

Influenza Situation Report

2013-2014 Seasonal Influenza Week 8

(Feb 16- Feb 22, 2014)

Marion County Public Health Department, IN 2014-02-14, DR2166

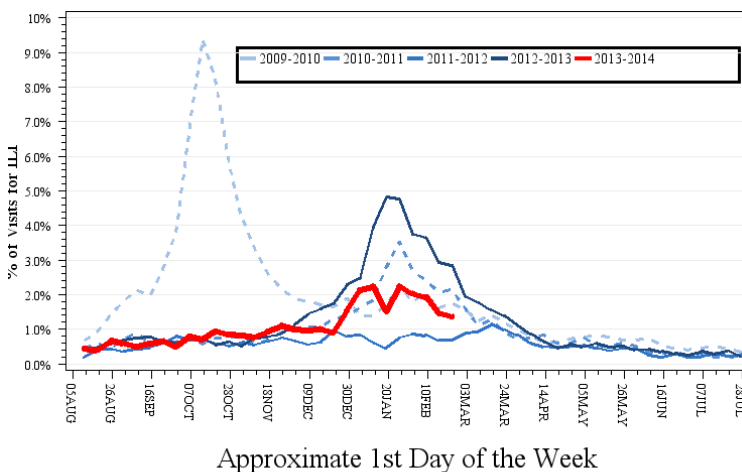
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Current Local Trends

- The percent of ED visits with a chief complaint of influenza-like illness (ILI) has decreased to 1.47% of all ED visits; this continues the decreasing trend.
- Nationally, the majority of states are now reporting low to minimal (including IN) influenza activity.
- Children under the age of 5 have the highest age-specific percent ILI (3.6%)/ The 5-17 year olds have seen a significant decreased in percent ILI this week.
- There has been 1 additional influenza related death reported in Marion County during Week 8 for a total of 9 deaths through the reporting period.
- ISDH is reporting statewide 1.40% ILI in ED visit surveillance (a slight decrease from last week); 53 deaths associated with influenza have been reported by ISDH for this season.
- Influenza 2013-14 influenza vaccine effectiveness is 61%.
- The majority of circulating influenza nationally has tested as influenza A (83%), influenza B is increasing in proportion of positive tests (17%).

Emergency Department Visits for Influenza-Like Illness

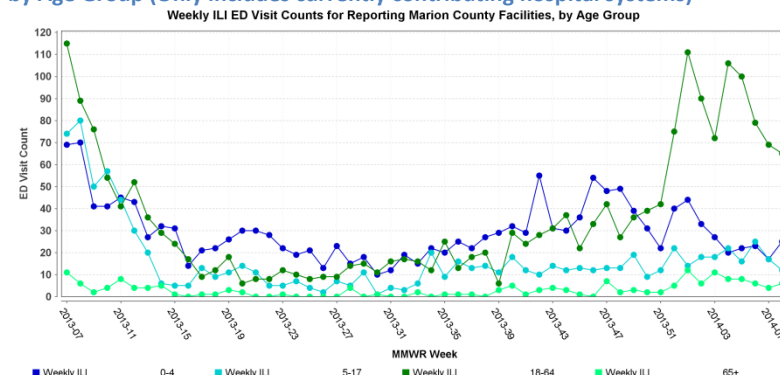
Figure 1. Percent Influenza-like Illness of all Marion County Hospital ED Visits, Current Year and Previous Seasons



Last updated 22FEB2014 06:3

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

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

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	3.6%	3.4%
5-17	1.5%	3.0%
18-64	1.3%	1.9%
65+	0.7%	0.8%
Unknown	0.0%	0.0%
Total	1.47%	

Figure 1 represents the percent of all ED visits that were categorized as influenza-like illness. The percent ILI is at 1.47% (about a 7% decrease from last week) and is showing a decreasing trend.

Pediatric age groups are still experiencing higher percent ILI than the adult populations but the percent is much lower this week compared to previous weeks this season. The 5-17 year old age group is showing significant decreases.

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_08_2013_2014.pdf

- Indiana is experiencing regional but minimal influenza activity. For Week 8, ISDH reports 1.49% ILI at sentinel provider sites and 1.40% ILI ED visits. This is a slight increase for sentinel provider sites, but a decrease in ED visits.
- Eight additional deaths have been reported in Indiana (3 aged 25-49, 2 aged 50-64 and 3 aged 65+), bringing the total mortalities to 53.
- 98% of influenza positive laboratory samples at the state lab have tested positive for the 2009 A/H1N1 pandemic variant. There have been 4 positive A-H3N2 and 1 Influenza B positive test.

National

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

- During Week 8, the majority of states (including Indiana) are reporting regional influenza activity by state and territorial epidemiologists. In addition, during week 8, 2.3% 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 decrease from the previous week (Week 7=2.5%). The average annual national rate is 2.0%.
- The seasonal vaccine continues to be a good match to circulating virus and interim vaccine effectiveness is estimated to be 61%: http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6307a1.htm?s_cid=mm6307a1_w
- CDC reports 9 confirmed influenza pediatric deaths for Week 8, increasing the season mortality to 61. CDC does not report adult influenza deaths, however, the percent of all mortality associated with pneumonia and influenza has increased to 7.6%; this is above the epidemic threshold of 7.4% for week 8 but a decrease from the previous week.
- 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.

