

Influenza Situation Report

1/6/13-1/12/13 (Week 2)

Marion County Public Health Department, IN 2013-01-18, 11AM DR1883

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

Links to Immunization Clinics

Free public influenza vaccine on 1/18/13 between 1PM-5PM at 4012 N Rural St and at all District Health Offices during [Nurse of the Day Hours](#)

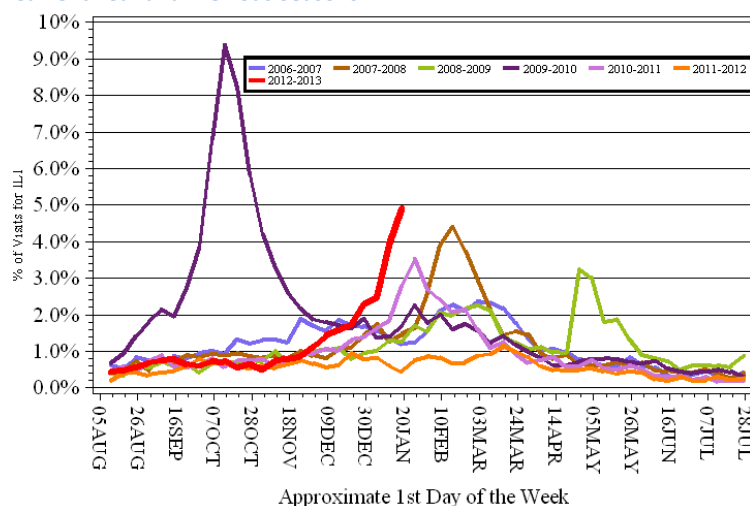
[Private Pharmacy Clinics](#)

Current Local Trends

- So far this week (Week 3), there have been 73 ILI visits on Sunday, Jan 13; 62 on Monday, Jan 14; 75 on Tuesday, Jan 15; 85 on Wednesday, Jan 16; 83 on Thursday, Jan 17 (378 running total ILI for Week 3- 5.11% of 7,404 ED visits).
- Week 2 had 403 ILI ED visits (3.9% of all ED visits) compared to 238 visits in Week 1 (2.2% ILI). This corrects a previous data error for Week 2.

Emergency Department Visits for Influenza-Like Illness

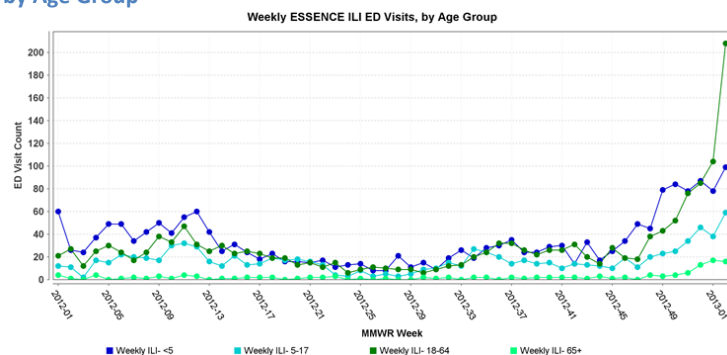
Figure 1. Percent Influenza-like Illness of all Marion County Hospital ED Visits, Current Year and Previous Seasons



Last updated 18JAN2013 08:00

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	105	8.0%	82	5.6%
5-17	64	5.9%	36	3.1%
18-64	217	3.4%	79	1.2%
65+	17	1.1%	10	0.7%
Unknown	0	0.0%	0	2.9%
Total	403	3.9%		

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 indicates a flu season that has begun several weeks early. However, current ILI activity remains below peak levels seen with pandemic H1N1.

Patients between the ages of 18 and 64 represent the greatest number of visits for ILI in Week 2. 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.

Marion County

- ILI comprised 3.9% of all ED visits in Marion County Hospitals (403 ILI visits out of 10,396 total visits) for the week of Jan 6-Jan 12, 2013. This represents a 69% increase in visit counts from last week (238 ILI visits in Week 1).
- Percent ILI is significantly higher at Marion County Hospitals compared to the same week last year (65 ILI visits or 0.59% of all ED visits for Week 2 2012).
- Three influenza related deaths have been reported to MCHD this season (these deaths are not yet included in the official ISDH count).

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Indiana

[http://www.in.gov/isdh/files/Weekly_Influenza_Report_Week_02_2012_2013_\(2\).pdf](http://www.in.gov/isdh/files/Weekly_Influenza_Report_Week_02_2012_2013_(2).pdf)

- Indiana is experiencing widespread and moderate influenza activity. From 1/10-1/16/13, ISDH reports 4.2% ILI in ED surveillance and 4.07% from sentinel provider sites.
- Seventeen adult influenza deaths were reported for Week 2 bringing the total officially reported deaths to 27 (2 of those are pediatric deaths). The Marion County deaths are not included in this total.
- The predominant circulating virus is A/H3, 81% (21/26) of samples positive for influenza were of the A/H3 seasonal variant. ISDH also reports 1 co-infection of A/H3 and B.

National

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

- During Week 2 (Jan 6-Jan 12, 2013), 48 states (including Indiana) are reporting widespread influenza activity by state and territorial epidemiologists. In addition, during week 2, 4.6% 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 baseline is 2.2%. This is higher than what was reported for Week 1 (4.3%).
- The seasonal vaccine remains to be a good match to circulating virus. With 99.5% of H3N2 strains matching the vaccine component. The B vaccine component is less of a match (66.7%), but is also circulating much less.
- CDC reports 9 additional pediatric deaths in Week 2 bringing the season total to 29 confirmed influenza pediatric deaths. Two of those cases were appropriately immunized. CDC does not report adult influenza deaths, however, the percent of all mortality associated with pneumonia and influenza has increased to 8.3%, well above the epidemic threshold of 7.3% for week 2.

Treatment/Prevention

- According to a poll of MESH's Pharmacy Working Group, the majority of Marion County retail pharmacy contacts and wholesale suppliers report sufficient inventory of 75 mg Tamiflu caps and/or 75 mg Amantadine caps. Tamiflu suspensions from wholesalers remain unavailable with no update on future availability. (Bobby Courtney, MESH)
- Early vaccine effectiveness has been estimated by the CDC to reduce influenza associated medical visits by 60%. http://www.cdc.gov/mmwr/preview/mmwrhtml/mm62e0111a1.htm?s_cid=mm62e0111a1_w
- No resistance has been found to anti-viral medications (Oseltamivir and Zanamivir). Current CDC guidelines for both treatment and prophylaxis can be found here: <http://www.cdc.gov/flu/pdf/professionals/antivirals/antiviral-summary-clinicians.pdf>. Treatment with Oseltamivir (Tamiflu) is approved for use in patients 2 weeks old and older and is most effective when given within 48 hours of symptom onset.
- IVATS distributors and available vaccine products: http://preventinfluenza.org/ivats/ivats_12_13.pdf

Trending News Coverage and Other Sources of Information

- MCHD and the Indianapolis Coalition for Patient Safety announced restrictions for patient visitation: http://www.hhcorp.org/pr12/pr_011613a.htm