

Influenza Situation Report

2013-2014 Seasonal Influenza Week 10

(Mar 2 – Mar 8, 2014)

Marion County Public Health Department, IN 2014-03-14, DR2166

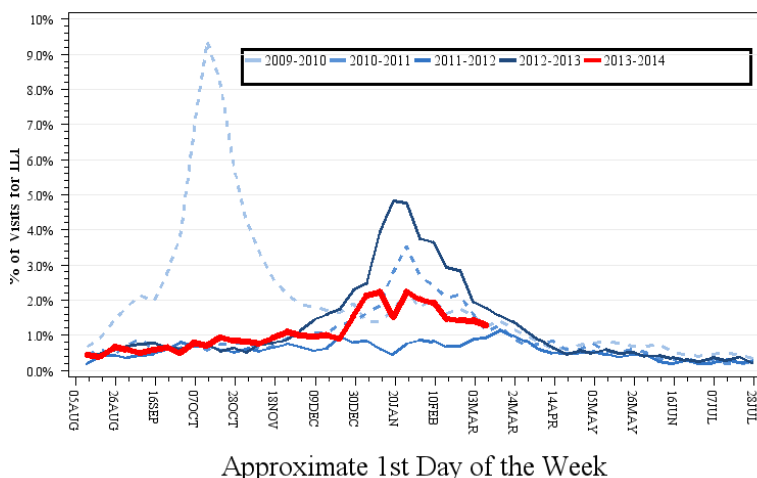
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Current Local Trends

- The percent of ED visits with a chief complaint of influenza-like illness (ILI) has decreased to 1.27% of all ED visits; this continues the decreasing trend.
- Children under the age of 5 have the highest age-specific percent ILI (2.1%). This is the same as the previous week.
- There have been no additional influenza related deaths reported in Marion County during Week 10; there are a total of 11 deaths through the reporting period.
- ISDH is reporting statewide 1.26% ILI in ED visit surveillance (a decrease from last week); 58 deaths associated with influenza have been reported by ISDH for this season.
- Influenza 2013-14 influenza vaccine effectiveness is 61%.
- During week 10, the national shift from Influenza A to B continues with 32% of positive influenza samples testing as Influenza B.

Emergency Department Visits for Influenza-Like Illness

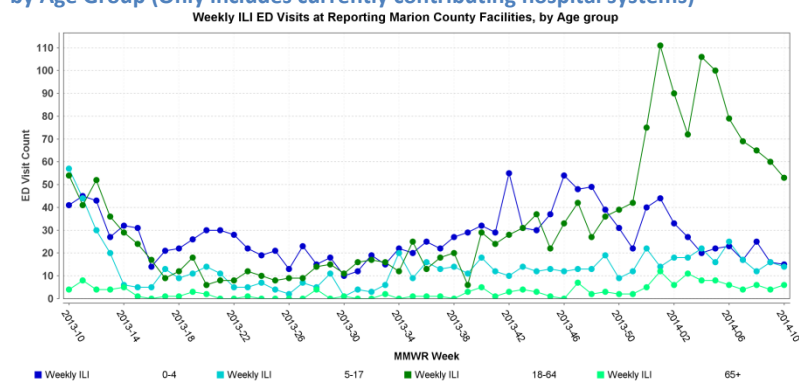
Figure 1. Percent Influenza-like Illness of all Marion County Hospital ED Visits, Current Year and Previous Seasons



Last updated 08MAR2014 06:30

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	2.1%	3.1%
5-17	1.9%	2.4%
18-64	1.2%	1.4%
65+	0.7%	0.6%
Unknown	0.0%	0.0%
Total	1.27%	

Figure 1 represents the percent of all ED visits that were categorized as influenza-like illness. The percent ILI is at 1.27% (about a 5% decrease from last week) and is continuing 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.

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_10_2013_2014.pdf

- Indiana is experiencing sporadic, minimal influenza activity. For Week 10, ISDH reports 1.32% ILI at sentinel provider sites and 1.26% ILI ED visits. This is a decrease in both markers from last week.
- One additional death has been reported in Indiana (aged 50-64), bringing the total mortalities to 58.
- 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 3 Influenza B positive test.

National

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

- During Week 10, the majority of states are reporting local influenza activity by state and territorial epidemiologists; Indiana is reporting sporadic activity. In addition, during week 10, 2.0% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). This is the same as the previous week (Week 9=2.0%) and equal to the national baseline.
- 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 3 confirmed influenza pediatric deaths for Week 10, increasing the season mortality to 68. CDC does not report adult influenza deaths, however, the percent of all mortality associated with pneumonia and influenza has decreased to 6.9%; this is *below* the epidemic threshold of 7.4% for week 10 and a significant 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.

