

Influenza Situation Report

1/13/13-1/19/13 (Week 3)

Marion County Public Health Department, IN 2013-01-25, 1PM DR1883

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

Links to Immunization Clinics

Free public clinic on 1/29/13 at 4012 N Rural St from 1-5PM

[Nurse of the Day Hours](#)

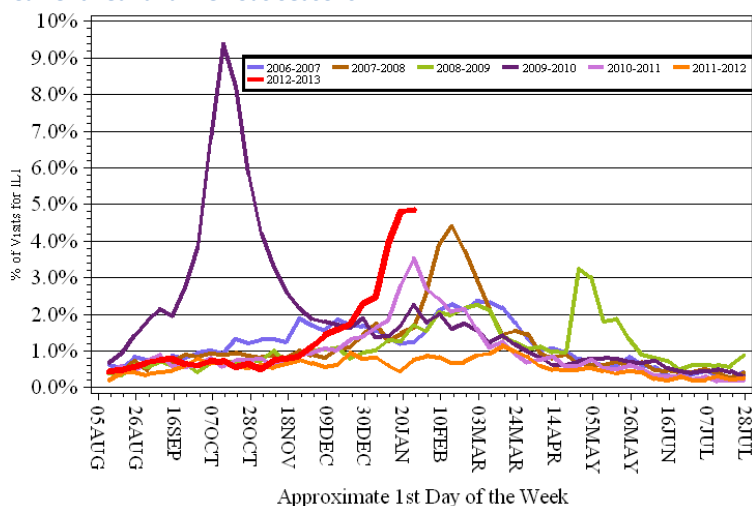
[Private Pharmacy Clinics](#)

Current Local Trends

- There were 517 ILI ED visits (5.06% of 10,211 ED visits) during Week 3 compared to 403 visits in Week 2 (3.9% ILI). This is a 28% increase in ILI visits from Week 2 (403 visits) to Week 3 (517 visits).
- So far this week (1/20-1/24/13), there have been 359 ILI visits (5.04% of 7,126 total ED visits). The percent of ILI appears to be stabilizing, however, a season high 90 ILI visits were observed on 1/23.

Emergency Department Visits for Influenza-Like Illness

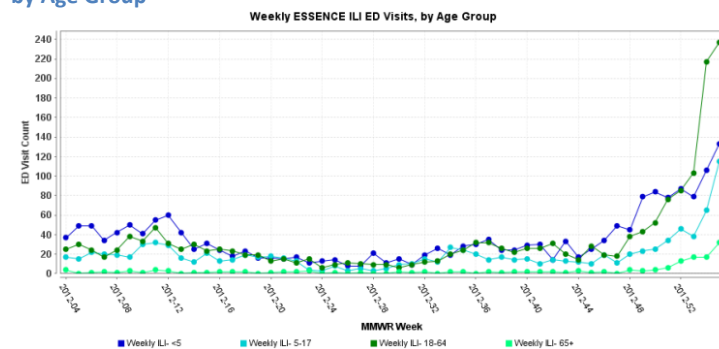
Figure 1. Percent Influenza-like Illness of all Marion County Hospital ED Visits, Current Year and Previous Seasons



Last updated 25JAN2013 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	133	11.9%	87	6.1%
5-17	115	8.8%	46	4.2%
18-64	237	3.7%	121	1.9%
65+	32	2.3%	13	0.9%
Unknown	0	0.0%	0	2.9%
Total	517	5.1%		

Figure 1 represents the percent of all ED visits that were categorized as influenza-like illness. As described in the graph, the percent ILI appears to be stabilizing around 5% of all ED visits.

Patients between the ages of 18 and 64 represent the greatest number of visits for ILI in Week 3. 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

- Percent ILI is significantly higher at Marion County Hospitals compared to the same week last year (38 ILI visits or 0.35% of all ED visits for Week 3 2012).
- Three additional deaths have been reported to MCHD this week. There are a total of 5 influenza-related deaths in Marion County this season.
- Over 900 vaccines were distributed at District Health Offices and a mass clinic on Jan 18, 2013. A follow-up clinic is scheduled for 1/29/13 (information above).

Influenza Situation Report

1/13/13-1/19/13 (Week 3)

Marion County Public Health Department, IN 2013-01-25, 1PM DR1883

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

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 high influenza activity (elevated from the moderate activity reported last week). From 1/17-1/23/13, ISDH reports 4.5% ILI in ED surveillance and 4% from sentinel provider sites.
- Thirteen adult influenza deaths were reported for Week 2 bringing the total officially reported deaths to 40 (2 of those are pediatric deaths).
- The predominant circulating virus is A/H3, 93% (27/29) of samples positive for influenza were of the A/H3 seasonal variant. The percentage of influenza positive tests fell from last week (63%) to 44% this week (29/66).

National

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

- During Week 3 (Jan 13-Jan 19, 2013), 47 states (including Indiana) are reporting widespread influenza activity by state and territorial epidemiologists. In addition, during week 3, 4.3% 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 slightly lower than the 4.6% reported last week.
- The seasonal vaccine remains to be a good match to circulating virus. With 99.6% of H3N2 strains matching the vaccine component. The B vaccine component is less of a match (69%), but is also circulating much less.
- CDC reports 8 additional pediatric deaths in Week 3 bringing the season total to 37 confirmed influenza pediatric deaths. CDC does not report adult influenza deaths, however, the percent of all mortality associated with pneumonia and influenza has increased to 9.8%, well above the epidemic threshold of 7.3% for week 3 and an increase from the 8.3% reported last week.

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
- Free vaccine is being targeted towards restaurant workers in Philadelphia: <http://philadelphia.cbslocal.com/2013/01/22/free-flu-shot-clinic-for-philadelphia-restaurant-workers-today/>
- Media reports of school closings in IL and OK: http://www.huffingtonpost.com/2013/01/15/flu-fight-2013-schools_n_2483114.html & <http://www.kjrh.com/dpp/news/state/muskogee-county-school-in-porum-closing-friday-for-flu-stomach-illnesses>