



# Winnebago County Health Department



## Weekly Influenza Surveillance Report CDC Week 19 May 8th-May 14th 2011

### In Brief:

#### **Mortality**

Confirmed deaths from Pneumonia/Influenza Week 19: 2

Percent of deaths due to Pneumonia/Influenza: **8.20%**

Baseline—**1.8%**, Epidemic—**7.9%**

#### **School Attendance**

Sentinel Attendance – All Schools – Week of 05/9– 05/13: **90.77%**

#### **Influenza-Like Illness Surveillance**

Sentinel Site ILI rate (average of 3 sites participating)—week ending May 14th:

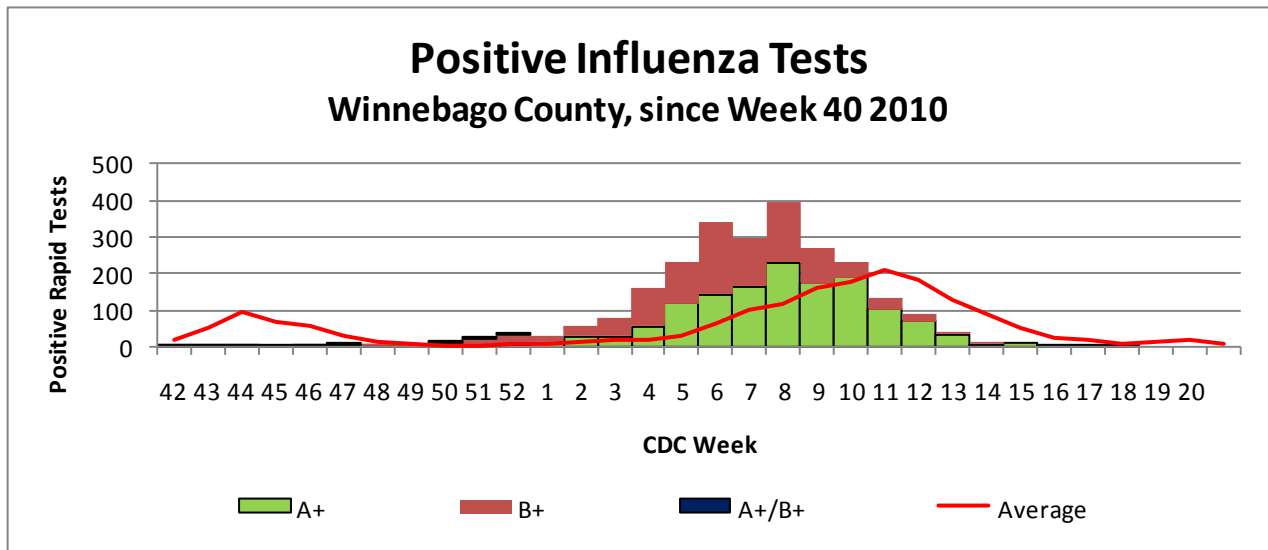
**1.42%**

#### **Pneumonia Hospital Admissions**

Week Ending May 14th: **28**

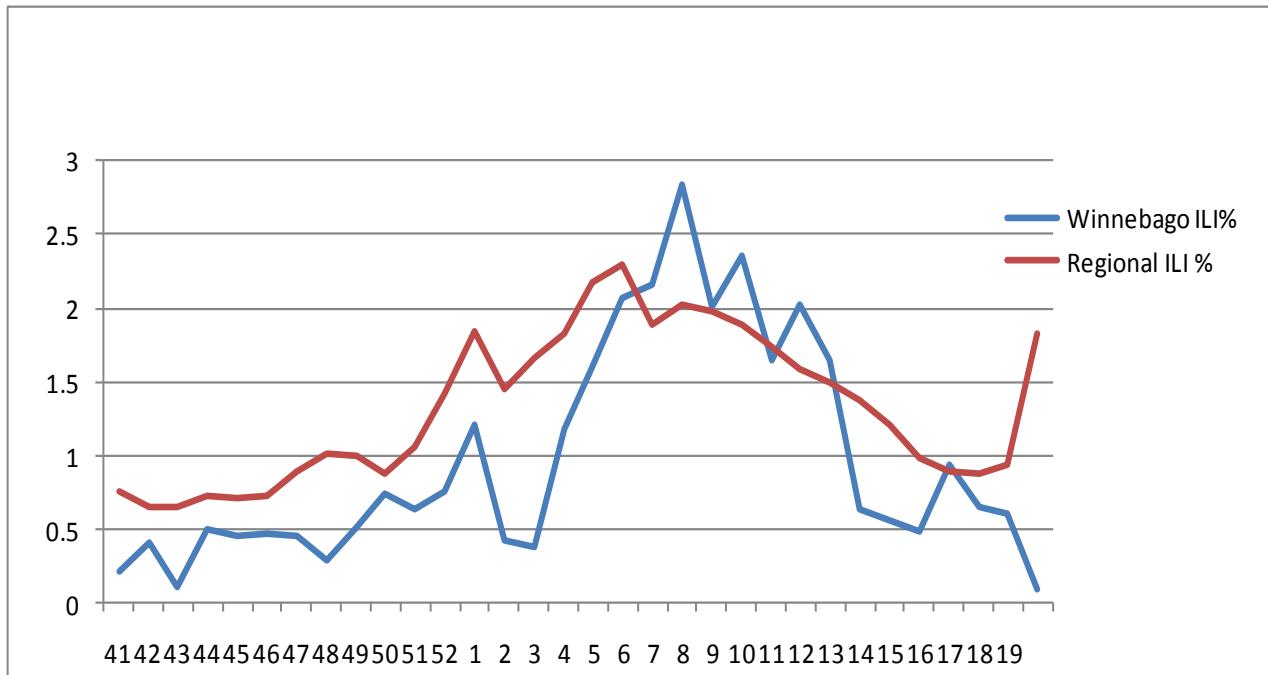
Previous Week Ending May 7th: **31**

Note: Numbers include 2 hospitals and are one week behind due to reporting methods.

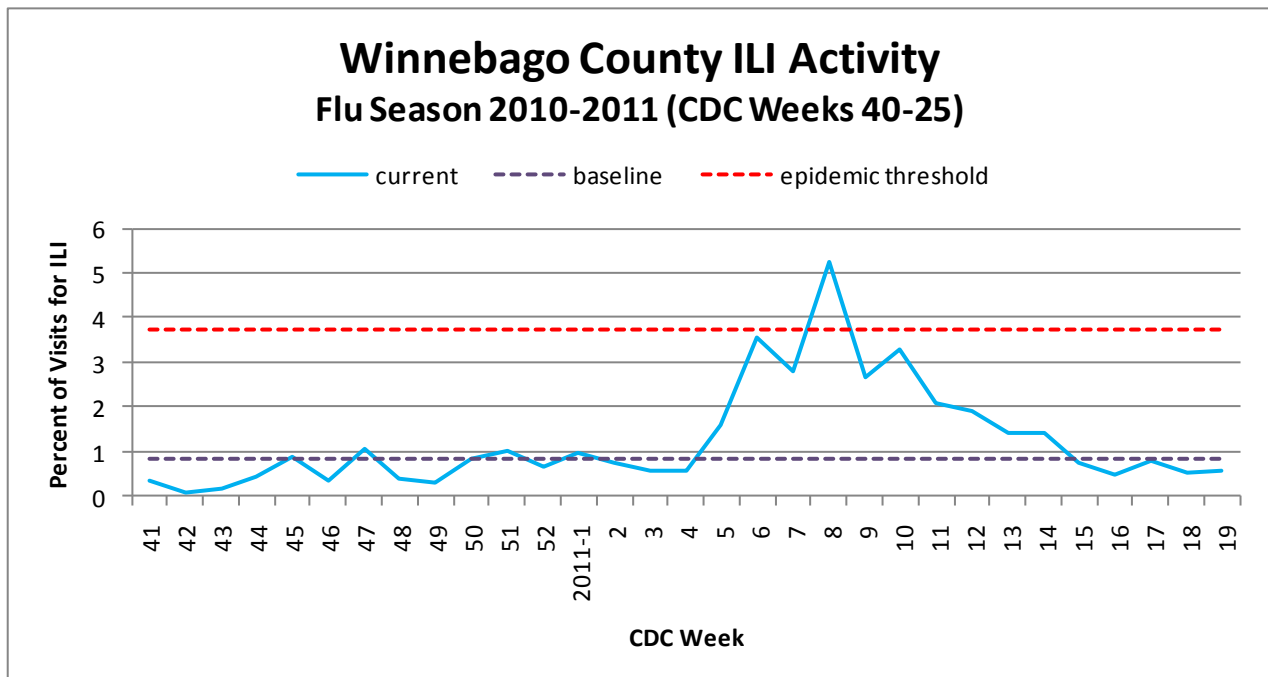


**Figure 1** displays the current number of rapid flu cases reported to our department for the 2010-2011 flu season (broken down by influenza sub-typing) compared to a 4-year historical average (the red line). Ending numbers for CDC Week 19 in Winnebago County show 2476 total positive rapid flu reported for this flu season. The historical average for Week 19 is currently 5.5 while we no flu cases reported for this week.

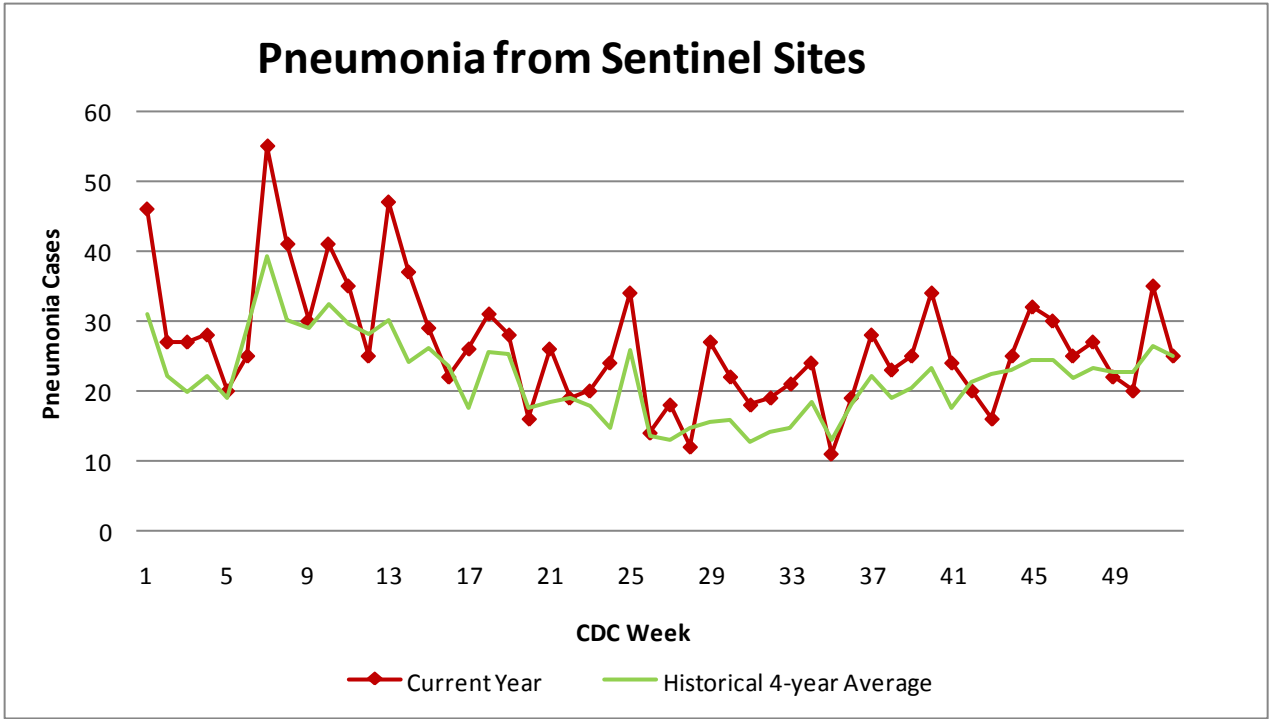
## Weekly Percentage of Visits as Identified by Essence



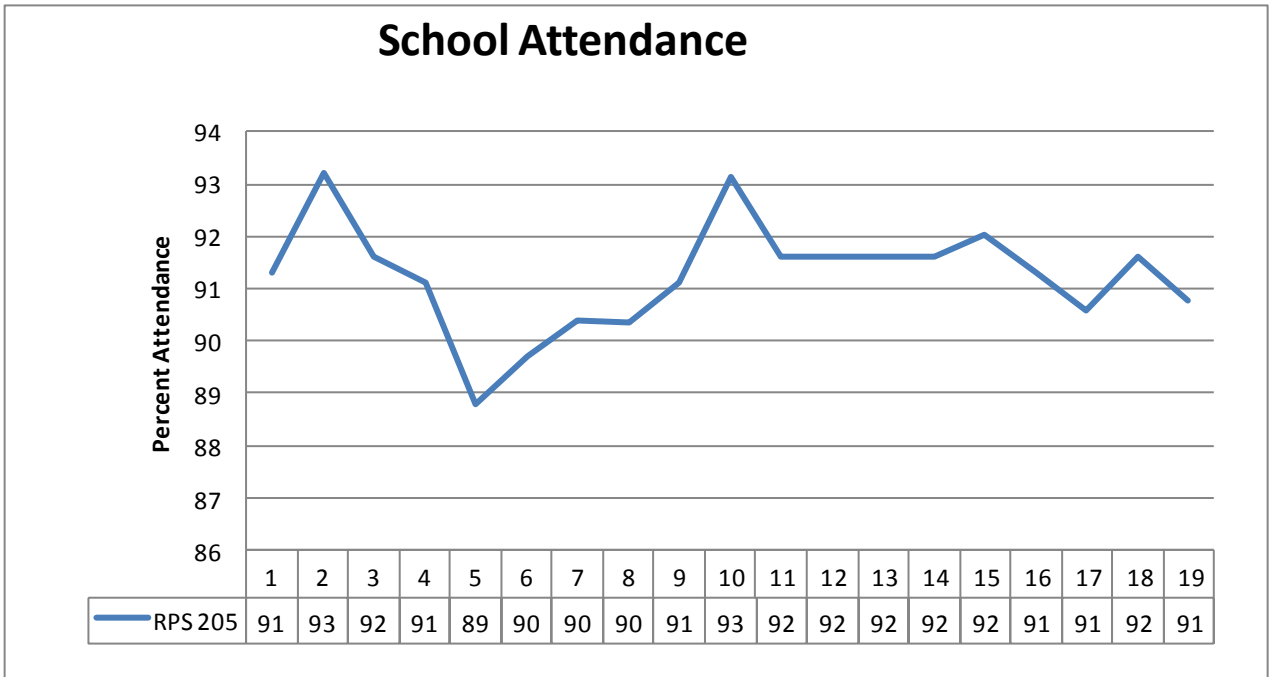
**Figure 2** displays the weekly percentage of Influenza-Like Illness (ILI) as identified by the Essence Syndromic Surveillance System. The blue line shows percentage of ILI Emergency Department visits in Winnebago County from our two participating hospitals and the red line shows the regional ILI percentage for all counties participating in ESSENCE. As of CDC Week 19 Winnebago County ILI rates have dropped drastically from those seen regionally and the regional rates have spiked for the week. For CDC Week 19, our county is well below the regional level for percentage ILI (Winnebago is at a rate of **0.08%** while the region overall was **1.82%** for Week 19).



**Figure 3** is the representation of all visits from our sentinel sites not participating in Essence for ILI. The average among our three sentinel sites for ILI % for Week 19 of **0.52%**. The ILI percents from our three sentinel sites continues on a steady decrease. Our weekly average has dropped below the seasonal baseline of 0.84% for the third week in a row.



**Figure 4** compares the current number of pneumonia hospital admissions (red line) against the 4-year historical average (the green line). The first 5 weeks of the year reported above the historical average and dropped slightly below the 4-year average in week 6. Weeks 7 –11 brought us back over the 4-year averages and week 12 came in below the historical average. Weeks 13, 14, and 15 were above the 4-year average and week 16 was slightly below the 4-year average. CDC Weeks 17/18 came in just above the 4-year historical averages and for CDC Week 19, we continued above the 4-year historical average of 25.25 with 28 hospital admittances reported. Numbers for weeks 17, 18, and 19 for 2011 are still arriving.



**Figure 5** shows school attendance to date in 2011. for the first 5 weeks of the year, school attendance was on a slight decrease for RPS District 205 but has held steadily above 90% for weeks 6-18. For CDC Week 19, school attendance decreased slightly to 90.77%

Number of confirmed H1N1 influenza cases to date in Winnebago County (2011): 3 (IDPH)

Number of confirmed Novel H3N2 influenza cases to date in Winnebago County (2011): 5 (IDPH)

Number of confirmed Novel Influenza B cases for to date in Winnebago County (2011): 11 (IDPH)

## Outside the County:

Illinois influenza activity (as of Week 19):

**NO Activity**

ILI Activity Level (Influenza like Illnesses reported)

Illinois is **MINIMAL** on the scale

United States influenza activity (as of Week 19):

**No states** reported widespread influenza activity

**Sporadic** activity influenza activity was reported in

Puerto Rico and 27 states

Washington DC, the U.S. Virgin Islands, Guam, and 23 states reported **NO**

**INFLUENZA ACTIVITY**



### Questions/Comments?

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**Public Health**  
Prevent. Promote. Protect.