



Indiana State Department of Health

WEEKLY INFLUENZA REPORT

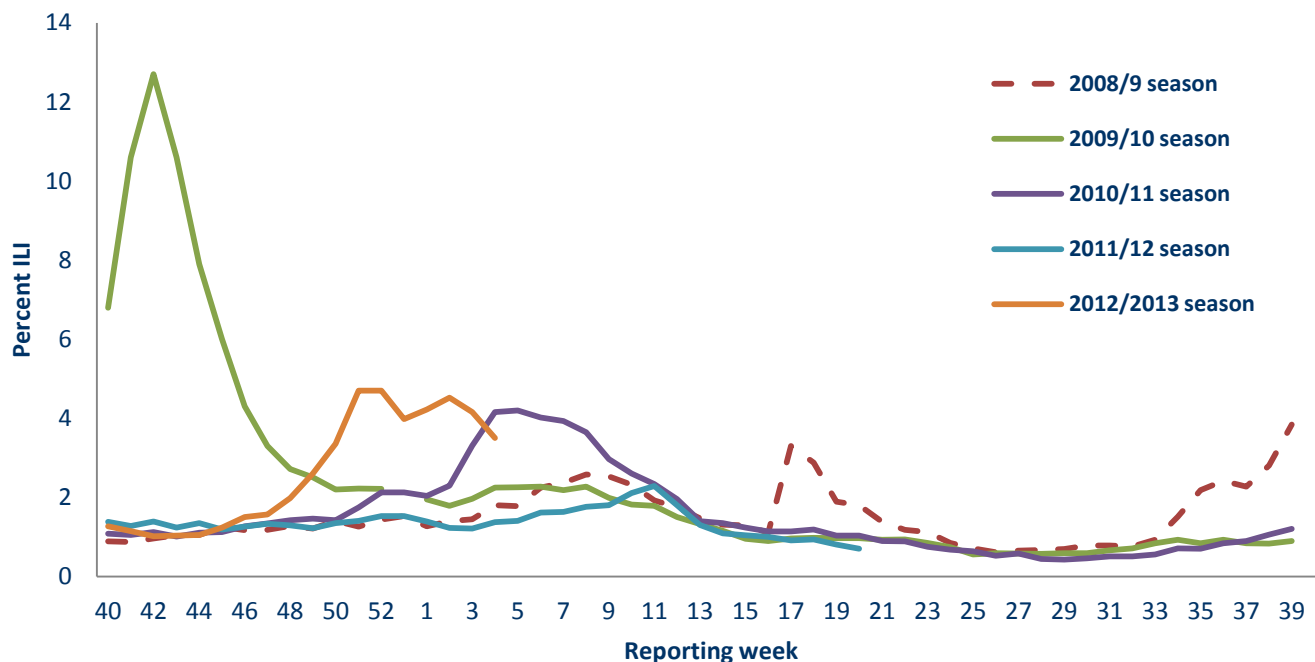
Data as of Wednesday, February 06, 2013

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 and all information is provisional. *Occasionally, data may change as information is received, reviewed and verified. The purpose of this report is to report in a timely manner what is occurring or has recently occurred.* 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 (3.5 %) and the sentinel surveillance system was (3.16%). Widespread activity was reported to the CDC.
- During week 05, 74% (49/66) specimens were identified by the ISDH lab as positive for influenza. Thirty two were positive for influenza A/H3, four were positive 2009 A/H1N1 pdm, and twelve were positive for influenza B, and 1 was co-infected with influenza A/H3 and influenza B.
- All physicians, laboratories and hospitals are to report influenza-associated deaths to local health department within 72 hours of knowledge of death.
- Four adult influenza-associated deaths were officially reported since last week's report. A total of 47 influenza deaths have been reported and have had a positive influenza test for the 2012/2013 season. Three are under 18 years of age.
- The ISDH does not report the number of deaths in each county until five deaths have occurred in a specific county. Marion County has had six reported deaths.
- Eighteen of the reported deaths were vaccinated with a 2012/2013 influenza vaccine. The vaccination status was unknown for eighteen cases, and eleven were documented as unvaccinated.
- Forty three (91%) of the deaths had underlying medical conditions. One death did not indicate there were underlying medical conditions. The verification of vaccination status and underlying medical conditions are currently being investigated in 3 of the 47 reported deaths. The most commonly reported underlying medical conditions were Cardiac Disease, COPD, Diabetes, Asthma and Renal Disease.
- 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)



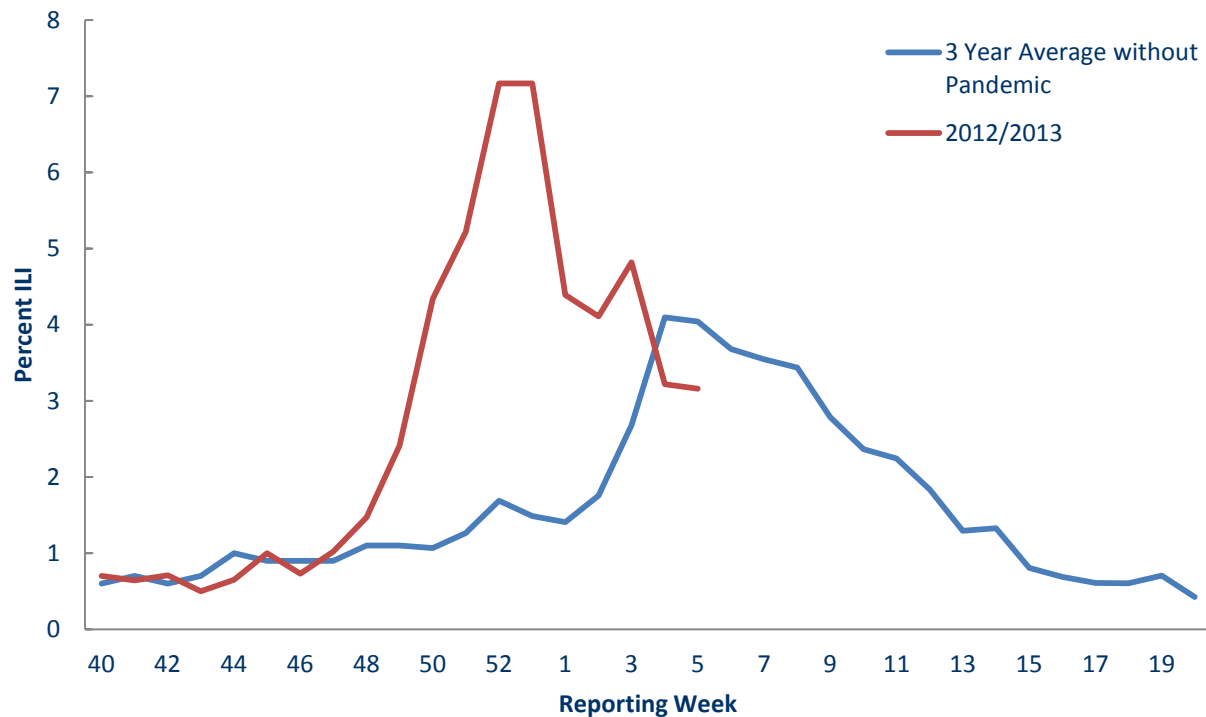
**Data obtained from the ISDH Public Health Emergency Surveillance System (PHESS).*

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 05 | 3.16 | 3.70 | 3.00 |
| Week 04 | 3.22 | 3.99 | 3.03 |
| Week 03 | 4.82 | 5.22 | 4.36 |

**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 = 34**



**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 | 4 | 6.0% | 7 | 1.1% |
| Influenza A/H3 seasonal virus | 32 | 48.5% | 374 | 61.5% |
| Influenza A/H1 seasonal virus | 0 | 0% | 0 | 0% |
| Influenza B seasonal virus | 12 | 18.2% | 36 | 5.9% |
| Influenza negative | 15 | 22.7% | 163 | 26.8% |
| Inconclusive | 1 | 1.5% | 5 | <1.0% |
| Unsatisfactory specimen† | 1 | 1.5% | 18 | 3.0% |
| Influenza Co-infection ^Δ | 1 | 1.5% | 5 | <1.0% |
| Total | 66 | 100% | 608 | 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 | 8 | 1 |
| Total | 0 | 20 | 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 | 32 | 11 |
| 5 –24 | 147 | 52 |
| 25–49 | 66 | 23 |
| 50–64 | 28 | 10 |
| 65+ | 10 | 4 |
| Total | 283 | 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 05 | 3.5 | 3.16 |
| Week 04 | 4.16 | 3.22 |
| Week 03 | 4.52 | 4.82 |

**Number of 2012/2013 deaths associated with laboratory confirmed influenza, by age category –
Indiana, February 06, 2013**

| | Age category (yrs) | Total number this week | Season Total |
|---|-----------------------------------|-------------------------------|---------------------|
| Number of deaths associated with influenza | 0-4 | 1 | 1 |
| | 5-18 | 0 | 2 |
| | 19-24 | 0 | 0 |
| | 25-49 | 0 | 1 |
| | 50-64 | 0 | 5 |
| | 65+ | 3 | 38 |
| | Unknown | 0 | 0 |
| | Total | 4 | 47 |

This data is subject to change as information is updated, revised or corrected.

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 | 1 | 1 |
| 6 | 0 | 0 |
| 7 | 0 | 0 |
| 8 | 0 | 0 |
| 9 | 0 | 0 |
| 10 | 0 | 0 |
| Total | 1 | 3 |

