5 to 24 years of age group.

During Week

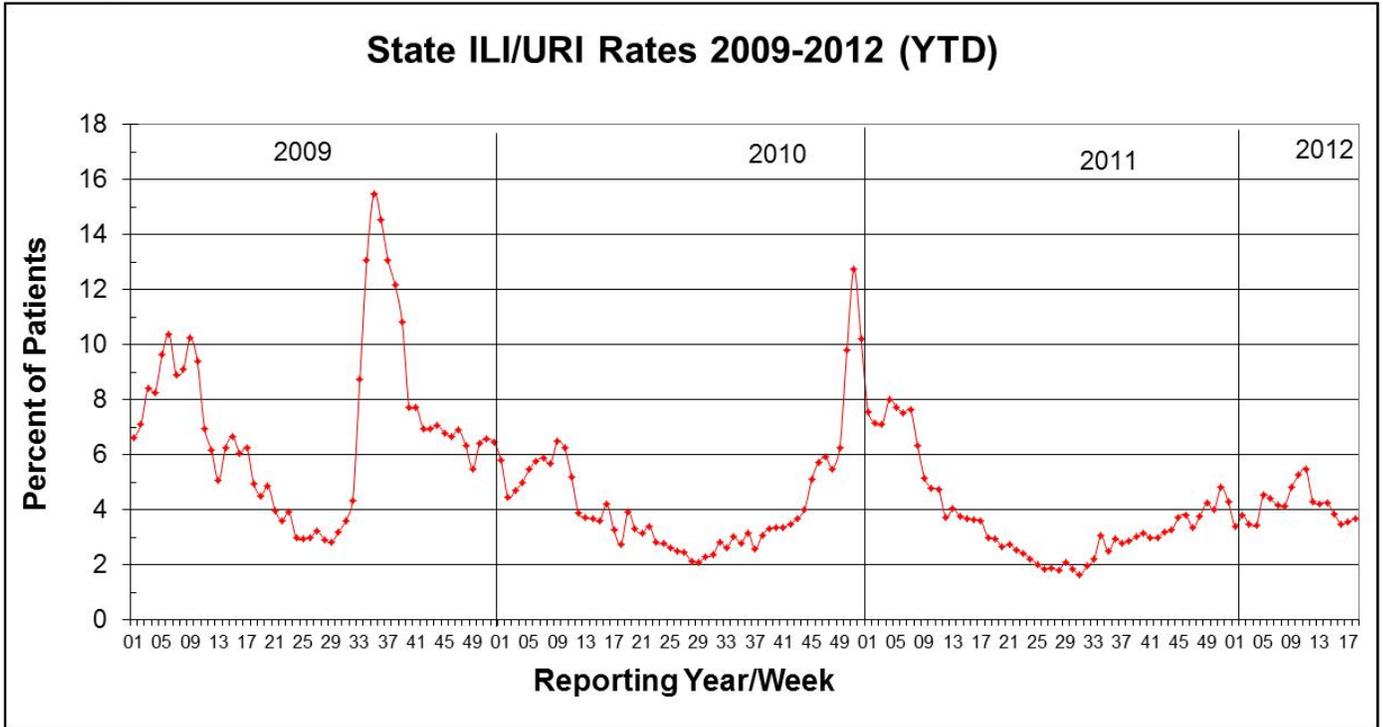
**18**, the number of reported ILI cases was highest among individuals in the **0-4 years** of age group. |

**Figure 2**

The 2011-12 state ILI rate was **comparable** to the baseline for week **18**. | **Figure 3**



Mississippi ILI Rates 2009-2012 | **Figure 4**

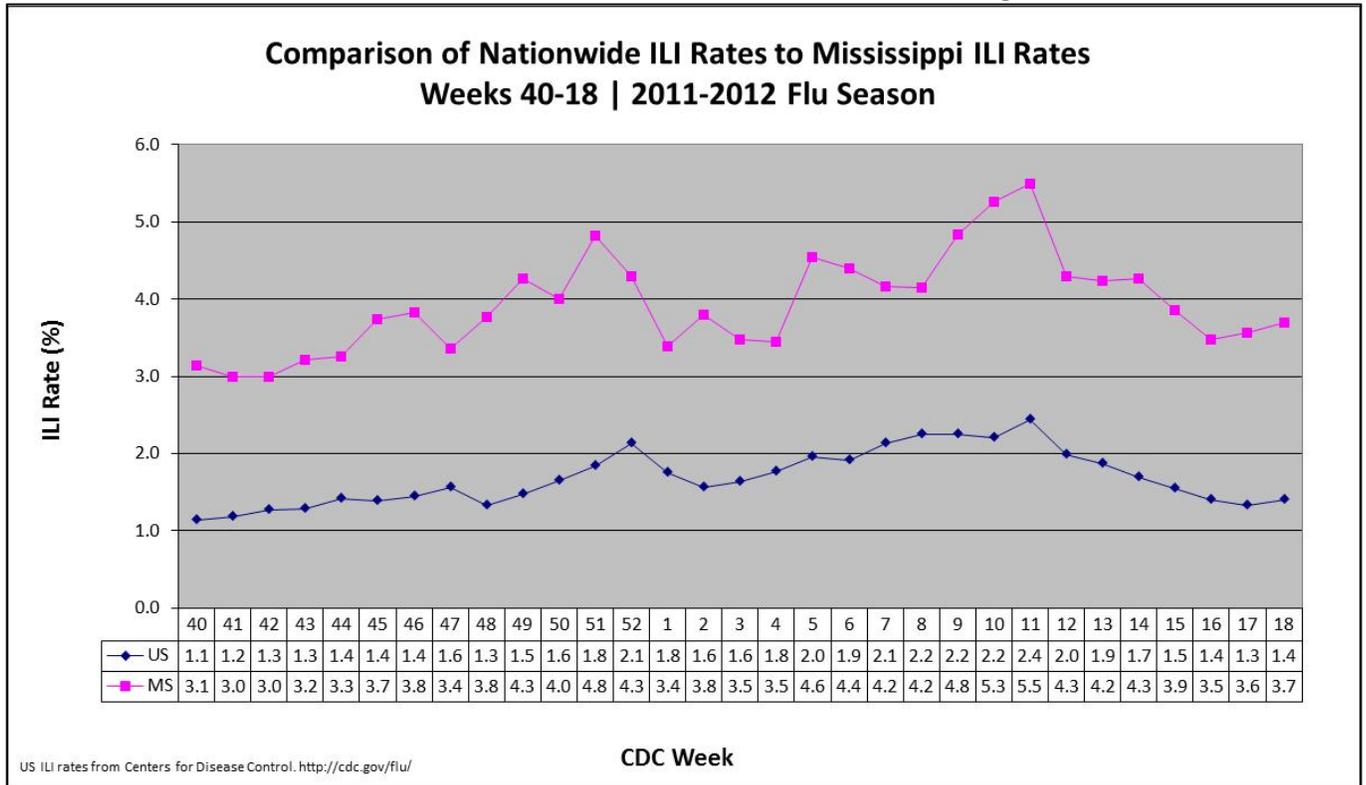




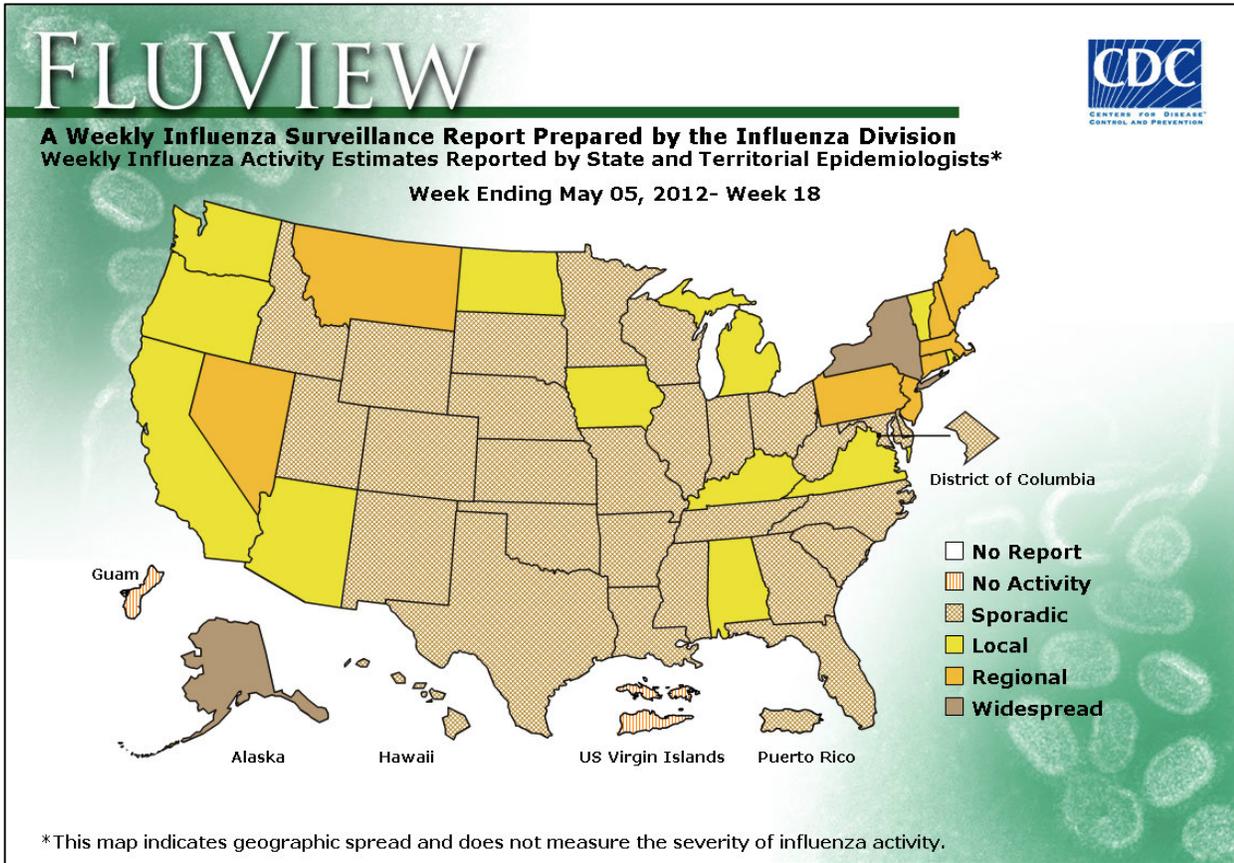
Mississippi reported “**Sporadic**” activity for week **18**. | **Table 4**

Level of Flu Activity	Definition
No Activity	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.
Local	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
Regional	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.
Widespread	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.

For week **18**, the MS ILI rate continued to remain **above** the national rate. | **Figure 6**



During week **18**, influenza activity declined nationally and in most regions, but remained elevated in some areas of the United States.<sup>1</sup> | **Figure 7**



<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/fluactivity.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/csr/disease/influenza/influenzanetwork/flunet/en/">http://www.who.int/csr/disease/influenza/influenzanetwork/flunet/en/</a>

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## Appendix

Figure 1

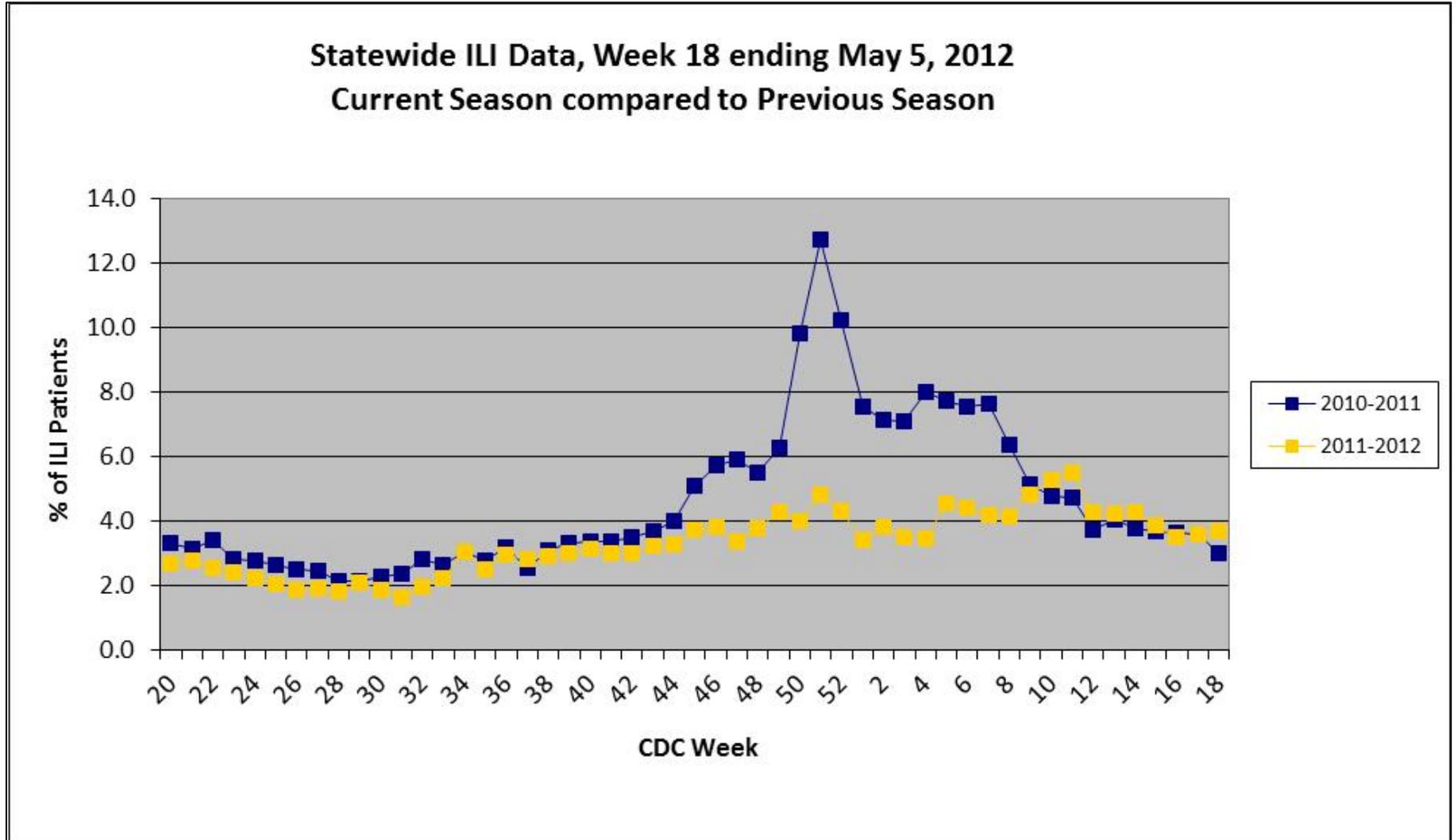


Figure 2

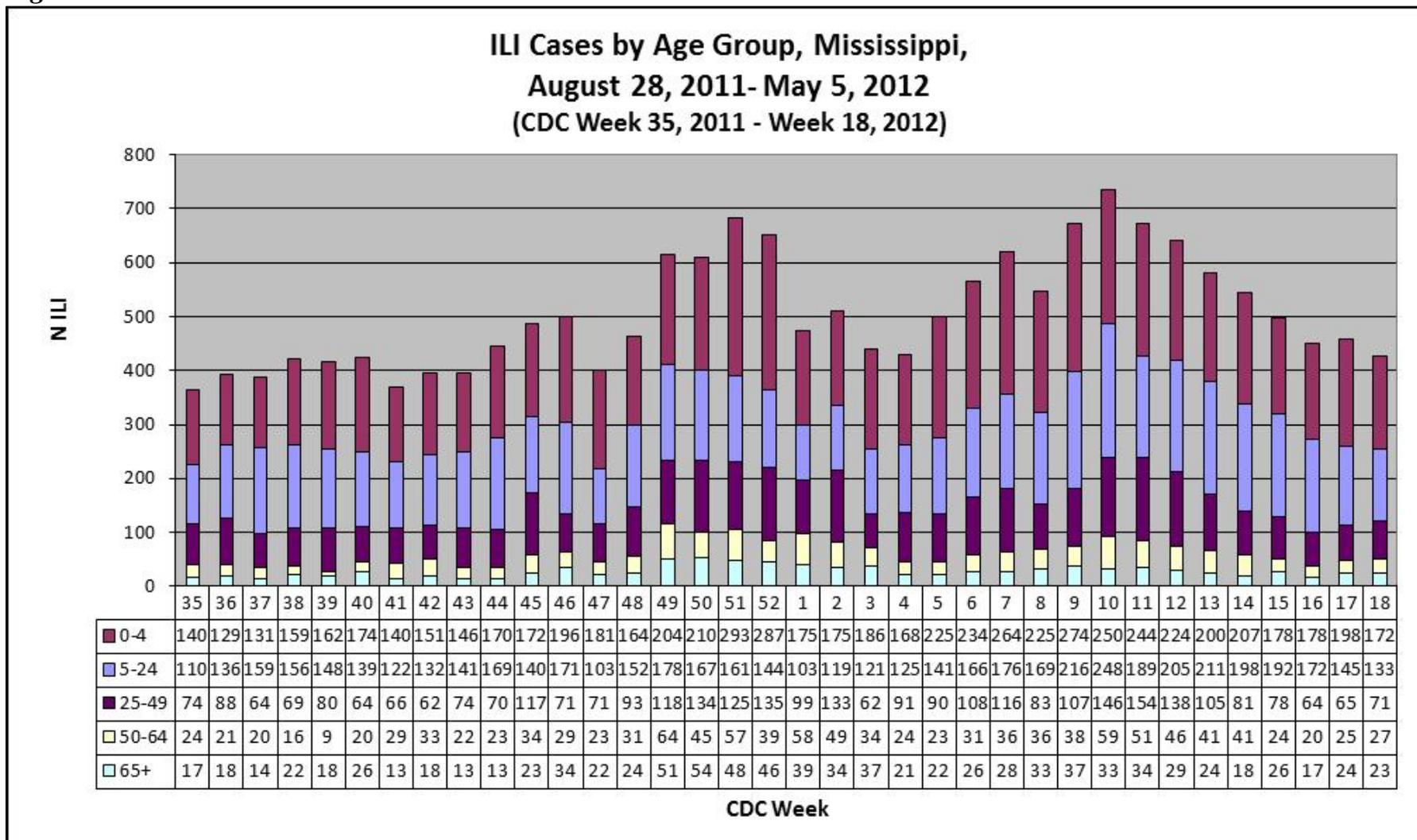


Figure 3

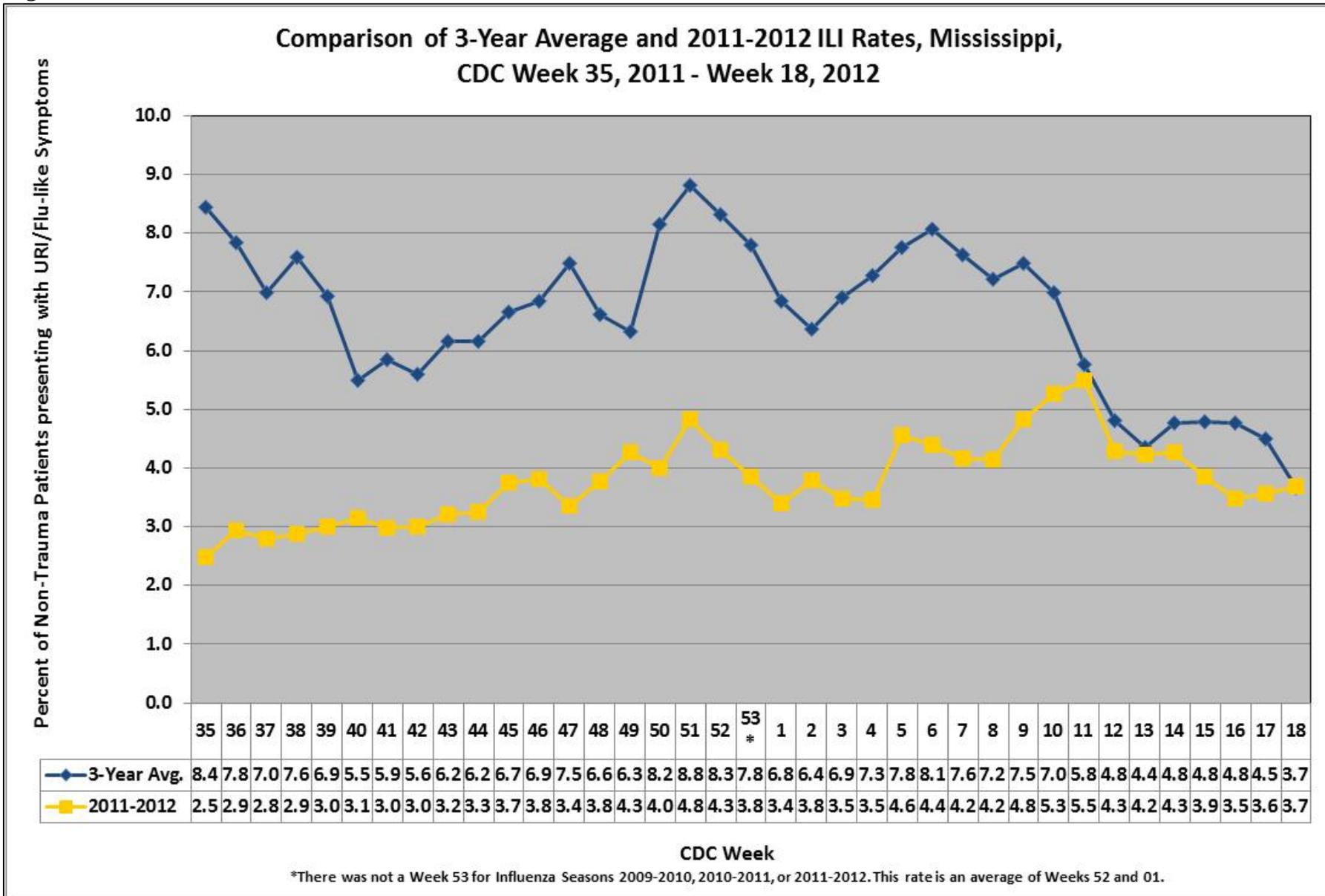


Figure 4

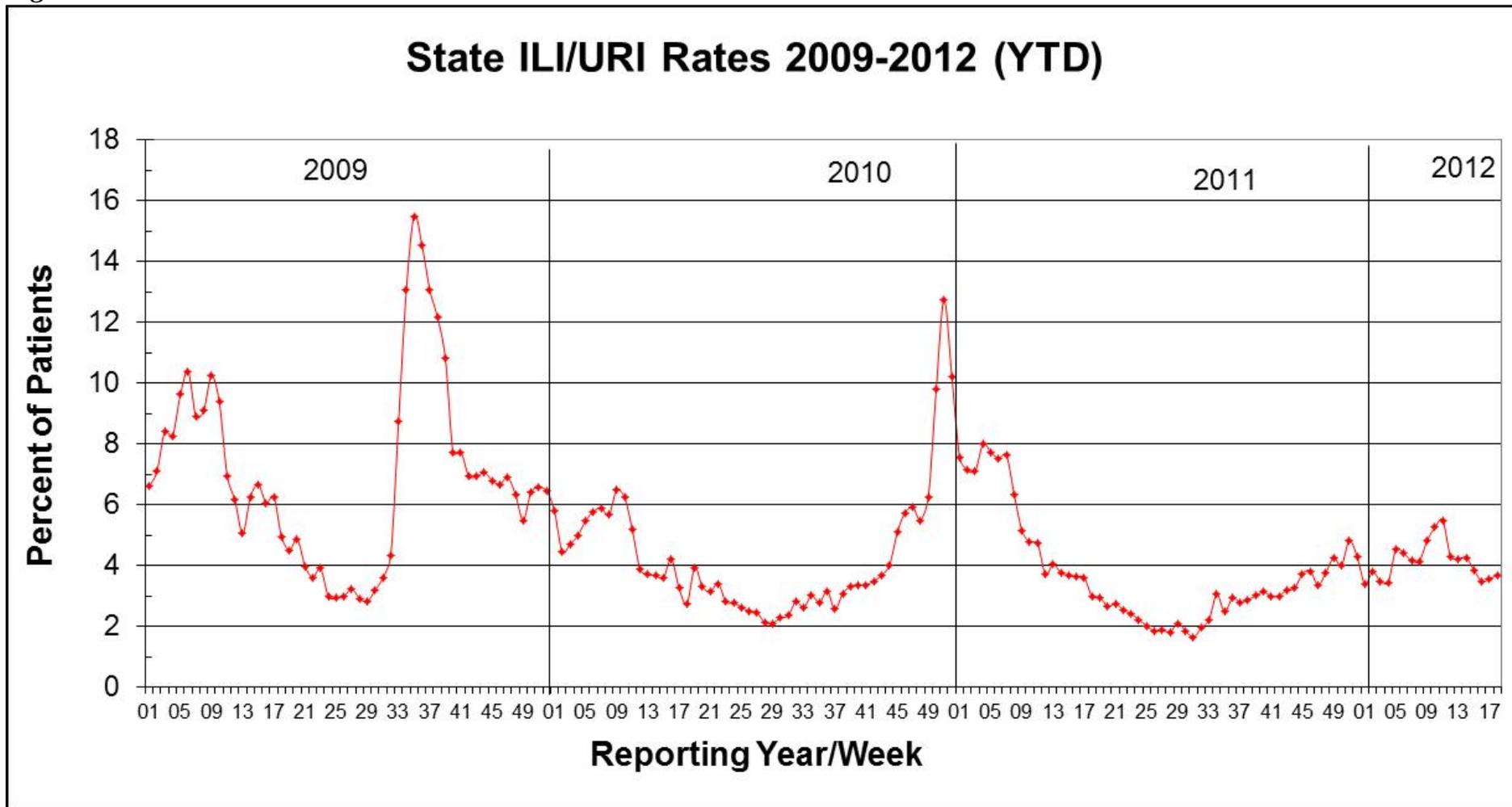
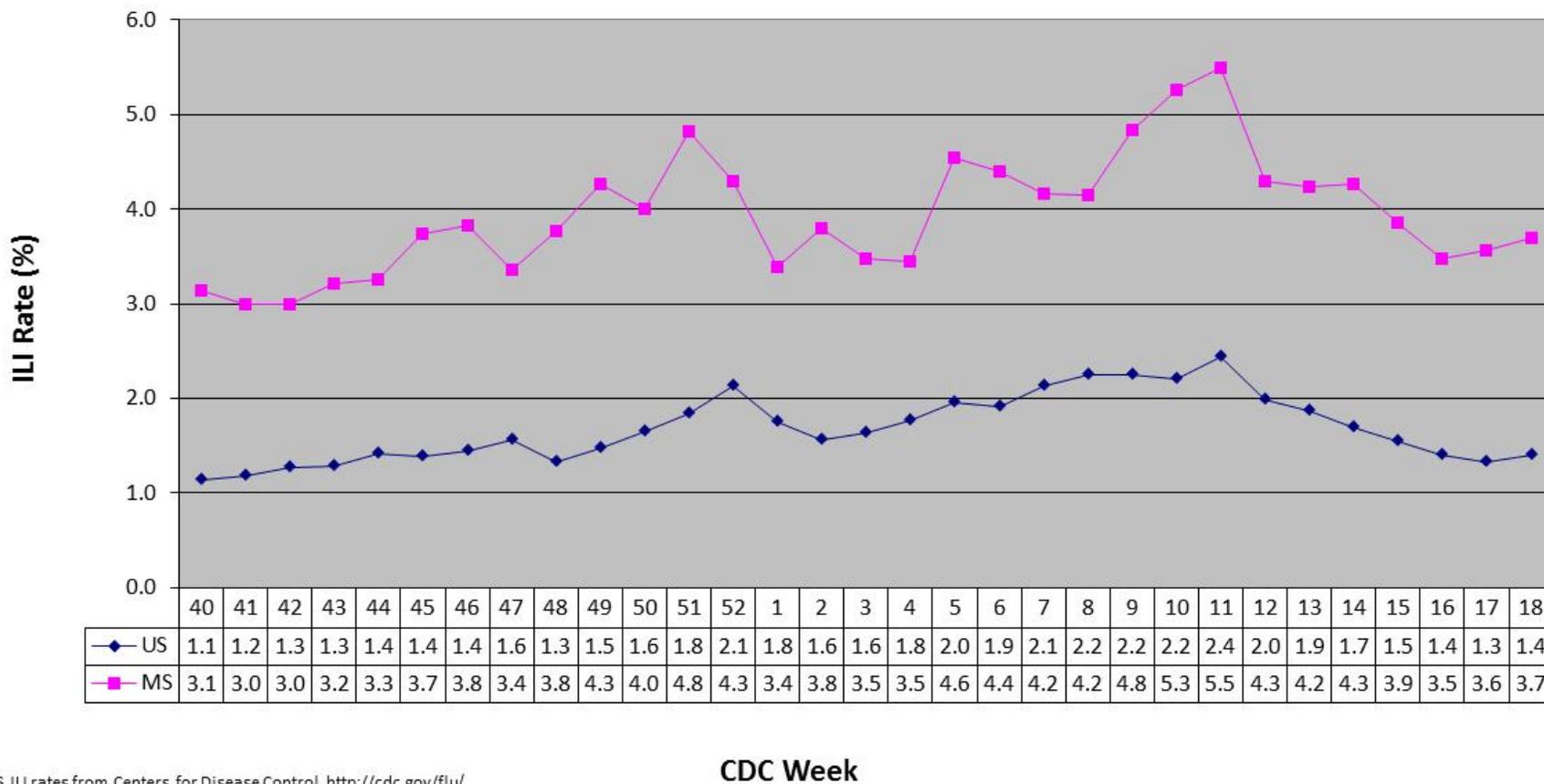




Figure 6

### Comparison of Nationwide ILI Rates to Mississippi ILI Rates Weeks 40-18 | 2011-2012 Flu Season



US ILI rates from Centers for Disease Control. <http://cdc.gov/flu/>

Figure 7

