Influenza Surveillance Report
Week 14: March 30th –April 5th, 2014

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. Influenza activity is currently low. Our sentinel participants reported the following aggregate measures: Syndromic Surveillance: 1.05% ILI1, Sentinel Sites: 2.28% ILI2. 34 (9.44%) specimens tested positive for influenza (5 influenza A unknown subtype [subtyping not performed], 1 influenza A H1N1, and 28 influenza B). Since Week 35 (8/25/2013), suburban Cook County has had 189 cases of influenza-associated intensive care unit (ICU) hospitalizations. During week 14, 1 ICU hospitalization due to influenza infection was 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 Data

Week Number

Number of Positive Specimens

Incidence by Region

Incidence by Age

V. Laboratory Surveillance Data

Week Number

% of Visits for ILI

Week Number

% Positive Specimens

VI. ICU Hospitalization Data

Week Number

No. of ICU Hospitalizations

Incidence by Region

Incidence by Age

Hospitalized Case Counts

Total Cases 189

No. of ICU Hospitalizations

Hospitalized Case Counts

#
VII. Regional Data

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


1. Syndromic surveillance influenza-like-illness (ILI) syndrome is defined as a symptom complex fever and cough or sore throat from ESSENCE. 45 hospital EDs participate in ESSENCE. ILI = # of ED visits for ILI / total # of ED visits.
2. ILI is defined as fever ≥ 100°F, cough and/or sore throat in the absence of a known cause other than influenza. 8 hospital EDs and 3 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.

† This map uses the proportion of outpatient visits to health care providers for influenza-like illness to measure the ILI activity level within a state.