

Influenza Situation Report

2013-2014 Seasonal Influenza Week 1

(Dec 29, 2013- Jan, 4 2014)

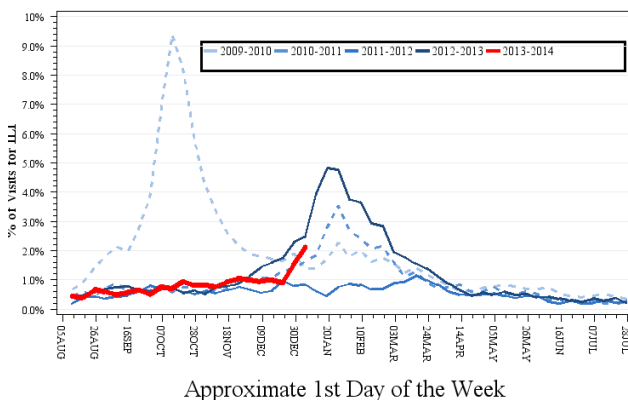
Marion County Public Health Department, IN 2014-01-10, DR2166
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Current Local Trends

- The percent of ED visits with a chief complaint of influenza-like illness (ILI) has increased to 2.24% of all ED visits (213 visits for week ending Jan 4, 2014). This is a preliminary count, due to missing data from three hospitals from Jan 1 until present, and will increase when the data becomes available. The percent ILI for Week 1 should not change dramatically.
- Children under the age of 5 have the highest percentage of age-specific ILI ED visits (3.9%).
- ISDH is reporting statewide 4.17% ILI at sentinel surveillance sites for week. Three deaths associated with influenza has been reported by ISDH for this season.
- All 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 pandemic H1N1 strain (55% of all positive influenza samples tested).

Emergency Department Visits for Influenza-Like Illness

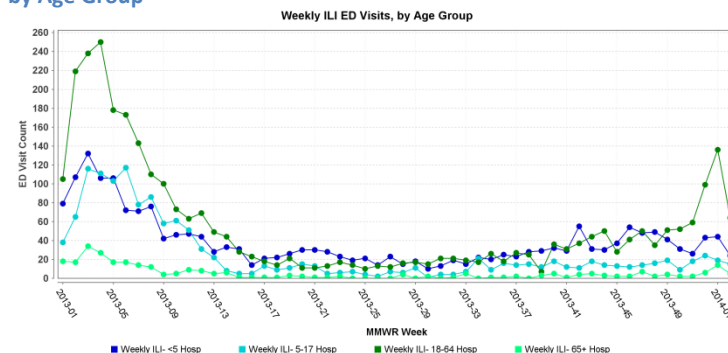
Figure 1. Percent Influenza-like Illness of all Marion County Hospital ED Visits, Current Year and Previous Seasons



Last updated 04JAN2014 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



Data Source: ISDH Public Health Surveillance System, MCHD Epidemiology

Table 1. Count and Percent of ILI ED Visits at Marion County Hospitals, by Age Group

Age Group (years)	Current Week		Previous 4 Week Average	
	Count of ILI	% ILI	Count of ILI (Avg)	% ILI (Avg)
<5	44	3.9%	35	3.2%
5-17	19	2.5%	18	1.6%
18-64	136	2.1%	65	0.9%
65+	14	1.1%	4	0.2%
Unknown	0	0.0%	0	0.0%
Total	213	2.24%		

Figure 1 represents the percent of all ED visits that were categorized as influenza-like illness. As described in the graph, the percent of ILI is similar to that seen at this time last year, and increasing.

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. Again, the overall counts illustrated in the table and graph are lower than actual values due to a data error and will be updated as soon as possible.

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 high influenza activity. For Week 1, ISDH reports 4.17% ILI at sentinel provider sites. ISDH did not report percent ILI for ED sites.
- Two additional deaths have been reported in Indiana (aged 25-49 years old), bringing total mortalities to 3.
- All 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 1, 35 states (including Indiana) are reporting widespread influenza activity by state and territorial epidemiologists. In addition, during week 1, 4.4% 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 100% of positive influenza samples matching the vaccine component.
- CDC reports 4 confirmed influenza pediatric deaths for Week 1, increasing the season mortality to 10. CDC does not report adult influenza deaths, however, the percent of all mortality associated with pneumonia and influenza has increased to 6.9%; this is still below the epidemic threshold of 7.1% for week 1.

