Division of Acute Disease Prevention and Emergency Response
Center for Acute Disease Epidemiology

# Iowa Influenza Surveillance Network (IISN)

## Influenza-like Illness (ILI) and Other Respiratory Viruses
## Summer Monthly Report
## July 2 (Week 26) – July 30 (Week 30), 2011

## Iowa statewide activity summary

Influenza activity in Iowa remains very low. There was no laboratory confirmed case of influenza in this reporting period. Other respiratory viruses with culture tests positive for the reporting period include adenovirus, enterovirus, and rhinovirus.

## National activity summary - www.cdc.gov

*Not available during summer months*

## International activity summary - www.who.int

Influenza activity in the temperate regions of the northern hemisphere remains low or undetectable. In the tropical zone, influenza transmission has continued in a few countries of the Americas, in the Dominican Republic, El Salvador, and Colombia; western Africa, primarily reported from Ghana and Cameroon; and parts of Asia in India, Bangladesh, and Singapore. Influenza transmission in South Africa has declined to low levels, though virus continues to be detected. Influenza A(H1N1)2009 is the primary type reported. In Australia, influenza-like illness (ILI) consultations and laboratory-confirmed cases continue to increase. ILI activity in New Zealand had crossed national baseline levels previously but is back to the baseline in the most recent report.

## Laboratory surveillance program - *Influenza and Other Respiratory Viruses*

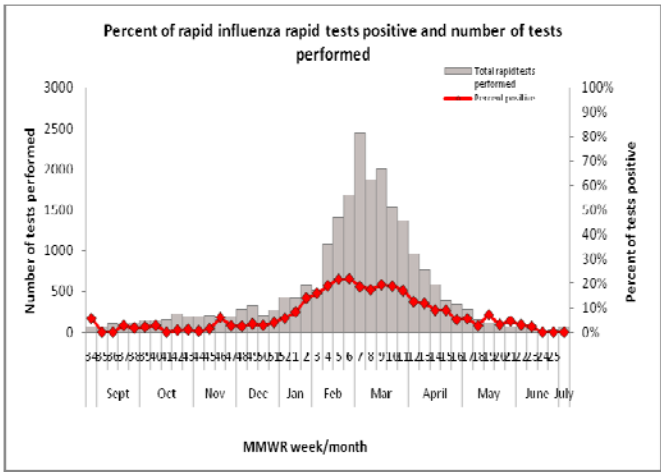
The State Hygienic Laboratory (SHL) is the primary lab testing and reporting influenza tests in Iowa. SHL reports the number of tests performed and the type and strain of positive tests to the influenza surveillance network several times every week. In addition, SHL surveys clinical and reference labs for the number of rapid-antigen tests performed and number positive weekly. This report also includes the positive non-influenza virus culture tests reported from the Dunes Medical Laboratories at Mercy Medical Center-Sioux City.

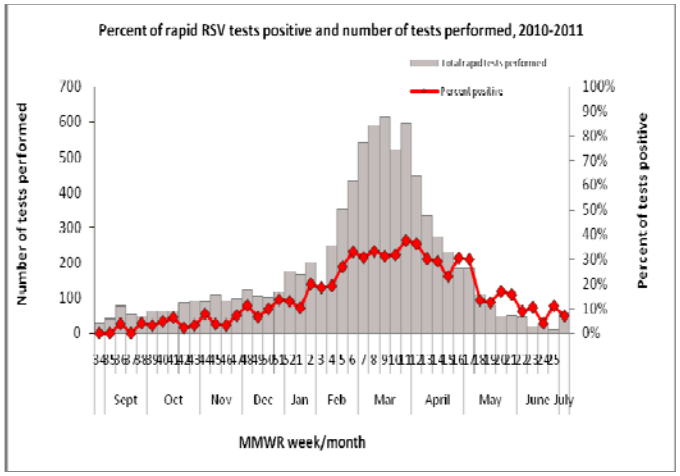
**Specimens tested by the State Hygienic Laboratory**

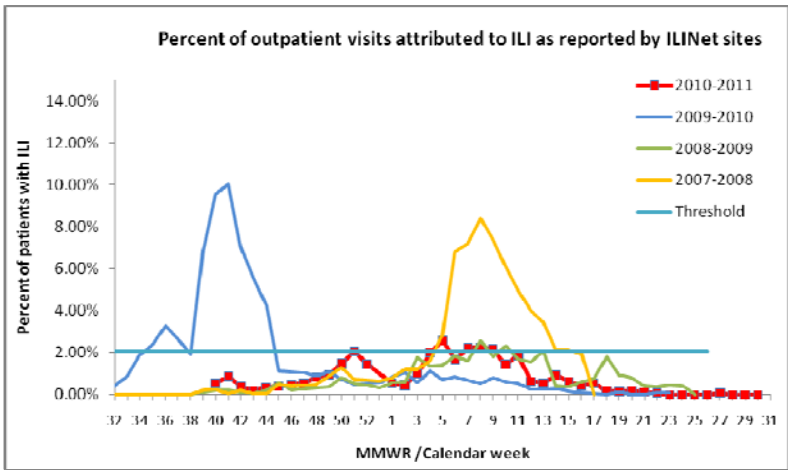
| Influenza viruses isolated 9/1/10 to present week | | |
|---|---|---|
| | *Week 26-30* | *Cumulative* |
| **Flu A** | *0* | 712 (22%) |
| Flu A (2009 H1N1) | *0* | 291 (9%) |
| Flu A (H3) | *0* | 369 (11%) |
| Subtyping not reported | *0* | 52 (2%) |
| **Flu B** | *0* | 375 (11%) |
| **Indeterminate/Equivocal** | *0* | 85 (2%) |
| **Negative** | *11* | 2246 (66%) |
| **Total** | *11* | 3418 |

| Influenza viruses by age group 9/1/10 to present week | | | | |
|---|---|---|---|---|
| *Age group* | *Flu A (2009 H1N1)* | *Flu A (H3)* | *Flu A (no subtyping)* | *Flu B* |
| ***0-4*** | 41 (14%) | 58 (16%) | 7 (13%) | 67 (18%) |
| ***5-17*** | 55 (19%) | 60 (16%) | 8 (15%) | 165 (44%) |
| ***18-24*** | 90 (31%) | 23 (6%) | 5 (10%) | 60 (16%) |
| ***25-49*** | 71 (25%) | 68 (18%) | 12 (23%) | 47 (12%) |
| ***50-64*** | 29 (10%) | 34 (9%) | 6 (12%) | 13 (4%) |
| ***>64*** | 5 (2%) | 126 (34%) | 14 (27%) | 23 (6%) |
| ***Total*** | 291 | 369 | 52 | 375 |

| Number of positive culture results for non-influenza respiratory virus isolated since 9/1/10 by the State Hygienic Laboratory and Mercy Dunes in Sioux City | | |
|---|---|---|
| | *Week 26-30* | *Cumulative* |
| ***Adenovirus Isolated*** | 1 | 85 |
| ***Enteroviruses (presumptive)*** | 1 | 5 |
| *Coxsackievirus A9 Isolated* | 0 | 2 |
| *Coxsackievirus B4 Isolated* | 0 | 1 |
| *Echovirus 9 Isolated* | 0 | 2 |
| ***Parainfluenza Virus Type 1 Isolated*** | 0 | 5 |
| ***Parainfluenza Virus Type 2 Isolated*** | 0 | 20 |
| ***Parainfluenza Virus Type 3 Isolated*** | 0 | 45 |
| ***Rhinovirus Isolated*** | 1 | 19 |
| ***Respiratory syncytial virus (RSV)*** | 0 | 31 |




## Outpatient health care provider surveillance program (ILINet)

There are approximately 10 outpatient health care provider surveillance sites surveying patient populations for ILI each week. These sites report the number of patients seen with influenza-like illness and the total number of patient visits each week.