



Indiana State Department of Health

WEEKLY INFLUENZA REPORT

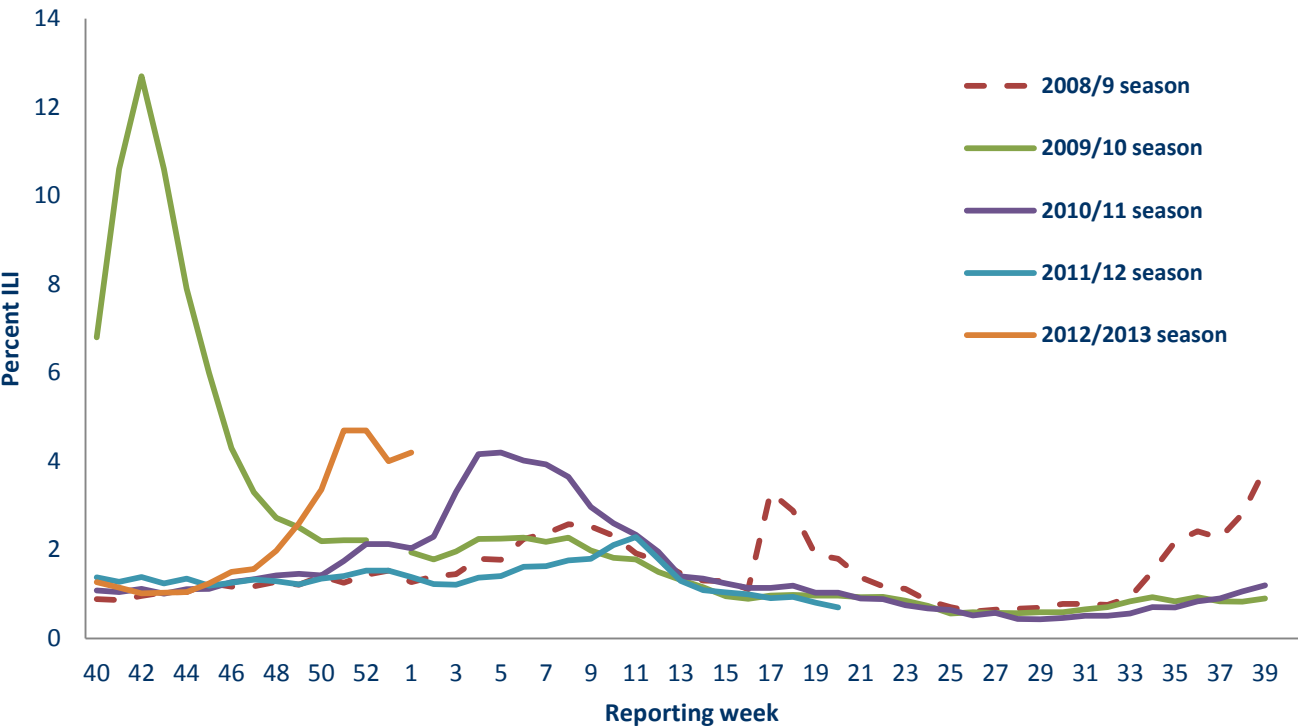
Data as of Wednesday, January 16, 2013

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 was (4.2 %) and by the sentinel surveillance system was (4.07%). Widespread and moderate influenza activity was reported to the CDC.
- During week 02, 63% (26/41) specimens were positive for influenza. Twenty-one were positive for influenza A/H3, one was positive for Influenza A /H1N1pdm virus, three were positive for influenza B, and one was positive for both influenza A/ H3 and influenza B.
- Seventeen adult influenza-associated deaths were officially reported in week 02. A total of 27 influenza deaths have been reported for the 2012/2013 season. Two are under 18 years of age.
- All physicians, laboratories and hospitals are to report influenza-associated deaths to local health department within 72 hours of knowledge of death.
- Nine of the reported deaths were vaccinated with a 2012/2013 influenza vaccine. The vaccination status was unknown for fifteen cases, and three were documented as unvaccinated.
- The ISDH does not report the number of deaths in each county until five deaths have occurred in a specific county. No county in Indiana has had five reported deaths.
- Twenty of the deaths had underlying medical conditions. The most common underlying medical conditions reported were cardiac disease, COPD, diabetes mellitus, asthma, metabolic disorder, and renal disease.
- The most common complication reported during acute illness was acute respiratory distress syndrome and pneumonia.
- The ISDH, in cooperation with local health departments, has followed up with 17 Indiana long term care (LTC) facilities reporting respiratory illnesses. The ISDH Laboratory has identified influenza A/ H3 in patient specimens from seven of the facilities. Twenty five specimens have been obtained from 7 LTC's reporting respiratory illness. In 2 of the facilities, two patients have been identified as being positive for both influenza A/ H3 and influenza B. Both co-infected patients died. Two LTC's reporting respiratory illness that had negative specimens are being tested further to assist in identifying other respiratory viruses that may be circulating.
- The ISDH sent a newsletter to all LTC facilities on Friday, January 11 updating the facilities about influenza activity with suggestions on how to decrease transmission and a reminder to offer flu vaccine to staff and residents.

Percent of patients who presented at an emergency department (ED) with a chief complaint relating to influenza-like illness – Indiana, 2012/2013, 2011/12, 2010/2009, 2009/10, 2008/9 seasons (EDs currently reporting = 104)



*Data obtained from the ISDH Public Health Emergency Surveillance System (PHESS).

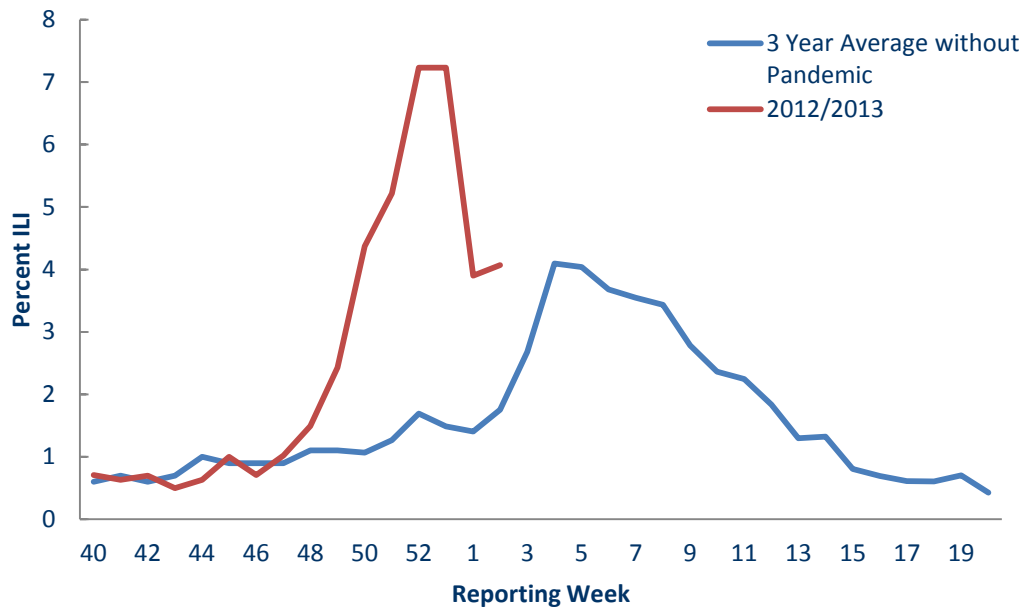
† PHESS data is very timely, so the data reported is for the most current week.

Sentinel reported influenza-like illness by sentinel type and reporting week with number of reporting sites Indiana, 2012/13 season.*

Reporting Week	All Reporters %ILI	Universities %ILI	Non-Universities %ILI
Week 02	4.07	3.71	4.14
Week 01	3.90	.42	4.03
Week 52	7.23	0	7.30

*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, and a three year baseline average, 2009/2010 season excluded due to the pandemic*†
(Number of sentinel provider clinics who reported this week = 30)**



*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.

ISDH Laboratory data regarding circulating influenza viruses – Indiana, 2012/13 influenza season.*

PCR Result	This week's total		2013 total	
	Number	Percent of specimens received	Number	Percent of specimens received
2009 A/H1N1pdm virus	1	2.4%	2	<1.0%
Influenza A/H3 seasonal virus	21	51.2%	300	67.4%
Influenza A/H1 seasonal virus	0	0%	0	0%
Influenza B seasonal virus	3	7.3%	18	4.0%
Influenza negative	15	36.6%	102	22.9%
Inconclusive	0	0%	4	<1.0%
Unsatisfactory specimen†	0	0%	15	3.4%
Influenza Co-infection ^A	1	2.4%	4	<1.0%
Total	41	100%	445	100%

Δ All co-infections have been influenza A/H3 and influenza 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.

OTHER CIRCULATING VIRUSES RECENTLY IDENTIFIED BY THE ISDH LABORATORY:

Other Respiratory Viruses	This Week	2013 Total (Since Oct. 1, 2012)	Early Surveillance (Sept 1-30, 2012)
Adenovirus	0	3	1
Coxsackie A Virus	0	0	0
Coxsackie B Virus	0	0	0
Echovirus	0	0	0
Enterovirus NOS	0	3	1
Parainfluenza 1 Virus	0	1	1
Parainfluenza 2 Virus	0	4	1
Parainfluenza 3 Virus	0	1	2
Rhinovirus	0	0	1
Human Metapneumovirus	0	0	0
Respiratory Syncytial Virus	0	6	1
Total	0	18	8

Sentinel reported influenza-like illness (ILI) by age category for the most current week reported – Indiana, 2012-13 season.

Age category (yrs)	Total number with ILI	Percent with ILI
0–4	20	6
5–24	137	44
25–49	110	35
50–64	35	11
65+	11	4
Total	313	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.

Sentinel and ED influenza-like illness percentages by reporting week Indiana, 2012/13 season.

Reporting Week	ED Surveillance %ILI	Sentinel Surveillance %ILI
Week 02	4.2	4.07
Week 01	4.0	3.90
Week 52	4.7	7.23

**Number of 2012/2013 deaths associated with laboratory confirmed influenza, by age category –
Indiana, January 16, 2013**

	Age category (yrs)	Total number this week	Season Total
Number of deaths associated with influenza	0-4	0	0
	5-18	0	2
	19-24	0	0
	25-49	0	0
	50-64	1	2
	65+	16	23
	Unknown	0	0
	Total	17	27

Number of schools (K-12) reporting a 20% or more absenteeism rate – Indiana, 2012/13 school year*

Health District†	Current Week	Total
1	0	0
2	0	0
3	1	1
4	0	1
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
Total	0	2

