



# Indiana State Department of Health

## WEEKLY INFLUENZA REPORT

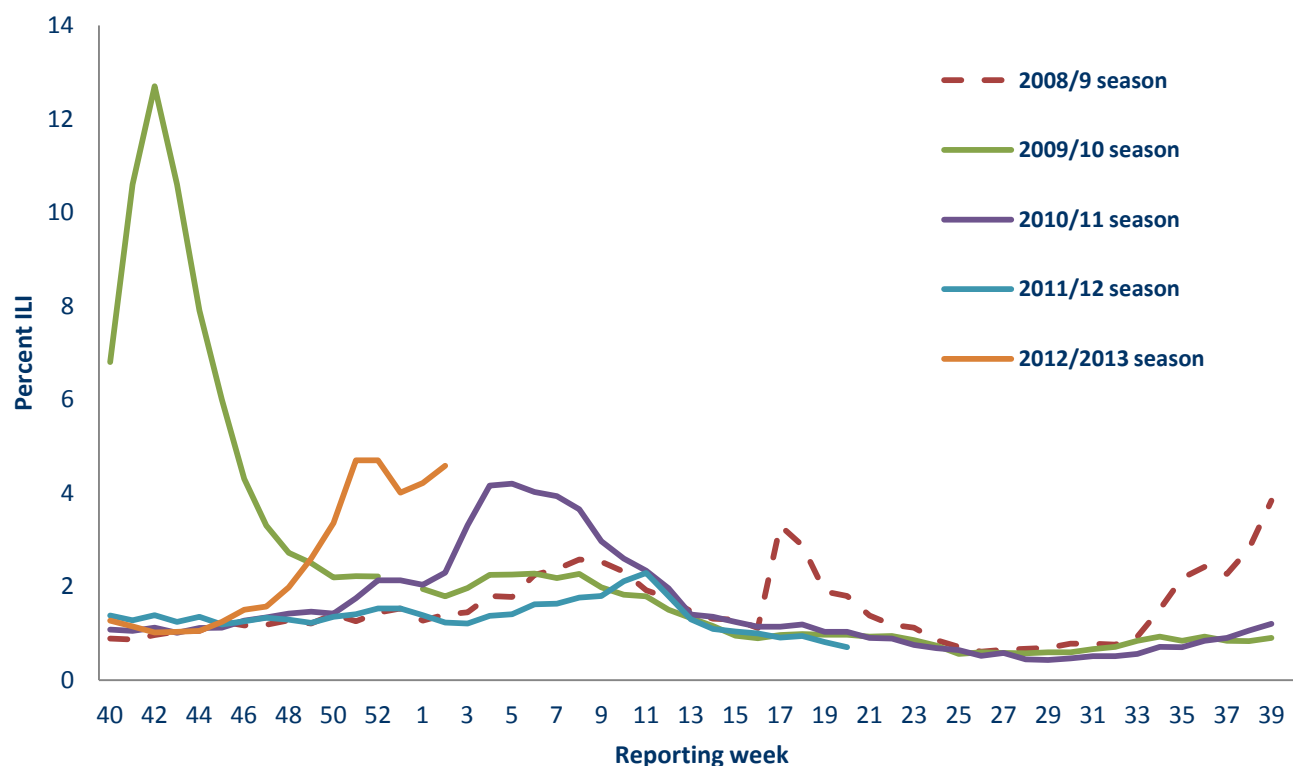
*Data as of Wednesday, January 23, 2013*

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 (4.58 %) and by the sentinel surveillance system was (4%). Widespread and high influenza activity was reported to the CDC.
- During week 03, 44% (29/66) specimens were positive for influenza. Twenty-seven were positive for influenza A/H3, one was positive for Influenza A/H1N1pdm virus, one was positive for influenza B, and one was positive for influenza B. The percentage of positive specimens decreased from the previous week.
- Two specimens for persons 65 and older were identified as Respiratory Syncytial Virus (RSV.)
- Thirteen adult influenza-associated deaths were officially reported in week 03. A total of 40 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.
- Fourteen of the reported deaths were vaccinated with a 2012/2013 influenza vaccine. The vaccination status was unknown for sixteen cases, and ten 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. Marion County now has had five reported deaths.
- Thirty eight of the deaths had underlying medical conditions. The remaining 2 deaths did not indicate there were underlying medical conditions. Nine of the deaths had 1 underlying medical condition. The most commonly reported single underlying medical conditions were Cardiac Disease (3), Diabetes (3), Asthma (2) and Renal Disease (1). Twelve persons had two underlying medical conditions, thirteen had three underlying medical conditions and three had four or more underlying medical conditions. The most common underlying medical conditions reported (listed in order of most to least reported) were cardiac disease, diabetes mellitus, COPD, Renal Disease, HTN, Cancer, asthma, metabolic disorder, dementia, neuromuscular disease, and Down's Syndrome.
- The most common complication reported during acute illness was acute respiratory distress syndrome and pneumonia. Other complications collected on the reports were shock, altered mental status, sepsis, dehydration, pulmonary hemorrhage and urinary tract infection.

**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).

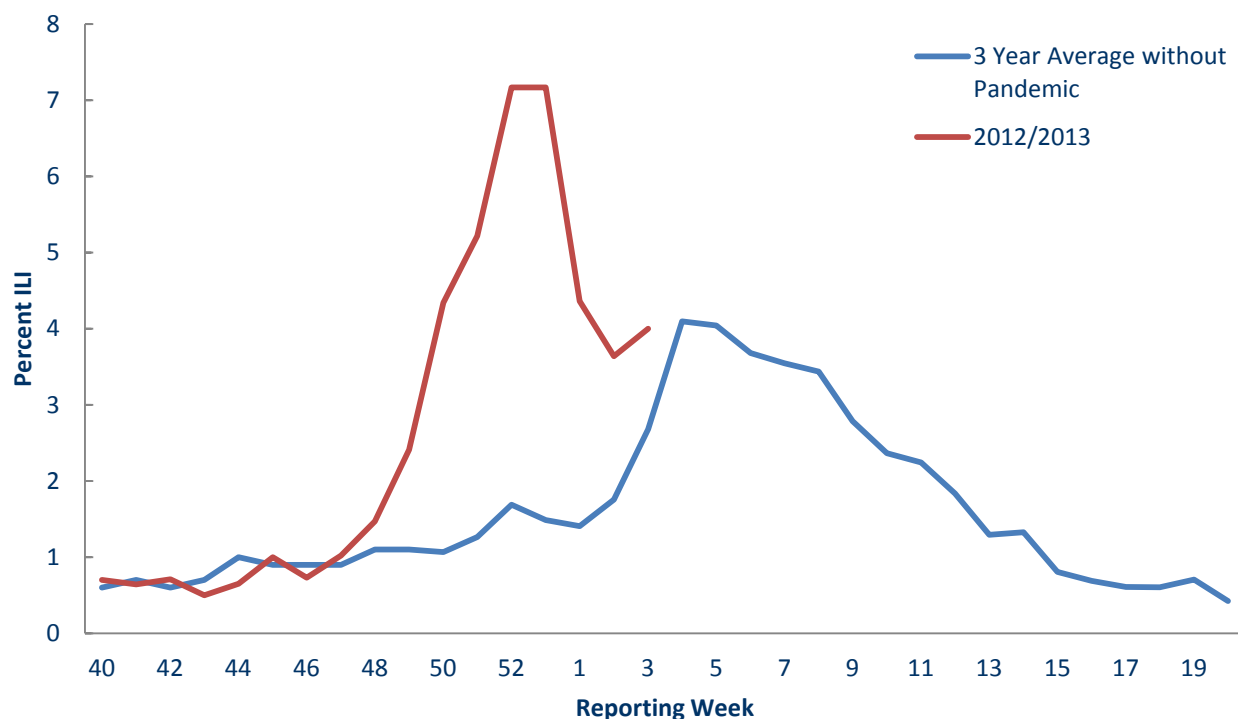
† PHESS data is very timely, so the data reported is for the most current week.

**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 03	4.00	5.39	3.66
Week 02	3.64	3.54	3.66
Week 01	4.36	.42	4.49

\*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 = 28**



\*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	1.5%	3	<1.0%
Influenza A/H3 seasonal virus	27	40.9%	327	64.0%
Influenza A/H1 seasonal virus	0	0%	0	0%
Influenza B seasonal virus	1	1.5%	19	3.7%
Influenza negative	36	54.5%	138	27.0%
Inconclusive	0	0%	4	<1.0%
Unsatisfactory specimen†	1	1.5%	16	3.1%
Influenza Co-infection <sup>Δ</sup>	0	0%	4	<1.0%
<b>Total</b>	<b>66</b>	<b>100%</b>	<b>511</b>	<b>100%</b>

<sup>Δ</sup> 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	2	8	1
<b>Total</b>	<b>2</b>	<b>20</b>	<b>8</b>

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	32	10
5 –24	169	54
25–49	67	21
50–64	33	11
65+	10	4
<b>Total</b>	<b>311</b>	<b>100</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.*

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

Reporting Week	ED Surveillance %ILI	Sentinel Surveillance %ILI
Week 03	4.58	4
Week 02	4.21	3.64
Week 01	4.01	4.36

Number of 2012/2013 deaths associated with laboratory confirmed influenza, by age category –  
Indiana, January 23, 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	1	1
	50-64	3	5
	65+	9	32
	Unknown	0	0
	<b>Total</b>	<b>13</b>	<b>40</b>

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	0	1
4	0	1
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>2</b>