

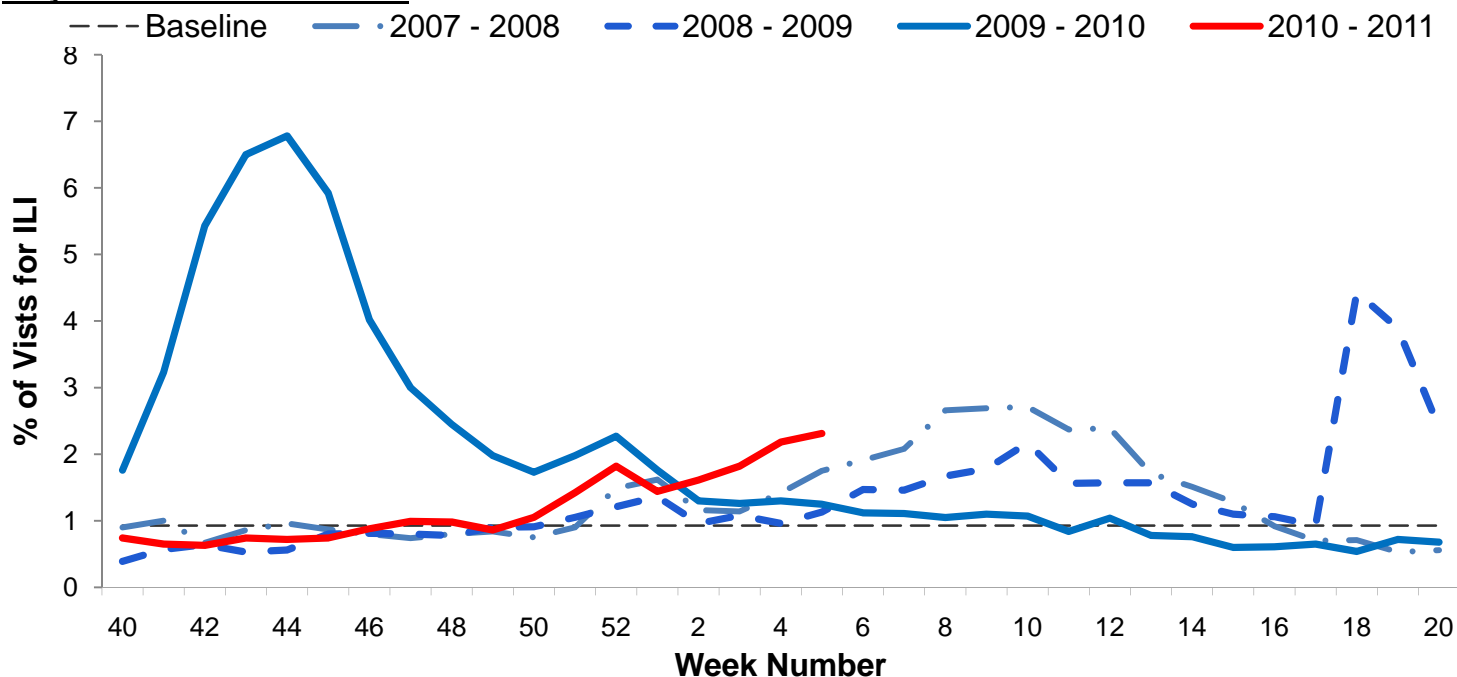


**Influenza Surveillance Report
Week 5: Jan 30th – Feb 5th, 2011**

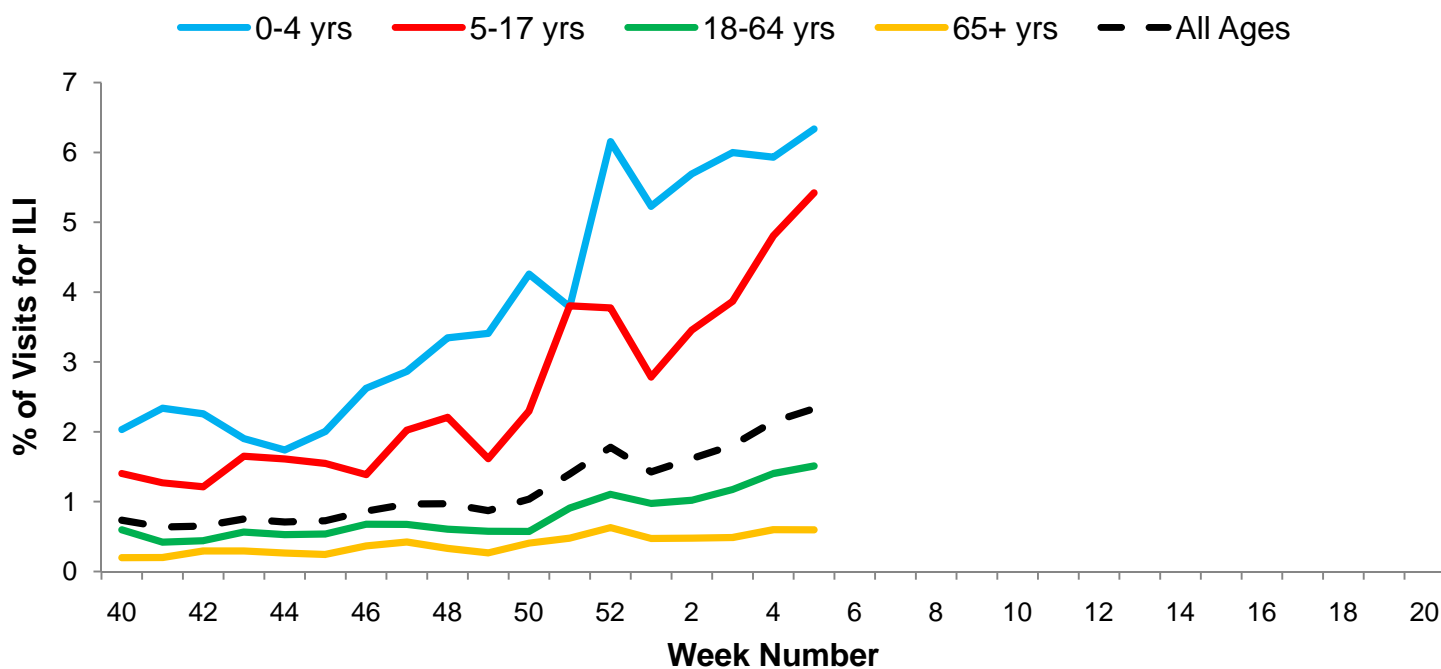
I. Influenza Summary to Date

Influenza surveillance for suburban Cook County** involves the weekly collection of data from a sample of hospitals, private physician's offices, and laboratory data. The current level of influenza activity is high. Our sentinel participants reported the following aggregate measures: Syndromic Surveillance: 2.31% ILI¹, Sentinel Sites: 9.15% ILI². One hundred eighty-six (30.95%) specimens tested by participating laboratories were positive for influenza (148 influenza A and 38 influenza B). Of the subtyped influenza A isolates, eighty (55.2%) were H3N2 and sixty-five (44.8%) were H1N1. Since October 3rd, 2010 (week 40), suburban Cook County has had 28 reported cases of influenza-associated intensive care unit (ICU) hospitalizations. During week 5, 4 ICU hospitalizations due to influenza infection were reported to CCDPH. Thank you to all of our surveillance partners for their help in collecting this information.

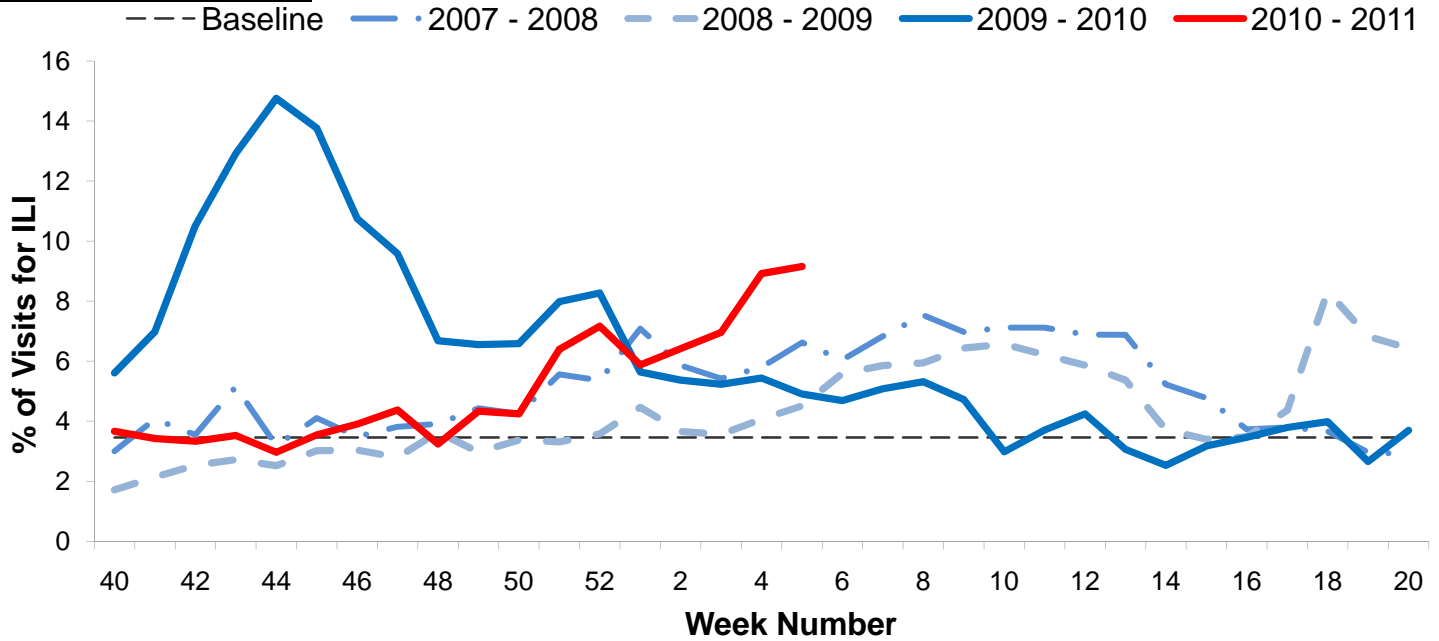
II. Syndromic Surveillance Data¹



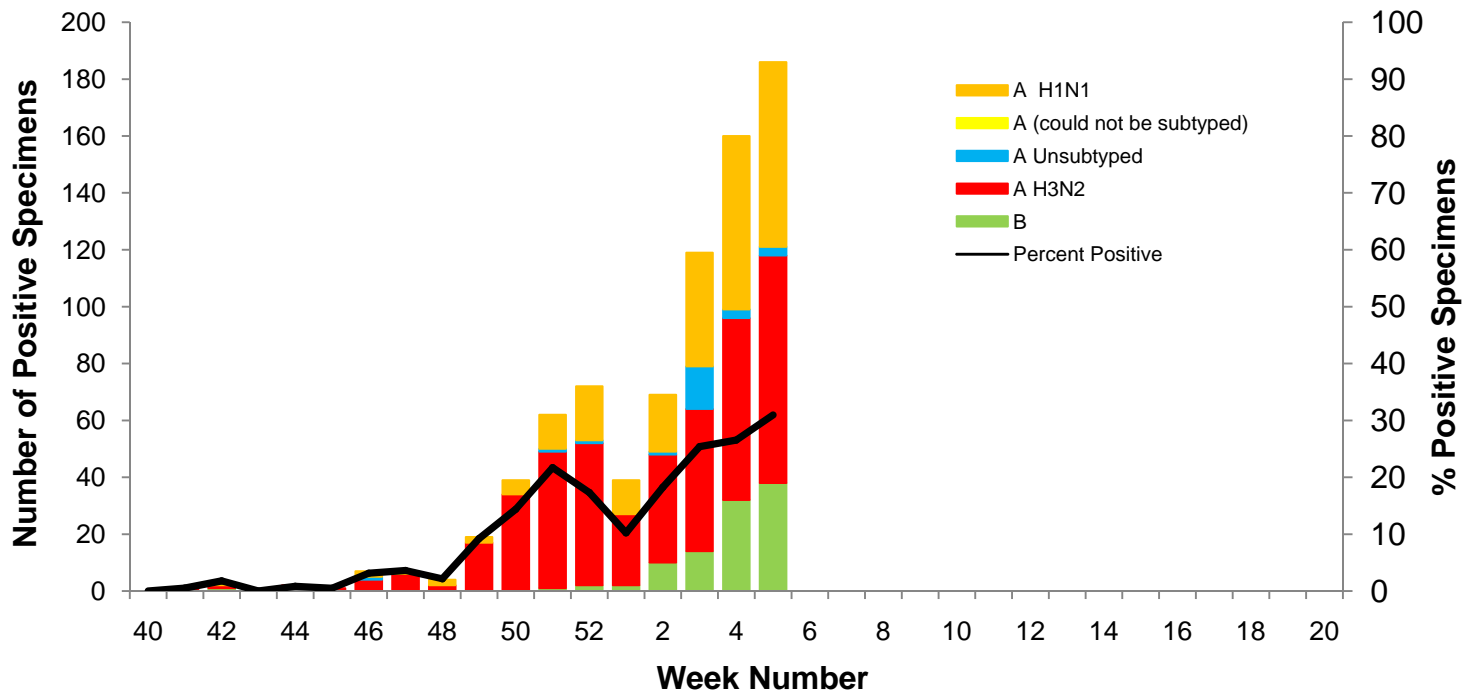
III. Syndromic Surveillance by Age Group Data¹



IV. Sentinel Provider Data²

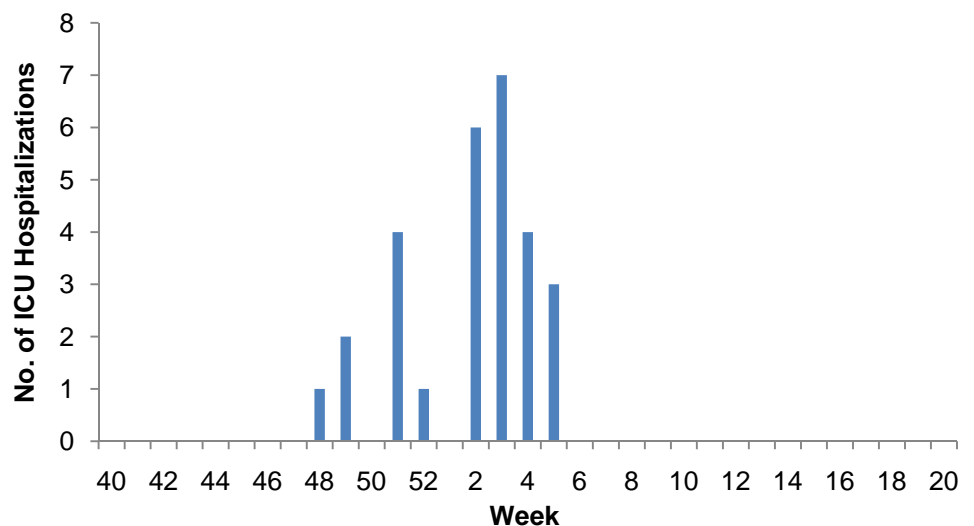


V. Laboratory Surveillance Data³

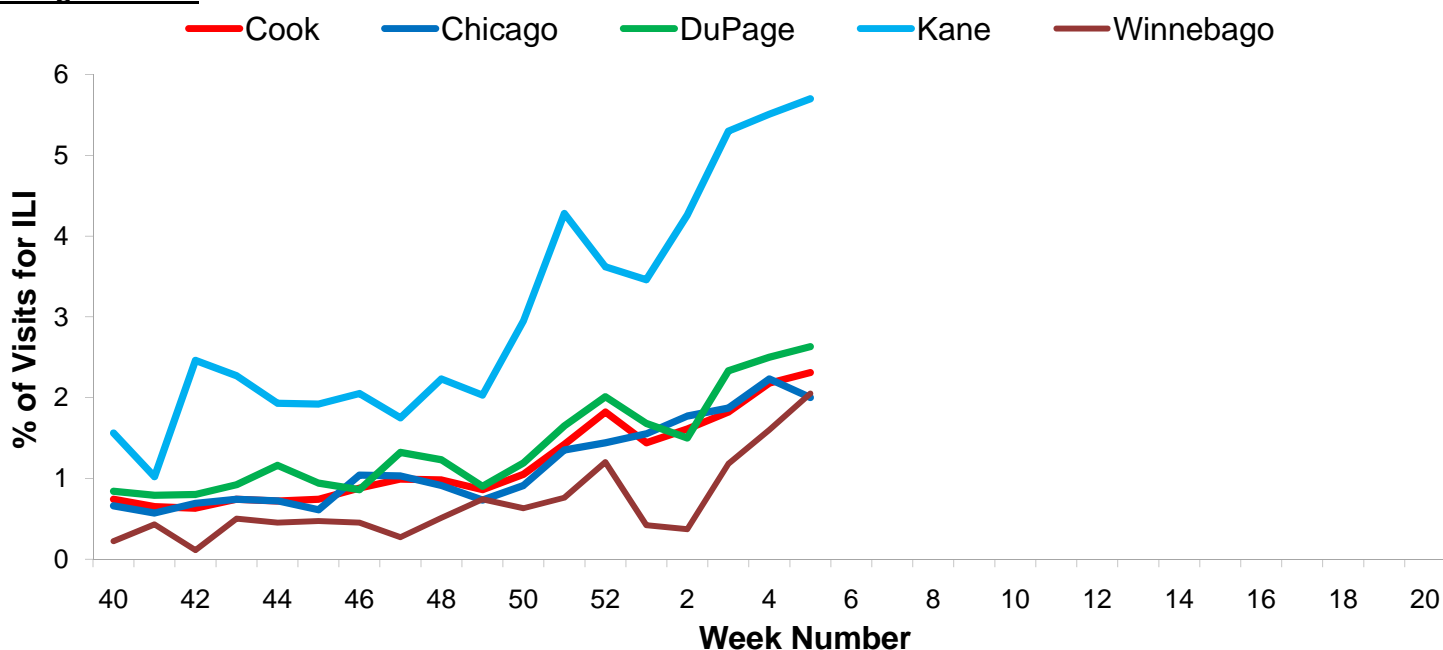


VI. ICU Hospitalization Data⁴

Hospitalized Case Counts		#
Total Cases		28
Incidence by Age		#
0-4		2
5-24		2
25-49		6
50-64		8
65+		9
Unknown		1
Incidence by Region		#
North		15
West		4
Southwest		2
South		7



VII. Regional Data



(All data are preliminary and may change as more reports are received.)

For further information about influenza activity see: [City of Chicago Surveillance Report](#), [IDPH Surveillance Report](#), [CDC Surveillance Report](#), [Distribute National Surveillance](#).

1. Syndromic surveillance influenza-like-illness (ILI) syndrome is defined as a symptom complex fever and cough or sore throat from ESSENCE. 32 hospital EDs participate in ESSENCE. $ILI = \# \text{ of ED visits for ILI} / \text{total} \# \text{ of ED visits}$.
2. ILI is defined as fever $\geq 100^{\circ}F$, cough and/or sore throat in the absence of a known cause other than influenza. 5 hospital EDs and 8 physician offices are participating CDC sentinel sites.
3. Laboratory surveillance includes viral culture, RT-PCR, and the rapid antigen test. Not all cases are suburban Cook County Residents. Participating laboratories: IDPH, NSUHS, and ACL.
4. ICU hospitalization data are only for suburban Cook County residents (excludes Evanston, Skokie, Oak Park, and Stickney). Data includes reported cases for the presented week.
5. <http://www.cdc.gov/flu/weekly/index.htm>

† **No activity:** no laboratory confirmed cases of influenza and no reported increase in cases of ILI.

Sporadic: small number of laboratory confirmed influenza cases or a single laboratory confirmed influenza in a single region of the state.

Local: Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in a single region of the state.

Regional: Outbreaks of influenza or increases in ILI and recent laboratory confirmed influenza in at least two but less than half the region of the state.

Widespread: Outbreaks of influenza or increases in ILI cases and recent laboratory confirmed influenza in at least half the region in the state.