

Influenza Situation Report

2014-2015 Seasonal Influenza Week 51

(Dec 14 – Dec 20, 2014)

Marion County Public Health Department, IN 2014-12-30,

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Updates on Most Recent Local Activity

- The percent of influenza-like illness (ILI) as of 12/28/14 is 4.7%. **Note:** This measure is not taking into account data from a hospital system which is currently missing and accounts for approximately 40% of all Marion County ED visits. We expect the data to be complete by this upcoming Friday's report.

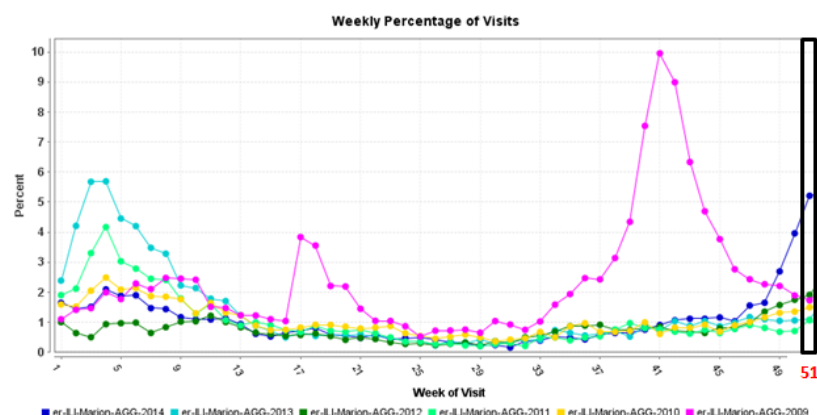
Local (Week 51)

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

- The percent and count of ED visits with a chief complaint of ILI is 4.6% and 629 of all ED visits, respectively.
- Children in the age range 5-17 have the highest age-specific percent ILI (9.4%), followed by children of age 0-4 (6.8%).

Emergency Department Visits for Influenza-Like Illness

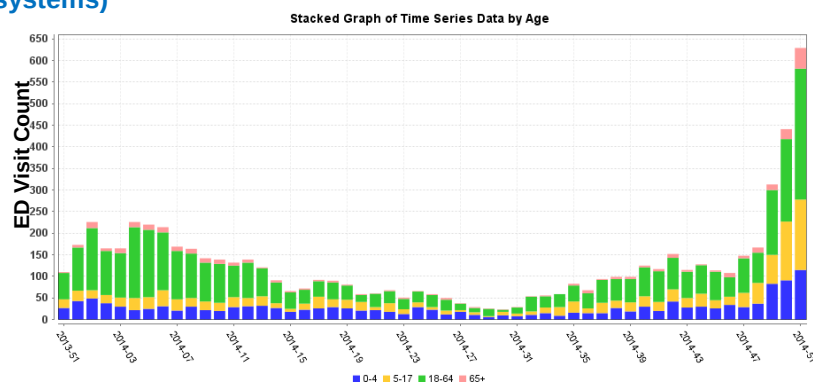
Figure 1. Percent Influenza-like Illness of all ED Visits for Marion County residents, Current Year and Previous Seasons



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

Age Group (years)	Week 51 %ILI	Week 47-50 Average %ILI (Avg.)
<5	6.8%	4.5%
5-17	9.4%	4.8%
18-64	3.7%	1.7%
65+	2.5%	0.8%
Total	4.6%	2.2%

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

Figure 1 represents the percent of all ED visits that were categorized as influenza-like illness. The overall percent ILI for Week 51 is 4.6% (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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- During Week 51, the majority of states are reporting widespread influenza activity by state and territorial epidemiologists. In addition, during week 51, 5.5% 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 50=3.7%) and above the national baseline (2.0%).
- CDC reports four confirmed influenza-related pediatric deaths for Week 51, increasing the season mortality to 15.
- Elderly patients 65 and older represent the highest rate of hospitalizations (38.2 per 100,000 population), followed by patients of age 0-4 years (13.4 per 100,000 population).
- "Among all hospitalizations, 2,529 (95.7%) were associated with influenza A, 100 (3.8%) with influenza B, nine (0.3%) with influenza A and B co-infection, and five (0.2%) had no virus type information. Among those with influenza A subtype information, 760 (99.9%) were H3N2 virus and one (0.1%) was 2009 H1N1."

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."