

Influenza Situation Report

2016-2017 Seasonal Influenza Week 52

(Dec 25 2016 – Dec 31 2016)

Marion County Public Health Department, IN 2016-01-09

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

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Updates on Most Recent Local Activity: Week 01 (Jan 01 – Jan 07)

- The percent and count of ILI visits for this week (Week 01) are 0.8% and 97, respectively. These numbers imply that ILI is slightly lower this week and also lower for this time of year compared to the previous four flu seasons.

Local (Week 52)

- The percent and count of ED visits with a chief complaint of ILI was 0.9% and 105 of all ED visits, respectively.
- Children under the age of 5 have the highest age-specific percent ILI (4.0%).

Emergency Department Visits for Influenza-Like Illness

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

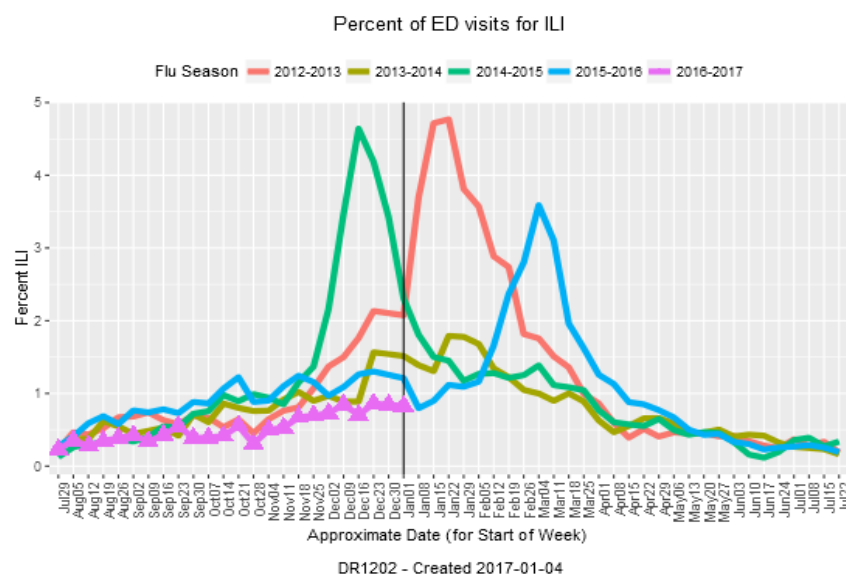
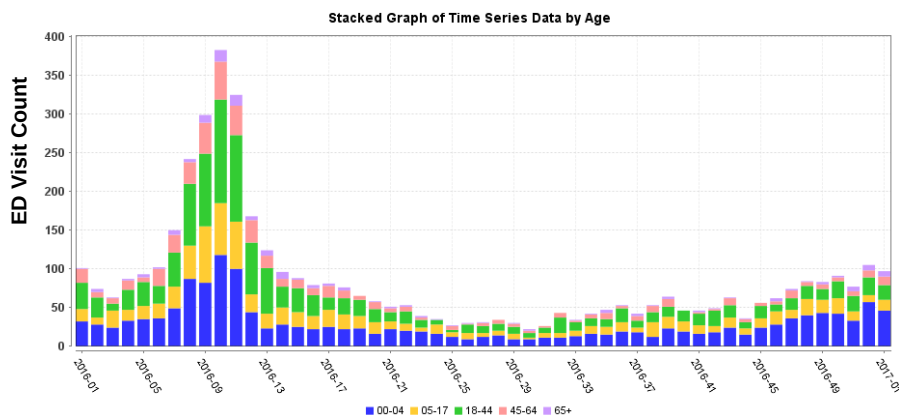


Table 1. Age group specific percent of ILI ED Visits at Marion County Hospitals, by Age Group

Age Group (years)	Week 52 %ILI	Week 48-51 Average %ILI (Avg.)
<5	4.0	3.3
5-17	0.9	1.5
18-44	0.5	0.4
45-64	0.3	0.2
65+	0.3	0.2
Total	0.9	0.7

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



Data Source: MCPHD ESSENCE

The overall percent ILI for Week 52 is 0.9% (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 52)

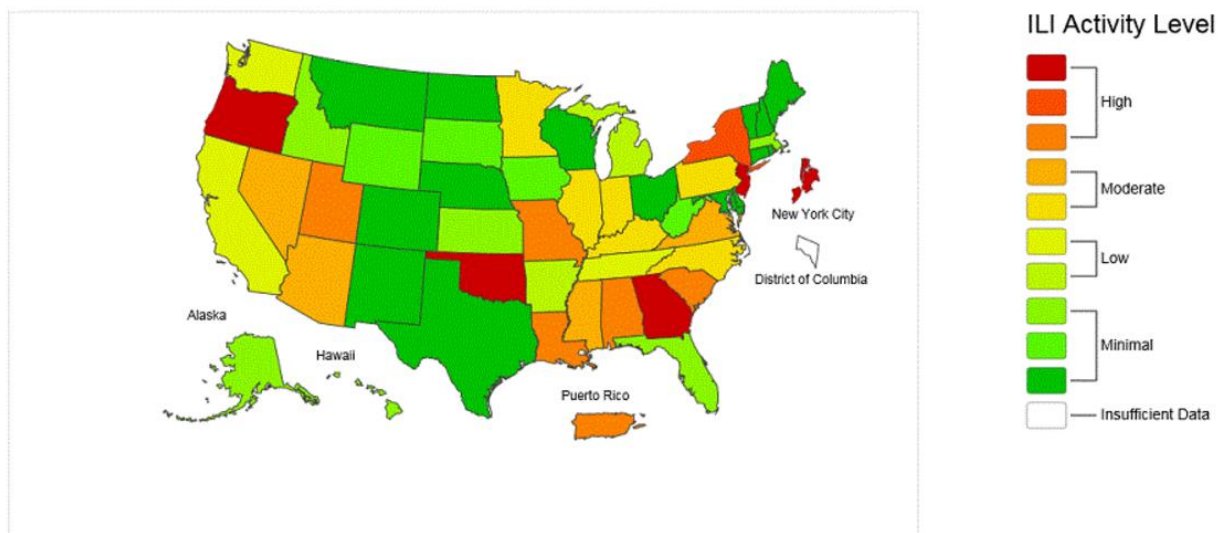
<http://www.in.gov/isdh/files/Weekly%20Influenza%20Report-Week%2052-2016-2017.pdf>

- Indiana is experiencing moderate and regional influenza activity. For Week 52, ISDH reports 3.45% ILI at sentinel provider sites and 1.71% ILI ED visits. This is a decrease in sentinel surveillance and a decrease in ED surveillance compared to last week.
- No deaths have been reported in Indiana for Week 52. The total number of mortalities in Indiana this flu season is 2.
- For Week 52 and among samples tested at the state lab: 1 specimens tested positive for 2009 A/H1N1pdm virus; 8 specimens tested positive for Influenza A/H3 seasonal virus; 0 specimens tested positive for Influenza A/H1 seasonal virus; 2 specimens tested positive for Influenza B seasonal virus.

National (Week 52)

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

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2016-17 Influenza Season Week 52 ending Dec 31, 2016



- During Week 52, the majority of states are reporting regional and moderate to high influenza activity. In addition, during Week 42, 3.4% of outpatient visits reported through the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet) were due to ILI. This is an increase from the previous week (Week 51=2.9%) and above the national baseline (2.2%).
- No influenza-associated pediatric deaths were reported to CDC during week 52. There have been 0 influenza-associated pediatric deaths reported during the 2016-2017 season.

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- The most frequently identified influenza virus type reported by public health laboratories during week 52 was influenza A (H3). The percentage of respiratory specimens testing positive for influenza in clinical laboratories increased. The number of specimens testing positive by virus type: Influenza A 2,702 (91.4%) and Influenza B 253 (8.6%).