

Influenza Situation Report

2015-2016 Seasonal Influenza Week 46

(Nov 15 – Nov 21, 2015)

Marion County Public Health Department, IN 2015-11-30,

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Updates on Most Recent Local Activity: Week 47 (Nov 22 – Nov 28)

- Influenza-like illness (ILI) incidence appears to be typical for this time of year and suggests no change from last week. The percent and count of ILI visits for the most current week (Week 47) was 0.80% and 86, respectively.

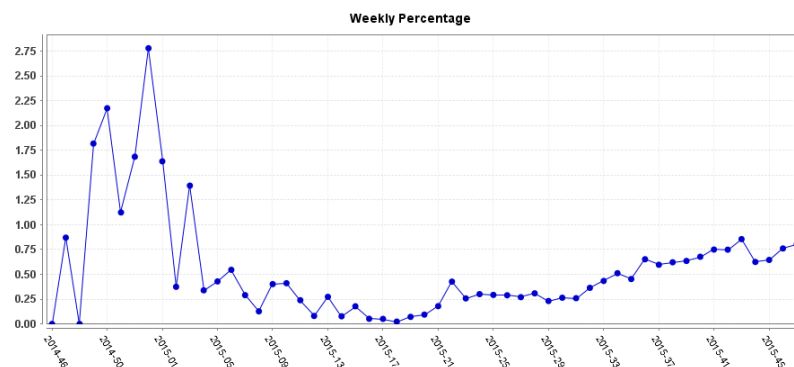
Local (Week 46)

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

- The percent and count of ED visits with a chief complaint of ILI is 0.8% and 88 of all ED visits, respectively.
- Children under age 5 have the highest age-specific percent ILI (2.1%).

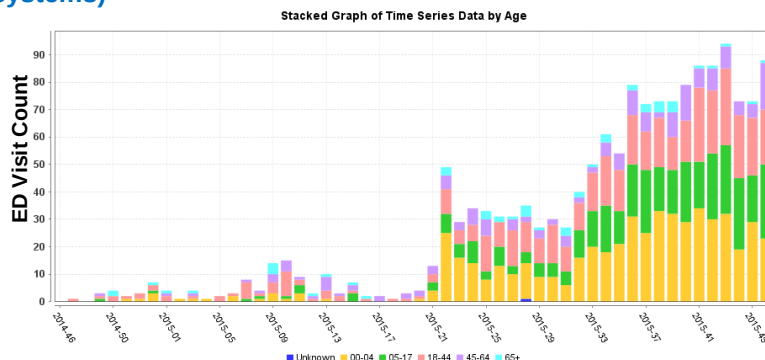
Emergency Department Visits for Influenza-Like Illness

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 46 %ILI	Week 42-45 Average %ILI (Avg.)
<5	2.1%	2.5%
5-17	2.0%	1.8%
18-44	0.4%	0.5%
45-64	0.6%	0.3%
65+	0.1%	0.0%
Total	0.8%	0.7%

Figure 1 represents the percent of all ED visits that were categorized as ILI. The overall percent ILI for Week 46 is 0.8% (slightly higher than 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 46)

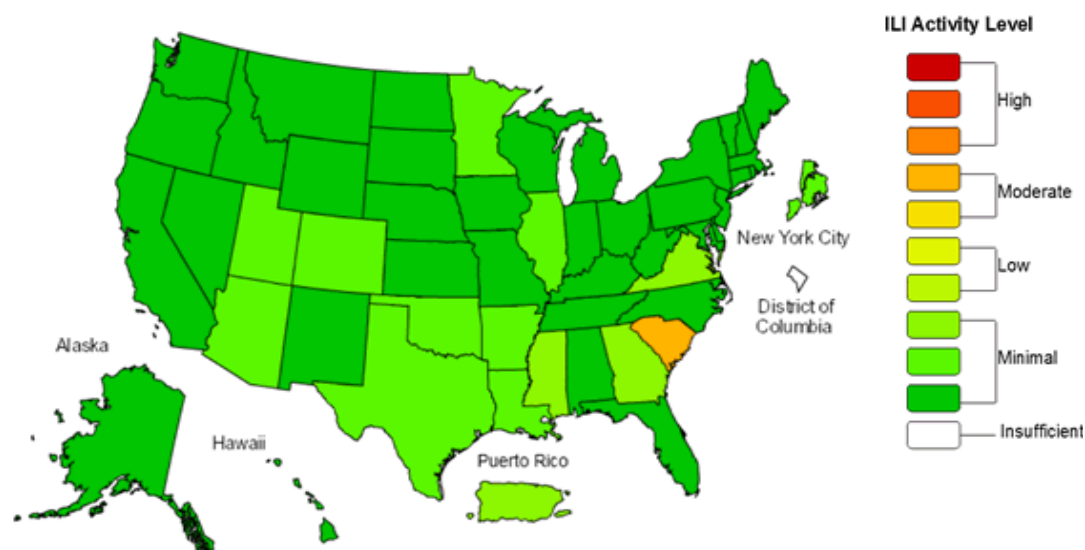
http://www.in.gov/isdh/files/Weekly_Influenza_Report-Week_46-2015-16.pdf

- Indiana is experiencing minimal influenza activity. For Week 46, ISDH reports 0.80% ILI at sentinel provider sites and 1.27% 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 46. The total number of mortalities in Indiana this flu season is 2.
- For Week 46 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; 0 specimens tested positive for Influenza B seasonal virus.

National (Week 46)

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

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2015-16 Influenza Season Week 46 ending Nov 21, 2015



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- During Week 46, the majority of states are reporting sporadic influenza activity. In addition, during Week 46, 1.6% of outpatient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to ILI. This is the same as the previous week (Week 45=1.6%) and below the national baseline (2.1%).
- CDC reports 1 confirmed influenza-related pediatric death for Week 46. The season mortality is now 2.
- "The most frequently identified influenza virus type reported by public health laboratories during week 46 was influenza A viruses, with influenza A (H3) viruses predominating. The percentage of respiratory specimens testing positive for influenza in clinical laboratories was low."
- "CDC has characterized 20 influenza viruses [one A (H1N1)pdm09, 18 A (H3N2), and one influenza B virus] collected by U.S. laboratories since October 1, 2015."
- "The 18 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) reference virus propagated in cell culture and representing the 2015-2016 Northern Hemisphere vaccine component. Ten viruses (one A (H1N1)pdm09, eight A (H3N2), and one B/Yamagata-lineage) collected since October 1, 2015 have been antigenically characterized. All ten were similar to the 2015-2016 Northern Hemisphere influenza vaccine components."