

Influenza Situation Report

2014-2015 Seasonal Influenza Week 48

(Nov 23 – Nov 29, 2014)

Marion County Public Health Department, IN 2014-08-12,
Please send comments or suggestions about content to epidemiology@hhcorp.org.

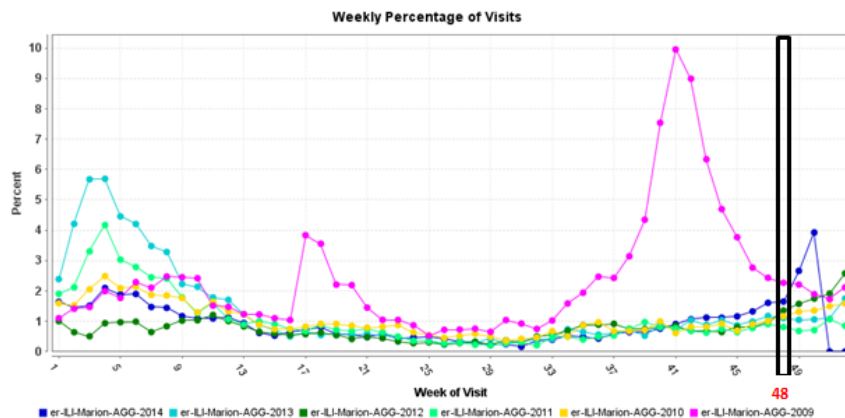
Current Local Trends

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

- The percent of ED visits with a chief complaint of influenza-like illness (ILI) was 1.4% of all ED visits in Week 48 and 2.6% in Week 49.
- Counts for this week have been increasing and although this reporting week is incomplete, we anticipate a higher rate next week. Note: The percent ILI for this current and incomplete week (Week 50) is 3.9%.
- Children in the age range 5-17 have the highest age-specific percent ILI (3.6%), followed by children of age 0-4 (2.7%).

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: 12/08/14)

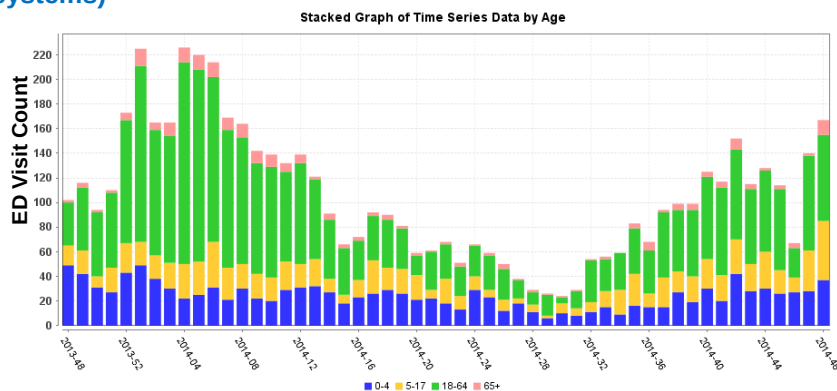


Data Source: ISDH Public Health Surveillance System, MCHD Epidemiology DR1202

Table 1. Age group specific percent of ILI ED Visits at Marion County Hospitals, by Age Group

Age Group (years)	Week 48 %ILI	Week 44-47 Average %ILI (Avg.)
<5	2.7%	2.7%
5-17	3.6%	2.0%
18-64	1.0%	0.9%
65+	0.7%	0.2%
Total	1.4%	1.1%

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

Figure 1 represents the percent of all ED visits that were categorized as influenza-like illness. The overall percent ILI for Week 48 is 1.4% (a decrease 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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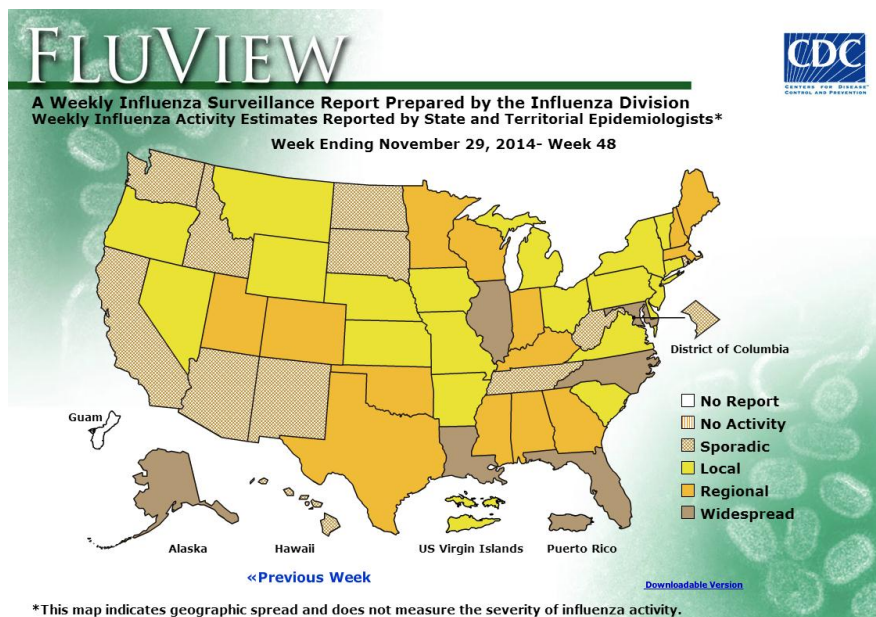
Indiana

http://www.in.gov/isdh/files/Weekly_Influenza_Report_Week_48_2014-2015.pdf

- Indiana is experiencing regional, moderate influenza activity. For Week 48, ISDH reports 2.18% ILI at sentinel provider sites and 1.63% ILI ED visits. This is an increase in sentinel surveillance and an increase in ED surveillance compared to last week.
- No additional deaths have been reported in Indiana for Week 48. The total number of mortalities in Indiana this flu season is 0.
- For Week 48 and among samples tested at the state lab, 34 specimens tested positive for Influenza A/H3 seasonal virus; one specimen tested positive for Influenza B seasonal virus.

National

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



- During Week 48, the majority of states are reporting sporadic and local influenza activity by state and territorial epidemiologists. In addition, during week 48, 2.6% 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 47=2.0%) and above the national baseline (2.0%).

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- CDC reports no additional confirmed influenza pediatric deaths for Week 48, maintaining the season mortality at 5.
- Elderly patients 65 and older represent the highest rate of hospitalizations (5.9 per 100,000 population), followed by patients of age 0-4 years (3.2 per 100,000 population).
- “Among all hospitalizations, 444 (88.8%) were associated with influenza A, 51 (10.2%) with influenza B, 3 (0.6%) with influenza A and B co-infection, and 2 (0.4%) had no virus type information. Among those with influenza A subtype information, 116 (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.”

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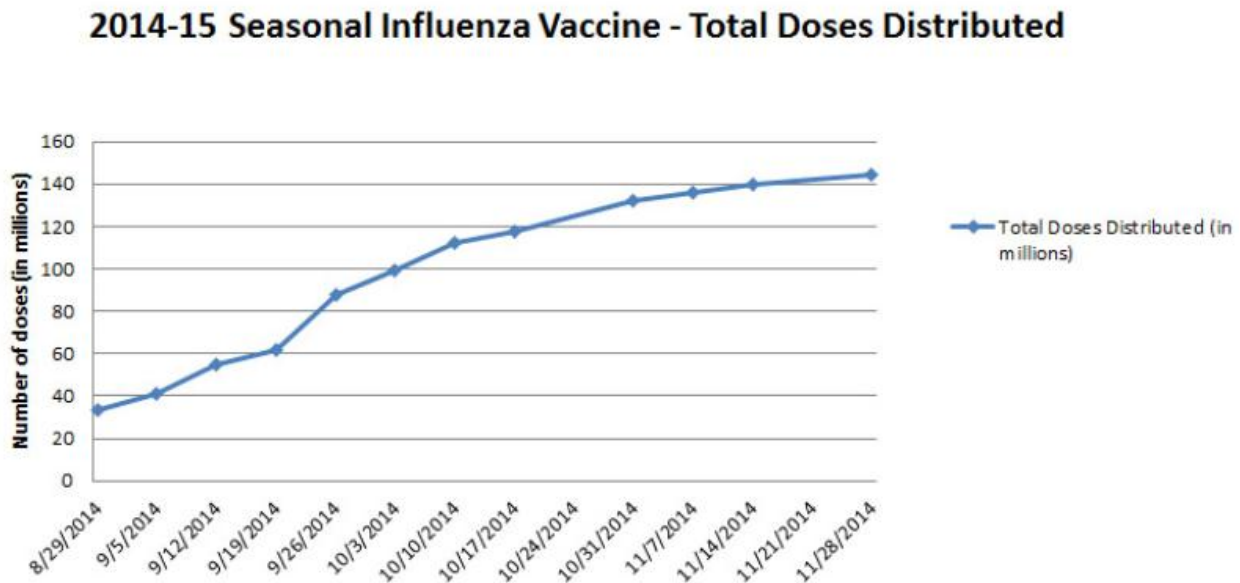
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Vaccine Distribution

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

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



- This year an additional 10 million influenza vaccines have been distributed, by this same MMWR week (48), in comparison to the previous two years.