



Indiana State Department of Health

WEEKLY INFLUENZA REPORT

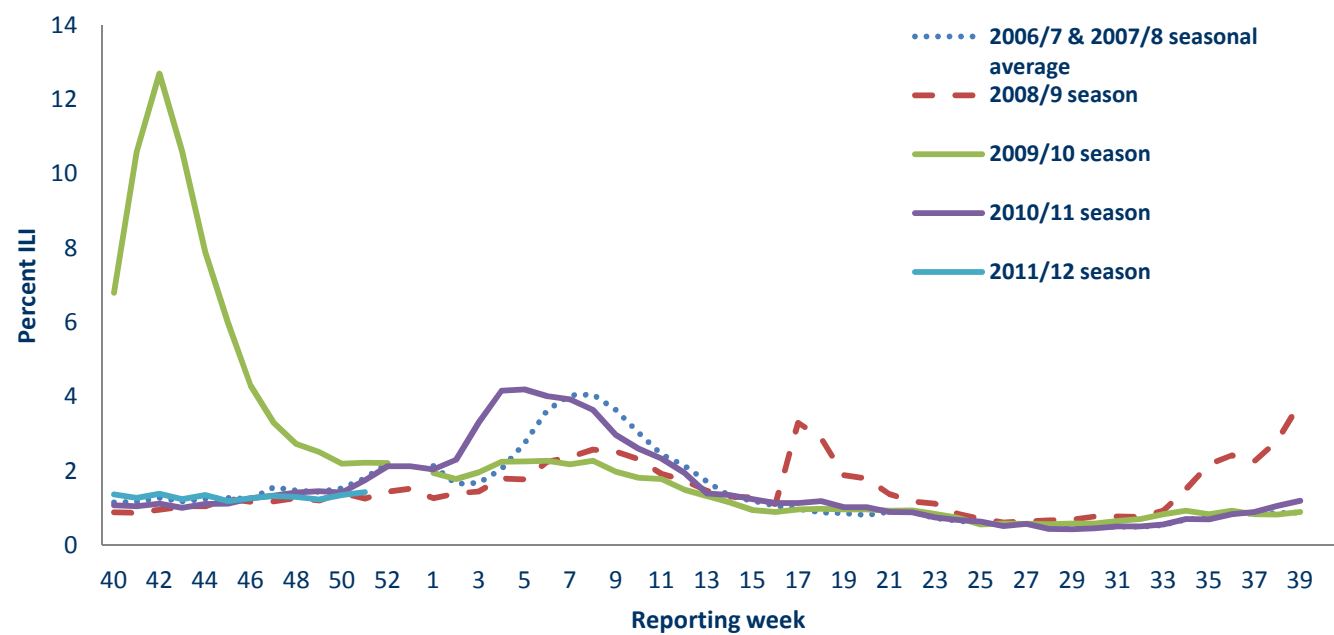
Data as of Wednesday, December 28, 2011

The following report is meant to provide local health departments, hospital administrators, 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. 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 (1.43%) and the sentinel surveillance system (.65%) is below baseline.
- During week 51, 25% (1/4) of specimens that were submitted for influenza surveillance were positive for seasonal influenza. Two of the four specimens were positive for Adenovirus.
- During week 51, 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.
- Discussions were held among U.S. and international organizations to determine what to call a non-human influenza virus that is detected in humans. Following discussions with the World Health Organization (WHO), the World Organization for Animal Health (OIE), the Food and Agriculture Organization (FAO) and other U.S. Federal agencies, influenza viruses that originate in swine but that are identified in humans will now be referred to as “variant” viruses and denoted with a “v.” Since August 2011, 12 cases of human infection with an influenza A (H3N2) virus with avian, swine and human genes that has been found in U.S. swine have been detected. In the past, these viruses have been called “triple reassortant swine origin viruses”. Following the new naming convention, the H3N2 virus detected in 12 people in the U.S. will now be called an “influenza A (H3N2) variant virus with genes from avian, swine and human viruses,” and will be abbreviated “A (H3N2)v” for scientific purposes and “H3N2v” for general public use.

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)



**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

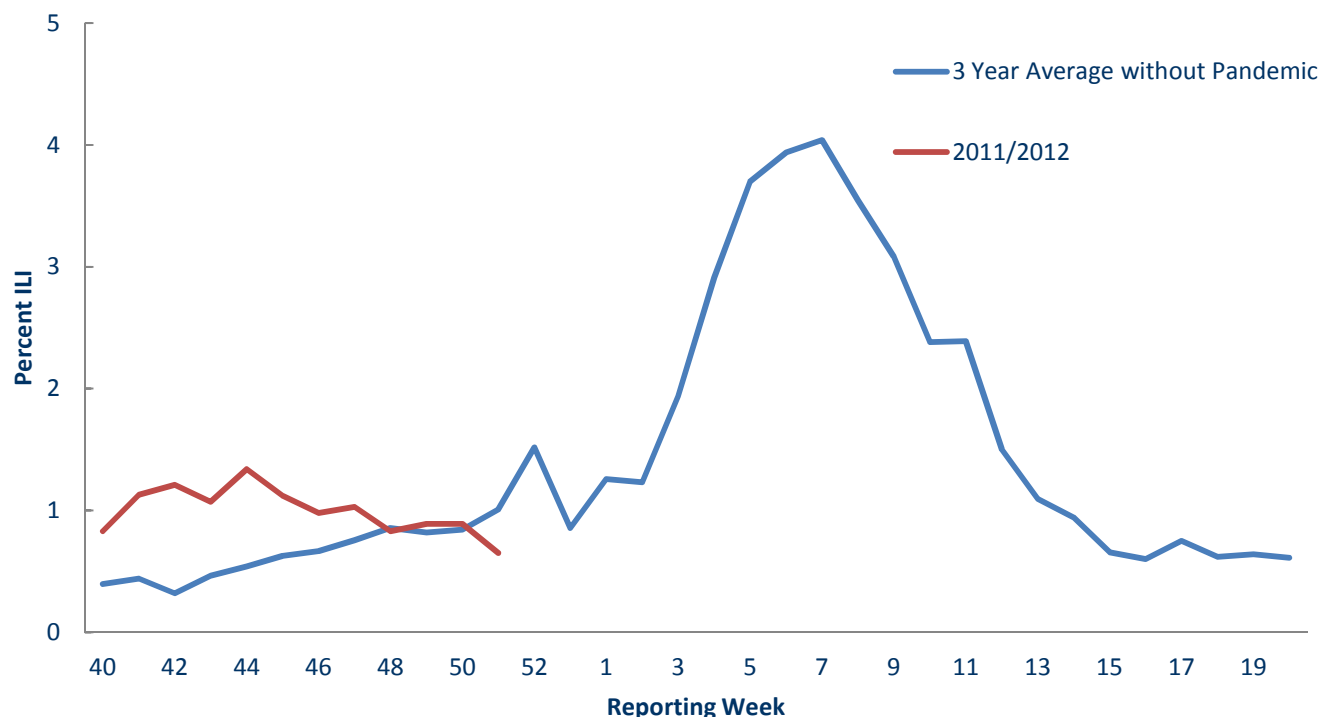
- The current percentage of ILI reported by the emergency department surveillance (ED) system (1.43) which is at baseline.

**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 51	.65 (20)	2.4 (5)	.46 (15)
Week 50	.89 (33)	1.18(7)	.83 (26)
Week 49	.89 (37)	1.24 (9)	.79 (28)

**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 = 33)



*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.

Sentinel reported influenza-like illness (ILI) by age category for the most current week reported – Indiana, 2011-12 season.*†

Age category (yrs)	Total number with ILI	Percent with ILI
0–4	3	16
5–24	7	37
25–49	7	37
50–64	1	5
65+	1	5
Total	19	100

*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 below 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 51	1.43	.65
Week 50	1.35	.89
Week 49	1.23	.89

Number of new deaths associated with laboratory confirmed influenza, by age category – Indiana, December 28, 2011

This week's numbers			Numbers since October 2, 2011	
Number of deaths associated with influenza	Age category (yrs)	Total number	Age category (yrs)	Total number (2009 A/H1N1pdm case)
	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)
	Total	0 (0)	Total	0 (0)

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
Total	0	0

**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.*

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%	1	1.1%
Influenza A/H3 seasonal virus	1	25%	6	6.3%
Influenza A/H1 seasonal virus	0	0%	0	0%
Influenza B seasonal virus	0	0%	0	0%
Influenza negative	3	75%	86	90.5%
Inconclusive §	0	0%	1	1.1%
Unsatisfactory specimen†	0	0%	1	1.1%
Total	4	100%	95	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.

§ The inconclusive result was a human infection with a novel influenza A virus was identified on October 28, 2011 through laboratory surveillance at the Indiana State Department of Health Laboratory. The specimen was sent to the CDC and confirmed the specimen was 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	
2009 H1N1pdm-positive specimens	Age category (yrs)	Total number	Percent by age group	Total number	Percent by age group
	0-4	0	100%	1	100%
	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%
	Total	0	100%	1	100%

*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:

Other Respiratory Viruses	This Week	2012 Total	Summer Surveillance (May-Sept 2011)
Adenovirus	2	9	3
Coxsackie A Virus	0	0	3
Coxsackie B Virus	0	1	0
Echovirus	0	0	0
Enterovirus NOS	0	0	0
Parainfluenza 1 Virus	0	2	2
Parainfluenza 2 Virus	0	1	0
Parainfluenza 3 Virus	0	0	1
Rhinovirus	0	8	3
Human Metapneumovirus	0	3	0
Total	2	24	12