



# Indiana State Department of Health

## Weekly Influenza Report

### Week 3

Report Date: Friday, January 29, 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 January 23, 2016	
ILI Geographic Distribution	Local
ILI Activity Code	Minimal
Percent of ILI reported by sentinel outpatient providers	1.40%
Percent of ILI reported by emergency department chief complaints	1.14%
Percent positivity of influenza specimens tested at ISDH	41.67%
Number of influenza-associated deaths	1
Number of long-term care facility outbreaks	0
Number of school-wide outbreaks	0



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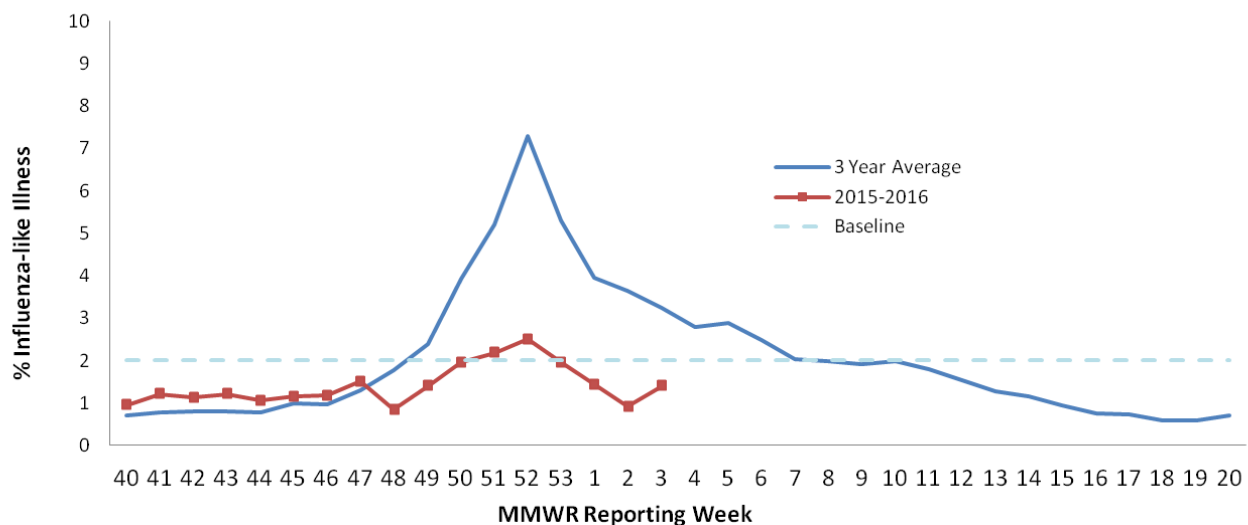
### SENTINEL SURVEILLANCE SYSTEM

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)
<b>03</b>	1.40 (22)	2.73 (9)	0.56 (13)
<b>02</b>	0.91 (27)	0.58 (9)	1.05 (18)
<b>01</b>	1.43 (28)	0.21 (10)	1.58 (18)

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	9	14.75%
5-24	48	78.69
25-49	2	3.28
50-64	1	1.64
65+	1	1.64
Total	61	--

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





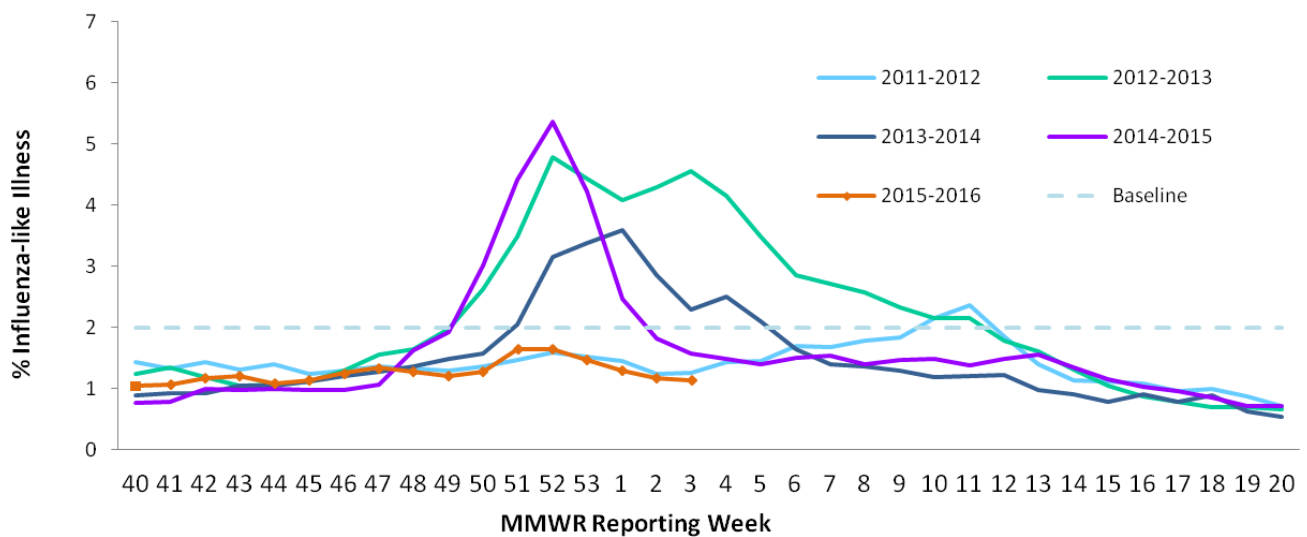
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## **SYNDROMIC SURVEILLANCE SYSTEM**

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	1.17%	1.14%
District 1	1.32	1.44
District 2	1.16	1.44
District 3	0.47	0.36
District 4	1.74	1.96
District 5	0.97	0.98
District 6	1.30	1.44
District 7	1.04	0.89
District 8	1.32	1.01
District 9	2.02	1.10
District 10	1.17	0.95

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





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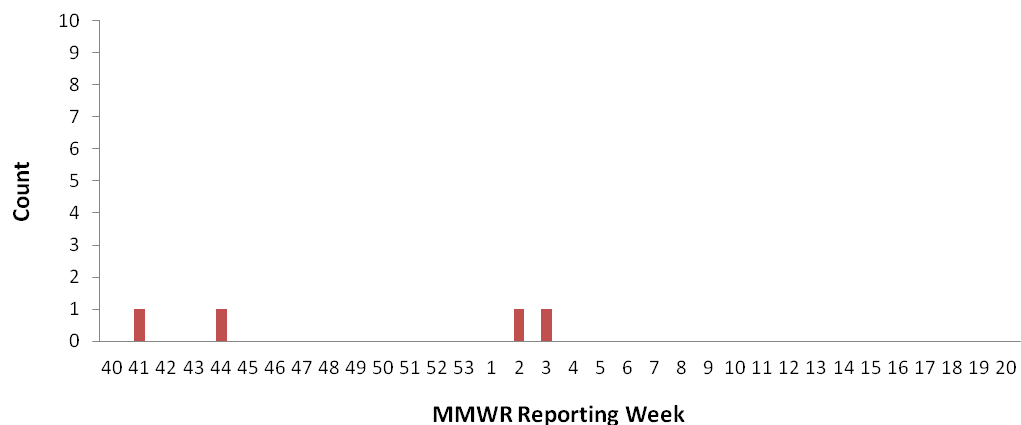
### **INFLUENZA-ASSOCIATED MORTALITY**

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 as 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+	2
Total	4

Counties with $\geq 5$ 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 3		Season Total	
	Number	Percent of Specimens Received	Number	Percent of Specimens Received
2009 A/H1N1pdm virus	1	4.2%	6	3.9%
Influenza A/H3 seasonal virus	9	37.5%	13	8.4%
Influenza A/H1 seasonal virus	0	0%	0	0%
Influenza B seasonal virus	0	0%	3	1.9%
Influenza negative	14	58.3%	126	81.3%
Inconclusive	0	0%	0	0%
Unsatisfactory specimen <sup>†</sup>	0	0%	7	4.5%
Influenza Co-infection <sup>Δ</sup>	0	0%	0	0%
<b>Total</b>	<b>24</b>	<b>100%</b>	<b>155</b>	<b>100%</b>

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

<sup>†</sup> Unsatisfactory specimens include specimens that leaked in transit, were too long in transit, or were inappropriately labeled.

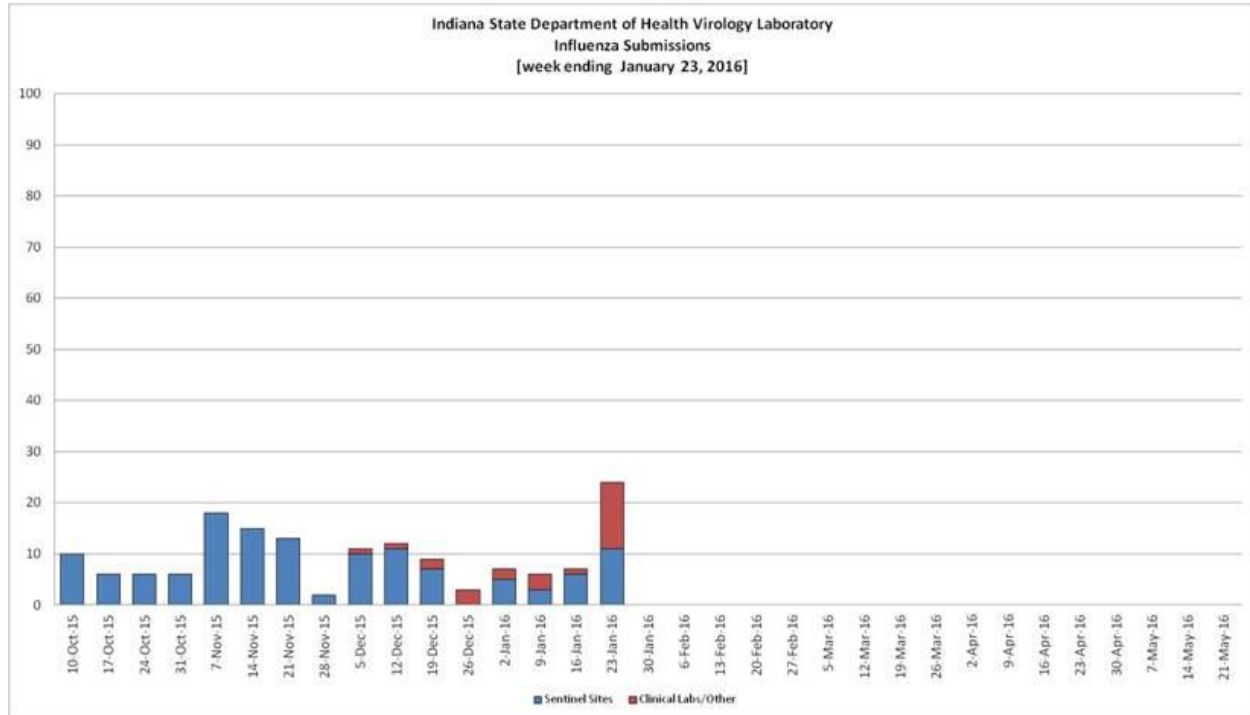
<sup>Δ</sup> All previous-year co-infections have been influenza A/H3 and influenza B.

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



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## VIROLOGIC SURVEILLANCE (GRAPH)





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### Flu Vaccine Resources

- VICNetwork is offering a one-hour webinar on February 4 beginning at 2:00 p.m. (ET). This webinar will feature resources and materials to help immunization providers highlight the importance of infant immunizations during National Infant Immunization Week (NIIW), which will take place April 16–23, 2016. Speakers for this webinar are Dave McCormick, director of the Indiana Immunization Division, Indiana Immunization Program Manager; Lisa Robertson, executive director, Indiana Immunization Coalition; and Jill Woodard, Northrop Grumman Health Research Associate, working at the National Center for Immunization and Respiratory Diseases. Visit the [NIIW homepage](#) for additional information and resources, and register [here](#).
- The [Influenza](#) section of the Immunization Action Coalition’s “Ask the Experts” feature has been updated, featuring provider questions ranging from common to complex, answered by experts from the National Center for Immunization and Respiratory Diseases.
- New [‘Seasonal Flu Video’](#) footage of work in the CDC’s influenza laboratory has been posted.

### Flu News and Related Studies

- Influenza activity in the United States is again increasing slightly, and the reported influenza rates are at the national baseline. Influenza A (H1N1) viruses are now the predominant viruses circulating; the H1N1 virus is included in this year’s seasonal flu vaccine. Thirteen states and one territory have reported at least regional levels of activity, and twelve states, including Indiana, and one territory reported local influenza activity. 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).
- In relation to the January 15 detection of avian influenza in southern Indiana, the CDC has released [“Information for People Exposed to Birds Infected with Avian Influenza Viruses.”](#) The risk to the general public is still considered to be low. For more about avian influenza in Indiana, visit the [ISDH avian influenza H7N8](#) page.
- A study conducted in the United Kingdom found that gradual, reactive school closures of short duration may be more effective at reducing influenza incidence than broader measures, and could make school closure policies more feasible ([PLOS Computational Biology](#)).

### For Further Information, Visit:

[www.in.gov/isdh/25462.htm](http://www.in.gov/isdh/25462.htm)

[www.cdc.gov/flu](http://www.cdc.gov/flu)

[www.flu.gov](http://www.flu.gov)