



**Kane County 2011-2012
Influenza Surveillance Summary**

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Kane County, Illinois Influenza-Like Illness Surveillance 2011-2012

During the months October through April, the Kane County Health Department tracks influenza activity in our county by monitoring:

- Visits to Emergency Departments for Influenza-Like Illness (ILI)¹
- Hospital laboratory testing for influenza
- ILI associated absenteeism in public schools (Grades K-12)
- Influenza-associated pediatric deaths
- Influenza-related ICU admissions and ICU deaths
- Reports of influenza outbreaks in long-term care facilities

Due to the fact that the flu season peaked late this year, the flu surveillance was extended till the end of May this year.

The health department would like to thank participating hospitals, labs and school districts that provided weekly reports that made this monitoring possible. Below are graphs representing the percentage of ER patients that were seen with ILI, the average ILI absenteeism rate from public schools in Kane County, influenza laboratory testing activity, ICU admissions and pediatric deaths related to influenza.

Summary

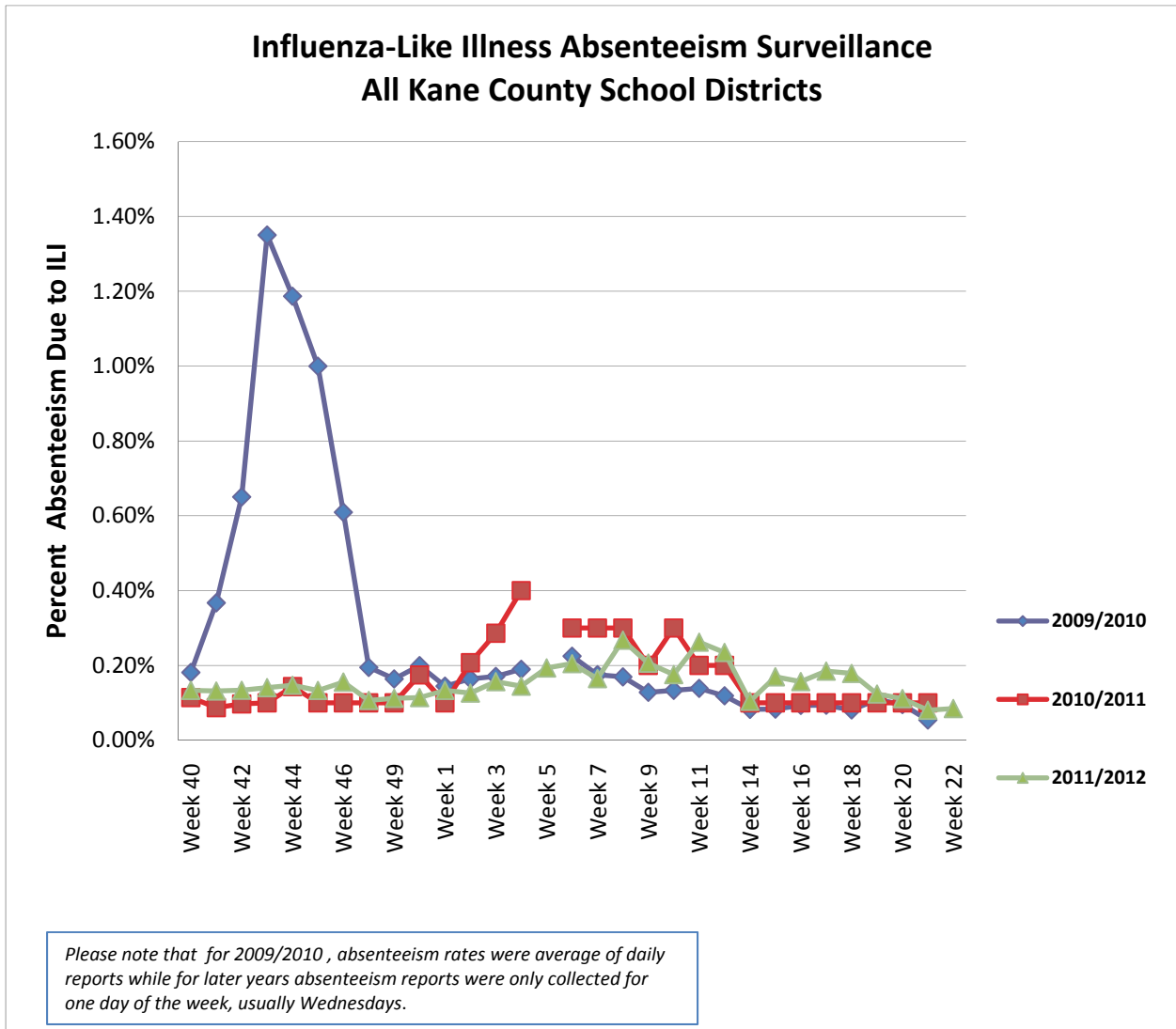
Kane County Health Department conducted Influenza-Like-Illness surveillance for 2011-2012 beginning in October through end of May. Influenza activity in Kane County during 2011-2012 season peaked in mid March, about a month later than the previous year. The Kane County ILI surveillance was thus extended for an additional month as a result of that. Although Influenza type A and type B ended up at 48% and 51% of the total respectively, type B was the predominant strain for the latter half of the 2011-2012 season.

There were 3 influenza-related ICU admissions in Kane County during influenza season 2011-2012.

¹ Influenza-like-illness (ILI) is defined as fever > 100° F with cough and/or sore throat without other known cause

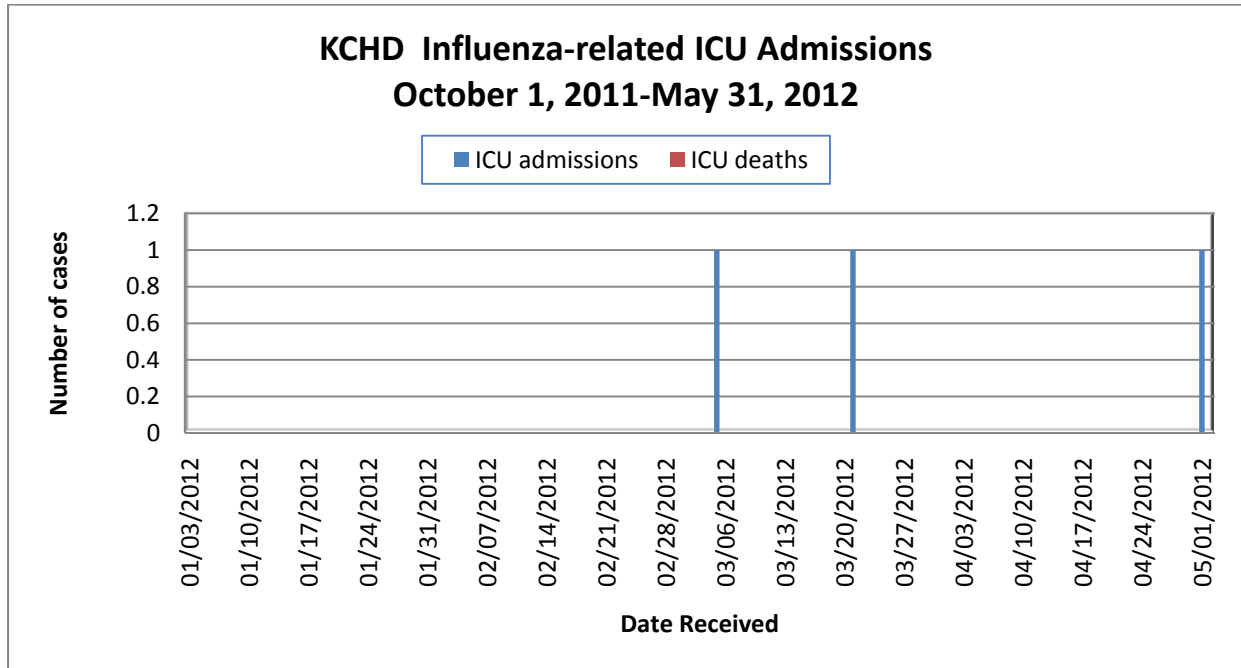
School Influenza-Like Illness Surveillance

Data represents public schools that reported ILI related absenteeism during the 2011/2012 school year. The individual school maximum was 4.57% and the minimum was 0%. The county average absenteeism due to ILI activity among school age children in Kane County peaked on 2/25/2012. The county maximum was 0.26% and the county minimum 0.08%.



Influenza-related ICU (Intensive Care Unit) Admissions and Deaths

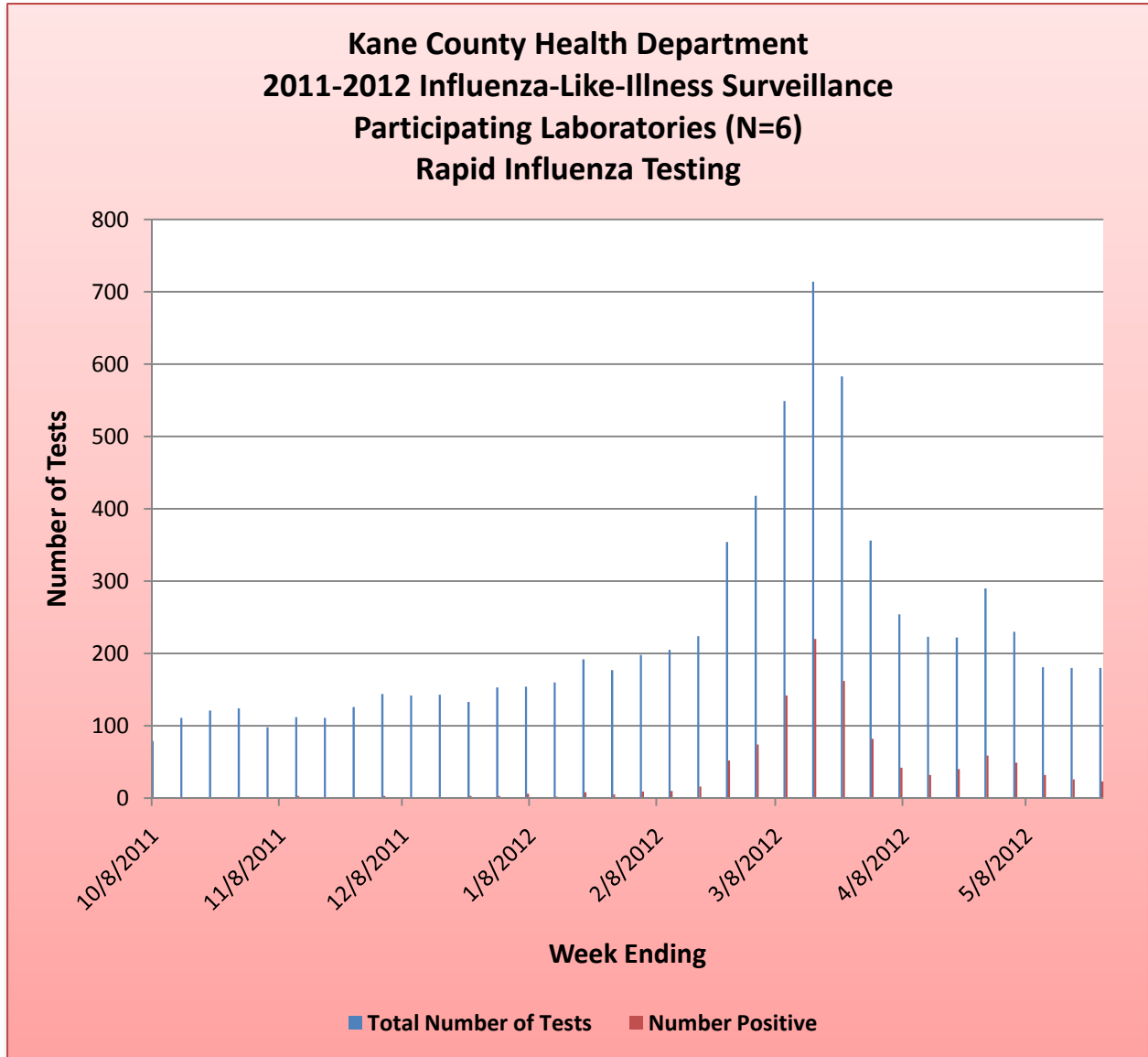
A total of 3 Influenza-related ICU admissions during the influenza season were reported in Kane County. The first report was received the week ending 3/9/2012. Additional 2 Influenza-related ICU admissions continued through the week ending 5/2/2012. There were no reports of Influenza-related ICU deaths during this season.



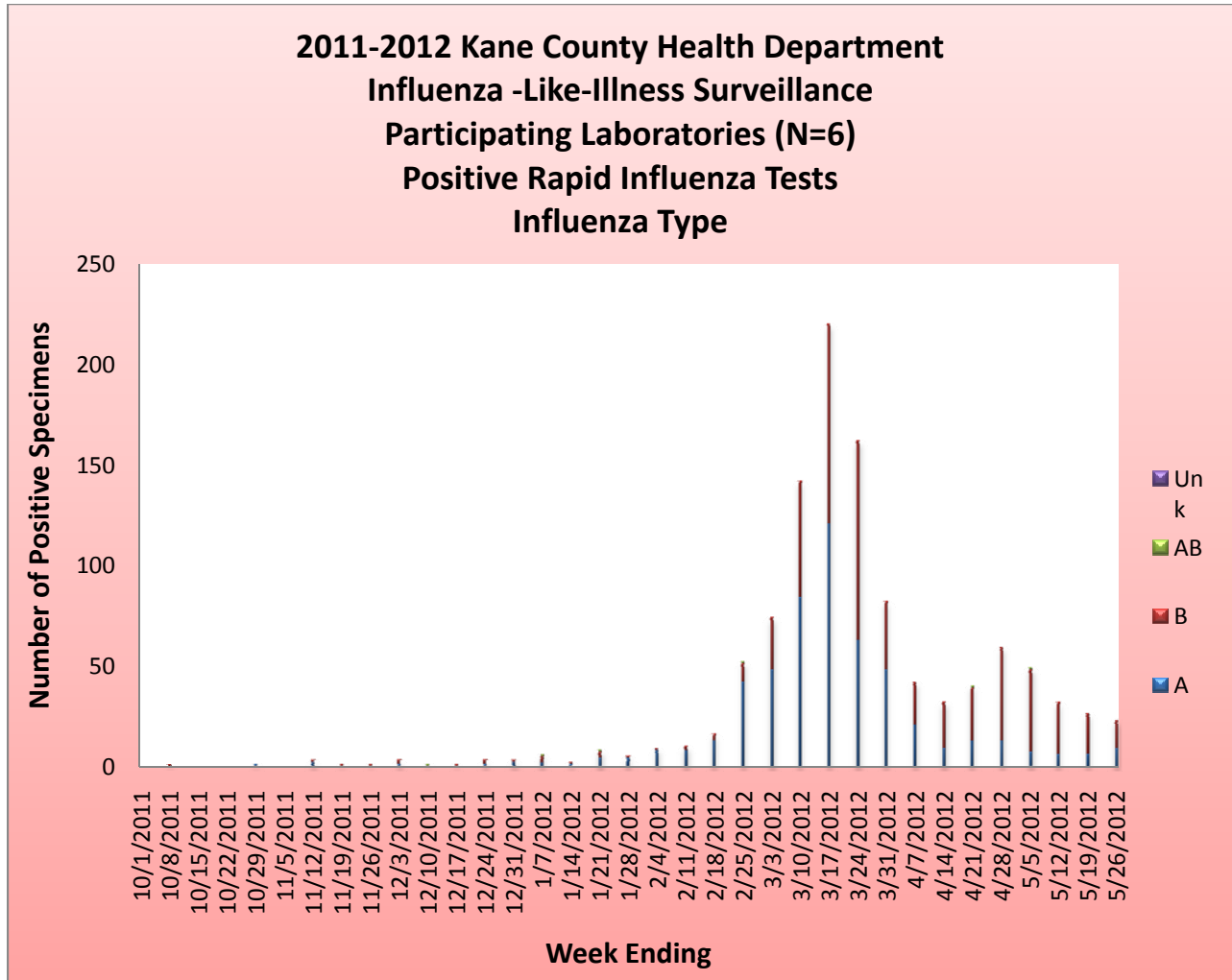
ICU Admissions Case Count		#
Total cases		3
Total deaths		0
Incidence by Age(yrs)		#
0-11 Months		1
1-4 Years		1
5-18 Years		0
19-65Years		0
65+Years		1
Incidence by Region		#
North		1
Mid		1
South		1

Laboratory Surveillance

Each week the six laboratories in the county reported data on rapid influenza testing done in their facilities during the influenza surveillance season. The total number of respiratory specimens that tested positive for influenza peaked during week ending 03/17/2012. The percent positivity also peaked during week ending 03/17/2012. Overall, of the 7,641 tests done at the six labs in Kane County, 1,109 (14.5%) were positive for influenza. The maximum was 30.8% during the week ending 3/17/2012.

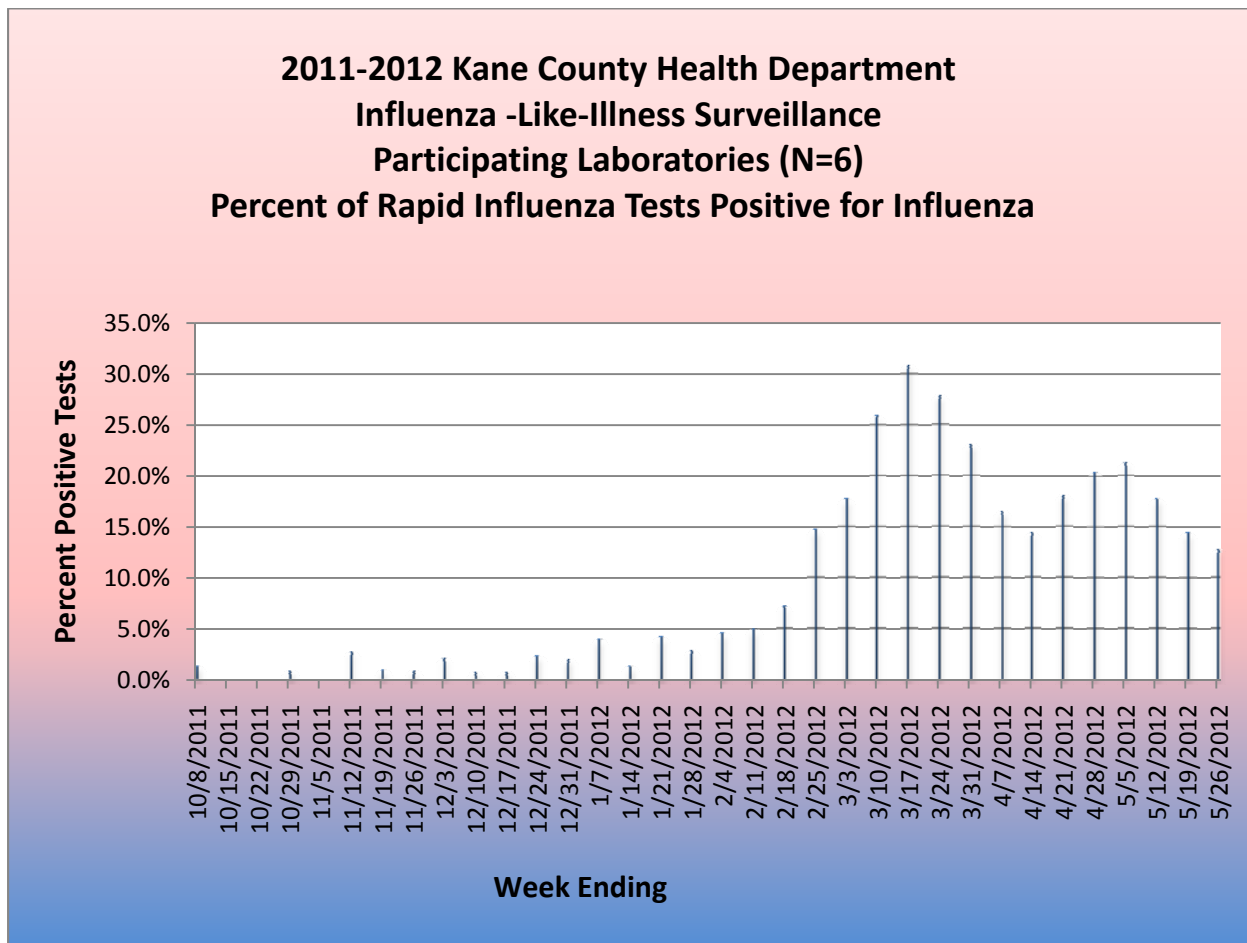


Of the 1,109 specimens tested positive during 2011-2012 influenza season, 537 (48.4%) were positive for Influenza type A, 566 (51.04%) were positive for influenza type B and 6 (0.54%) positive for Type AB.



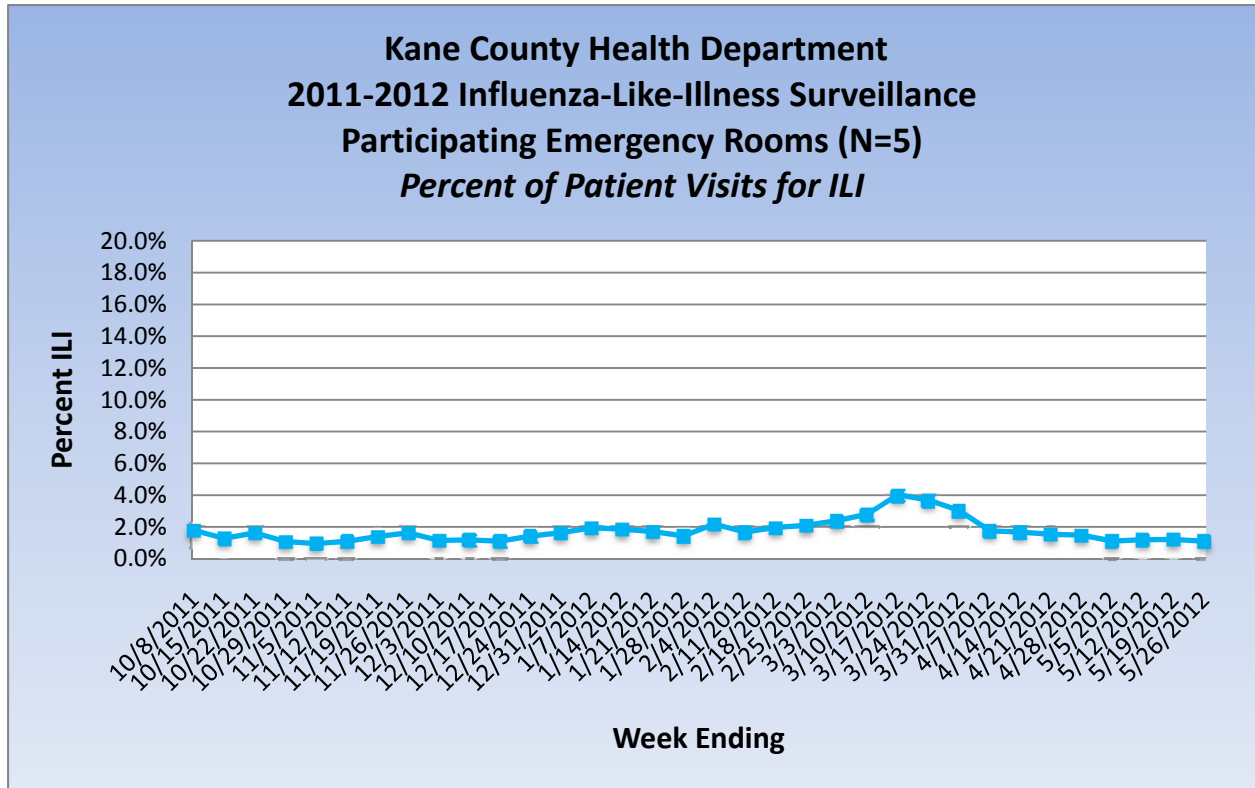
**Laboratory Influenza Type Results
Kane County, 2011-2012 Influenza Season**

Kane County Labs (6)	Annual	
	Number	Percent
Specimens tested	7641	
Specimens positive	1109	14.5%
Positive specimens by type		
Influenza A	537	48.4%
Influenza B	566	51.0%
Influenza AB	6	0.5%
Influenza type unknown	0	0.0%

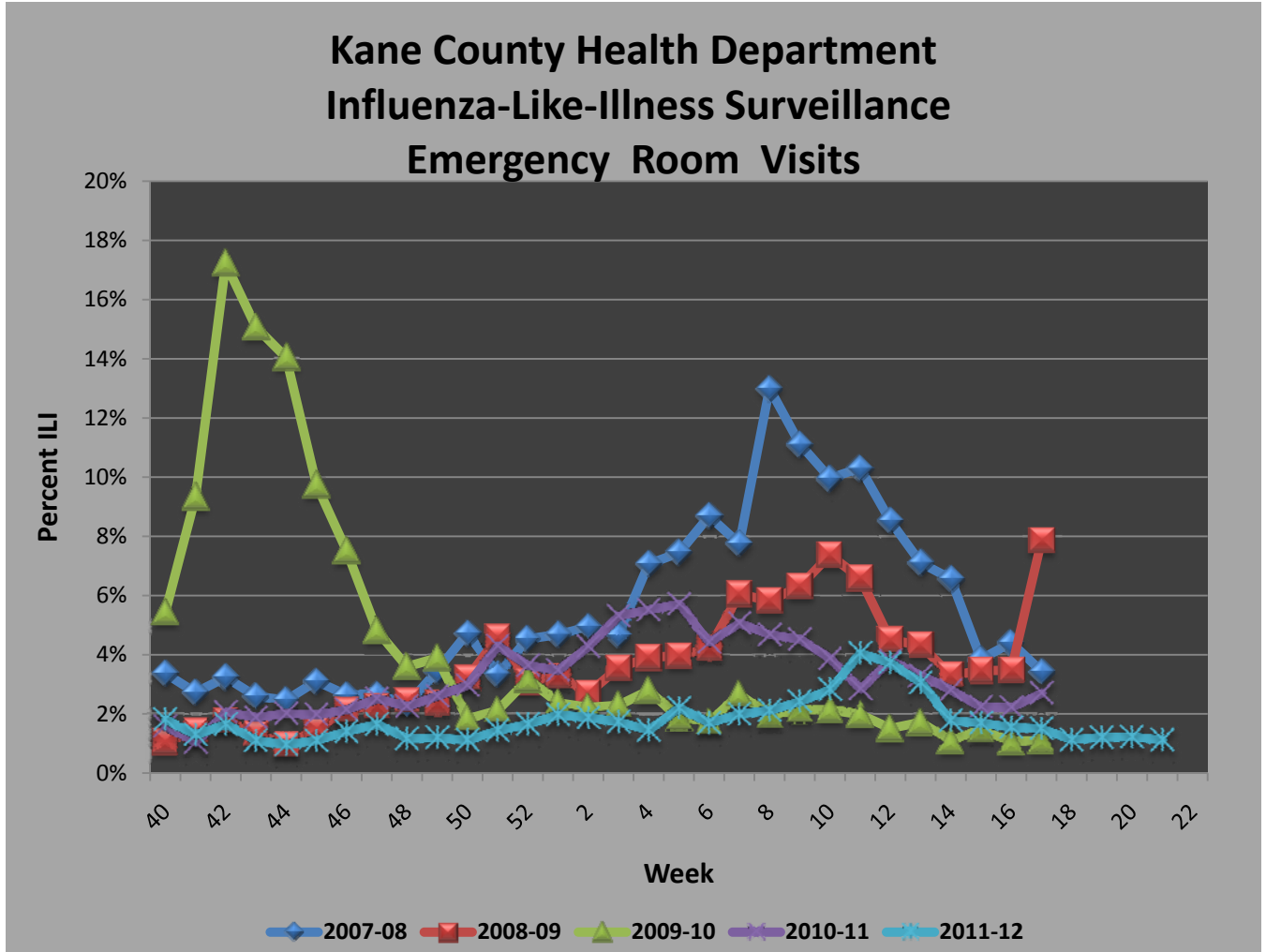


Influenza-Like Illness (ILI) Emergency Room Surveillance

The report indicates that influenza activity began to increase during the week of 2/15/2012. The peak percent of ILI visits to Emergency Rooms was during the week ending 3/17/2012. The magnitude of the peak on 3/17/2012 was 4.02% and occurred later than previous year's peak.



Kane County Health Department ILI Surveillance data for the previous 5 flu seasons. This graph shows that the 2011-2012 influenza season was milder than the past four seasons. It also peaked late compared to previous seasons. This year influenza peaked at week 11 (week ending 3/17/2012).



Long-Term Care Facilities (LTCF) Influenza Outbreaks

Long-Term Care Facilities are requested to report outbreaks of influenza or ILI. There were no reports of outbreaks reported during the 2011/2012 influenza season.

Special thanks to the Kane County Health Department Communicable Disease and Community Health Resources program for compiling the information and data for this report. Thanks to our reporters at the schools, hospitals, long term care facilities and laboratories who contributed data each week.