

Influenza Situation Report

2014-2015 Seasonal Influenza Week 53

(Dec 28 – Jan 03, 2015)

Marion County Public Health Department, IN 2015-01-09,

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

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Updates on Most Recent Local Activity: Current Week (Week 1, Jan 4 – Jan 10)

- The percent and count of influenza-like illness (ILI) for this current and incomplete week (Week 1 of 2015) is 2.7% and 229, respectively.

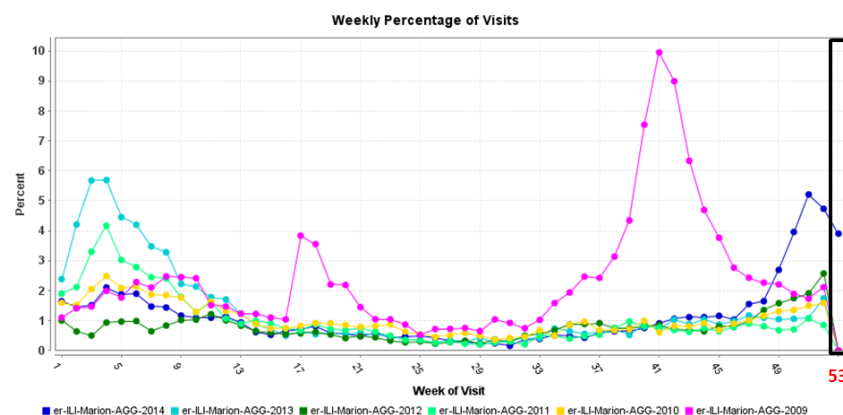
Local (Week 53)

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

- The percent and count of ED visits with a chief complaint of ILI is 3.3% and 444 of all ED visits, respectively.
- Children in the age range 0-4 have the highest age-specific percent ILI (6.1%), followed by children of age 5-17 (3.2%).

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

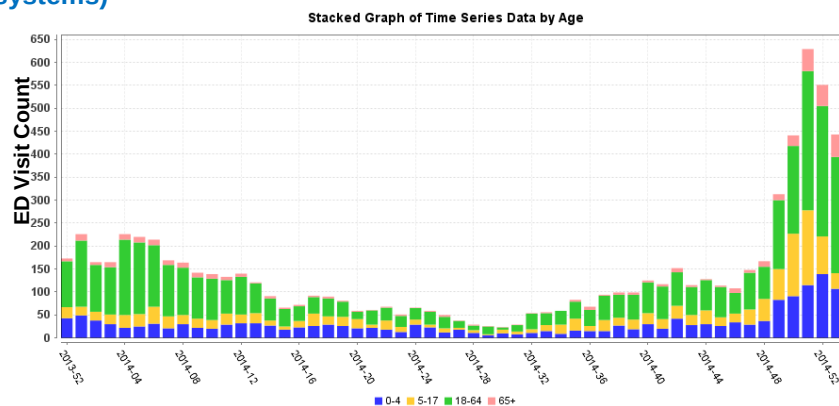


Data Source: ISDH Public Health Surveillance System, MCHD Epidemiology

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

Age Group (years)	Week 53	Week 49-52 Average
	%ILI	%ILI (Avg.)
<5	6.1%	6.7%
5-17	3.2%	7.0%
18-64	3.0%	2.9%
65+	2.2%	1.7%
Aggregate	3.3%	3.7%

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 53 is 3.3% (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 (Week 53)

No Week 53 updates from ISDH are yet available. Below is a restatement of Week 52 activity for further state activity context.

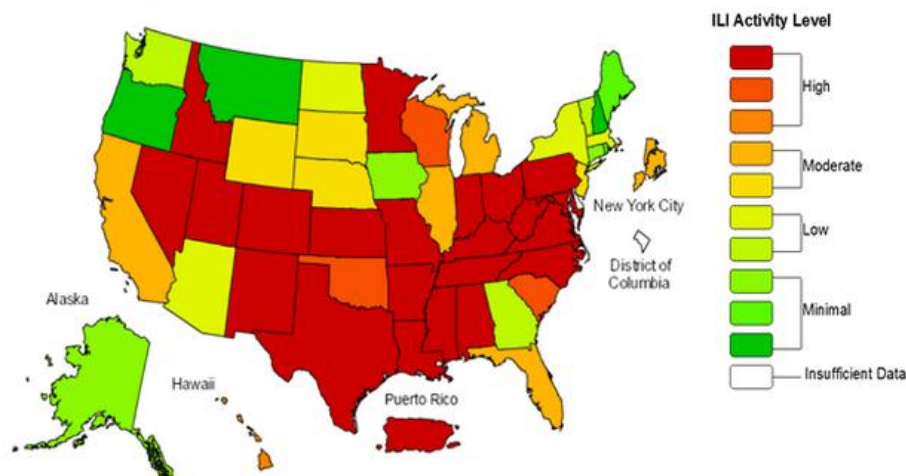
http://www.in.gov/isdh/files/Weekly_Influenza_Report_Week_52_2014-2015.pdf

- Indiana is experiencing widespread, high influenza activity. For Week 52, ISDH reports 8.19% ILI at sentinel provider sites and 5.46% ILI ED visits. This is an increase in sentinel surveillance and an increase in ED surveillance compared to last week.
- 31 additional deaths have been reported in Indiana for Week 52. The total number of mortalities in Indiana this flu season is 36.
- For Week 52 and among samples tested at the state lab, 39 specimens tested positive for Influenza A/H3 seasonal virus; 1 specimen tested positive for Influenza B seasonal virus.

National (Week 53)

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

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2014-15 Influenza Season Week 53 ending Jan 03, 2015



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- During Week 53, the majority of states are reporting regional and widespread influenza activity by state and territorial epidemiologists. In addition, during week 53, 5.6% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to influenza-like illness (ILI). This is a decrease from the previous week (Week 52=5.9%) and above the national baseline (2.0%).
- CDC reports five confirmed influenza-related pediatric deaths for Week 53, increasing the season mortality to 26.
- Elderly patients 65 and older represent the highest rate of hospitalizations (91.6 per 100,000 population), followed by patients of age 0-4 years (22 per 100,000 population).
- "Among all hospitalizations, 5,332 (97.1%) were associated with influenza A, 138 (2.5%) with influenza B, 13 (0.2%) with influenza A and B co-infection, and nine (0.2%) had no virus type information. Among those with influenza A subtype information, 1,582 (99.6%) were A(H3N2) virus and six (0.4%) were A(H1N1)pdm09."

Parotitis and Respiratory Viruses

- Marion County physicians are reporting an unusually high number of cases in which influenza A has been complicated by parotitis (previously known to be a rare event). Dr. John Christenson, Professor of Clinical Pediatrics at the Riley Hospital for Children at IU Health, recommends RVP-PCR be carried out for such patients. It has also been noticed that many of these patients should be tested for mumps, for which a PCR can be carried out using a buccal swab specimen.

CDC Health Advisory

<http://emergency.cdc.gov/han/han00375.asp>

- "Approximately two-thirds of H3N2 viruses that have been tested at CDC are antigenically or genetically different from the H3N2 vaccine virus.
- CDC is reminding clinicians of the efficacy of influenza antiviral medications in treating patients and reducing complications.