



# Iowa Influenza Surveillance Network (IISN)

## Influenza-like Illness (ILI) and Other Respiratory Viruses

### Weekly Activity Report

For the week ending October 3 2020 - Week 40

All data presented in this report are provisional and may change as additional reports are received



State Hygienic Laboratory

Due to the impact of COVID-19 on ILI surveillance, and the fact that the state and territorial epidemiologists report relies heavily on ILI activity, reporting for this system will be suspended for the 2020-21 influenza season.

### This is the first weekly report of the 2020-21 influenza season

Quick Stats	Week 40
Predominate influenza subtype	Influenza A (not subtyped)
Percent of influenza rapid test positive	<1 % (1/516)
Percent of RSV rapid tests positive	0% (0/59)
Influenza-associated hospitalizations	1/ 6011 inpatients surveyed
Percent of outpatient visits for ILI	1.87% (baseline 1.7%)
Number of long-term care outbreaks	0
Influenza-associated mortality - all ages (Cumulative)	0
Influenza-associated pediatric mortality (Cumulative)	0
Predominate non-influenza virus	Rhinovirus/enterovirus

Note: Deaths are considered influenza-associated when influenza is listed on the death certificate. This is an underestimate of influenza-related deaths. Cumulative mortality totals are from 9/29/2019 to the current week.

#### **Iowa statewide activity summary:**

Reported influenza activity continues to be at a low level. The State Hygienic Laboratory identified one influenza A positive specimen, which has not been subtyped, from specimens submitted. One positive influenza B result was reported from clinical labs responding to Iowa’s respiratory virus testing survey. One influenza-related hospitalizations were reported. The proportion of outpatient visits due to influenza-like illness (ILI) was 1.87%, which is above the regional baseline of 1.7%. No long-term care influenza outbreaks and no influenza-associated deaths were reported. Of the 414 non-influenza respiratory testing results reported from the labs completing the Iowa respiratory virus testing survey, rhinovirus/enterovirus was detected most frequently with 128 positive results or 31% positive. Two school districts reported 10% illness during this reporting week (one in the east and one in the southeast)

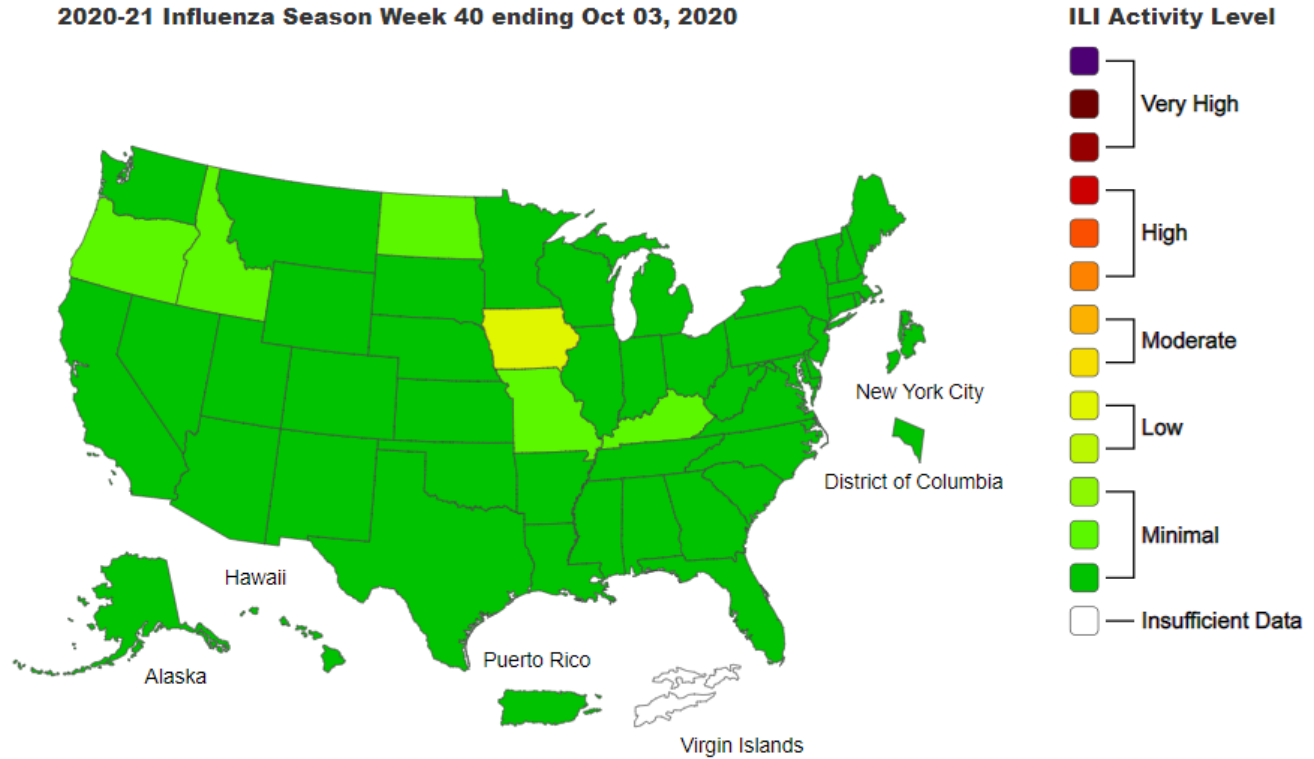
#### **International activity summary - (WHO):**

Globally, influenza activity was reported at lower levels than expected for this time of the year. In the temperate zone of the northern hemisphere, influenza activity remained below inter-seasonal levels while in the temperate zones of the southern hemisphere, the influenza season has not started. Worldwide, of the very low numbers of detections reported, seasonal influenza A viruses accounted for the majority of detections.

Visit [www.who.int/influenza/surveillance\\_monitoring/updates/latest\\_update\\_GIP\\_surveillance/en/](http://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/) for more information. It was last updated 9/28/2020.

**National activity summary - (CDC)-Last Updated in Week 40:**

2020-21 Influenza Season Week 40 ending Oct 03, 2020



Detailed information can be found online at [www.cdc.gov/flu/weekly/](http://www.cdc.gov/flu/weekly/).

**Laboratory surveillance program:**

The State Hygienic Laboratory (SHL) is the primary laboratory in Iowa characterizing specimens for influenza surveillance. SHL reports the number of tests performed and the type and subtype/lineage of positive tests to the influenza surveillance network daily. SHL also sends a portion of specimens to CDC for further characterization.

**Cumulative Influenza viruses detected by SHL by age group (9/27/20 – Current Week)**

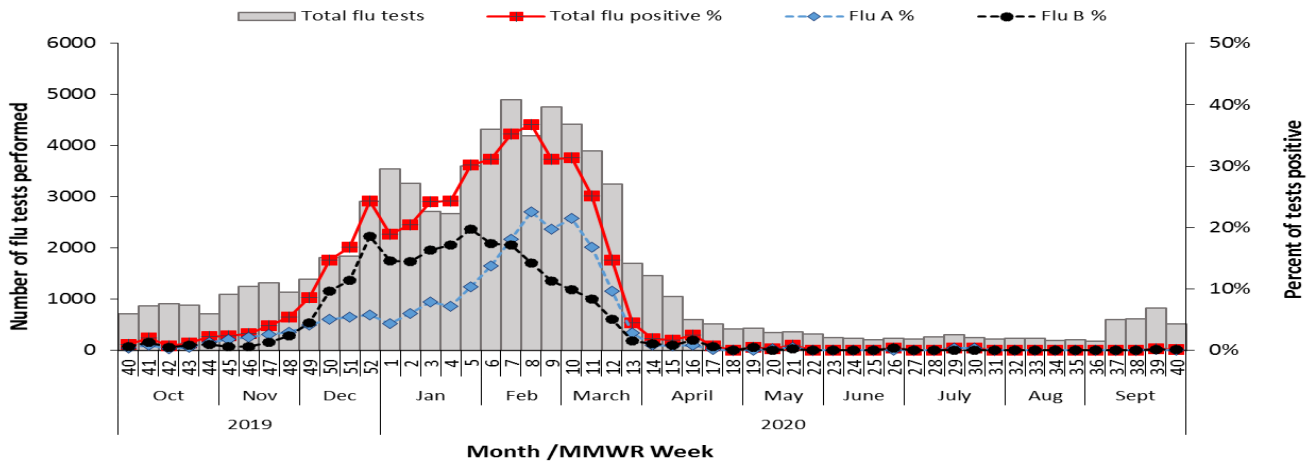
Age Group	Influenza A				Influenza B				Total	Percent
	A(H1N1) pdm09	A(H3)	Not Subtyped	Total A	Victoria Lineage	Yamagata Lineage	Not Subtyped	Total B		
0-4	0	0	0	0	0	0	0	0	0	0%
5-17	0	0	0	0	0	0	0	0	0	0%
18-24	0	0	0	0	0	0	0	0	0	0%
25-49	0	0	0	0	0	0	0	0	0	0%
50-64	0	0	0	0	0	0	0	0	0	0%
>64	0	0	1	0	0	0	0	0	1	100%
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	
<b>Percent</b>	<b>0%</b>	<b>0%</b>	<b>100%</b>		--	--	--			

Totals by age may not add up to totals by subtype/lineage due to missing age information. Only cases of Iowa residents are included. Specimens listed as “not subtyped” may be pending or were not able to be subtyped due to weak positive lab results. This can be due to poor collection, timing of collection or stage of infection.

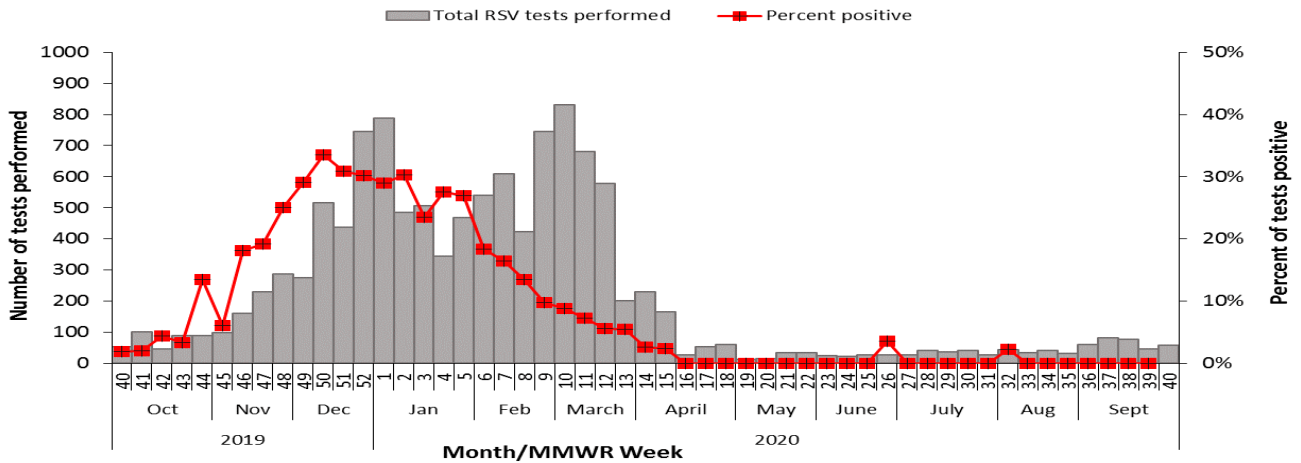
**Rapid influenza and RSV test surveillance:**

The State Hygienic Laboratory (SHL) runs a weekly web-based survey program where laboratorians report the number of influenza and respiratory syncytial virus (RSV) rapid tests performed and the number of tests positive. This table includes only the number of patients tested for influenza or RSV at laboratory surveillance sites throughout the state. This table does not provide case counts.

**Percent of influenza rapid tests positive and number of tests performed, previous year to present**



**Percent of RSV rapid tests positive and number of tests performed, previous year to present**



**Percent of influenza rapid tests positive and number of tests performed by region for the present week**

REGION	RAPID INFLUENZA TESTS				RAPID RSV TESTS		
	Tested	Flu A	Flu B	% Positive	Tested	Positive	% Positive
Region 1 (Central)	161	0	1	1	1	0	0
Region 2 (NE)	1	0	0	0	0	0	--
Region 3 (NW)	71	0	0	0	28	0	0
Region 4 (SW)	19	0	0	0	2	0	0
Region 5 (SE)	26	0	0	0	4	0	0
Region 6 (Eastern)	236	0	0	< 1	24	0	0
<b>Total</b>	<b>516</b>	<b>0</b>	<b>1</b>	<b>&lt; 1</b>	<b>59</b>	<b>0</b>	<b>&lt; 1</b>

Note: see map near the end of the report for the counties in each region.

**Influenza-associated hospitalizations:**

Sentinel hospitals that participate in IISN voluntarily track and report the number of influenza-associated hospitalizations and the total number of inpatients each week. Iowa hospitals interested in joining this surveillance program should contact Andy Weigel at 515-322-1937 or [andy.weigel@idph.iowa.gov](mailto:andy.weigel@idph.iowa.gov) for more information.

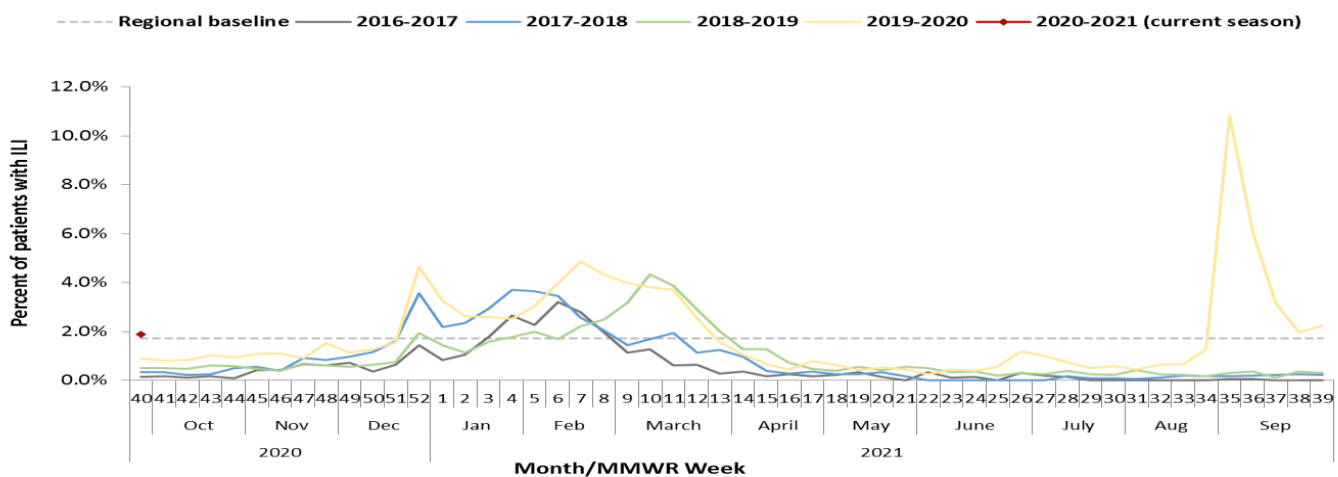
**Number of influenza-associated hospitalizations reported by age group**

AGE	CURRENT WEEK	CUMULATIVE (9/27/20– CURRENT WEEK)
Age 0-4	0	0
Age 5-24	0	0
Age 25-49	0	0
Age 50-64	0	0
Age >64	1	1
<b>Total</b>	<b>1</b>	<b>1</b>

**Outpatient health care provider surveillance program (ILINet):**

Outpatient health care providers who participate in the ILINet (a national influenza surveillance program) report the number of patients seen with influenza-like illness and the total number of patient visits each week. This system is a key part of Iowa’s influenza surveillance. Iowa health care providers interested in joining this surveillance program should contact Andy Weigel at 515-322-1937 or [andy.weigel@idph.iowa.gov](mailto:andy.weigel@idph.iowa.gov) for more information.

**Percent of outpatient visits attributed to ILI as reported by ILINet sites**



**Outpatient visits for influenza-like illness (ILI)**

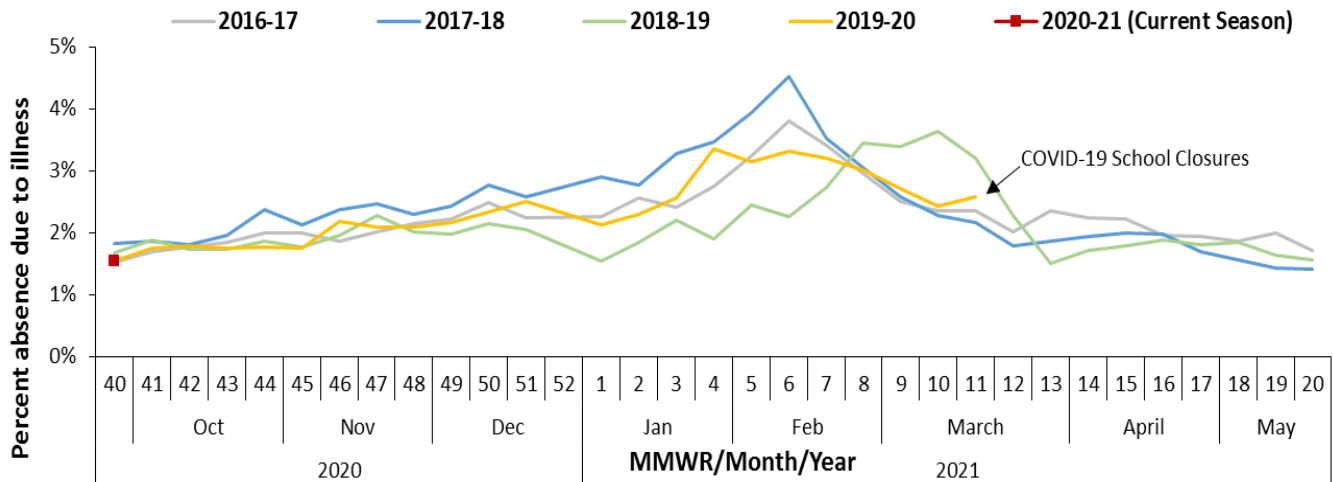
Week, End Date	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age >64	Total ILI	%ILI
<b>Week 40, October 3</b>	3	64	12	4	6	89	1.87

Note: Influenza-like Illness is defined as a fever of  $\geq 100^{\circ}$  F as well as cough and/or sore throat.

**School surveillance program**

IDPH monitors illnesses in schools from two different types of reporting: 10 percent school absence reports and weekly sentinel illness reporting. Iowa schools (K-12) track and report (including non-influenza illnesses) when the number of students absent with illness reaches or exceeds 10 percent of total student enrollment. Iowa sentinel schools that participate in IISN voluntarily track and report absence due to all illness and the total enrollment each week. This data provides excellent trends for influenza activity as well as age-specific information used to target vaccination efforts and messages.

**Percent of enrolled students absent due to illness reported by sentinel schools**



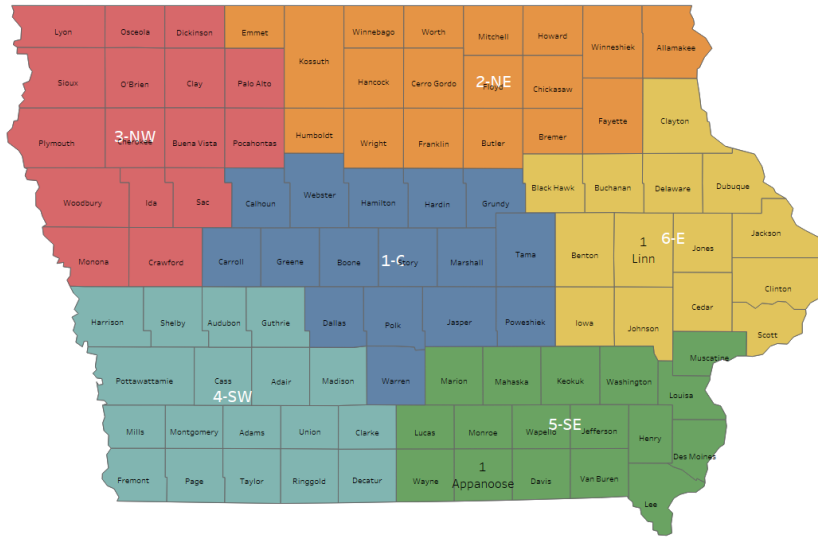
\*School data for 2019-20 not reported starting week 12, 2020 due to COVID-19 school closures.

**Number of schools reporting >10% absenteeism due to any illness**

REGION	CURRENT WEEK	CUMULATIVE (9/27/20–CURRENT WEEK)
Region 1 (Central)	0	0
Region 2 (NE)	0	0
Region 3 (NW)	0	0
Region 4 (SW)	0	0
Region 5 (SE)	1	1
Region 6 (Eastern)	1	1
<b>Total</b>	<b>2</b>	<b>2</b>

Note: see following map for the counties in each region.

## Number of schools reporting >10% absenteeism due to any illness by Flu Region and County



### Long-term Care Outbreaks:

#### Number of long-term care outbreaks investigated

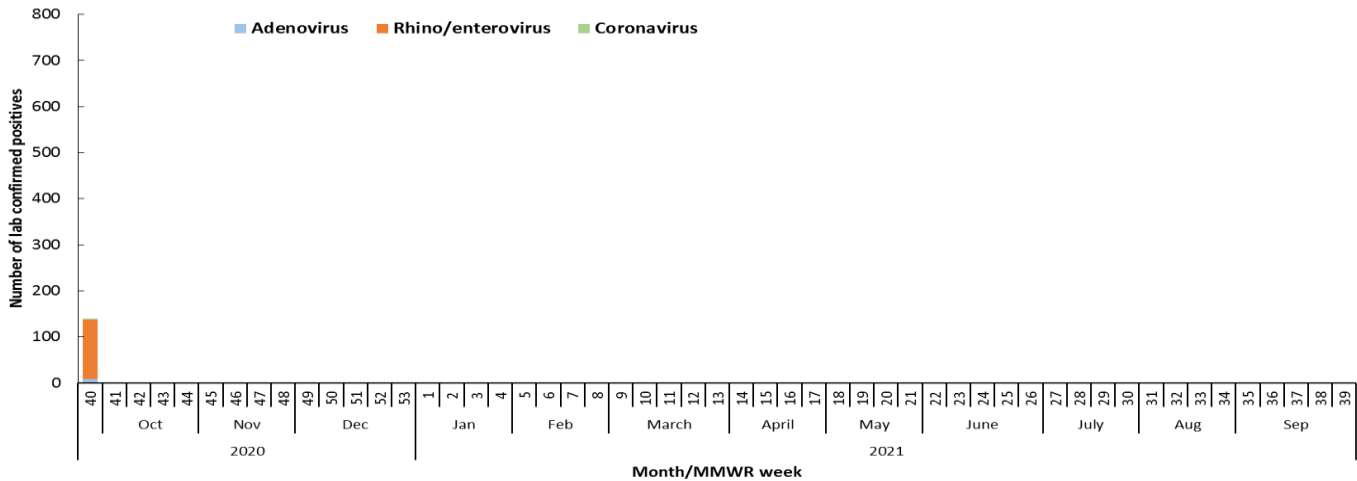
REGION	CURRENT WEEK	CUMULATIVE (9/27/20– CURRENT WEEK)
<b>Region 1 (Central)</b>	0	0
<b>Region 2 (NE)</b>	0	0
<b>Region 3 (NW)</b>	0	0
<b>Region 4 (SW)</b>	0	0
<b>Region 5 (SE)</b>	0	0
<b>Region 6 (Eastern)</b>	0	0
<b>Total</b>	<b>0</b>	<b>0</b>

Note: see map after this section for the counties in each region.

**Non-influenza respiratory viruses:**

The State Hygienic Laboratory (SHL) runs a weekly web-based survey program where laboratorians report the number of positive tests for non-influenza respiratory viruses. This table also includes the positive non-influenza virus tests reported from the Dunes Medical Laboratories at Mercy Medical Center in Sioux City. The table includes only the number of positive tests at laboratory surveillance sites throughout the state. The table does not provide case counts.

**Comparison of respiratory illnesses by type**



**Number of positive results for non-influenza respiratory virus reported by clinical laboratories**

Viruses	CURRENT WEEK	CUMULATIVE (9/27/20–CURRENT WEEK)
Adenovirus	9	9
Parainfluenza Virus Type 1	0	0
Parainfluenza Virus Type 2	0	0
Parainfluenza Virus Type 3	0	0
Parainfluenza Virus Type 4	0	0
Rhinovirus/Enterovirus	128	128
Respiratory syncytial virus (RSV)	0	0
Human metapneumovirus (hMPV)	0	0
Coronavirus*	3	3

\* The coronaviruses mentioned in this report are common and NOT the novel coronavirus that causes COVID-19.

**Other resources:**

**Vaccine:**

Influenza vaccine recommendation: [idph.iowa.gov/immtb/immunization/influenza/recommendations](http://idph.iowa.gov/immtb/immunization/influenza/recommendations)

CDC vaccine information: [www.cdc.gov/flu/prevent/keyfacts.htm](http://www.cdc.gov/flu/prevent/keyfacts.htm)

Vaccine finder: <http://vaccinefinder.org/>

**Neighboring states’ influenza information:**

Illinois: [dph.illinois.gov/topics-services/diseases-and-conditions/influenza/influenza-surveillance](http://dph.illinois.gov/topics-services/diseases-and-conditions/influenza/influenza-surveillance)

Minnesota: [www.health.state.mn.us/diseases/flu/stats/index.html](http://www.health.state.mn.us/diseases/flu/stats/index.html)

Missouri: [health.mo.gov/living/healthcondiseases/communicable/influenza/reports.php](http://health.mo.gov/living/healthcondiseases/communicable/influenza/reports.php)

Nebraska: <http://dhhs.ne.gov/Pages/Flu-Activity.aspx>

South Dakota: [doh.sd.gov/diseases/infectious/flu/](http://doh.sd.gov/diseases/infectious/flu/)

Wisconsin: [dhs.wisconsin.gov/influenza/index.htm](http://dhs.wisconsin.gov/influenza/index.htm)