



Iowa Influenza Surveillance Network (IISN)
Influenza-like Illness (ILI) and Other Respiratory
Viruses
Weekly Activity Report
For the week ending October 10 2020 - Week 41



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

Quick Stats Week for Week 41				
Predominant Flu at SHL No Flu Detected	Lab Survey Flu Positive % Flu Antigen 4.3% Flu PCR 0.0%	Hospitalization Rate per 10,000 1.82	Outpatient ILI % 2.17%	Flu Deaths All Ages 0
Predominant Nonflu Virus Rhinovirus / Enterovirus	Schools Reporting 10% Illness 1	Weekly School Illness % 0.8%	Long Term Care Outbreaks 0	Pediatric Mortality 0

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 9/27/2020 to the current week.

Iowa Statewide Activity Summary

Reported influenza activity continues to be at a low level. The State Hygienic Laboratory did not identify any influenza positive specimens from specimens submitted. Four influenza antigen positive results (3 B and 1 A) were reported on the Iowa respiratory virus survey. One influenza-related hospitalizations was reported. The proportion of outpatient visits due to influenza-like illness (ILI) was 2.17%, which is above the regional baseline of 1.7%. One school district reported 10% illness. No long-term care influenza outbreaks and no influenza-associated deaths were reported. Of the 827 non-influenza respiratory testing results reported from the labs completing the Iowa respiratory virus testing survey, rhinovirus/enterovirus was detected most frequently with 147 positive results or 18% positive.

International Activity Summary (WHO)

Globally, influenza activity remained 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 remained low or below baseline. Worldwide, of the very low numbers of detections reported, seasonal influenza A (H3N2) viruses accounted for the majority of detections.

Visit https://www.who.int/influenza/surveillance_monitoring/updates/latest_update_GIP_surveillance/en/ for more information. It was last updated 10/12/2020.

National activity summary - (CDC)-Last Updated in Week 41:

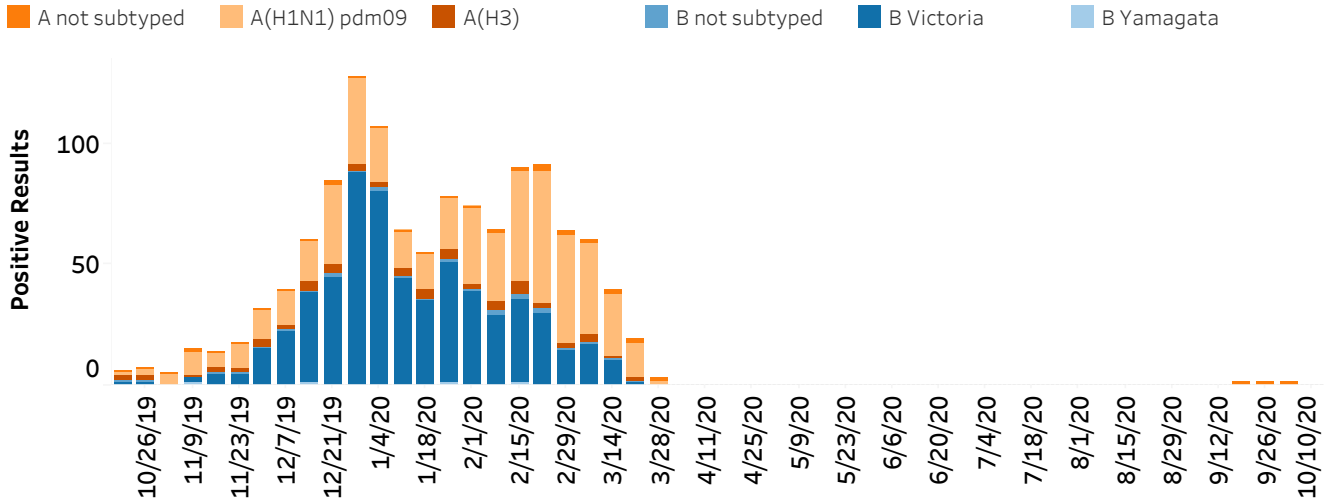


Detailed information can be found online at www.cdc.gov/flu/weekly/.

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.

Influenza Viruses Detected at SHL by Week, Previous Year to Present



Cumulative Influenza viruses detected by SHL by age group (9/29/19 – Current Week)

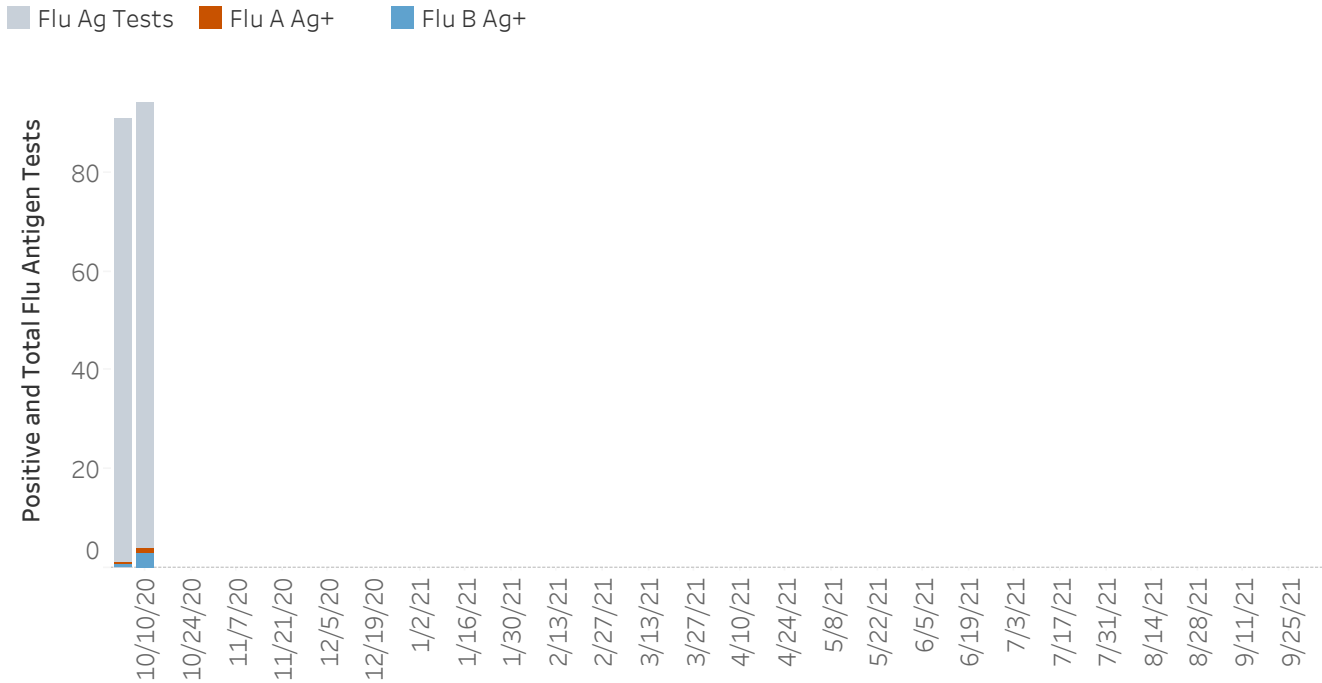
Age Group	Influenza A			Total	Influenza B			Total
	A(H1N1) ..	A(H3)	A not sub..		B Victoria	B Yamagata	B not subt..	
0-4	0	0	0	0	0	0	0	0
5-17	0	0	0	0	0	0	0	0
18-24	0	0	0	0	0	0	0	0
25-49	0	0	0	0	0	0	0	0
50-64	0	0	0	0	0	0	0	0
65 and over	0	0	1	1	0	0	0	0
Total	0	0	1	1	0	0	0	0

Table 1 and 2 Notes: Cell counts of three or less are sometimes suppressed to protect confidentiality. 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.

Influenza Antigen and Molecular Results from Respiratory Virus Survey

IDPH and SHL run 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. Facilities reported the total number of tests and positive results not individual-level information.

Number of Positive Influenza Antigen Results and Number of Tests Performed by Week



Influenza Antigen and PCR Tests by Region (MMWR Week 41, 10/4/20 - 10/10/20)

Flu Region	Flu Ag Tests	Flu A Ag+	Flu B Ag+	Flu PCR Tests	Flu A PCR+	Flu B PCR+
1-C	25	0	2	166	0	0
2-NE	4	0	0	188	0	0
3-NW	59	1	1	40	0	0
4-SW	0	0	0	10	0	0
5-SE	0	0	0	0	0	0
6-E	6	0	0	476	0	0
Total	94	1	3	880	0	0

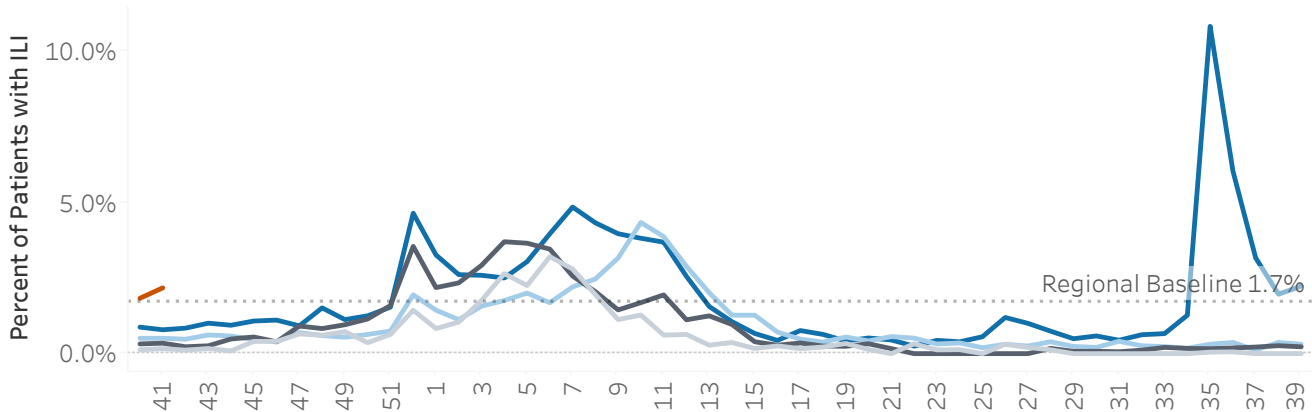
Outpatient Health Care Provider Surveillance Program (ILINet)

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 for more information.

Percent Of Outpatient Visits Attributed to ILI as Reported by ILINet Sites

■ 2016-17 ■ 2017-18 ■ 2018-19 ■ 2019-20 ■ 2020-21

ILI by Season



ILI Recent Weeks

MMWR Week	End Date	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65 and older	Total ILI	ILI Percent
40	10/3/20	3	64	12	4	6	89	1.83%
41	10/10/20	3	89	15	2	3	112	2.17%

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 for more information.

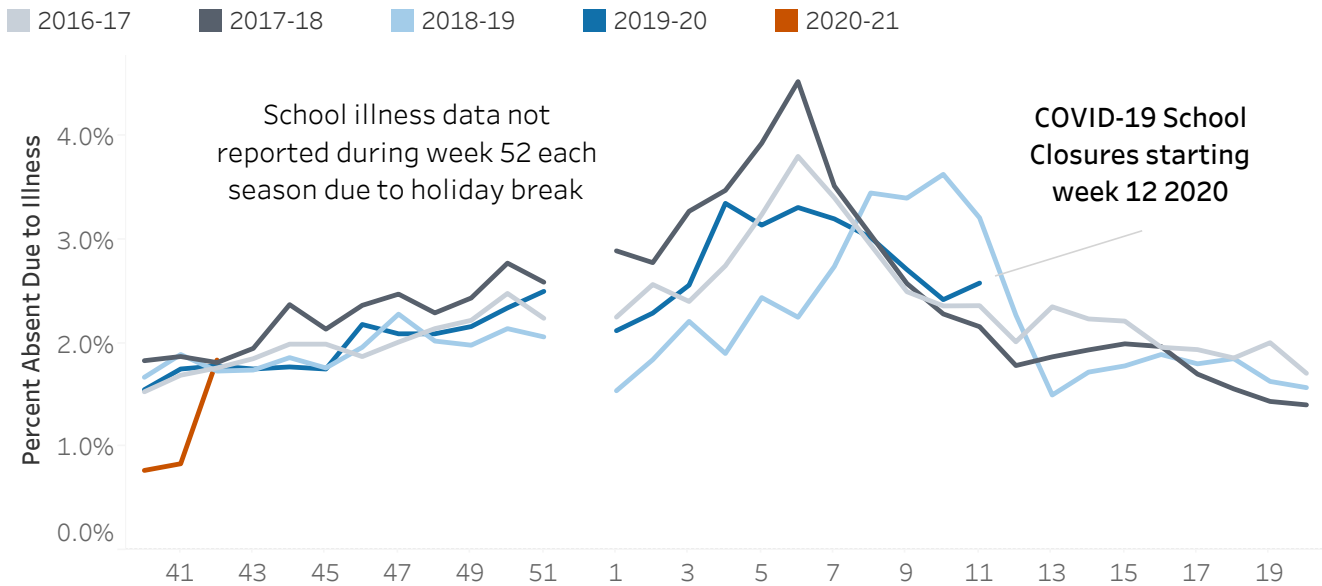
Number of Influenza-Associated Hospitalizations by Age Group

Current Week (10/4/20-10/10/20)		Cumulative (9/27/20-10/10/20)	
Age Group		Age Group	
0-4	0	0-4	0
5-24	0	5-24	0
25-49	0	25-49	0
50-64	1	50-64	1
65 and over	0	65 and over	1
Total	1	Total	2

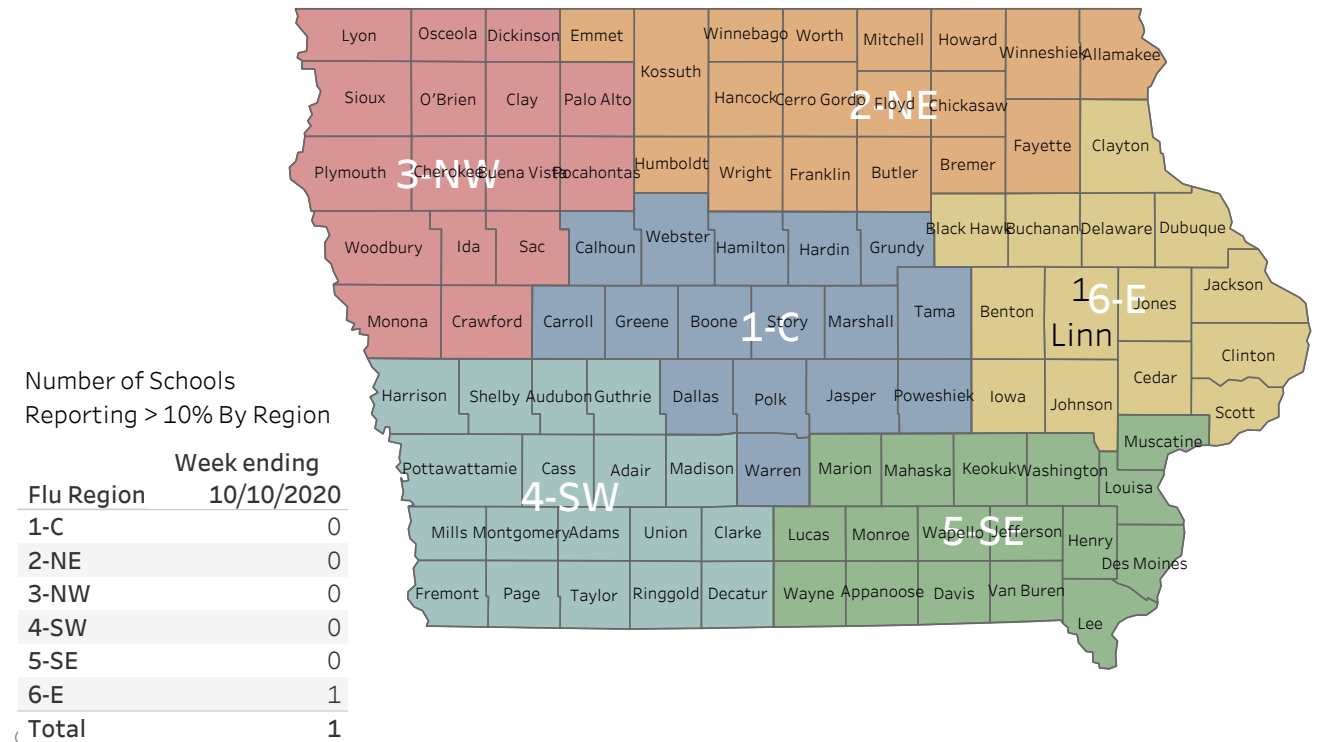
School Surveillance Program

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 when the number of students absent with any 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.

Percent of Enrolled Students Absent Due to Illness Reported by Sentinel Schools



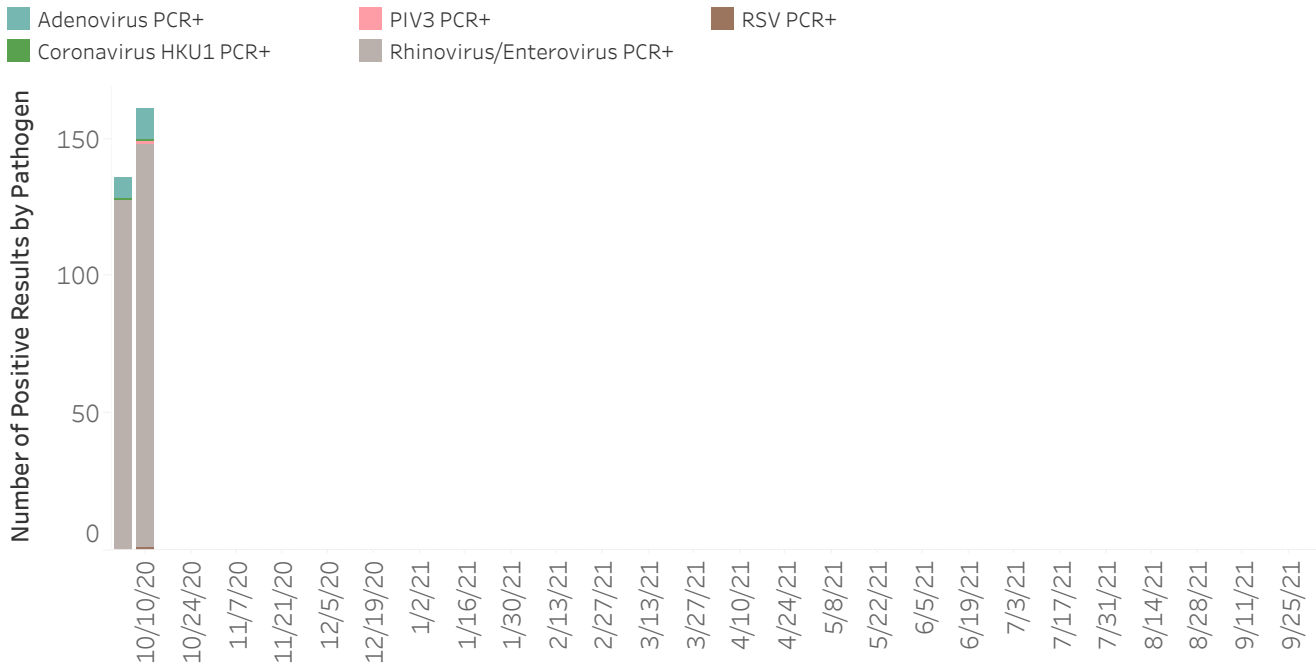
Number of Schools Reporting > 10% Absenteeism Due to Any Illness



Non-influenza Respiratory Viruses

IDPH and SHL run a weekly web-based survey program where laboratorians report the number of non-influenza respiratory virus tests performed and the number of positive results. Facilities reported the total number of tests and positive results not individual-level information.

Number of Positive Non-influenza Respiratory Viruses by Pathogen and Week



Current Week 10/4/20 - 10/10/20

Adenovirus PCR+	11
Coronavirus HKU1 PCR+	1
PIV3 PCR+	1
Rhinovirus/Enterovirus PCR+	147
RSV PCR+	1

Cumulative 9/27/20 - 10/10/20

Adenovirus PCR+	19
Coronavirus HKU1 PCR+	1
PIV3 PCR+	1
Rhinovirus/Enterovirus PCR+	275
RSV PCR+	1

Other Resources:

Vaccine:

Influenza vaccine recommendation: idph.iowa.gov/immtnb/immunization/influenza/recommendations

CDC vaccine information: 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

Minnesota: www.health.state.mn.us/diseases/flu/stats/index.html

Missouri: 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/

Wisconsin: dhs.wisconsin.gov/influenza/index.htm