

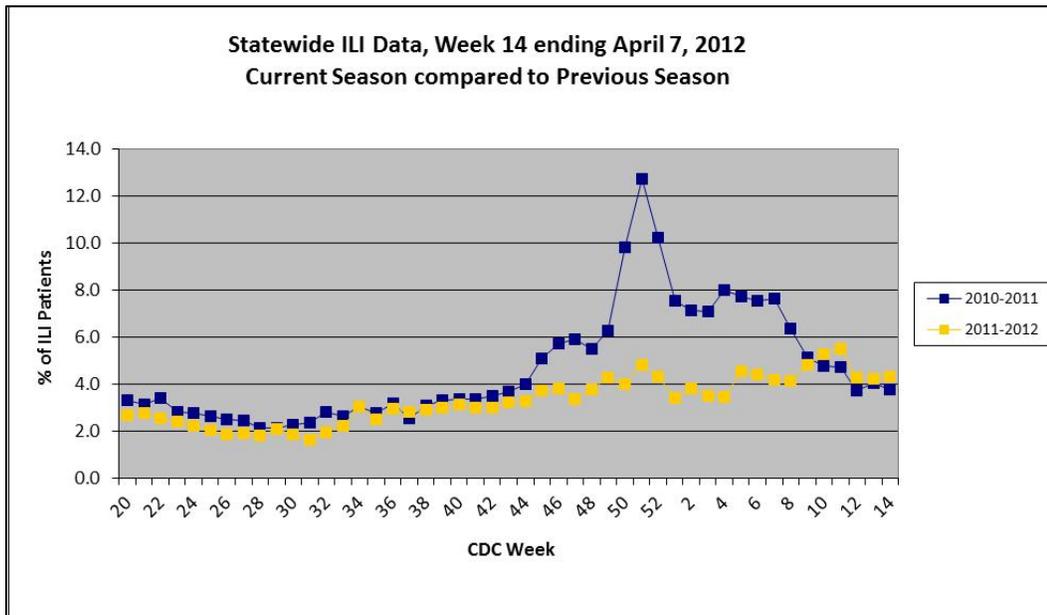


2011-2012 Influenza Report Week 14 *April 1 – April 7, 2012*

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



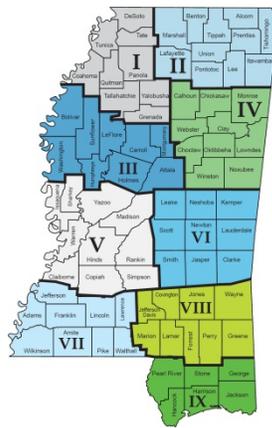
For week 14 (04/01/2012-04/07/2012), the overall state ILI rate (**4.3%**) was **comparable** to last week (**4.2%**) and to this time last year (**3.8%**). For the past three weeks, the state ILI has remained about the same. |

Figure 1

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

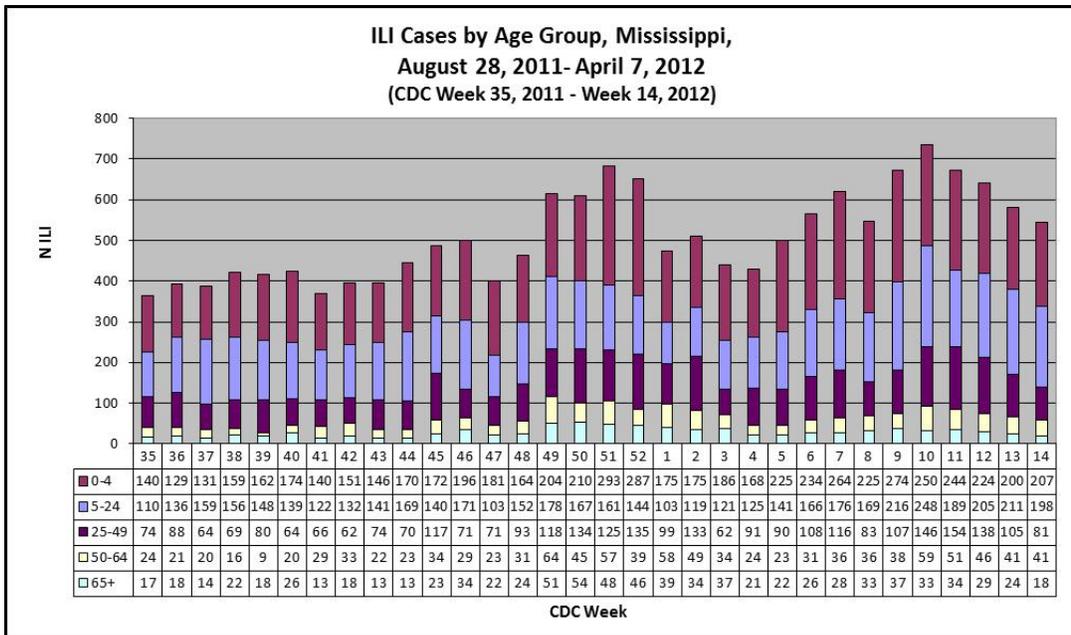
2011-2012 Influenza Season				
CDC Week	Week Ending	Non-trauma patients	ILI symptoms	ILI Rate (%)
14	Apr. 7	12689	545	4.3%
13	Mar. 31	13861	587	4.2%
12	Mar. 24	14800	635	4.3%

During week **14**, **two** districts (6 and 7) had an increase in ILI activity, while **three** districts (2, 3, and 8) had a decrease. **Four** districts (1, 4, 5, and 9) remained about the same. *Information is provisional only and may change depending on additional reporting from sentinel providers.* | **Table 2**



MS Public Health Districts | Map

MSDH District ILI Rates (%) 2011-2012		
District	Week 13	Week 14
State	4.2	4.3
I	2.9	2.9
II	2.2	1.0
III	7.0	4.7
IV	5.1	5.5
V	1.4	1.2
VI	5.8	9.8
VII	3.5	4.2
VIII	9.2	7.3
IX	3.4	3.6

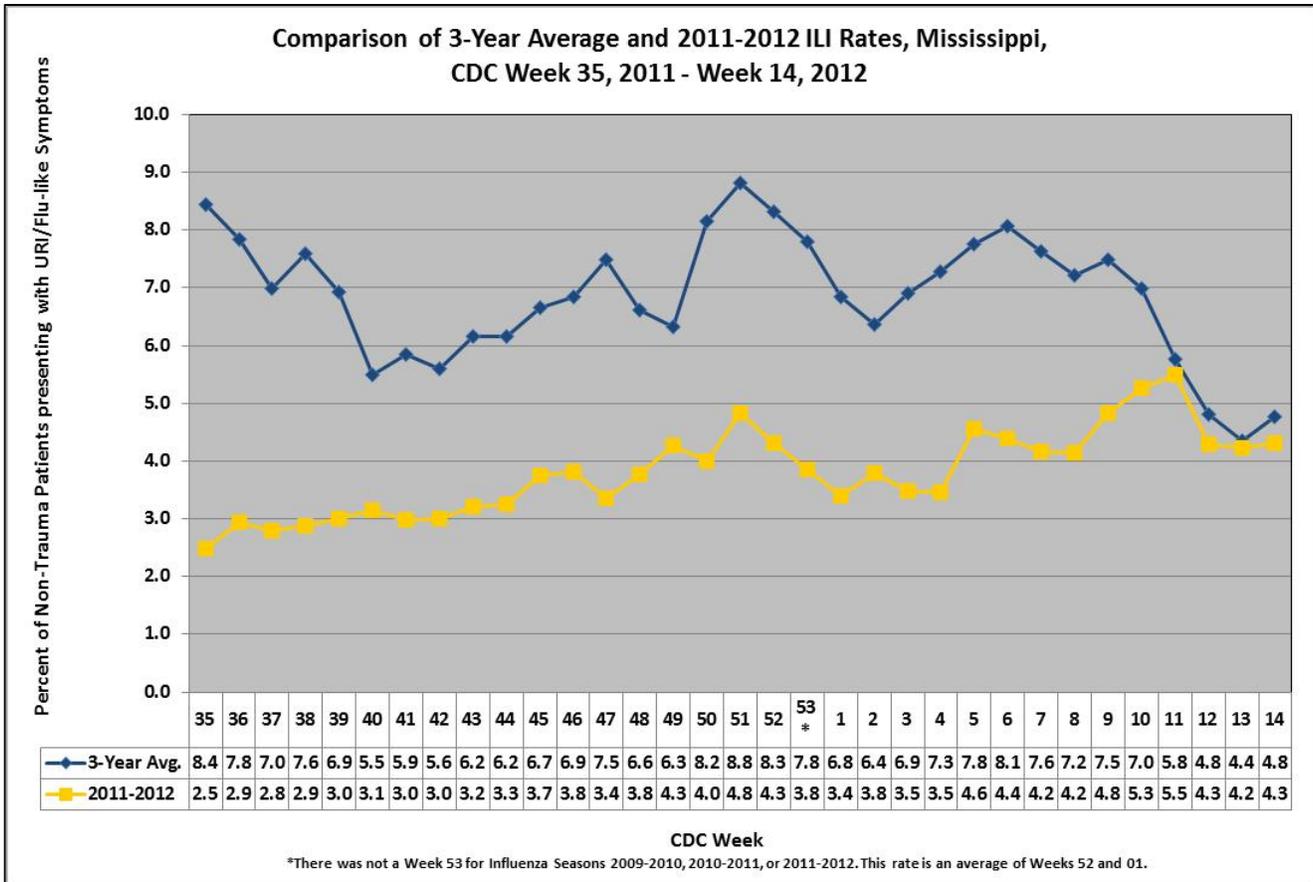


The number of reported ILI cases has been highest among people in the 0 to 4 years of age group, followed by those in the 5 to 24 years of age group. During Week

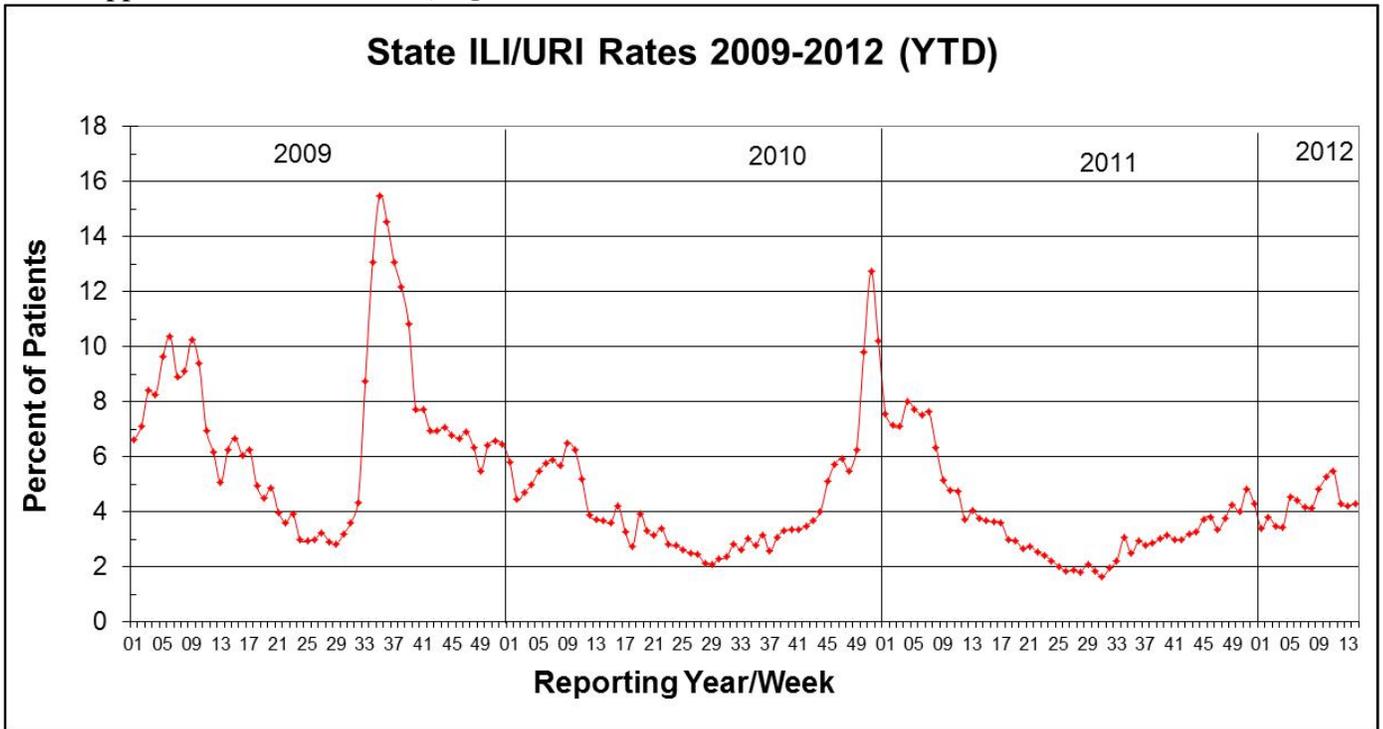
14, the number of reported ILI cases was highest among individuals in the **0 to 4 years** of age group. |

Figure 2

The 2011-12 state ILI rate was **comparable** to baseline for week **14**. | **Figure 3**



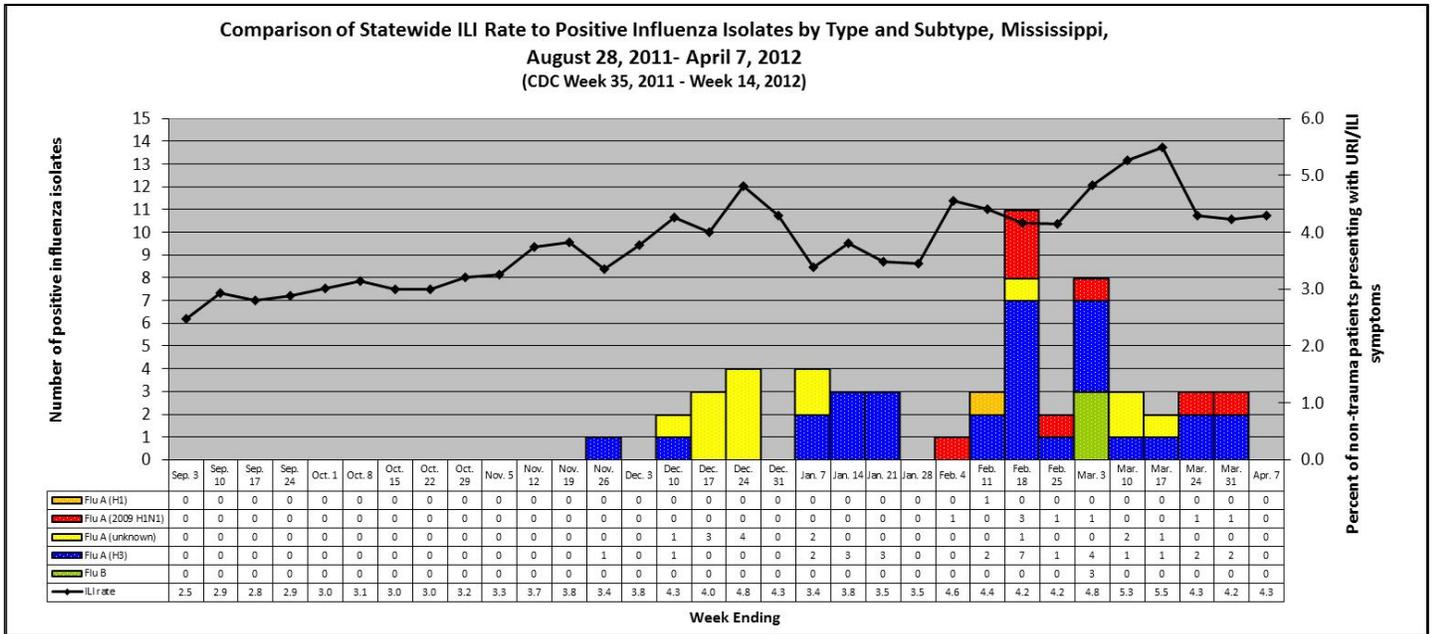
Mississippi ILI Rates 2009-2012 | **Figure 4**



Flu testing Reports

From week **35** (week ending September 3rd) through week **14** (week ending April 7th), fifty-six (**56**) positive influenza samples were identified by MSDH. Fifty-three were influenza A and three were influenza B. Thirty were subtyped as influenza A (H3) and nine were subtyped as influenza A (H1). Fourteen samples did not have subtyping performed.

The influenza cases were identified from the following counties: Benton, Calhoun (4), Chickasaw, Coahoma, Copiah (2), Covington, DeSoto (2), Forrest, Harrison (3), Hinds (6), Lawrence, Leflore, Lincoln, Marshall (9), Monroe (2), Neshoba, Oktibbeha, Panola, Pike, Prentiss, Rankin (2), Stone, Tate (2), and Yazoo (10). | **Figure 5**



National ILI Surveillance

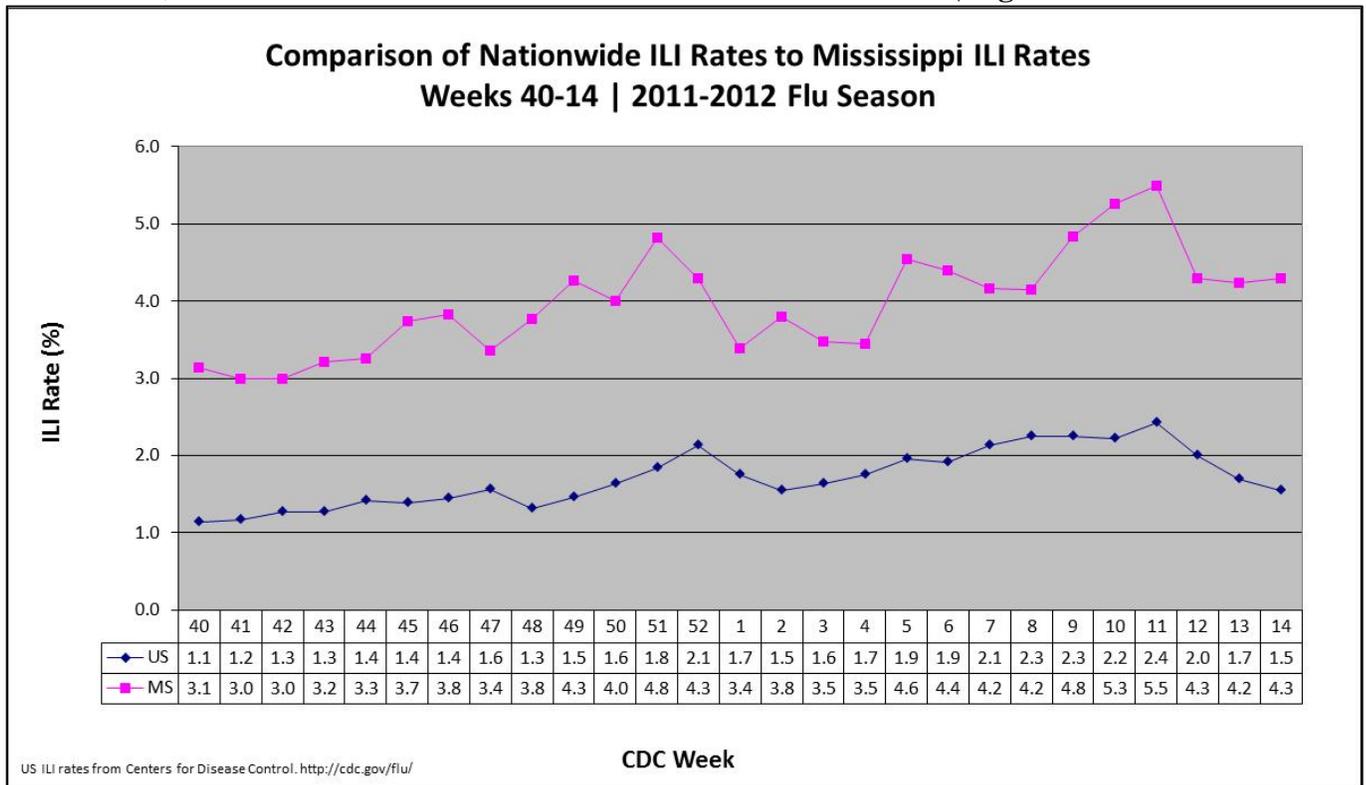
Nationally, there were no influenza-associated pediatric deaths reported to CDC during week **14**. The total number of influenza-associated pediatric deaths reported during the 2011-2012 season is **13**.

Mississippi has had no reported influenza-associated pediatric deaths during this influenza season.

Mississippi reported “Local” activity for week 14. | Table 4

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.

For week 14, the MS ILI rate continued to remain **above** the national rate. | Figure 6



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Appendix

Figure 1

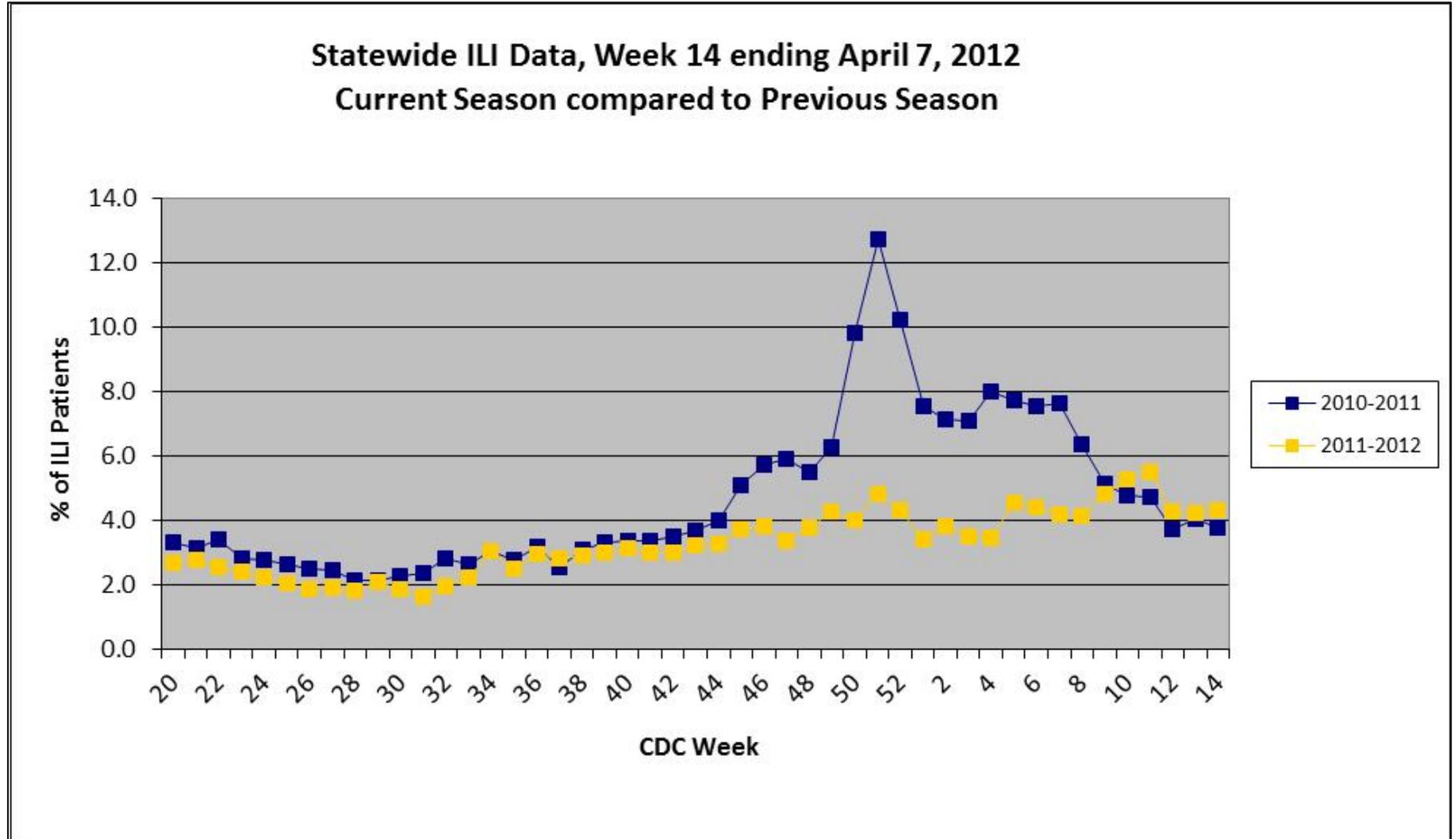


Figure 2

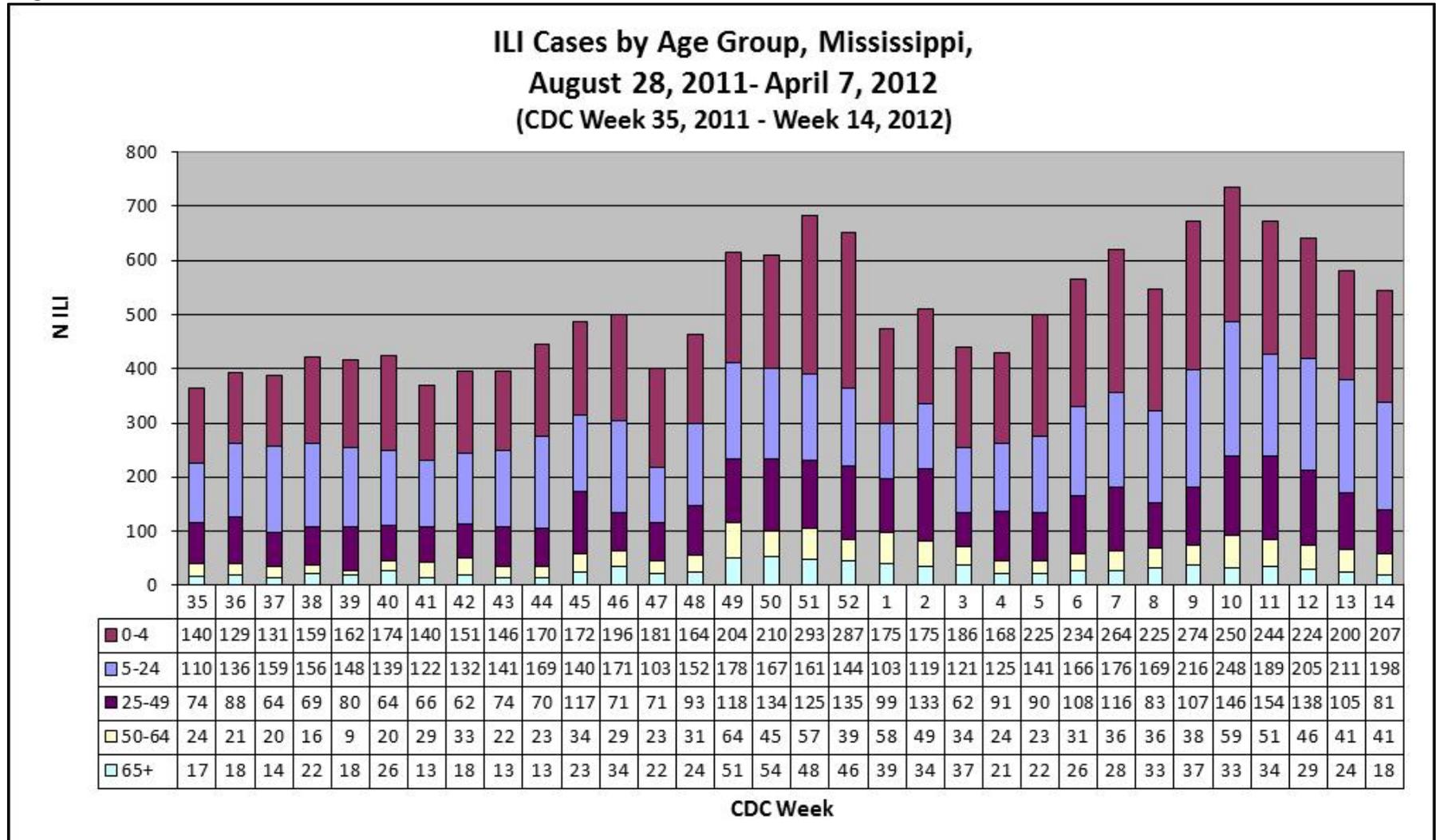


Figure 3

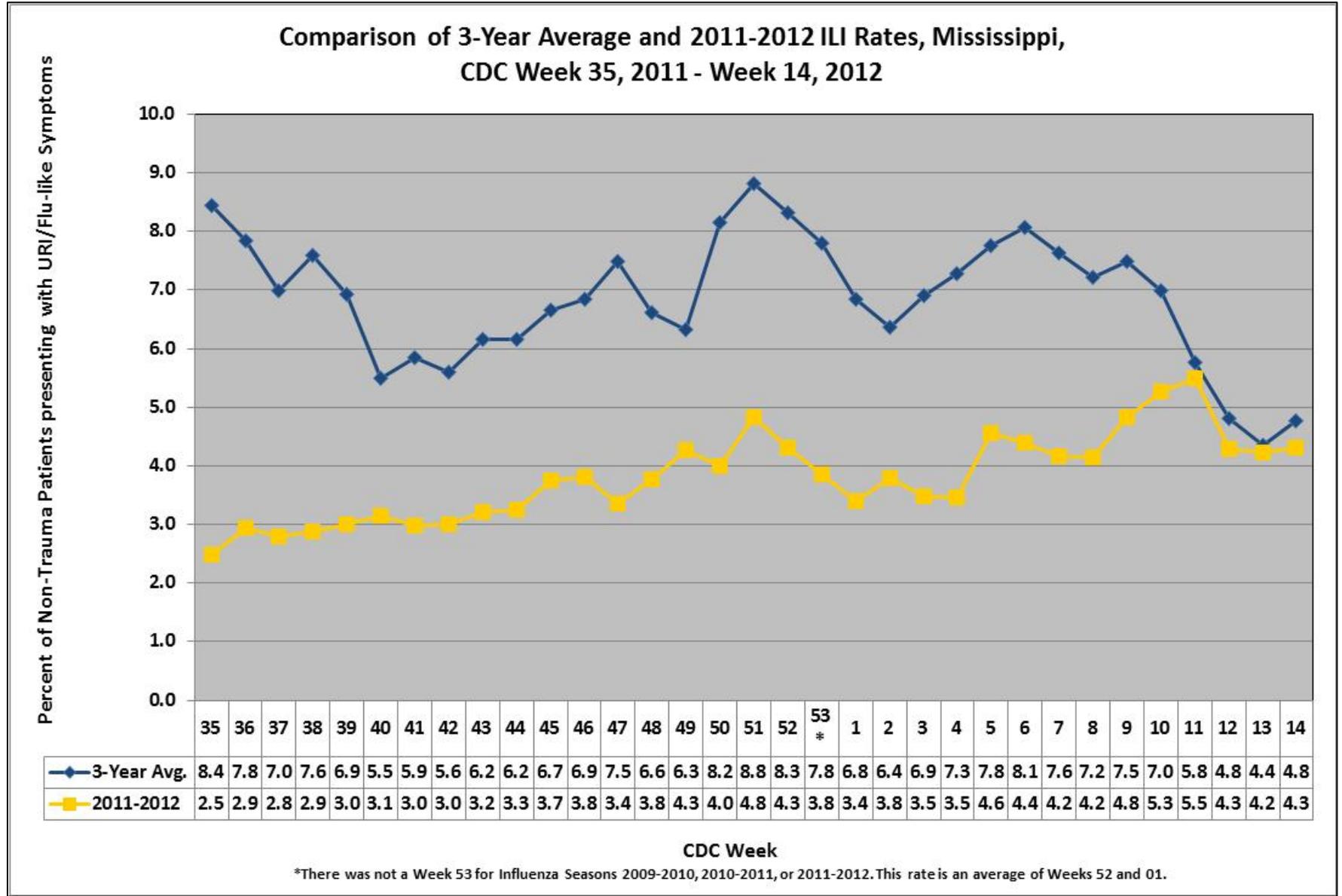


Figure 4

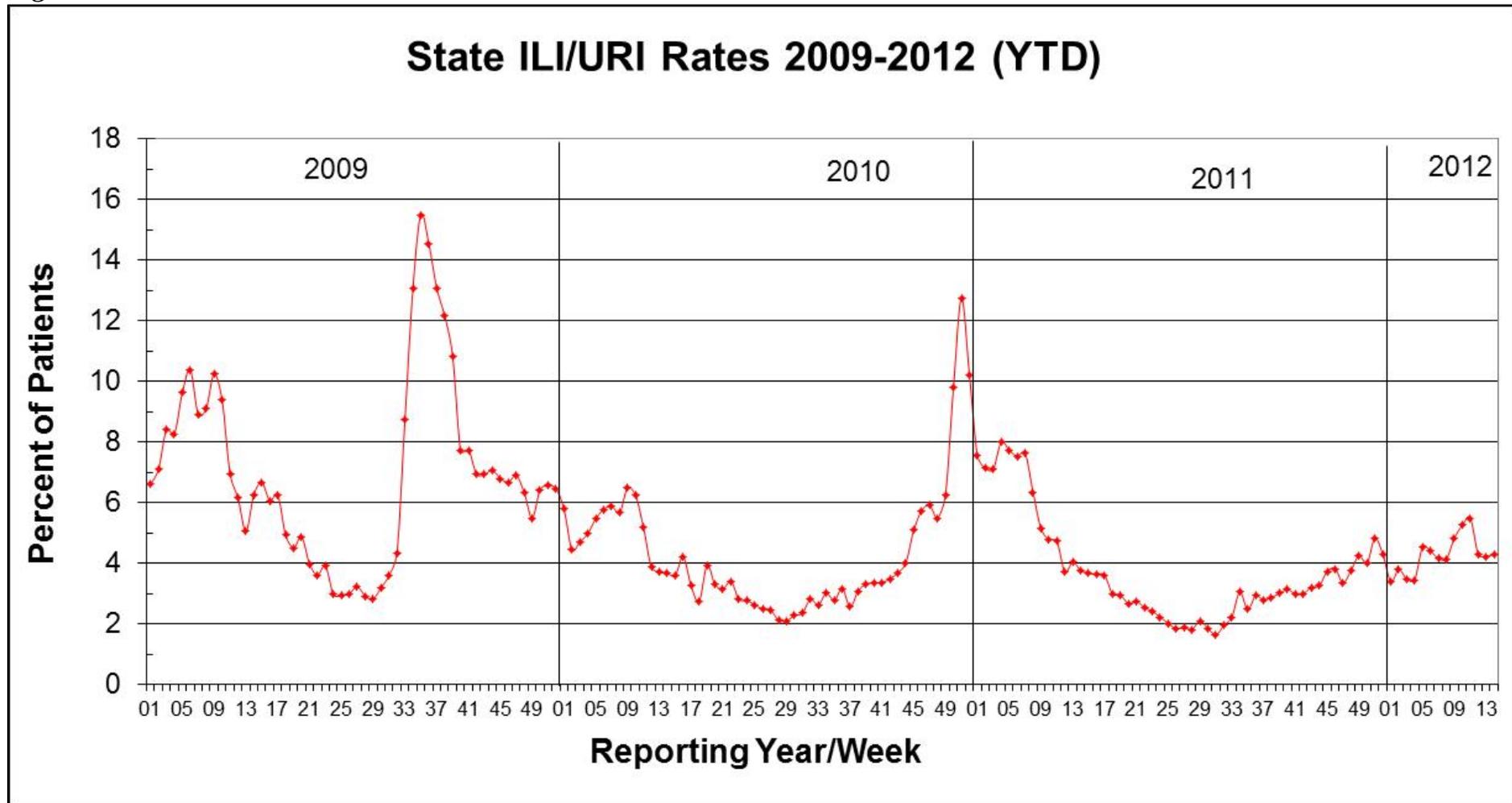


Figure 5

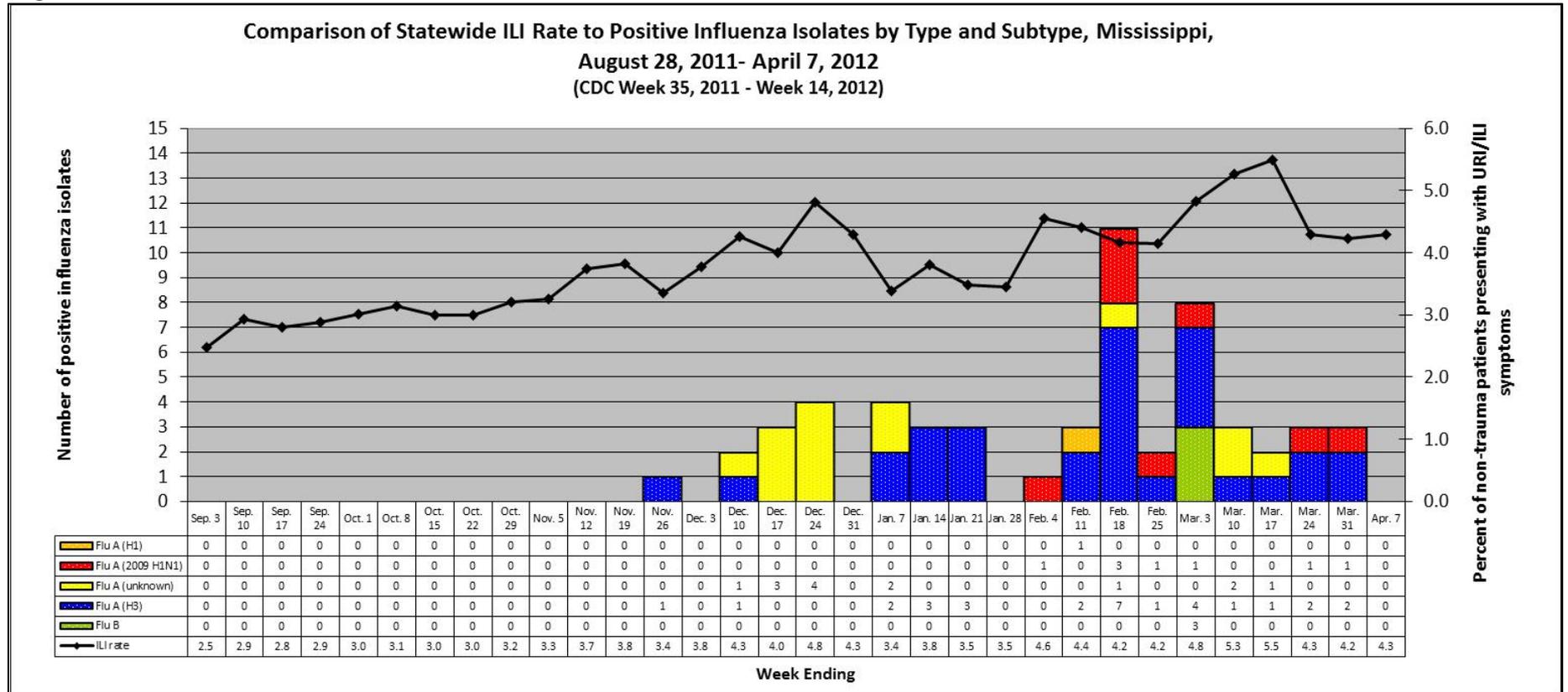


Figure 6

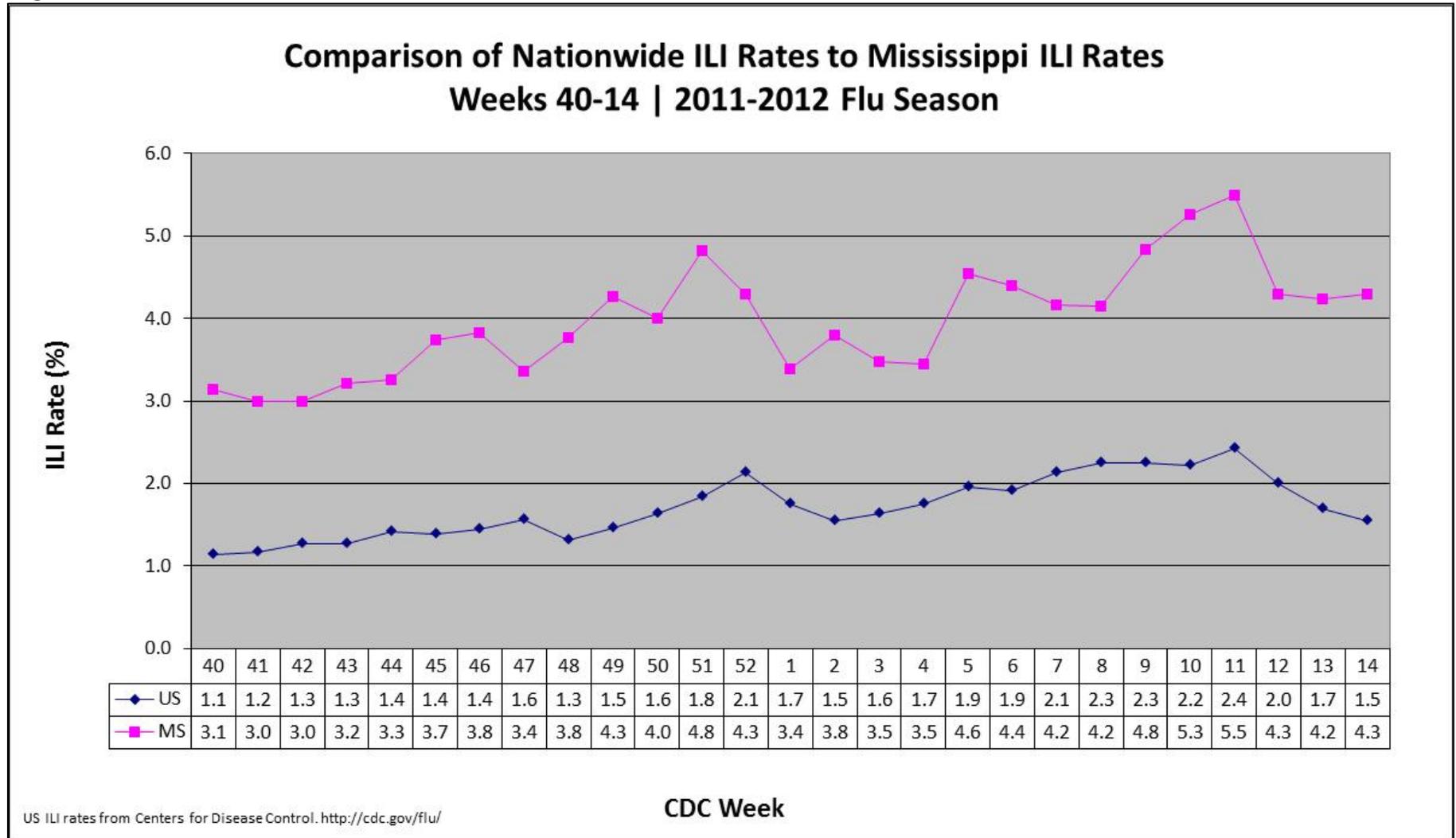


Figure 7

