Influenza Surveillance Report
Week 48: November 29th – December 5th, 2009

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. Our sentinel participants reported the following aggregate measures: Syndromic Surveillance: 2.45% ILI¹, Sentinel Sites: 6.47% ILI². 86 (11.07%) specimens tested by participating laboratories³ were positive for influenza, of which 100% of sub-typed influenza A viruses were 2009 H1N1. This is the fourth consecutive week that influenza activity has decreased, and the activity level has continued to decreased across all data sources. To date, suburban Cook County has had 514 hospitalized cases of confirmed 2009 H1N1, 13 2009 H1N1 deaths, and 1 pediatric influenza death. During weeks 47 and 48, twenty-one 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 Data

III. Syndromic Surveillance by Age Group Data

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*Influenza*
IV. Sentinel Provider Data

V. Laboratory Surveillance Data

VI. 2009 H1N1 Hospitalization and Death Data
VII. Regional Data

- Cook
- Chicago
- DuPage
- Kane

VIII. Illinois and U.S. Data


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.
2. ILI is defined as fever $\geq$ 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.
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. 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.

† 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.