



Winnebago County Health Department



Weekly Influenza Surveillance Report CDC Week 17 April 24-April 30th 2011

In Brief:

Mortality

Confirmed deaths from Pneumonia/Influenza Week 17: 1

Percent of deaths due to Pneumonia/Influenza: **1.96%**

Baseline—**1.8%**, Epidemic—**7.9%**

School Attendance

Sentinel Attendance – All Schools – Week of 04/25– 04/29: **90.57%**

Influenza-Like Illness Surveillance

Sentinel Site ILI rate (average of 3 sites participating)—week ending April 30th:

1.42%

Pneumonia Hospital Admissions

Week Ending April 30th: **21**

Previous Week Ending April 23rd: **22**

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

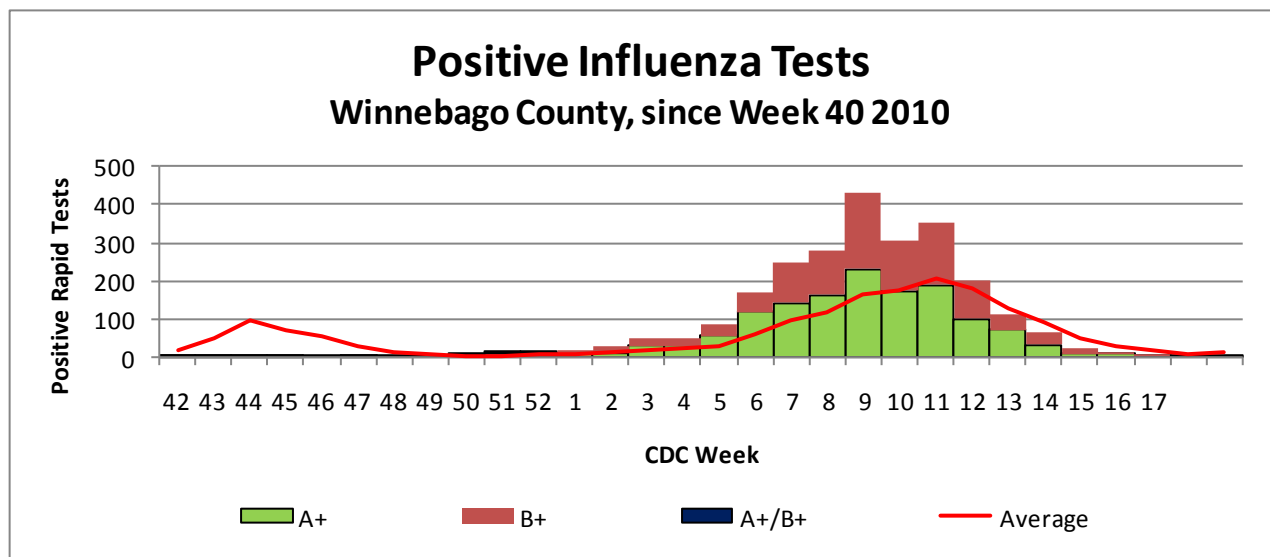


Figure 1 displays the current number of rapid flu cases reported to our department for the 2010-2011 flu season (broken down by influenza sub-typing) compared to a 4-year historical average (the red line). Ending numbers for CDC Week 17 in Winnebago County show 2476 total positive rapid flu reported for this flu season. The historical average for Week 17 is currently 12.5 while we only had two flu cases reported for this week.

Weekly Percentage of Visits as Identified by Essence

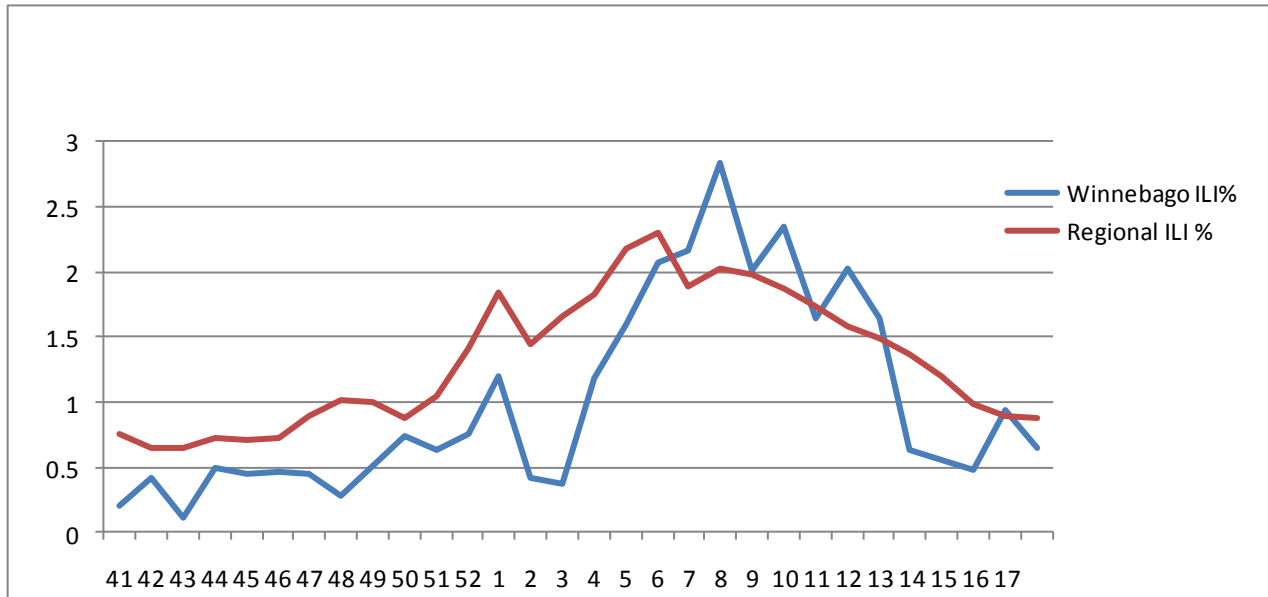


Figure 2 displays the weekly percentage of Influenza-Like Illness (ILI) as identified by the Essence Syndromic Surveillance System. The blue line shows percentage of ILI Emergency Department visits in Winnebago County from our two participating hospitals and the red line shows the regional ILI percentage for all counties participating in ESSENCE. As of CDC Week 17 Winnebago County and regional ILI rates have been steadily decreasing with a minor spike last week. For CDC Week 17, our county is below the regional level for percentage ILI (Winnebago is at a rate of **0.64%** while the region overall was **0.87%** for Week 17).

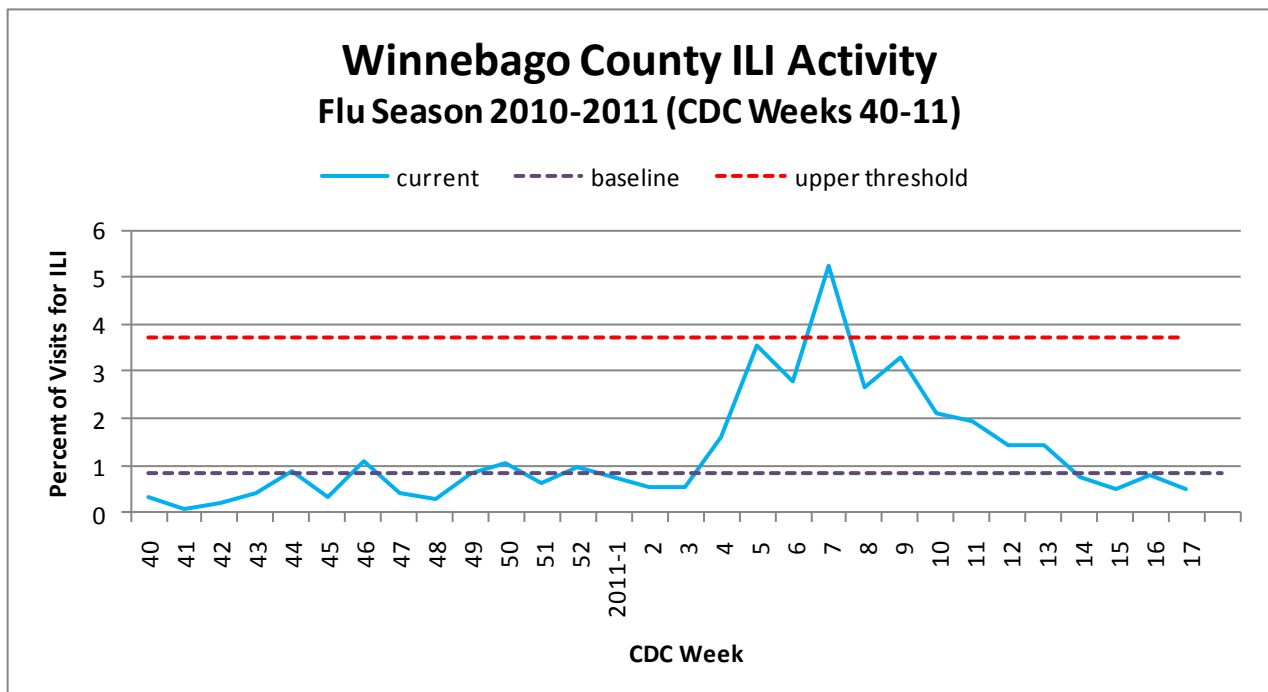


Figure 3 is the representation of all visits from our sentinel sites not participating in Essence for ILI. The average among our three sentinel sites for ILI % for Week 17 of **0.52%**. The ILI percents from our three sentinel sites continues on a steady decrease. Our weekly average has dropped below the seasonal baseline of 0.84% for the second week in a row.

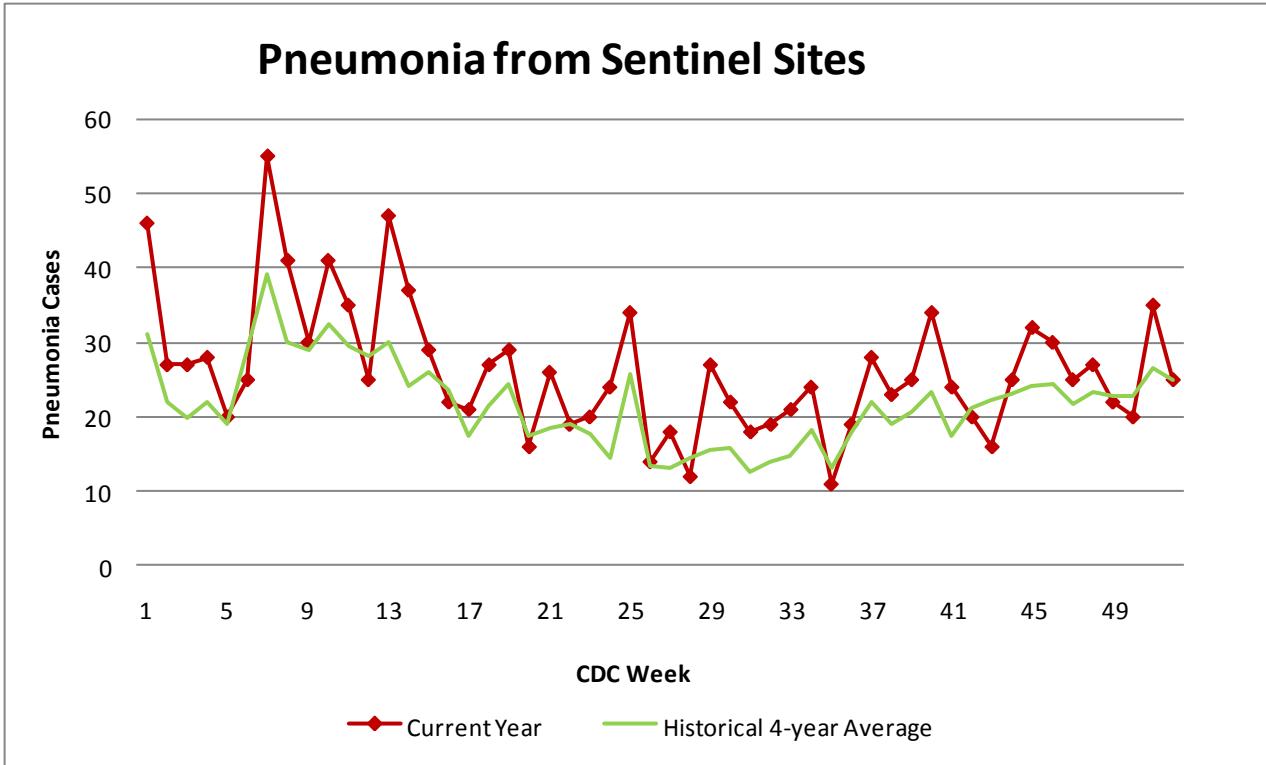


Figure 4 compares the current number of pneumonia hospital admissions (red line) against the 4-year historical average (the green line). The first 5 weeks of the year reported above the historical average and dropped slightly below the 4-year average in weeks 6. Weeks 7 –11 brought us back over the 4-year averages and weeks 12 came in below the historical average. Weeks 13, 14, and 15 are above the 4-year average and week 16 is slightly below the 4-year average. For CDC Week 17 a total of 21 cases reported coming in just under the 4-year historical average of 17.5. Numbers for weeks 15, 16, and 17 for 2011 are still arriving.

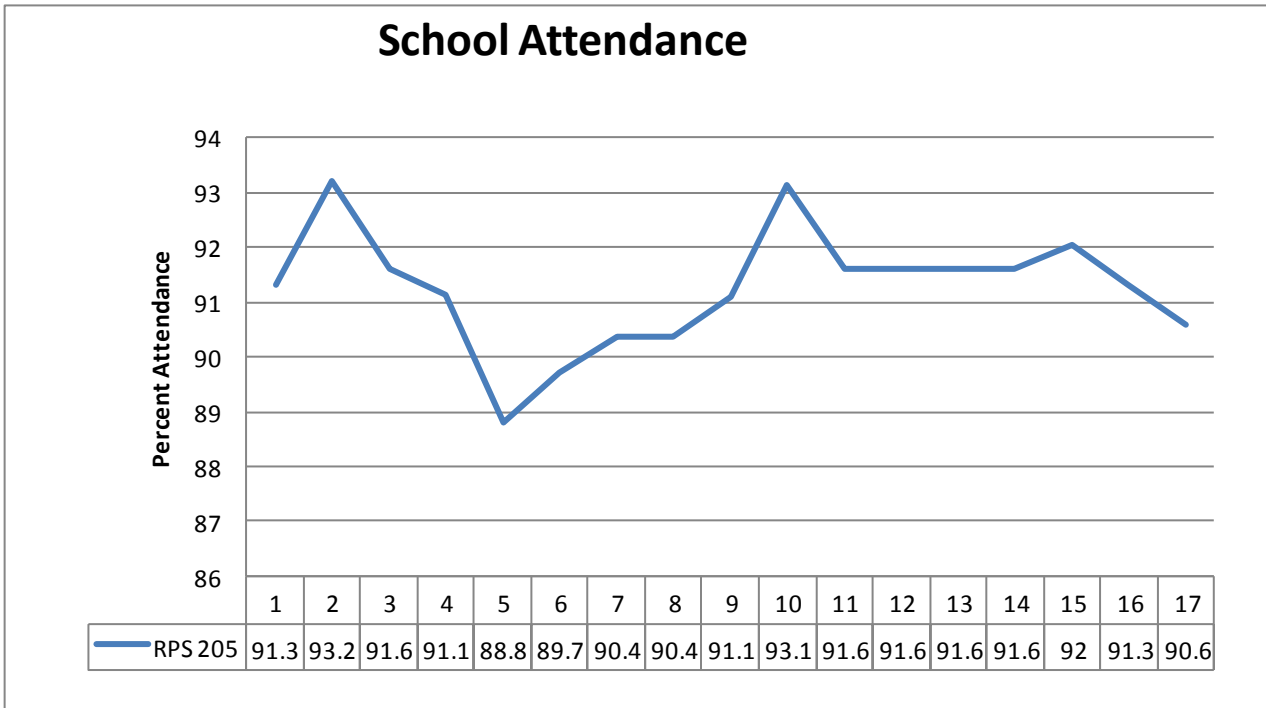


Figure 5 shows school attendance to date in 2011. For the first 5 weeks of the year, school attendance was on a slight decrease for RPS District 205 but has held steadily above 90% for weeks 6-16. For CDC Week 17, school attendance decreased slightly to 90.57%.

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 17):

Sporadic Activity

ILI Activity Level (Influenza like Illnesses reported)

Illinois is **MINIMAL** on the scale

United States influenza activity (as of Week 17):

No states reported widespread influenza activity

Regional influenza activity was reported in New Hampshire and New York

Local Influenza activity was reported in Washington DC and seven states

Sporadic activity Sporadic influenza activity was reported by Puerto Rico and 33 states

The U.S. Virgin Islands, Guam, and eight states (Arkansas, Delaware, Idaho, Indiana, Kentucky, North Carolina, Rhode Island, and Utah) re



Questions/Comments?

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