Influenza Situation Report
2013-2014 Seasonal Influenza Week 2
(Jan 4- Jan 11, 2014)

Marion County Public Health Department, IN 2014-01-17, DR2166

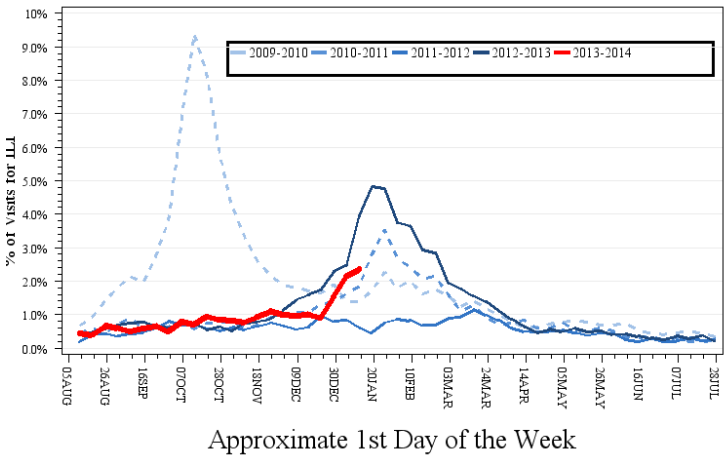
Please send comments or suggestions about content to epidemiology@hhcorp.org.

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 a slight increase over Week 1.
- Children under the age of 5 have the highest percentage of age-specific ILI ED visits (5.2%).
- There has been one influenza related death reported in Marion County.
- ISDH is reporting statewide 2.83% ILI in ED visit surveillance. Eleven (11) 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 (97.8%). Of those positive influenza A samples that are subtyped, 97% are 2009 H1N1.

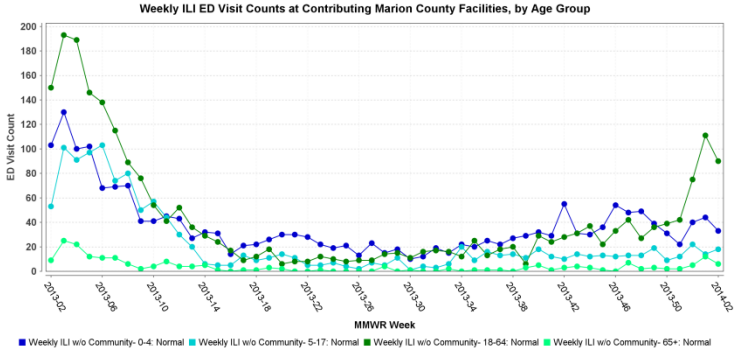
Emergency Department Visits for Influenza-Like Illness

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



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

	Current Week	Previous 4 Week Average
Age Group (years)	% ILI	% ILI (Avg)
<5	5.2%	3.3%
5-17	4.2%	1.8%
18-64	2.1%	1.3%
65+	0.7%	0.4%
Unknown	0.0%	0.0%
Total	2.3%	

Figure 1 represents the percent of all ED visits that were categorized as influenza-like illness. The increasing trend has slowed and is just 2.3% greater than the percent seen in Week 1.

Patients between the ages of 18 and 64 represent the greatest number of visits for ILI in Week 1. However, children under the age of 5 have the highest age-specific percentage of ILI ED visits.

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_01_2013_2014.pdf

- Indiana is experiencing widespread and moderate influenza activity. For Week 2, ISDH reports % ILI at sentinel provider sites and 2.83% ILI ED visits. Both of these observations are a slight decrease from prior week.
- Eight additional deaths have been reported in Indiana (3 aged 25-49 years old, 4 aged 50-64, and 1 aged 65+), bringing the total mortalities to 11.
- 99% 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 2, 40 states (including Indiana) are reporting widespread influenza activity by state and territorial epidemiologists. In addition, during week 2, 3.6% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). The average annual national rate is 2.0%.
- The seasonal vaccine remains to be a good match to circulating virus. With 99.9% of positive influenza samples matching the vaccine component.
- CDC reports 10 confirmed influenza pediatric deaths for Week 2, increasing the season mortality to 20. CDC does not report adult influenza deaths, however, the percent of all mortality associated with pneumonia and influenza has increased to 7.5%; this is above the epidemic threshold of 7.2% for week 2
- 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.