



Indiana State Department of Health

Weekly Influenza Report

Week 17

Report Date: Friday, May 06, 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 April 30, 2016	
ILI Geographic Distribution	Sporadic
ILI Activity Code	Minimal
Percent of ILI reported by sentinel outpatient providers	1.06%
Percent of ILI reported by emergency department chief complaints	0.92%
Percent positivity of influenza specimens tested at ISDH	80%
Number of influenza-associated deaths to date	63
Number of long-term care facility outbreaks	0
Number of school-wide outbreaks	0



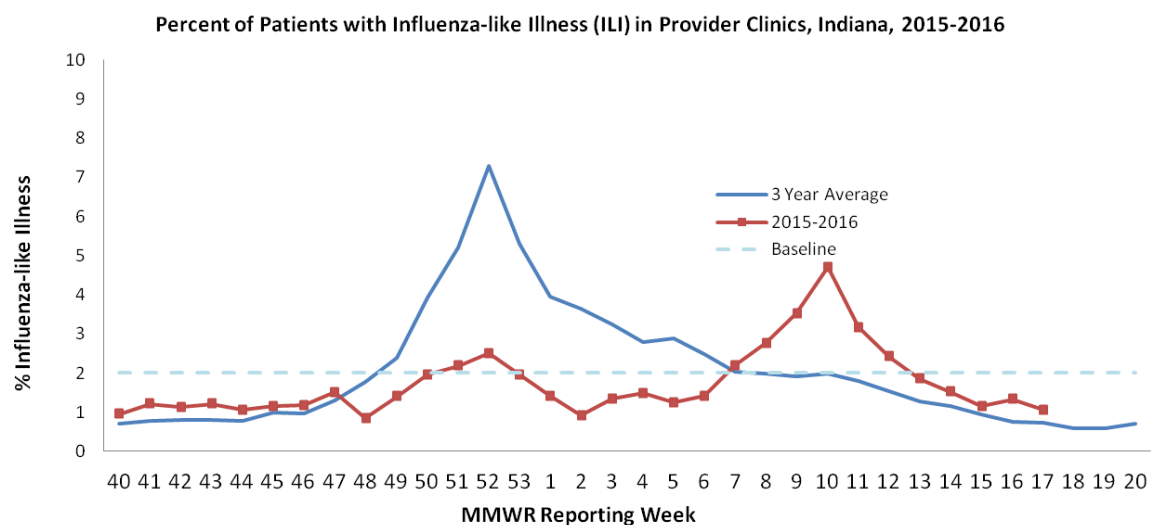
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SENTINEL SURVEILLANCE SYSTEM

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)
17	1.06% (18)	0.92% (6)	1.10% (12)
16	1.33 (23)	0.73 (6)	1.58 (17)
15	1.16 (24)	1.83 (7)	0.98 (17)

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	10	23.26%
5-24	27	62.79
25-49	2	4.65
50-64	4	9.30
65+	0	0
Total	43	--





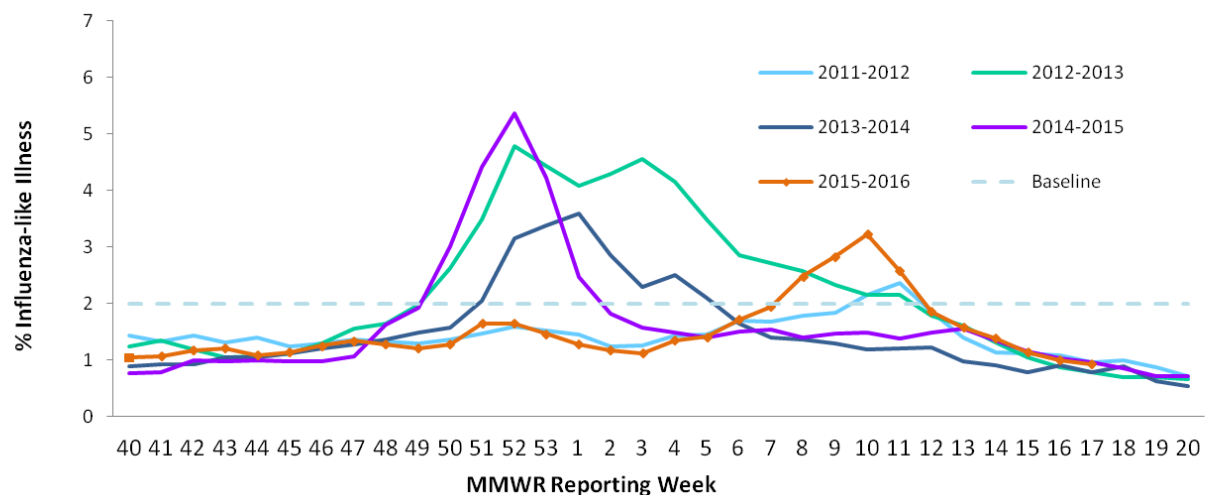
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SYNDROMIC SURVEILLANCE SYSTEM

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	0.99%	0.92%
District 1	0.92	0.77
District 2	0.90	0.86
District 3	0.63	0.36
District 4	1.18	1.32
District 5	0.94	0.95
District 6	1.22	1.40
District 7	0.78	0.56
District 8	1.24	1.21
District 9	1.50	1.03
District 10	1.02	0.91

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





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INFLUENZA-ASSOCIATED MORTALITY

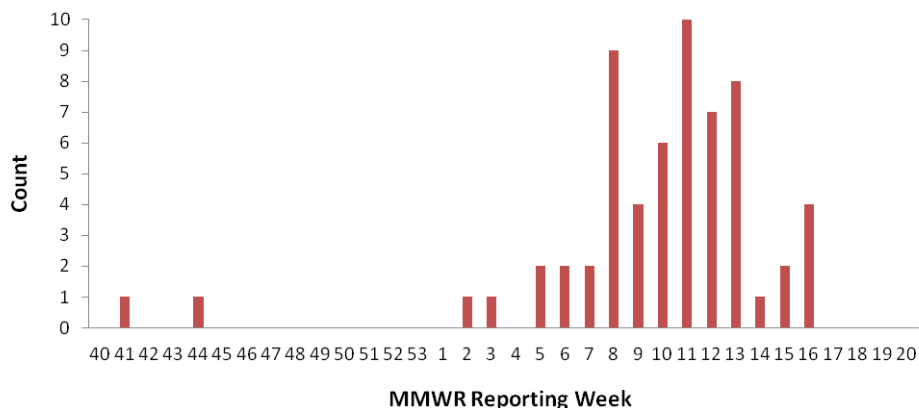
Data are obtained from the Indiana National Electronic Disease Surveillance System (I-NEDSS). Influenza-associated deaths are reportable within 72 hours of knowledge; however, not all cases are reported in a timely manner so data in this report are subject to change as additional cases are back-reported.

Number of Influenza-Associated Deaths for All Ages*, Indiana, 2015-2016 Season	
Age Category, years	Season Total
0-4	0
5-24	4
25-49	9
50-64	27
65+	23
Total	63

**Due to changes in the reporting rule as of 12/2015, influenza-associated deaths are reportable if either laboratory confirmed or listed as cause of death on death certificate. Therefore, case counts are not directly comparable to previous seasons in which influenza-associated deaths were only reportable by laboratory confirmation.*

Counties with ≥5 Laboratory Confirmed Influenza-Associated Deaths for All Ages, 2015-2016 Season			
County	Season Total	County	Season Total
Lake	8		
Marion	18		
Allen	6		

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 17		Season Total	
	Number	Percent of Specimens Received	Number	Percent of Specimens Received
2009 A/H1N1pdm virus	1	10%	226	35.9%
Influenza A/H3 seasonal virus	0	0%	71	11.3%
Influenza A/H1 seasonal virus	0	0%	0	0%
Influenza B seasonal virus	7	70%	56	8.9%
Influenza negative	2	20%	255	40.5%
Inconclusive	0	0%	8	1.3%
Unsatisfactory specimen [†]	0	0%	11	1.8%
Influenza Co-infection ^Δ	0	0%	2	<1%
Total	10	100%	629	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.

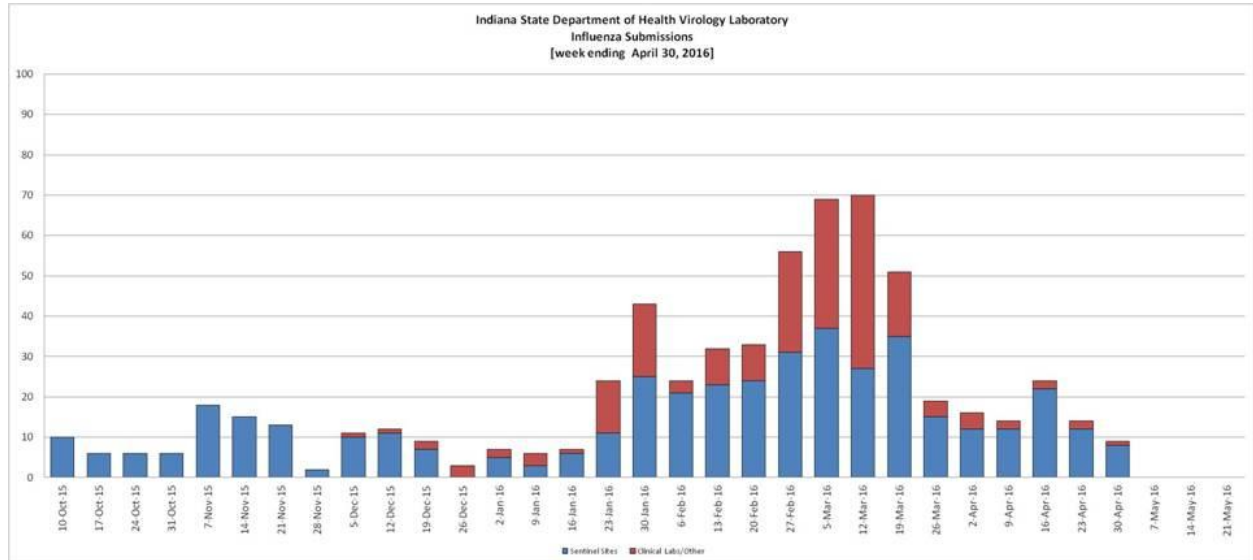
^Δ Both a co-infection of influenza A/H3: influenza A/H1N1pdm and influenza A/H1N1pdm: influenza B have been detected.

Circulating Non-Influenza Viruses Detected by the ISDH Laboratory, Indiana, 2015-2016 Season			
Result	Week 17	Season Total (Since 10/1/15)	Early Surveillance (9/1/15 - 9/30/15)
Adenovirus	1	10	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	1	2	0
Parainfluenza 4 Virus	0	1	0
Rhinovirus	0	0	0
Respiratory Syncytial Virus	0	2	0
Total	2	19	2



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VIROLOGIC SURVEILLANCE (GRAPH)





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FLU REVIEW

Flu Vaccine Resources

- The National Immunization Conference (NIC), hosted by the CDC will be held September 13-15, 2016 in Atlanta Georgia. Lectures will highlight: Adult Immunization; Immunization Information Systems; Programmatic Issues; Health and Risk Communications; Epidemiology and Surveillance; Childhood and Adolescent Immunization. More information can be found on the [NIC page](#).
- The next Advisory Committee on Immunization Practices (ACIP) meeting will be held on June 22 and 23, 2016. The scheduled agenda is currently posted on the [ACIP meeting page](#), and the live meeting recording, minutes, and presentation slides will be made available after the meeting. To listen to the meeting live, access the [call-in information](#) (registration not required).
- The National Conference for Immunization Coalitions and Partnerships will be held in the Hyatt Regency Hotel in Indianapolis, Indiana May 25-27, 2016. The key speaker will be Katie Van Tornhout, who received the 2015 Center for Disease Control's Childhood Immunization Champion Award for the State of Indiana.

Flu News and Related Studies

- Influenza activity in the United States continues to decrease, and remains at the national baseline. Influenza viruses may continue to circulate at low levels over the summer. View the [map](#) of weekly influenza activity in the U.S. and the latest [FluView](#) report for more about current influenza activity, trends, and impact throughout the United States (CDC).
- The CDC collaborated with global health partners and conducted a study to test the seasonality of influenza in tropic and sub-tropic climates. Seventy of the 138 tropic and sub-tropic countries were examined. Of these, 37 had a single, distinct peak of flu activity and 17 had two distinct peaks. The findings from this study suggest that flu vaccines could be given at select time periods to simplify operational directions; however, it is still recommended to follow the most recent World Health Organization (WHO) influenza vaccination recommendations ([PLOS ONE](#)).

For Further Information, Visit:

- www.in.gov/isdh/25462.htm
- www.cdc.gov/flu
- www.flu.gov