

Influenza Situation Report

2013-2014 Seasonal Influenza Week 4

(Jan 19- Jan 25, 2014)

Marion County Public Health Department, IN 2014-01-31, DR2166

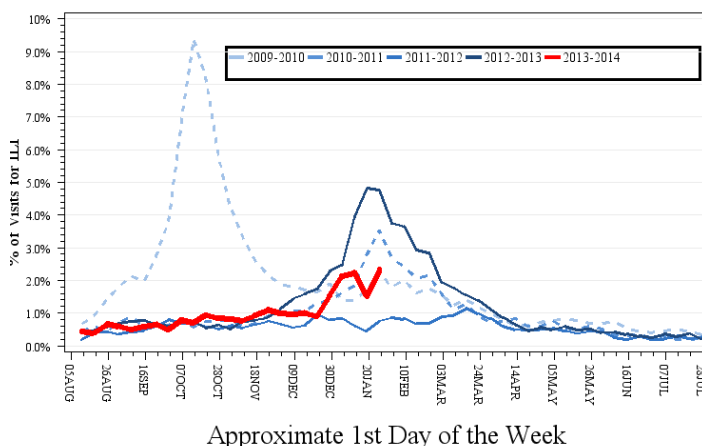
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Current Local Trends

- The percent of ED visits with a chief complaint of influenza-like illness (ILI) has increased to 2.32% of all ED visits. This is increased after a temporary decrease the prior week.
- Children between the ages of 5-17 had the highest percentage of age-specific ILI ED visits (3.4%). A change from the under 5 population that had seen the highest age-specific %ILI.
- There have been 3 additional influenza related death reported in Marion County during Week 4 for a total of 5 deaths through the reporting period.
- ISDH is reporting statewide 2.63% ILI in ED visit surveillance; 30 deaths associated with influenza have been reported by ISDH for this season.
- 99.9% of positive influenza lab specimens antigenically tested by CDC correspond to the four components in the quadrivalent seasonal influenza vaccine.
- The majority of circulating influenza nationally has tested as influenza A (98%). Of those positive influenza A samples that are subtyped, 93% are 2009 H1N1.

Emergency Department Visits for Influenza-Like Illness

Figure 1. Percent Influenza-like Illness of all Marion County Hospital ED Visits, Current Year and Previous Seasons



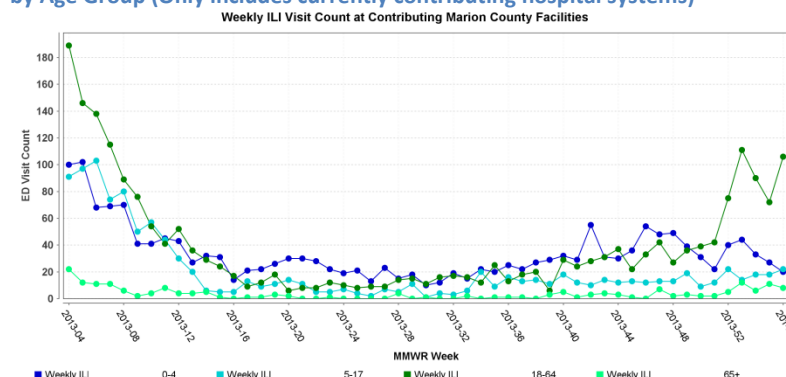
Last updated 25JAN2014 06:30

Data Source: ISDH Public Health Surveillance System, MCHD Epidemiology DR1202

Table 1. Age group specific percent of ILI ED Visits at Marion County Hospitals, by Age Group

Age Group (years)	Current Week % ILI	Previous 4 Week Average % ILI (Avg)
<5	3.2%	4.1%
5-17	3.4%	2.8%
18-64	2.3%	1.8%
65+	0.9%	0.8%
Unknown	0.0%	0.0%
Total	2.32%	

Figure 2. Weekly Count of ILI ED Visits for Marion County Hospitals, by Age Group (Only includes currently contributing hospital systems)



Data Source: ISDH Public Health Surveillance System, MCHD Epidemiology

Figure 1 represents the percent of all ED visits that were categorized as influenza-like illness. The percent ILI rebounded to 2.3% after a dip in week 3.

Children between the ages of 5 and 17 have the highest age-specific percentage of ILI ED visits for week 4. The under 5 population is on a decreasing trend and is lower than the rolling average.

ILI visit means that the patient reported fever with cough or sore throat, or used the word "flu" to describe either their symptoms or their reason for the ED visit.

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Indiana

http://www.in.gov/isdh/files/Weekly_Influenza_Report_Week_04_2013_2014.pdf

- Indiana is experiencing widespread and moderate influenza activity. For Week 4, ISDH reports 3.56% ILI at sentinel provider sites and 2.63% ILI ED visits. Both of these observations are an increase over the previous week..
- Eleven additional deaths have been reported in Indiana (3 aged 25-49 years old, 4 aged 50-64, and 4 aged 65+), bringing the total mortalities to 30.
- 98% of influenza positive laboratory samples at the state lab have tested positive for the 2009 A/H1N1 pandemic variant.

National

<http://www.cdc.gov/flu/weekly/>

- During Week 4, 38 states (including Indiana) are reporting widespread influenza activity by state and territorial epidemiologists. In addition, during week 4, 3.3% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). This is a slight decrease from the previous week (Week 3=3.4%). The average annual national rate is 2.0%.
- The seasonal vaccine continues to be a good match to circulating virus. With 99.9% of positive influenza samples matching the vaccine component.
- CDC reports 9 confirmed influenza pediatric deaths for Week 4, increasing the season mortality to 37. CDC does not report adult influenza deaths, however, the percent of all mortality associated with pneumonia and influenza has increased to 8.8%; this is above the epidemic threshold of 7.3% for week 4.
- Nationally, hospitalizations are occurring in greater percentages in patients 18-64. Elderly patients 65 and older still represent the highest rate of hospitalizations, however, represent a smaller proportion of influenza hospitalized cases. 61% of hospitalized patients are between 18-64 years old.

