

Influenza Situation Report

2015-2016 Seasonal Influenza Week 16

(Apr 17 2016 – Apr 23 2016)

Marion County Public Health Department, IN 2016-04-30

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Updates on Most Recent Local Activity: Week 17 (Apr 24 – Apr 30)

- The number of visits for ILI continues to decline. The percent and count of ILI visits for the most current week (Week 17) are 0.88% and 82, respectively.
- Nineteen influenza-related deaths have been reported in Marion County this flu season.
- The Centers for Disease Control and Prevention recently reported preliminary overall influenza vaccine effectiveness (VE) of 59% this season.¹ Even though the vaccine is not 100% effective, those who are vaccinated will often have milder symptoms and fewer hospitalizations.²

Local (Week 16)

- The percent and count of ED visits with a chief complaint of ILI was 0.89 and 107 of all ED visits, respectively.
- Children under the age of 5 have the highest age-specific percent ILI (2.4%).

Emergency Department Visits for Influenza-Like Illness

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

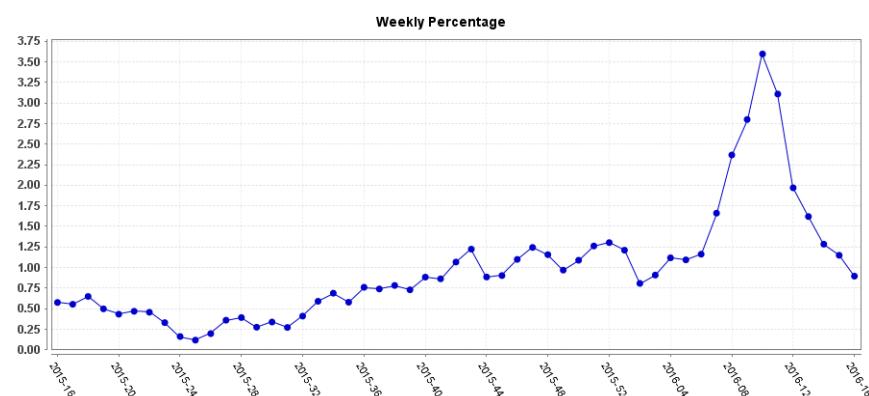
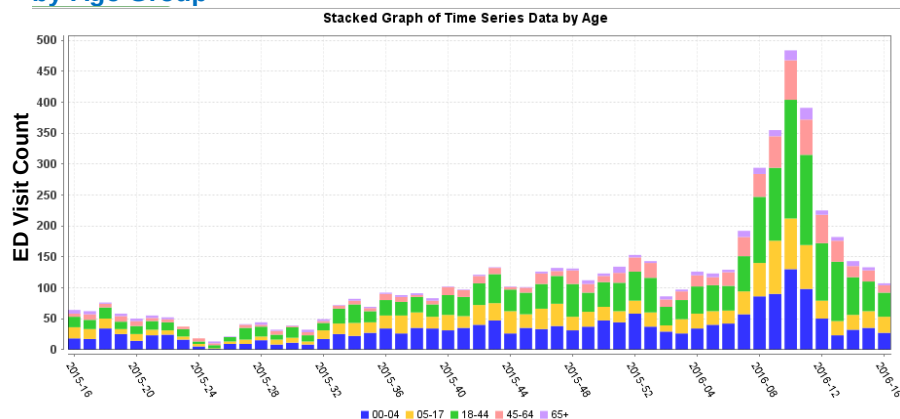


Table 1. Age group specific percent of ILI ED Visits at Marion County Hospitals, by Age Group

Age Group (years)	Week 16 %ILI	Week 12-15 Average %ILI (Avg.)
<5	2.4%	3.2%
5-17	1.8%	2.2%
18-44	0.8%	1.5%
45-64	0.4%	1.1%
65+	0.2%	0.4%
Total	0.9%	1.5%

Data Source: ISDH ESSENCE

Figure 2. Weekly count of ILI ED Visits for Marion County Hospitals, by Age Group



Data Source: ISDH ESSENCE

Figure 1 represents the percent of all ED visits that were categorized as ILI. The overall percent ILI for Week 16 is 0.9% (lower 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 16)

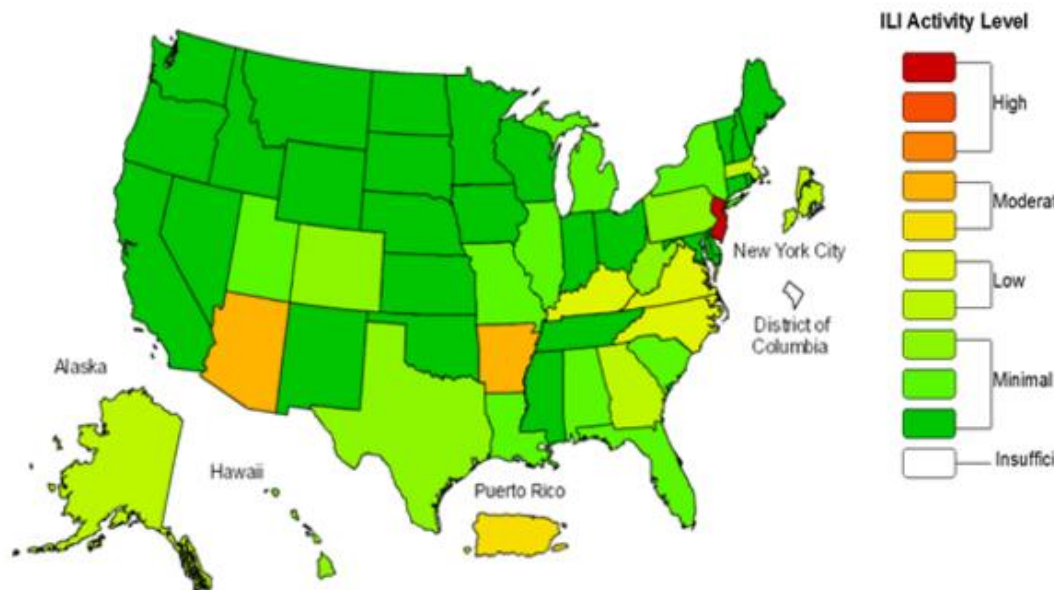
http://www.in.gov/isdh/files/Weekly_Influenza_Report-Week_16-2015-16.pdf

- Indiana is experiencing sporadic and minimal influenza activity. For Week 16, ISDH reports 1.35% ILI at sentinel provider sites and 1.00% ILI ED visits. This is an increase in sentinel surveillance and a decrease in ED surveillance compared to last week.
- Four (4) deaths have been reported in Indiana for Week 16. The total number of mortalities in Indiana this flu season is 63.
- For Week 16 and among samples tested at the state lab: 5 specimens tested positive for 2009 A/H1N1pdm virus; 0 specimens tested positive for Influenza A/H3 seasonal virus; 0 specimens tested positive for Influenza A/H1 seasonal virus; 6 specimens tested positive for Influenza B seasonal virus; 1 specimen positive for influenza co-infection; and there were no inconclusive samples.

National (Week 16)

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

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILII
2015-16 Influenza Season Week 16 ending Apr 23, 2016



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- During Week 16, the majority of states are reporting minimal and low influenza activity. In addition, during Week 16, 2.0% of outpatient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to ILI. This is a decrease from the previous week (Week 15=2.1%) and is below the national baseline (2.1%).
- Four influenza-related pediatric deaths were reported for Week 16. The season mortality is at 60.
- The most frequently identified influenza virus type reported by public health laboratories during Week 16 was influenza B.

Resources:

1. <http://www.cdc.gov/media/releases/2016/flu-vaccine-60-percent.html>
2. <http://www.cdc.gov/flu/about/qa/misconceptions.htm>