Department of Public Health Cook County Health & Hospitals System

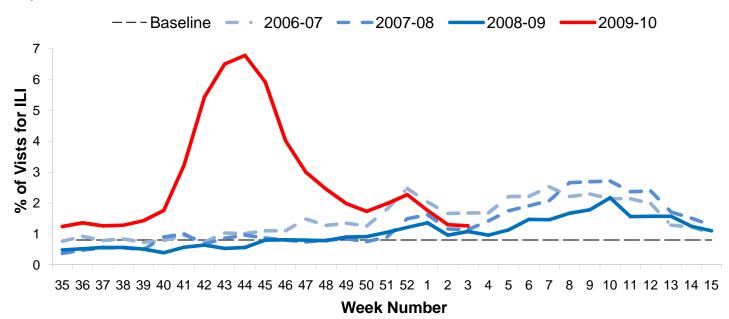
Influenza Surveillance Report Week 3: January 17th – 23rd, 2010

I. Influenza Summary to Date

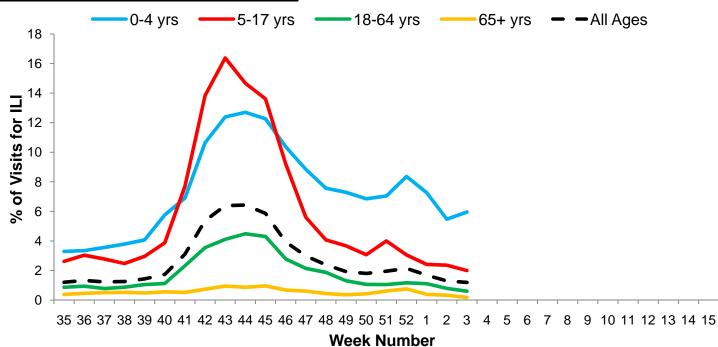
Cook County

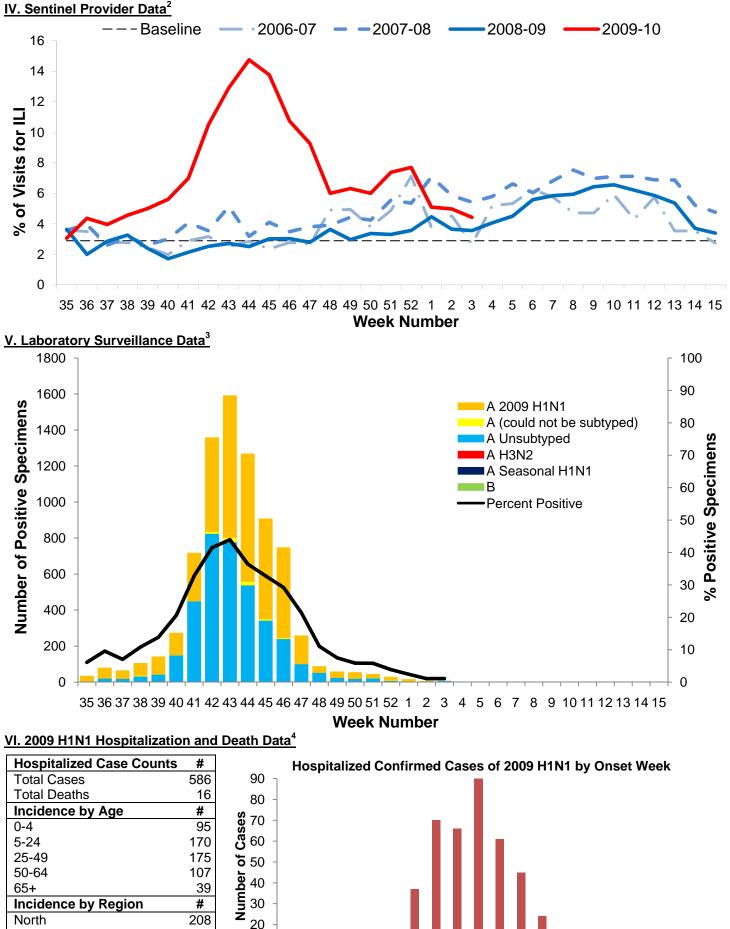
Influenza surveillance for suburban Cook County** involves the weekly collection of data from a sample of hospitals, private physician's offices, and laboratory data. Our sentinel participants reported the following aggregate measures: Syndromic Surveillance: 1.26% ILI¹, Sentinel Sites: 4.43% ILI². Five (1.12%) specimens tested by participating laboratories³ were positive for influenza, of which 100% of sub-typed influenza A viruses were 2009 H1N1. The current level of influenza activity is typical for this time of year. To date, suburban Cook County has had 586 hospitalized cases of confirmed 2009 H1N1, 16 2009 H1N1 deaths (14 adults, 2 pediatric), and 1 pediatric influenza A (unsubtyped) death. During weeks 2 and 3, two 2009 H1N1 hospitalizations were reported to CCDPH. Thank you to all of our surveillance partners for their help in collecting this information.

II. Syndromic Surveillance Data¹









35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 1 Week Number

2 3

West 154

Southwest

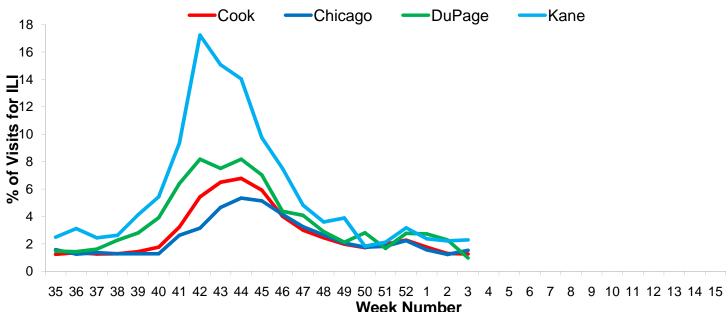
South

10

0

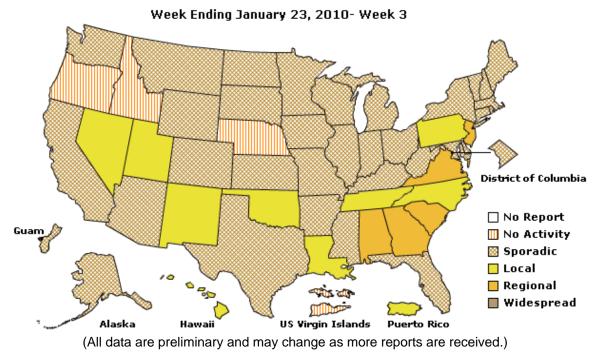
84 138

VII. Regional Data



VIII. Illinois and U.S. Data^{5†}

A Weekly Influenza Surveillance Report Prepared by the Influenza Division Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*



For further information about influenza activity see: <u>City of Chicago Surveillance Report</u>, <u>IDPH Surveillance Report</u>, <u>CDC Surveillance Report</u>, <u>Distribute National Surveillance</u>.

- 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 = # of ED visits for ILI / total # of ED visits.
- ILI is defined as fever ≥ 100°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.
- 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. Hospitalization and death 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.