



Winnebago County Health Department



Weekly Influenza Surveillance Report CDC Week 15 April 10-April 16th 2011

In Brief:

Mortality

Confirmed deaths from Pneumonia/Influenza Week 15: **6**

Percent of deaths due to Pneumonia/Influenza: **12.24%**

Baseline—**1.8%**, Epidemic—**7.9%**

School Attendance

Sentinel Attendance – All Schools – Week of 04/11 – 04/15: **92.04%**

Influenza-Like Illness Surveillance

Sentinel Site ILI rate (average of 3 sites participating)—week ending April 16th:
1.42%

Pneumonia Hospital Admissions

Week Ending April 16th: **29**

Previous Week Ending April 9th: **37**

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

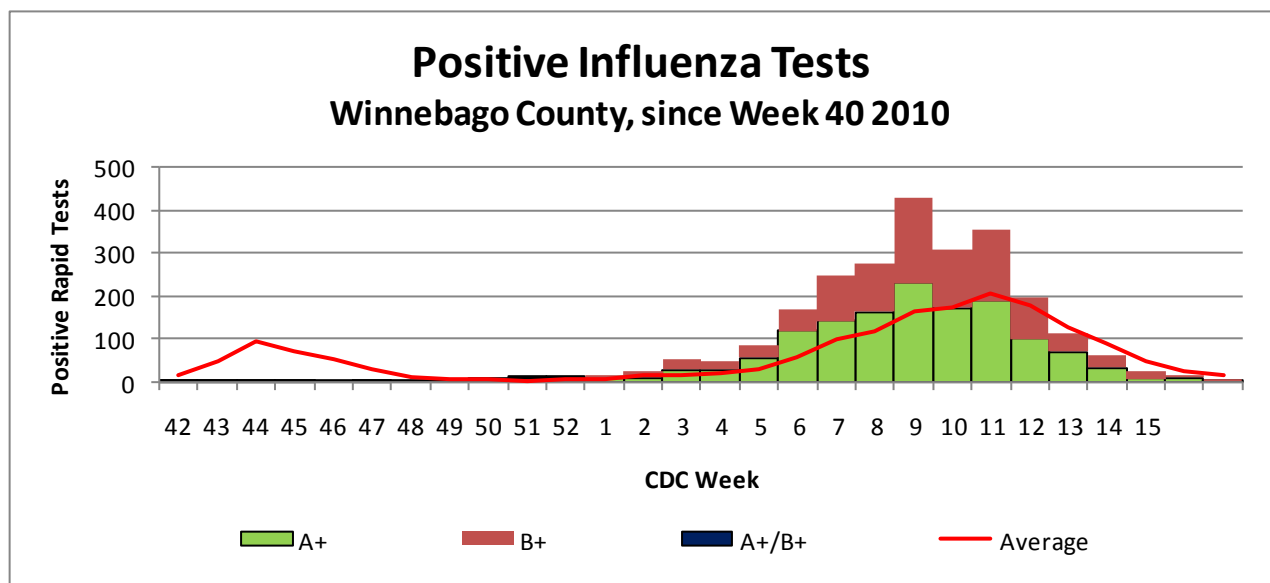


Figure 1 displays the current number of rapid flu cases reported to our department for the 2010-2011 flu season (broken down by influenza sub-typing) compared to a 4-year historical average (the red line). Ending numbers for CDC Week 15 in Winnebago County show 2473 total positive rapid flu reported for this flu season. The historical average for Week 15 is currently 17 while our reported cases are only 5 total for this week.

Weekly Percentage of Visits as Identified by Essence

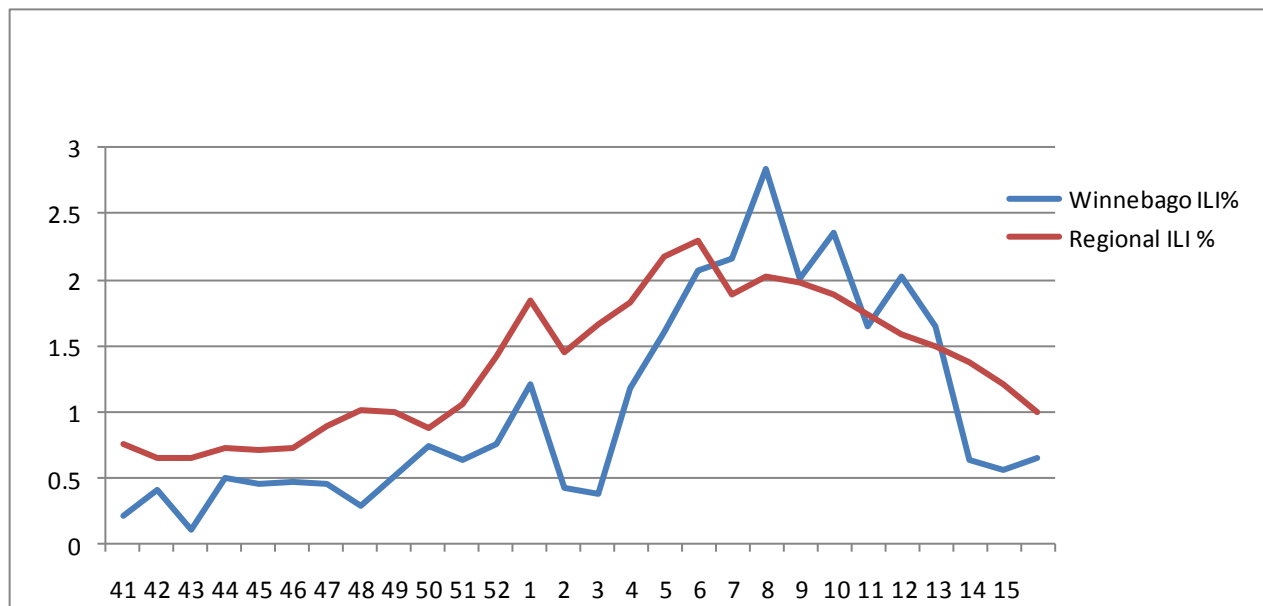


Figure 2 displays the weekly percentage of Influenza-Like Illness (ILI) as identified by the Essence Syndromic Surveillance System. The blue line shows percentage of ILI Emergency Department visits in Winnebago County from our two participating hospitals and the red line shows the regional ILI percentage for all counties participating in ESSENCE. As of CDC Week 15 Winnebago County and regional ILI rates have been steadily decreasing although our county line is up 0.10 from last week. However, Our county is way below the regional level for percentage ILI (Winnebago is at a rate of **0.65%** while the region overall was **1.0%** for Week 15).

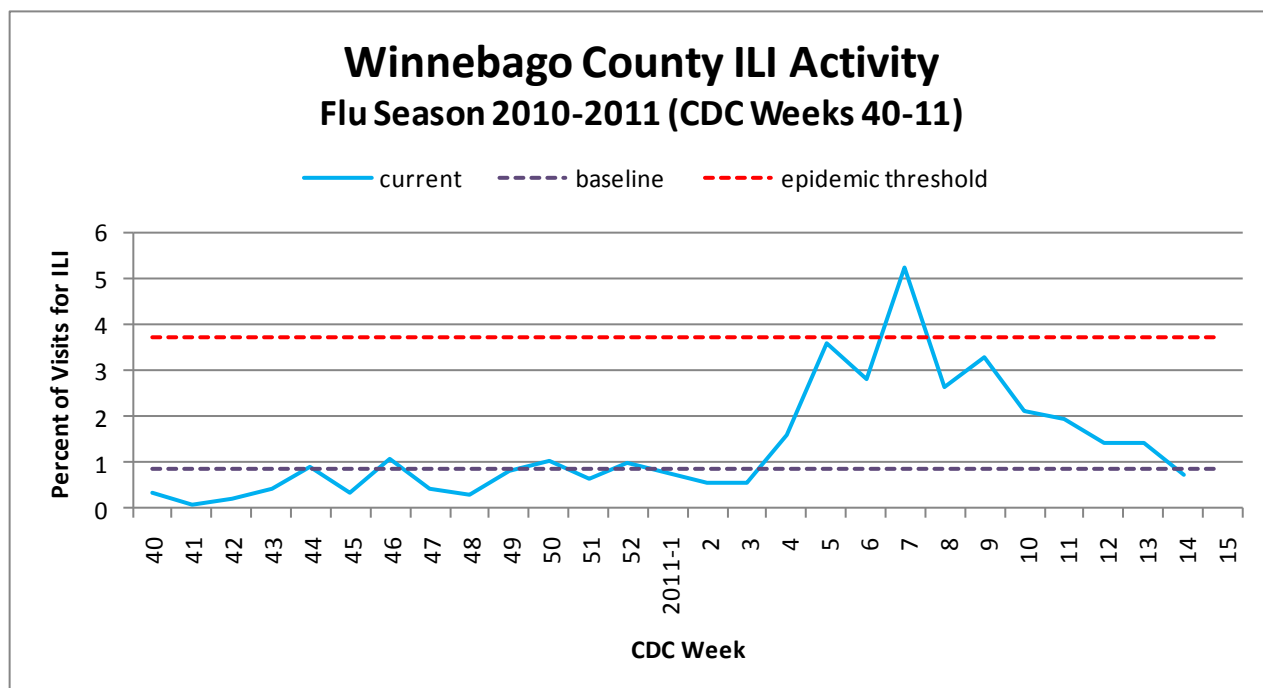


Figure 3 is the representation of all visits from our sentinel sites not participating in Essence for ILI. The average among our three sentinel sites for ILI % for Week 15 of **0.55%**. The ILI percents from our three sentinel sites continues on a steady decrease. Our weekly average is above seasonal baseline of 0.84% but below the epidemic threshold of 3.71%.

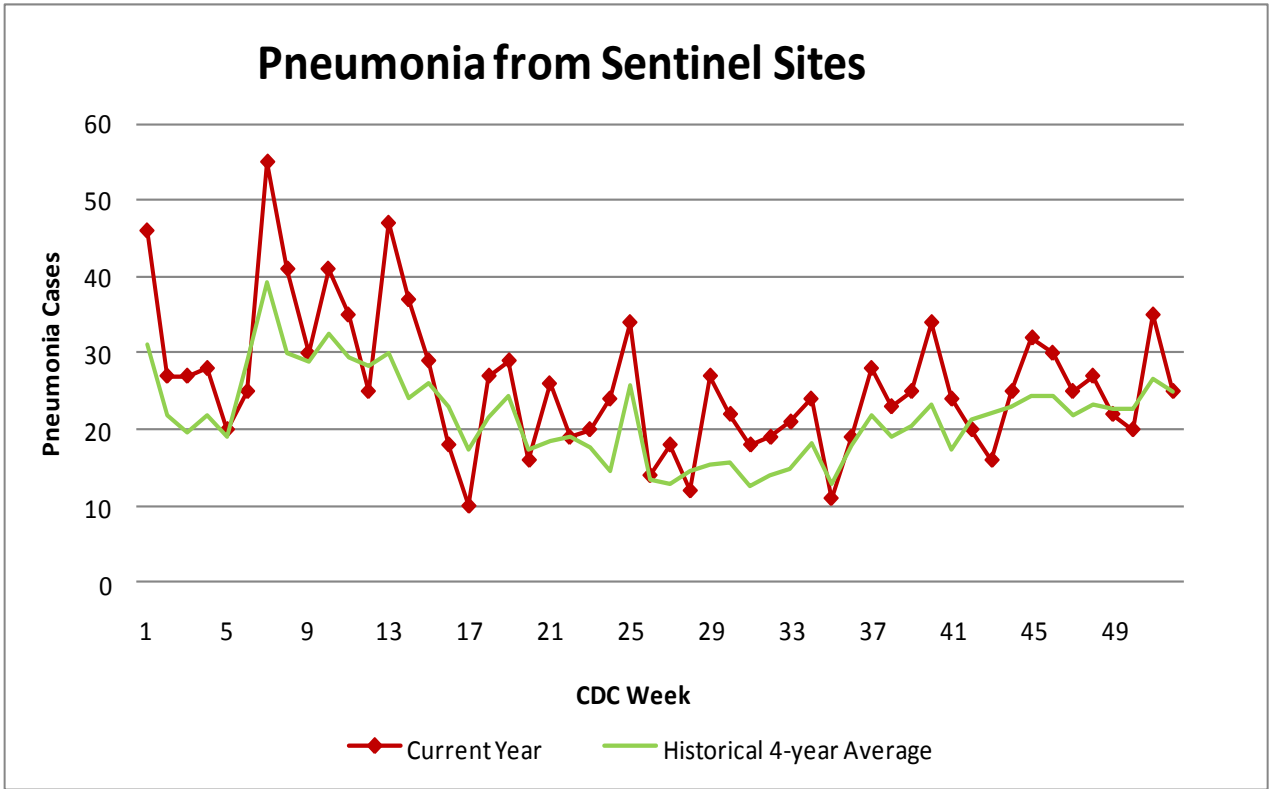


Figure 4 compares the current number of pneumonia hospital admissions (red line) against the 4-year historical average (the green line). The first 5 weeks of the year reported above the historical average and dropped slightly below the 4-year average in weeks 6. Weeks 7 –10 brought us back over the 4-year averages and weeks 11 and 12 came in below the historical average. Weeks 13 and 14 are above the 4-year average. For CDC Week 15 a total of 29 cases reported coming in just above the 4-year historical average of 26. Numbers for weeks 13, 14, and 15 for 2011 are still arriving.

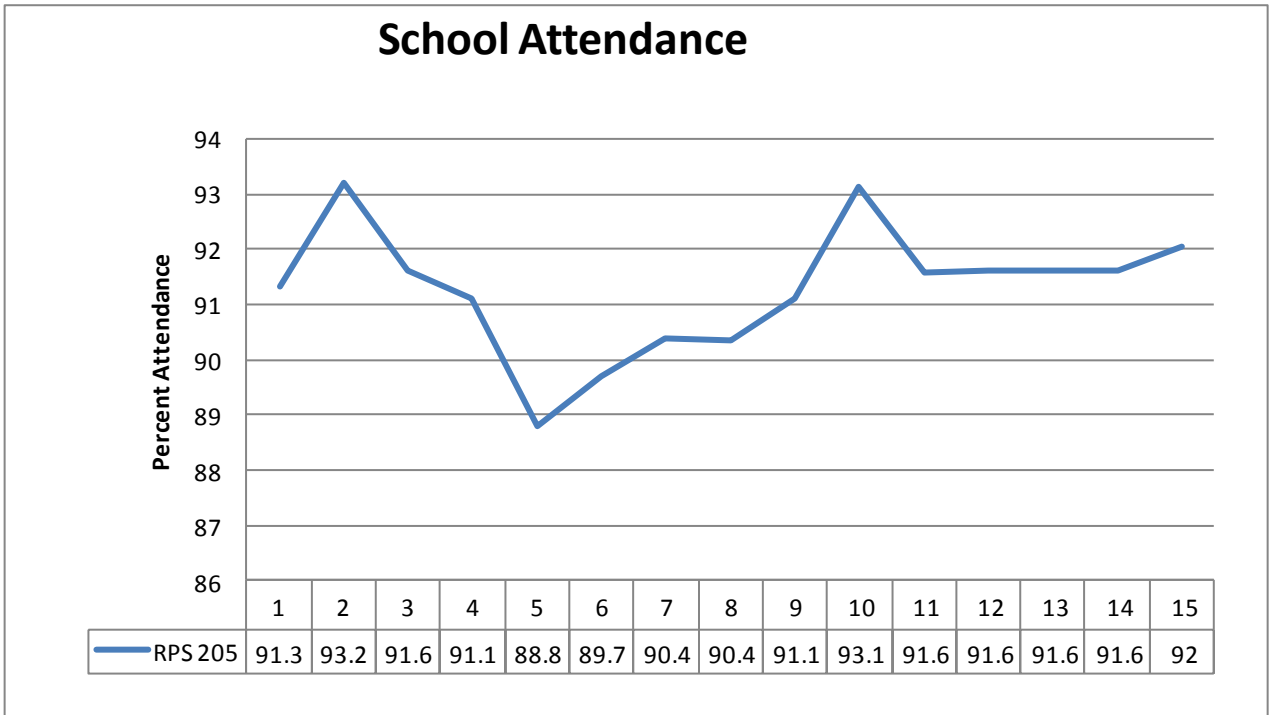


Figure 5 shows school attendance to date in 2011. for the first 5 weeks of the year, school attendance was on a slight decrease for RPS District 205 but has held steadily above 90% for weeks 6-14. For CDC Week 15, school attendance increased slightly to 92%

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 15):

Sporadic

ILI Activity Level (Influenza like Illnesses reported)

Illinois is **MINIMAL** on the scale

United States influenza activity (as of Week 15):

Regional activity in 5 states

Local activity in 20 states

Sporadic activity in Washington DC, Guam, Puerto Rico and 24 states

The US Virgin Islands and Kentucky reported no Influenza Activity



Questions/Comments?

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Public Health
Prevent. Promote. Protect.