

Influenza Situation Report

2015-2016 Seasonal Influenza Week 45

(Nov 08 – Nov 14, 2015)

Marion County Public Health Department, IN 2015-11-20,

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

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Updates on Most Recent Local Activity: Current Week (Week 46, Nov 15 – Nov 21)

- The percent and count of influenza-like illness (ILI) for this current and incomplete week (Week 46) is 0.56% and 21, respectively. Note: MCPHD has not received data for 5 of 7 days, so the ILI count is an under-report. Nevertheless, these numbers appear typical for this time of year and suggest no change from last week.

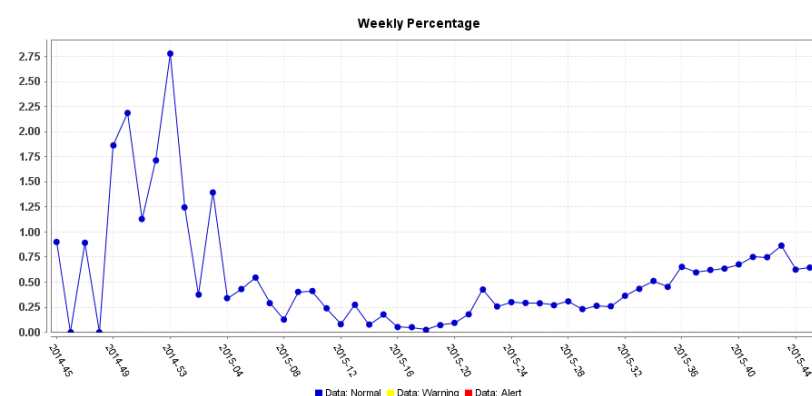
Local (Week 45)

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

- The percent and count of ED visits with a chief complaint of ILI is 0.6% and 73 of all ED visits, respectively.
- Children under age 5 have the highest age-specific percent ILI (2.8%).

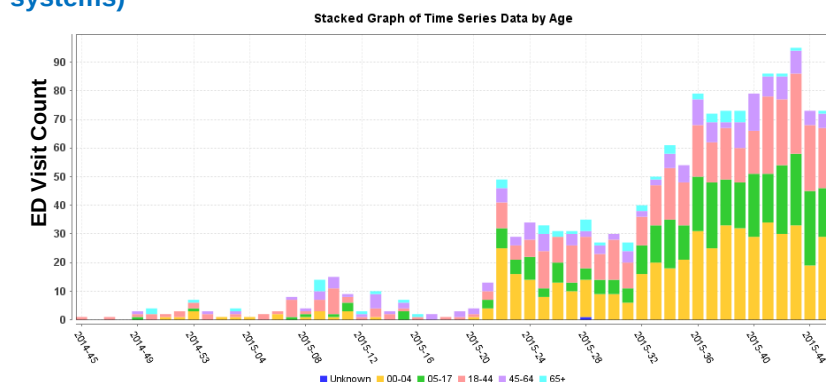
Emergency Department Visits for Influenza-Like Illness

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



Data Source: MCPHD ESSENCE, MCPHD Epidemiology

Figure 2. Weekly count of ILI ED Visits for Marion County Hospitals, by Age Group (Only includes currently contributing hospital systems)



Data Source: MCPHD ESSENCE, MCPHD Epidemiology

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

Age Group (years)	Week 45 %ILI	Week 41-44 Average %ILI (Avg.)
<5	2.8%	2.8%
5-17	1.3%	1.8%
18-44	0.4%	0.5%
45-64	0.2%	0.3%
65+	0.1%	0.0%
Total	0.6%	0.7%

Figure 1 represents the percent of all ED visits that were categorized as ILI. The overall percent ILI for Week 45 is 0.6% (the same as 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 45)

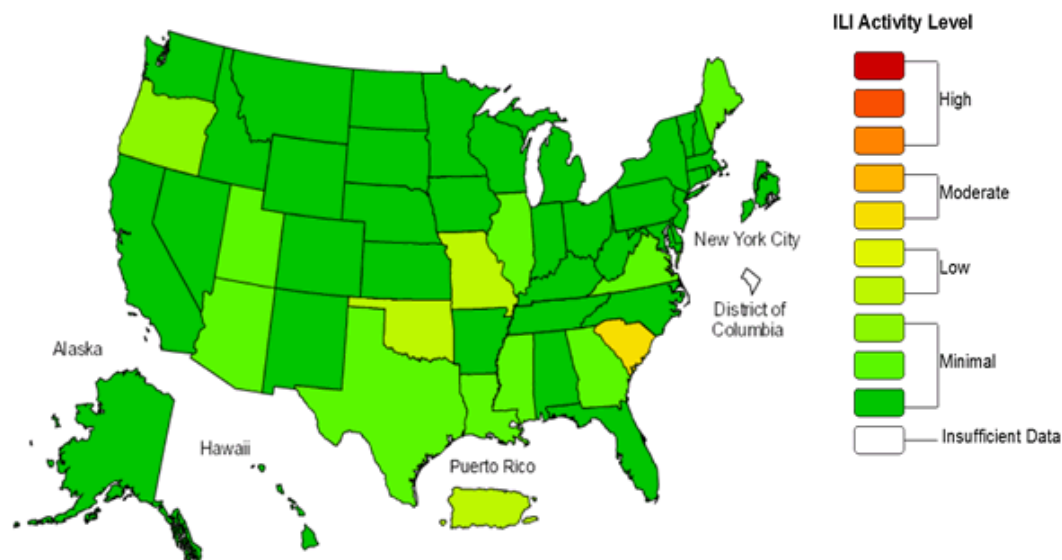
http://www.in.gov/isdh/files/Weekly_Influenza_Report-Week_45-2015-16.pdf

- Indiana is experiencing minimal influenza activity. For Week 45, ISDH reports 0.92% ILI at sentinel provider sites and 1.16% ILI ED visits. This is a decrease in sentinel surveillance and an increase in ED surveillance compared to last week.
- No deaths have been reported in Indiana for Week 45. The total number of mortalities in Indiana this flu season is 2.
- For Week 45 and among samples tested at the state lab: 0 specimens tested positive for Influenza A/H1 seasonal virus; 0 specimens tested positive for Influenza A/H3 seasonal virus; 1 specimen tested positive for Influenza B seasonal virus.

National (Week 45)

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

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2015-16 Influenza Season Week 45 ending Nov 14, 2015



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- During Week 45, the majority of states are reporting minimal influenza activity. In addition, during Week 45, 1.6% of patient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to ILI. This is slightly higher than the previous week (Week 44=1.4%) and below the national baseline (2.1%).
- CDC reports 1 confirmed influenza-related pediatric death for Week 45. The season mortality is now 1.
- "The most frequently identified influenza virus type reported by public health laboratories in week 45 was influenza A viruses, with influenza A (H3) viruses predominating. The percentage of respiratory specimens testing positive for influenza in clinical laboratories is low."
- "CDC has characterized 12 influenza viruses [one A (H1N1)pdm09, 10 A (H3N2), and one influenza B virus] collected by U.S. laboratories **since October 1, 2015.**"
- "The 10 influenza A (H3N2) viruses collected since October 1, 2015 have been genetically sequenced and all viruses belonged to genetic groups for which a majority of viruses antigenically characterized were similar to A/Switzerland/9715293/2013, the influenza A (H3N2) component of the 2015-2016 Northern Hemisphere vaccine. Six viruses (one A (H1N1)pdm09, four A (H3N2), and one B/Yamagata-lineage) collected since October 1, 2015 have been antigenically characterized. All six were similar to the 2015-2016 Northern Hemisphere influenza vaccine components."