

Influenza Situation Report

2014-2015 Seasonal Influenza Week 49

(Nov 30 – Dec 06, 2014)

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

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

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Updates on Most Recent Local Activity: Current Week (Week 50, Dec 7 – Dec 13)

- The percent and count of influenza-like illness (ILI) for this current and incomplete week (Week 50) is 3.7% and 313, respectively.

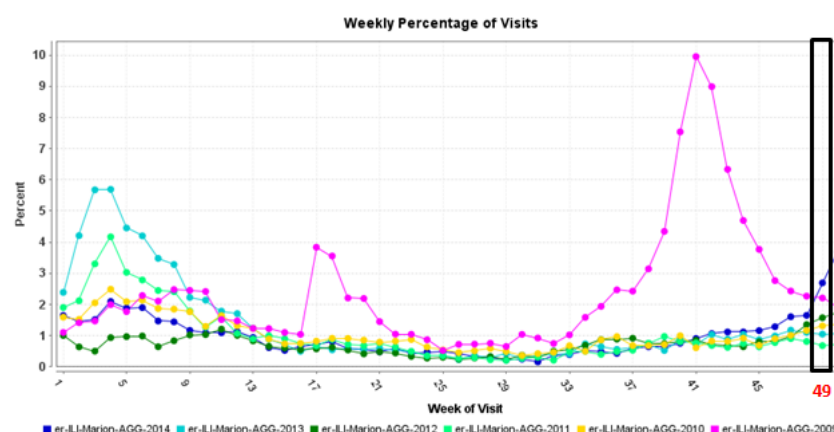
Local (Week 49)

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

- The percent and count of ED visits with a chief complaint of ILI is 2.5% and 313 of all ED visits, respectively.
- Children in the age range 0-4 have the highest age-specific percent ILI (5.9%), followed by children of age 5-17 (4.4%).

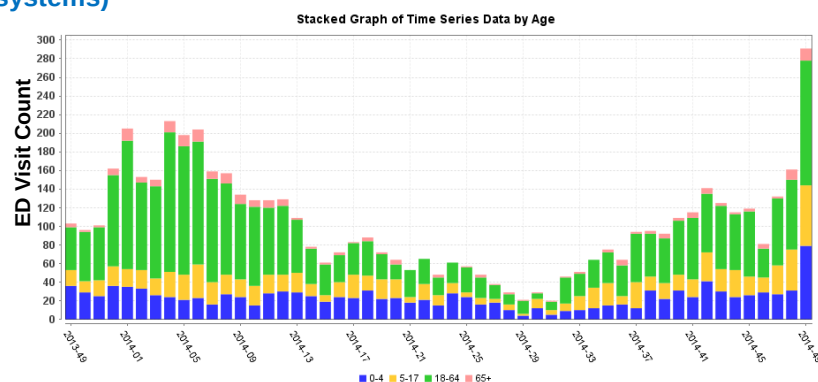
Emergency Department Visits for Influenza-Like Illness

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



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 (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 49 %ILI	Week 45-48 Average %ILI (Avg.)
<5	5.9%	2.8%
5-17	4.4%	2.8%
18-64	1.9%	0.9%
65+	0.7%	0.4%
Total	2.5%	1.2%

Figure 1 represents the percent of all ED visits that were categorized as influenza-like illness. The overall percent ILI for Week 49 is 2.5% (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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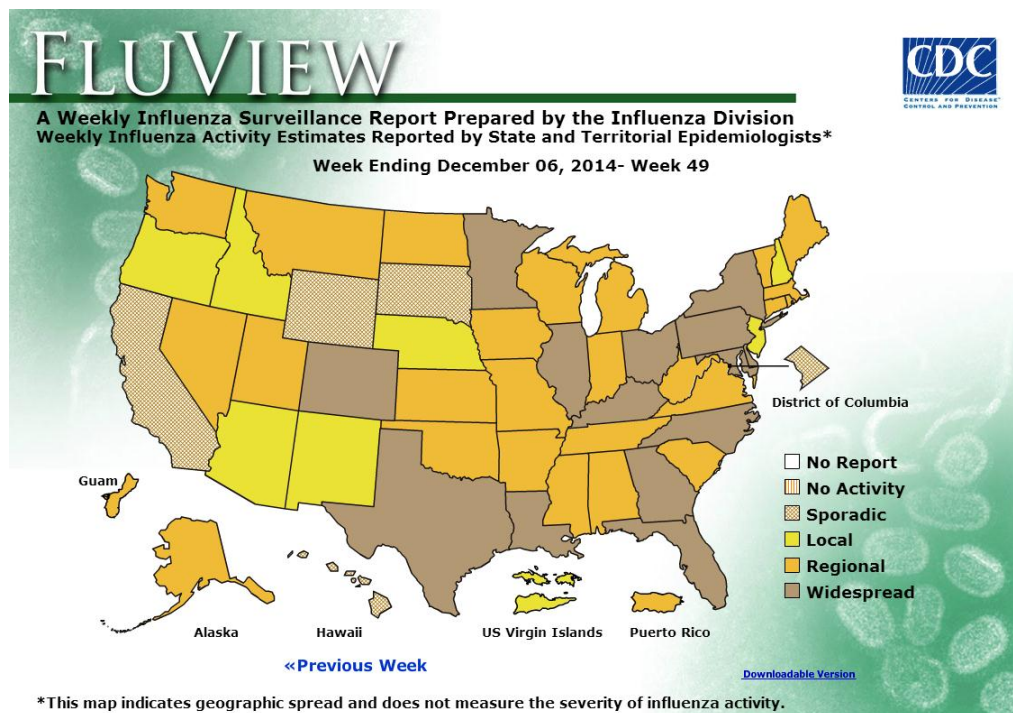
Indiana (Week 49)

- Indiana is experiencing regional, moderate influenza activity.

ISDH has not yet released information on state-level flu activity for Week 49.

National (Week 49)

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



- During Week 49, the majority of states are reporting regional and widespread influenza activity by state and territorial epidemiologists. In addition, during week 49, 2.5% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). This is a decrease from the previous week (Week 48=2.6%) and above the national baseline (2.0%).
- CDC reports two confirmed influenza-related pediatric deaths for Week 49, increasing the season mortality to 7.

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- Elderly patients 65 and older represent the highest rate of hospitalizations (13.3 per 100,000 population), followed by patients of age 0-4 years (6.2 per 100,000 population).
- "Among all hospitalizations, 952 (92.6%) were associated with influenza A, 68 (6.6%) with influenza B, 4 (0.4%) with influenza A and B co-infection, and 4 (0.4%) had no virus type information. Among those with influenza A subtype information, 274 (100%) were H3N2 virus.

CDC Health Advisory

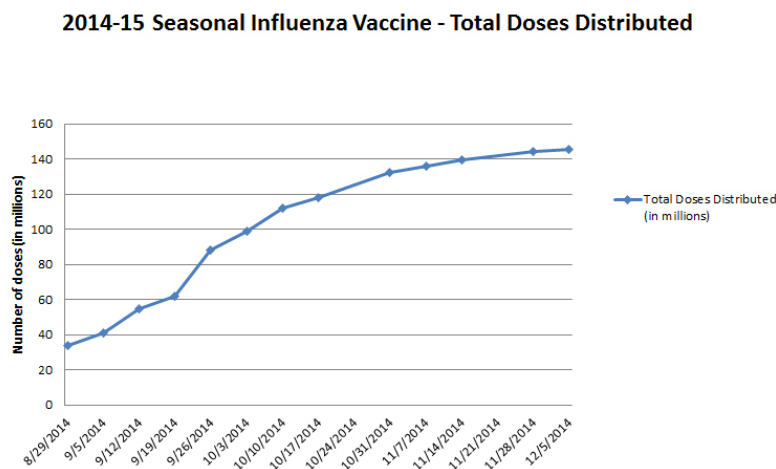
<http://emergency.cdc.gov/han/han00374.asp>

- 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."

Vaccine Distribution

<http://www.cdc.gov/flu/professionals/vaccination/vaccinesupply.htm>

Figure 3. Weekly Total Number of Seasonal Influenza Vaccine Doses Distributed in the U.S.



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- This year an additional 15 million influenza vaccines have been distributed, by this same MMWR week (49), compared to the previous three flu seasons.