



Indiana State Department of Health

Weekly Influenza Report

Week 5

Report Date: Friday, February 12, 2016

The purpose of this report is to describe the spread and prevalence of influenza-like illness (ILI) in Indiana. It is meant to provide local health departments, hospital administrators, health professionals and residents with a general understanding of the burden of ILI. Data from several surveillance programs are analyzed to produce this report. Data are provisional and may change as additional information is received, reviewed and verified. For questions regarding the data presented in this report, please call the ISDH Surveillance and Investigation Division at 317-233-7125.

WEEKLY OVERVIEW

Influenza-like Illness - Week Ending February 6, 2015	
ILI Geographic Distribution	Regional
ILI Activity Code	Minimal
Percent of ILI reported by sentinel outpatient providers	1.22%
Percent of ILI reported by emergency department chief complaints	1.42%
Percent positivity of influenza specimens tested at ISDH	41.67%
Number of influenza-associated deaths	2
Number of long-term care facility outbreaks	1
Number of school-wide outbreaks	2



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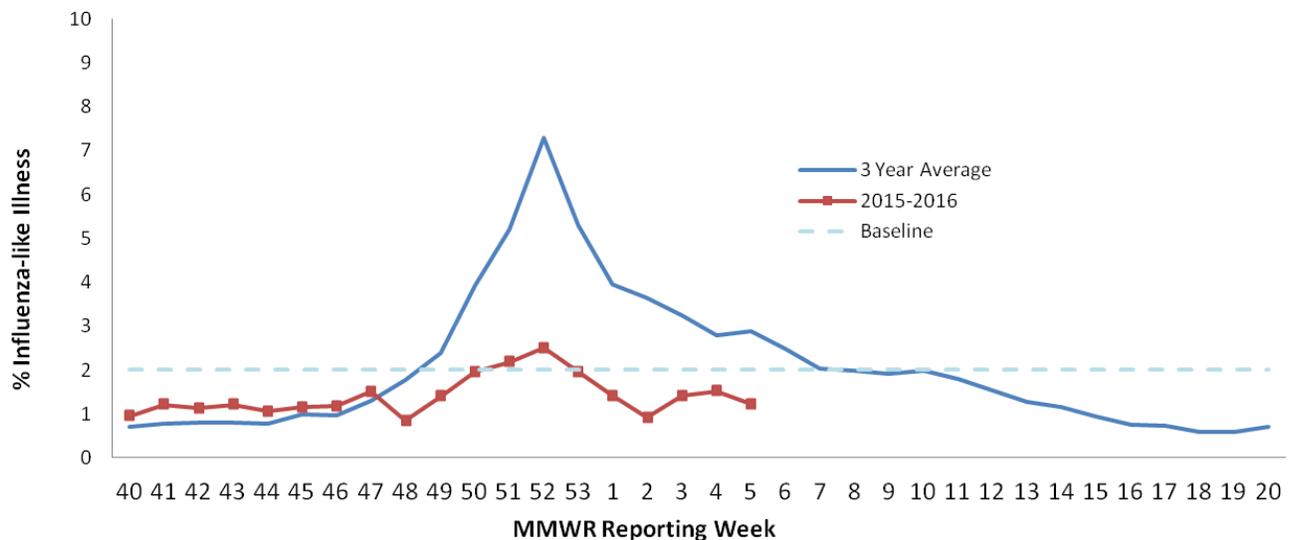
SENTINEL SURVEILLANCE SYSTEM

Data are obtained from sentinel outpatient providers participating in the U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet). Data are reported on a weekly basis for the previous Morbidity and Mortality Weekly Report (MMWR) Week by the sentinel sites and are subject to change as sites back-report or update previously submitted weekly data.

Percent of ILI Reported by Type of Sentinel Outpatient Facility, Indiana, 2015-2016 Season			
MMWR Week	All Reporters %ILI (n)	Universities %ILI (n)	Non-Universities %ILI (n)
5	1.22 (19)	1.66 (7)	0.91 (12)
4	1.52 (26)	2.68 (11)	0.80 (15)
3	1.42 (26)	2.52 (11)	0.80 (15)

Percent of ILI Reported by Age Category in Sentinel Outpatient Facilities, Indiana, 2015-2016 Season		
Age Category, years	Total Number of ILI	Percent of ILI
0-4	11	20.37%
5-24	36	66.67%
25-49	4	7.41%
50-64	2	3.70%
65+	1	1.85%
Total	54	--

Percent of Patients with Influenza-like Illness (ILI) in Provider Clinics, Indiana, 2015-2016





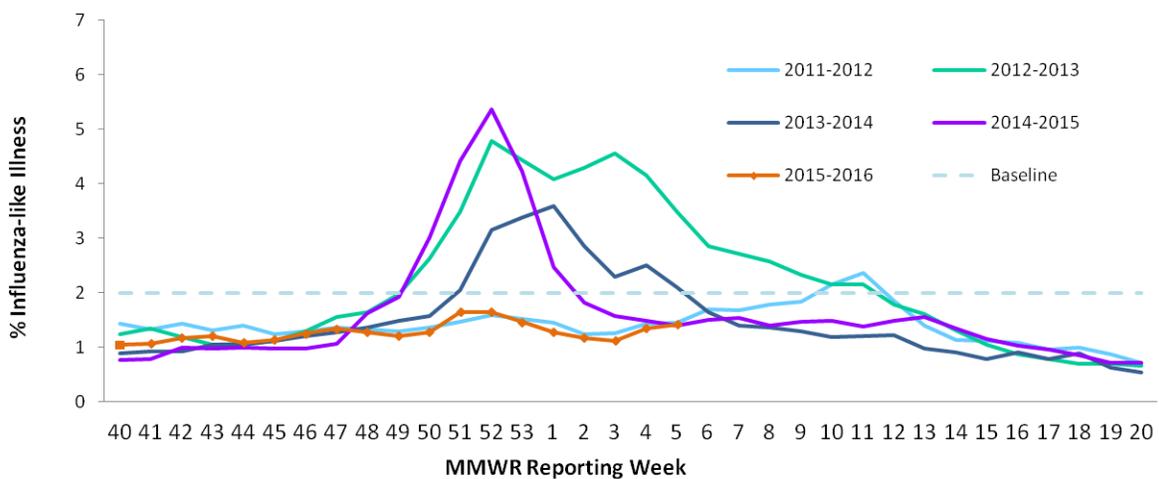
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SYNDROMIC SURVEILLANCE SYSTEM

Data are obtained from hospital emergency department chief complaint data through the Indiana Public Health Emergency Surveillance System (PHESS). Data are reported on a weekly basis for the previous Morbidity and Mortality Weekly Report (MMWR) Week and are subject to change as hospitals back-report or update previously submitted weekly data.

Percent of ILI Reported in Emergency Departments by District, Indiana, 2015-2016 Season		
	Previous MMWR Week	Current MMWR Week
Indiana	1.35%	1.42%
District 1	1.70	2.37
District 2	1.48	1.53
District 3	0.40	0.59
District 4	2.02	1.55
District 5	1.27	1.08
District 6	1.56	1.74
District 7	1.63	1.42
District 8	1.01	0.90
District 9	2.01	1.40
District 10	1.20	1.30

Percent of Patients with Influenza-Like Illness (ILI) Chief Complaint in Emergency Departments, Indiana, 2015-2016





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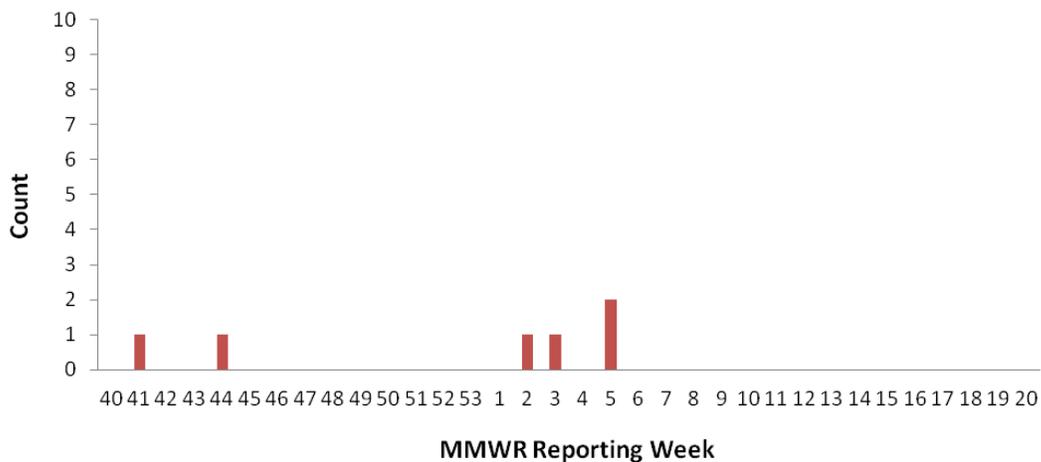
INFLUENZA-ASSOCIATED MORTALITY

Data are obtained from the Indiana National Electronic Disease Surveillance System (I-NEDSS). Influenza-associated deaths are reportable within 72 hours of knowledge; however, not all cases are reported in a timely manner so data in this report are subject to change as additional cases are back-reported.

Number of Laboratory Confirmed Influenza-Associated Deaths for All Ages, Indiana, 2015-2016 Season	
Age Category, years	Season Total
0-4	0
5-24	0
25-49	0
50-64	2
65+	4
Total	6

Counties with ≥5 Laboratory Confirmed Influenza-Associated Deaths for All Ages, 2015-2016 Season			
County	Season Total	County	Season Total

Number of Reported Influenza-Associated Deaths by Week of Death, All Ages, Indiana, 2015-16





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VIROLOGIC SURVEILLANCE

Circulating Influenza Viruses Detected by ISDH Laboratory*, Indiana, 2015-2016 Season				
PCR Result	Week 5		Season Total	
	Number	Percent of Specimens Received	Number	Percent of Specimens Received
2009 A/H1N1pdm virus	4	16.7%	18	8.1%
Influenza A/H3 seasonal virus	6	25%	34	15.3%
Influenza A/H1 seasonal virus	0	0%	0	0%
Influenza B seasonal virus	0	0%	3	1.4%
Influenza negative	13	54.2%	157	70.7%
Inconclusive	0	0%	2	<1.0%
Unsatisfactory specimen [†]	1	4.2%	8	3.6%
Influenza Co-infection ^Δ	0	0%	0	0%
Total	24	100%	222	100%

* Data obtained from the ISDH Laboratory via specimens submitted from the ISDH Sentinel Influenza Surveillance System and IN Sentinel Laboratories.

[†] Unsatisfactory specimens include specimens that leaked in transit, were too long in transit, or were inappropriately labeled.

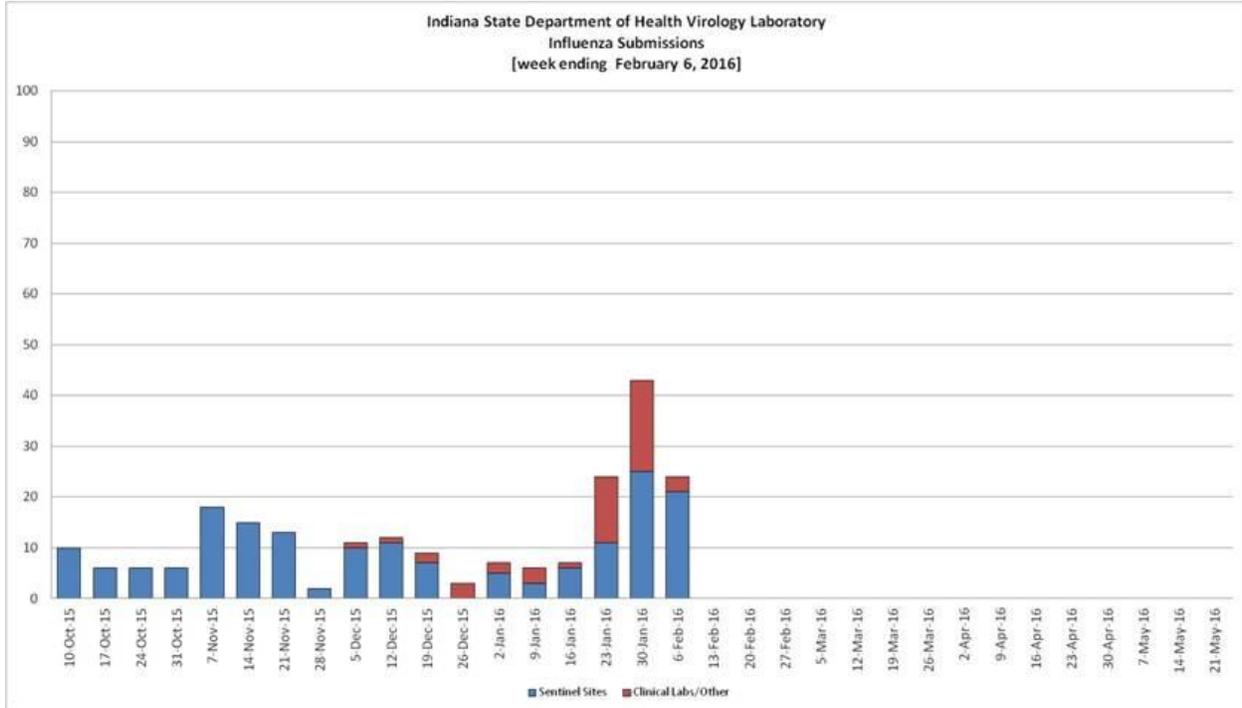
^Δ All previous-year co-infections have been influenza A/H3 and influenza B.

Circulating Non-Influenza Viruses Detected by the ISDH Laboratory, Indiana, 2015-2016 Season			
Result	Week 5	Season Total (Since 10/1/15)	Early Surveillance (9/1/15 - 9/30/15)
Adenovirus	0	4	0
Coronavirus 229E	0	0	0
Coronavirus HKU1	0	0	0
Coronavirus NL63	0	0	0
Coronavirus OC43	0	0	0
Enterovirus NOS	0	0	0
Enterovirus/Rhinovirus	0	2	1
Human Metapneumovirus	0	0	0
Parainfluenza 1 Virus	0	1	1
Parainfluenza 2 Virus	0	1	0
Parainfluenza 3 Virus	0	1	0
Parainfluenza 4 Virus	0	1	0
Rhinovirus	0	0	0
Respiratory Syncytial Virus	0	0	0
Total	0	10	2



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VIROLOGIC SURVEILLANCE (GRAPH)





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FLU REVIEW

Flu Vaccine Resources

- The 2016 Advisory Committee on Immunization Practices (ACIP) U.S. immunization schedules have been released; for links to the schedules and an overview of the 2016 changes, view the CDC articles on the [child \(0-18 years\)](#) and [adult \(≥19 years\)](#) recommended schedules.
- CDC has published a report concerning [vaccination coverage surveillance among U.S. adults in 2014](#), based on data from the National Health Interview Survey (NHIS). Influenza coverage among adults was 43.2%, which is similar to coverage in the 2012–13 season.
- The National Vaccine Program Office has developed a [National Adult Immunization Plan](#) to guide immunization efforts through the year 2020. The plan includes goals for influenza immunization rates, as well as information on influenza disparities and impact.

Flu News and Related Studies

- Influenza activity in the United States is still increasing, and influenza reports are above the national baseline. Three states have reported widespread flu activity, eighteen states (including Indiana) have reported regional flu activity, and sixteen states have reported local influenza activity. View the latest [FluView report](#) for more about current influenza activity, trends, and impact throughout the United States (CDC).
- A large-scale study of atrial fibrillation patients in Taiwan revealed that influenza infection is significantly associated with the development of atrial fibrillation. Influenza vaccination can reduce the risk of atrial fibrillation by lowering risk of influenza infection ([HeartRhythm](#)).
- Utilizing National Immunization Survey data, researchers determined that less than half of children 6 to 23 months in the United States are fully vaccinated against influenza, and significant racial disparities exist in influenza vaccination rates among this age group ([Pediatrics](#)).

For Further Information, Visit:

www.in.gov/isdh/25462.htm

www.cdc.gov/flu

www.flu.gov