



Iowa Influenza Surveillance Network (IISN)

Influenza-like Illness (ILI) and Other Respiratory Viruses

Monthly Report

September 10 (Week 36) – October 1 (Week 39), 2011

Iowa statewide activity summary

Influenza activity in Iowa remains very low. There were no laboratory confirmed cases of influenza A (H3) in this reporting period, however there were confirmed cases reported from neighboring states. The percent of reports of influenza-like illness increased slightly from previous months, but is well below the baseline. The number of influenza and RSV rapid tests performed increased while the percent of influenza and RSV rapid tests that tested positive decreased from the previous month. Other respiratory viruses with culture tests positive for the reporting period include adenovirus, enterovirus and parainfluenza type 1.

National activity summary - www.cdc.gov

Not available

International activity summary - www.who.int

Influenza activity in the temperate regions of the northern hemisphere remains low or undetectable. Countries in the tropical zone mostly reported low influenza activity but with some transmission reported in countries of the Americas (Cuba, Honduras and Bolivia), western Africa (Cameroon), and southern Asia (India, Thailand, Vietnam and Singapore). Transmission in South Africa has declined to low levels. In Australia, the number of laboratory confirmed influenza notifications is reported to be declining in Queensland, New South Wales (NSW) and other states with the exception of the Northern Territory. Oseltamivir-resistant (but sensitive to zanamivir) influenza A(H1N1)2009 was identified in a cluster of cases in the Newcastle region of New South Wales; no travel history was found among the cases, and none have died. ILI activity in New Zealand continues around national baseline levels and the majority of viruses detected have been influenza B.

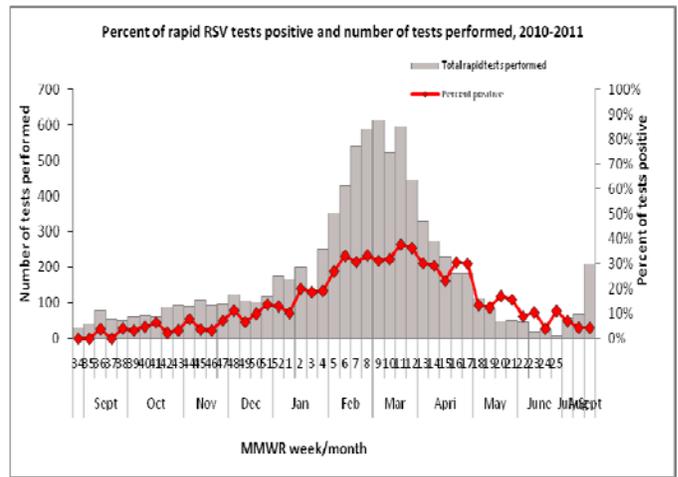
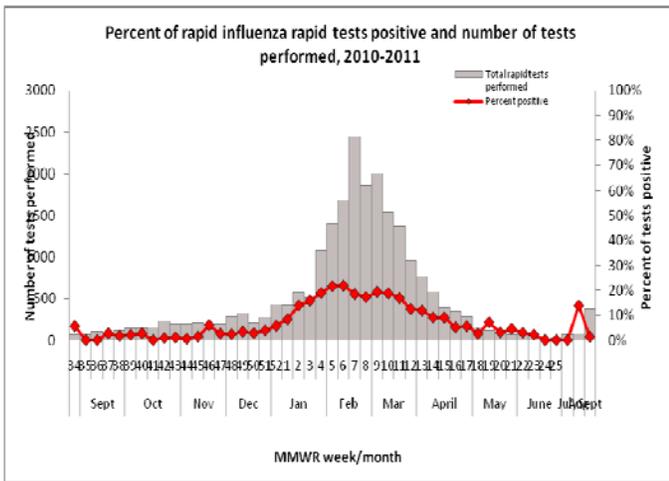
Laboratory surveillance program - *Influenza and Other Respiratory Viruses*

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	
	<i>Week 36-39</i>
Flu A	<i>0</i>
Flu A (2009 H1N1)	<i>0</i>
Flu A (H3)	<i>0</i>
Subtyping not reported	<i>0</i>
Flu B	<i>0</i>
Indeterminate/Equivocal	<i>0</i>
Negative	<i>84</i>
Total	<i>84</i>

Number of positive culture results for non-influenza respiratory virus isolated by the State Hygienic Laboratory and Mercy Dunes in Sioux City	
	Week 36-39
Adenovirus Isolated	1
Enteroviruses (presumptive)	0
<i>Coxsackievirus A9 Isolated</i>	1
<i>Coxsackievirus B4 Isolated</i>	0
<i>Echovirus 9 Isolated</i>	0
Parainfluenza Virus Type 1 Isolated	1
Parainfluenza Virus Type 2 Isolated	0
Parainfluenza Virus Type 3 Isolated	0
Rhinovirus Isolated	0
Respiratory syncytial virus (RSV)	0



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. As part of national influenza surveillance, CDC and IDPH highly encourage new outpatient providers to join the sentinel surveillance program today! Contact Yumei Sun at 515-281-7134 or yumei.sun@idph.iowa.gov for more information.

