



# Indiana State Department of Health

## WEEKLY INFLUENZA REPORT

*Data as of Wednesday, November 3, 2011*

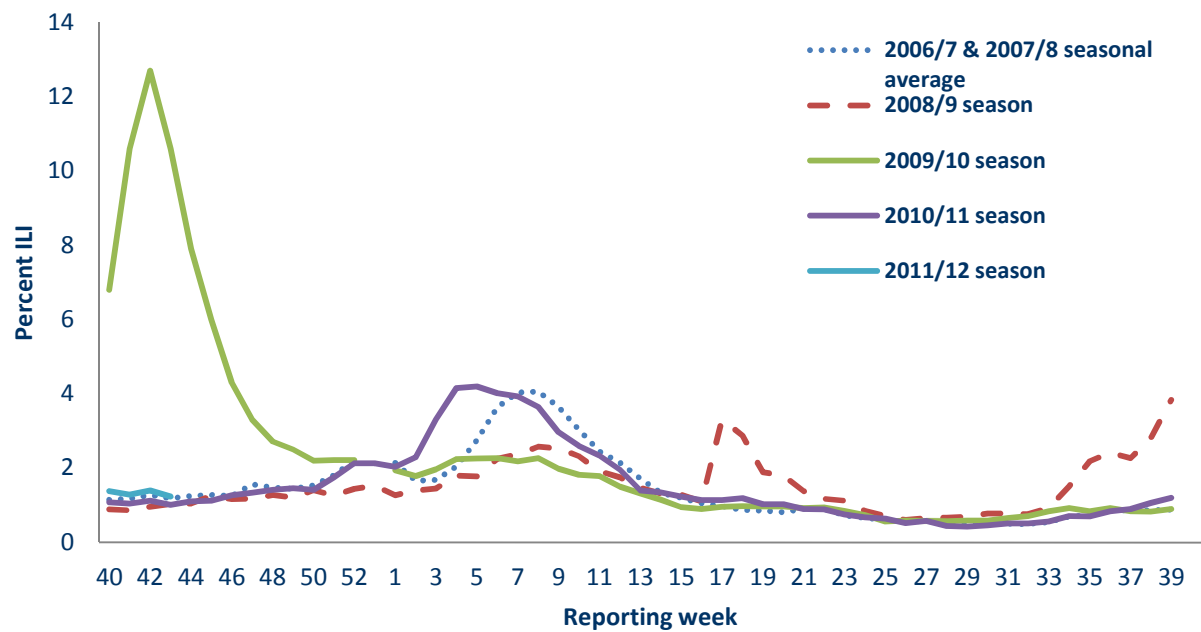
The following report is meant to provide local health departments, hospital administrators, and health professionals and residents with a general understanding of the burden of influenza-like illness (ILI). Data from several surveillance programs were utilized to produce this report. Currently, all influenza viruses circulating are not a, “novel” or new virus to humans. Should any changes occur, then enhanced surveillance methods will be implemented and incorporated into this report.

For further information about the data presented in this report, please call the ISDH Surveillance and Investigation Division at 317-233-7125.

### Key Points:

- The current percentage of ILI reported by the emergency department surveillance (ED) system (1.24%) and the sentinel surveillance system (.98%) is at baseline.
- During week 43, 0% (0/10) of specimens that were positive for seasonal influenza. One was positive Adenovirus.
- During week 43, 0 Indiana schools (K-12) reported that their absenteeism rate was 20% or higher.
- Universities and non-university facilities are experiencing similar levels of ILI in their communities.
- The Indiana State Department of Health Laboratory identified a suspect swine-origin influenza A virus on October 28, 2011. The specimen was forwarded to the CDC where genome sequencing confirmed the specimen to be positive for the presence of a triple reassortant H3N2 (S-OtrH3N2) influenza virus. The case has been investigated by ISDH Surveillance and Investigations Division, the Indiana State Department of Health Laboratory, and the CDC. The affected Local Health Department and BOAH have been notified and have been cooperative in the investigation. The case patient had very close contact with pigs in the week prior to illness onset. No illness has been reported in the case’s household or close contacts. This case is the 7th recognized case of human infection with S-OtrH3N2 with the M segment gene from the pH1N1virus (previously identified in Maine [2], Indiana [1], and Pennsylvania [3]) in 2011. This case from Indiana marks the second case in the past 3 months and the 15th human case of S-OtrH3N2 reported to CDC since 2005. No community transmission has been documented in this case. General information about swine influenza is available at <http://www.cdc.gov/flu/swineflu/>.

Percent of patients who presented at an emergency department (ED) with a chief complaint relating to influenza-like illness – Indiana, 20011/12 & 2010/2009, 2009/10, 2008/9 seasons, 2006/7 & 2007/8 seasonal averages.\*† (EDs currently reporting = 113) Health District-level data is available at the end of this report.



\*Data obtained from the ISDH Public Health Emergency Surveillance System (PHESS). The 2008/9 season had a “Week 53” which the 2006/7 and 2007/8 seasons did not have, explaining the break in the seasonal average line.  
† PHESS data is very timely, so the data reported is for the most current week.

Key Findings

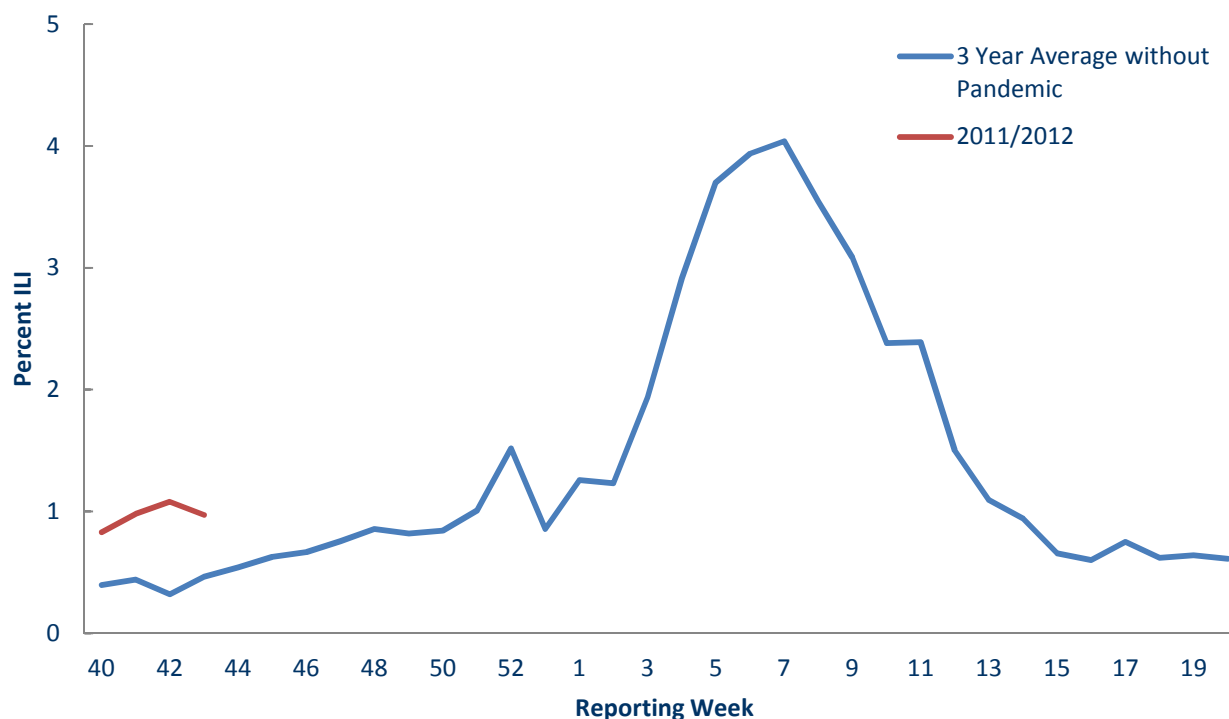
- The current percentage of ILI reported by the emergency department surveillance (ED) system (1.24) which is at baseline.

Sentinel reported influenza-like illness by sentinel type and reporting week with number of reporting sites Indiana, 2011/12 season.\*

Reporting Week	All Reporters (%ILI)	Universities (%ILI)	Non-Universities (%ILI)
Week 43	.97 (34)	2.12 (09)	.5 (25)
Week 42	1.08 (41)	1.72 (10)	.96 (31)
Week 41	.98 (43)	1.48 (10)	.8 (33)

- \*Data obtained from the ISDH Sentinel Influenza Surveillance System. This data is subject to change as sentinel sites can back-date their weekly reports.

Percent of patients who presented at sentinel provider clinics with symptoms relating to influenza-like illness – Indiana, 2011/2012 data vs. 2006/07 -2010/2011 seasonal averages. 2009/2010 season excluded due to the pandemic\*† (Number of sentinel provider clinics who reported this week = 34)



\*Data obtained from the ISDH Sentinel Influenza Surveillance System. No data is available for weeks 21-39 during the 2006/7 and 2007/8 seasons due to decreased reporting during traditionally non-influenza months.

†Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.

Sentinel reported influenza-like illness (ILI) by age category for the most current week reported – Indiana, 2010-11 season.\*†

Age category (yrs)	Total number with ILI	Percent with ILI
0–4	26	30.5
5–24	43	50.5
25–49	10	11.8
50–64	5	6.0
65+	1	1.2
<b>Total</b>	<b>85</b>	<b>100.0</b>

\*Data obtained from the ISDH Sentinel Influenza Surveillance System.

\*Sentinel data has limited timeliness, so the data reported is for the week before the most current week. This data is subject to change as sentinel sites can back-date their weekly reports.

## Key Findings

- The percent of patients presenting at sentinel providers with ILI is at baseline.
- Universities and non-universities are experiencing similar levels of ILI in their population.

### Sentinel and ED influenza-like illness percentages by reporting week Indiana, 2011/12 season.

Reporting Week	ED Surveillance (%ILI)	Sentinel Surveillance (%ILI)
Week 43	1.24	.97
Week 42	1.40	1.08
Week 41	1.29	.98

### Number of new deaths associated with laboratory confirmed influenza, by age category – Indiana, November 3, 2011

This week's numbers			Numbers since October 2, 2010	
	Age category (yrs)	Total number	Age category (yrs)	Total number (2009 A/H1N1pdm case)
Number of deaths associated with influenza	0-4	0 (0)	0-4	0 (0)
	5-18	0 (0)	5-18	0 (0)
	19-24	0 (0)	19-24	0 (0)
	25-49	0 (0)	25-49	0 (0)
	50-64	0 (0)	50-64	0 (0)
	65+	0 (0)	65+	0 (0)
	Unknown	0 (0)	Unknown	0 (0)
	<b>Total</b>	<b>0 (0)</b>	<b>Total</b>	<b>0 (0)</b>

## Key Findings:

- Zero confirmed influenza-related deaths were reported during Week 43.

### Number of schools (K-12) reporting a 20% or more absenteeism rate – Indiana, 2011/12 school year\*

Health District†	Current Week	Total since September 14, 2009
1	0	0
2	0	0
3	0	0
4	0	0
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
<b>Total</b>	<b>0</b>	<b>0</b>

*\*Data is self reported by schools to the Indiana Department of Education and/or to their local health department. Schools report children absent due to any illness, not just influenza-like illness.*

*†A map of what counties are included in each Health District is included at the end of this report.*

**ISDH Laboratory data regarding circulating influenza viruses – Indiana, 2011/12 influenza season.\***

PCR Result	This week's total		2012 total	
	Number	Percent of specimens received	Number	Percent of specimens received
2009 A/H1N1pdm virus	0	0%	0	0%
Influenza A/H3 seasonal virus	0	0%	1	2.6%
Influenza A/H1 seasonal virus	0	0%	0	0%
Influenza B seasonal virus	0	0%	0	0%
Influenza negative	9	90%	36	94.8%
Inconclusive ‡	1	10%	1	2.6%
Unsatisfactory specimen†	0	0%	0	0%
<b>Total</b>	<b>10</b>	<b>100%</b>	<b>38</b>	<b>100%</b>

*\*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.*

*‡ The Indiana State Department of Health Laboratory identified a suspect swine-origin influenza A virus on October 28, 2011. The specimen was forwarded to the CDC where genome sequencing confirmed the specimen to be positive for the presence of a triple reassortant H3N2 (SotrH3N2) influenza virus.*

**2009 H1N1pdm-positive samples by age group – Indiana, 2011/12 influenza season.\***

This week's numbers				2012 totals	
	Age category (yrs)	Total number	Percent by age group	Total number	Percent by age group
<b>2009 H1N1pdm-positive specimens</b>	0-4	0	0%	0	0%
	5-18	0	0%	0	0%
	19-24	0	0%	0	0%
	25-49	0	0%	0	0%
	50-64	0	0%	0	0%
	65+	0	0%	0	0%
	Unknown	0	0%	0	0%
	<b>Total</b>	<b>0</b>	<b>0%</b>	<b>0</b>	<b>0%</b>

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

**OTHER CIRCULATING VIRUSES RECENTLY IDENTIFIED BY THE ISDH LABORATORY:**

<b>Other Respiratory Viruses</b>	<b>This Week</b>	<b>2012 Total</b>	<b>Summer Surveillance (May-Sept 2011)</b>
<b>Adenovirus</b>	1	2	3
<b>Coxsackie A Virus</b>	0	0	3
<b>Coxsackie B Virus</b>	0	0	0
<b>Echovirus</b>	0	0	0
<b>Enterovirus NOS</b>	0	0	0
<b>Parainfluenza 1 Virus</b>	0	0	2
<b>Parainfluenza 2 Virus</b>	0	1	0
<b>Parainfluenza 3 Virus</b>	0	0	1
<b>Rhinovirus</b>	0	0	3
<b>Total</b>	<b>1</b>	<b>3</b>	<b>12</b>