

Influenza Situation Report

2014-2015 Seasonal Influenza Week 50

(Dec 07– Dec 13, 2014)

Marion County Public Health Department, IN 2014-12-19,

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

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Updates on Most Recent Local Activity: Current Week (Week 51, Dec 14 – Dec 20)

- The percent and count of influenza-like illness (ILI) at Marion County hospitals for this current and incomplete week (Week 51) is 4.8% and 499, respectively.

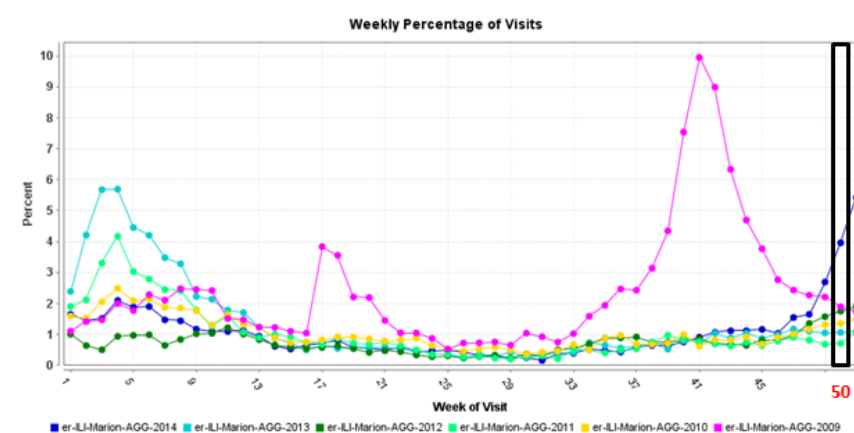
Local (Week 50)

http://www.mchd.com/FLU/Flu_edv.htm

- The percent and count of ED visits with a chief complaint of ILI at Marion County hospitals is 3.4% and 441 of all ED visits, respectively.
- At Marion County hospitals, children in the age range 5-17 have the highest age-specific percent ILI (7.6%), followed by children of age 0-4 (6.1%).

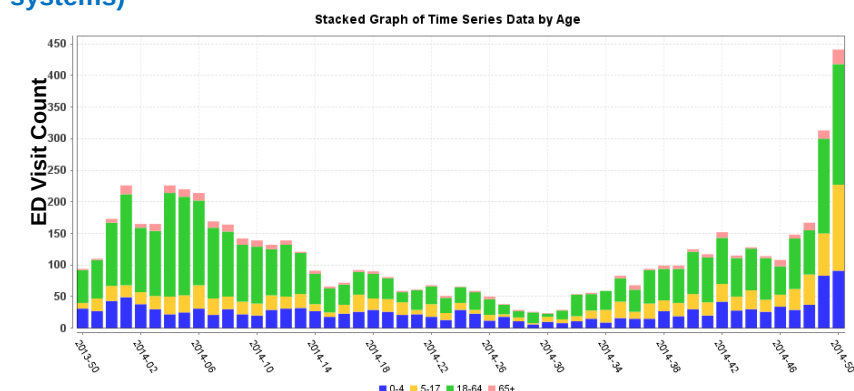
Emergency Department Visits for Influenza-Like Illness

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



Data Source: ISDH Public Health Surveillance System, MCHD Epidemiology DR1202

Figure 2. Weekly Count of ILI ED Visits at 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)	Week 50 %ILI	Week 46-49 Average %ILI (Avg.)
0-4	6.1%	3.6%
5-17	7.6%	3.0%
18-64	2.5%	1.2%
65+	1.3%	0.6%
Aggregate	3.4%	1.6%

Figure 1 represents the percent of all ED visits at Marion County hospitals that were categorized as influenza-like illness. The overall percent ILI for Week 50 is 3.4% (an increase from last week).

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 (Week 50)

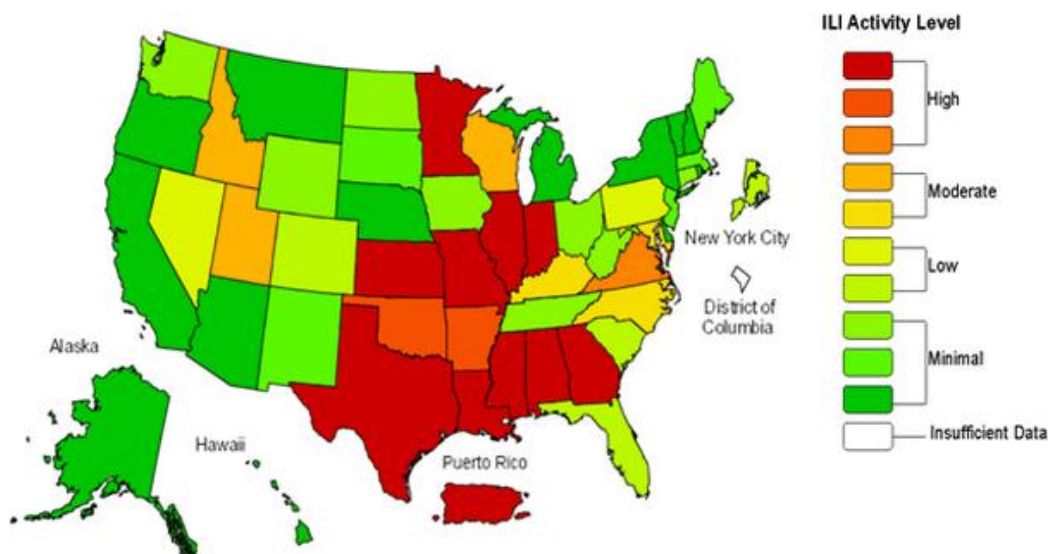
http://www.in.gov/isdh/files/Weekly_Influenza_Report_Week_50_2014-2015.pdf

- Indiana is experiencing widespread, high influenza activity. For Week 50, ISDH reports 5.80% ILI at sentinel provider sites and 3.01% ILI ED visits. This is an increase in sentinel surveillance and an increase in ED surveillance compared to last week.
- An additional influenza-associated death has been reported in Indiana for Week 50, raising the total number of mortalities in Indiana this flu season to 2.
- For Week 50 and among samples tested at the state lab, 133 specimens tested positive for Influenza A/H3 seasonal virus; 2 specimens tested positive for Influenza B seasonal virus.

National (Week 50)

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

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2014-15 Influenza Season Week 50 ending Dec 13, 2014



ILINet: Based on patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet). "Activity levels are based on the percent of outpatient visits in a state due to ILI and are compared to the average percent of ILI visits that occur during weeks with little or no influenza virus circulation."

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- During Week 50, the majority of states are reporting widespread influenza activity by state and territorial epidemiologists. In addition, during week 50, 3.7% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). This is an increase from the previous week (Week 49=2.5%) and above the national baseline (2.0%).
- CDC reports 4 confirmed influenza-related pediatric deaths for Week 50, increasing the season mortality to 11.
- Elderly patients 65 and older represent the highest rate of hospitalizations (23.5 per 100,000 population), followed by patients of age 0-4 years (9.3 per 100,000 population).
- "Among all hospitalizations, 1,611 (94.7%) were associated with influenza A, 81 (4.7%) with influenza B, five (0.3%) with influenza A and B co-infection, and five (0.3%) had no virus type information. Among those with influenza A subtype information, 463 (100%) were H3N2 virus."

CDC Health Advisory

<http://emergency.cdc.gov/han/han00374.asp>

- Influenza viral characterization data indicates significant antigenic drift of circulating Influenza A (H3N2) in the U.S. population from the 2014-2015 Influenza A (H3N2) vaccine component.
- "CDC is reminding clinicians of the benefits of influenza antiviral medications and urging continued influenza vaccination of unvaccinated patients this influenza season."