



Iowa Influenza Surveillance Network (IISN)
 Influenza-like Illness (ILI) and Other Respiratory Viruses
Weekly Activity Report
 For the week ending October 9, 2021 - MMWR Week 40



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

Quick Stats for Week 40				
Predominant Flu at SHL No Flu Detected	Lab Survey Flu Positive % Antigen 0.0% PCR 0.1%	Hospitalization Rate per 10,000 1.18	Outpatient ILI % 1.36%	Cumulative Flu Deaths All Ages 0
Predominant Nonflu Virus Rhinovirus / Enterovirus	Schools Reporting 10% Illness 5	Weekly School Illness % 2.69%	Long Term Care Outbreaks 0	Cumulative Pediatric Flu Deaths 0

Flu Death 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

Overview: Overall influenza activity remains low.

Flu Tests : The State Hygienic Laboratory did not identify any influenza positive specimens from specimens submitted. No influenza antigen tests were reported positive on the Iowa respiratory virus survey. Four of the 2736 influenza molecular tests reported were positive for influenza (2 A and 2 B).

Hospitalizations: One influenza-related hospitalization was reported from sentinel sites.

ILI: The proportion of outpatient visits due to influenza-like illness (ILI) was 1.36%, which is below the regional baseline of 1.7%.

School Illness: Five schools reported 10% illness.

Outbreaks: No long-term care influenza outbreaks were reported.

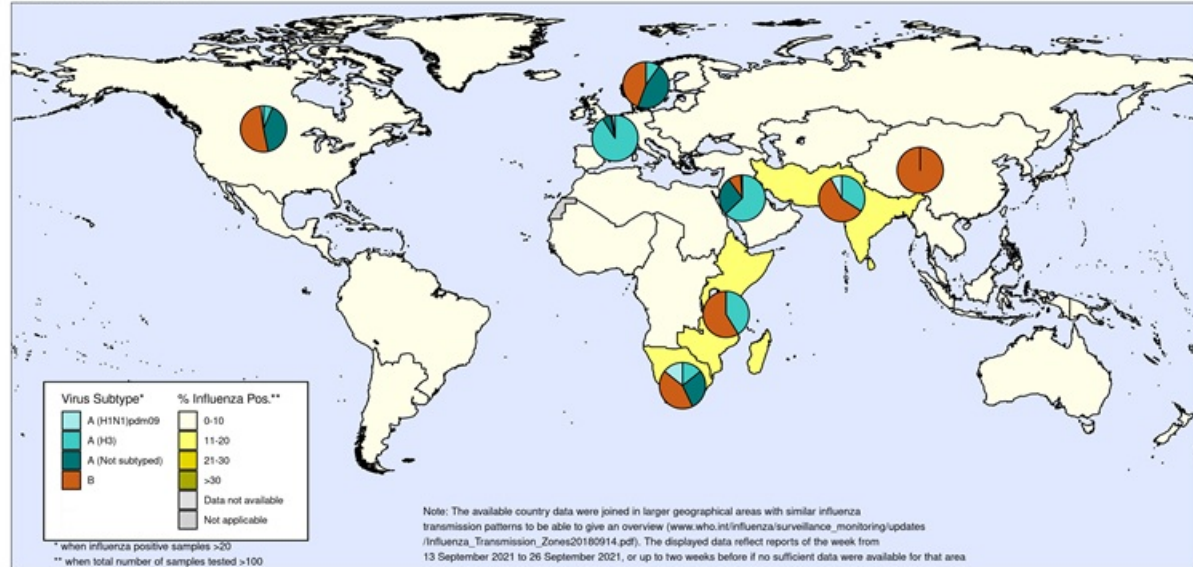
Flu deaths: No influenza-associated deaths were reported.

Non-flu testing: Rhinovirus/enterovirus was the most frequently reported non-influenza and non-COVID-19 respiratory testing target reported on the Iowa respiratory virus testing survey.

International Influenza Activity Summary - WHO

Percentage of respiratory specimens that tested positive for influenza By influenza transmission zone

Map generated on 08 October 2021



The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

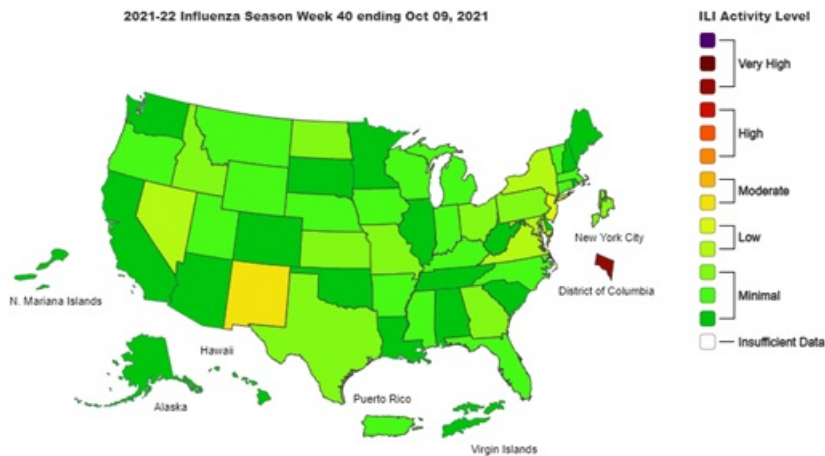
Data source: Global Influenza Surveillance and Response System (GISRS), FluNet (www.who.int/flu-net)
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Visit <https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-updates/current-influenza-update> for more information.

National Influenza Like Illness (ILI) Activity - CDC



This map shows influenza-like illness, which is determined by symptoms such as fever, cough, and sore throat that can be caused by a number of pathogens in addition to influenza (e.g., COVID-19). Detailed information can be found online at www.cdc.gov/flu/weekly/.

Influenza Testing at the State Hygienic Laboratory at the University of Iowa (SHL)

Cumulative Influenza Viruses Detected by SHL by Age Group (10/3/2021 - Current Week)

Age Group	Influenza A			Total	Influenza B			Total
	A(H1N1) pdm09	A(H3)	A not subtyped		B Victoria	B Yamagata	B not subtyped	
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 +	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0

Cumulative Flu Test Table Note: 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.

Iowa Respiratory Survey - Influenza

Flu Tests and Positivity by Region - Current Week

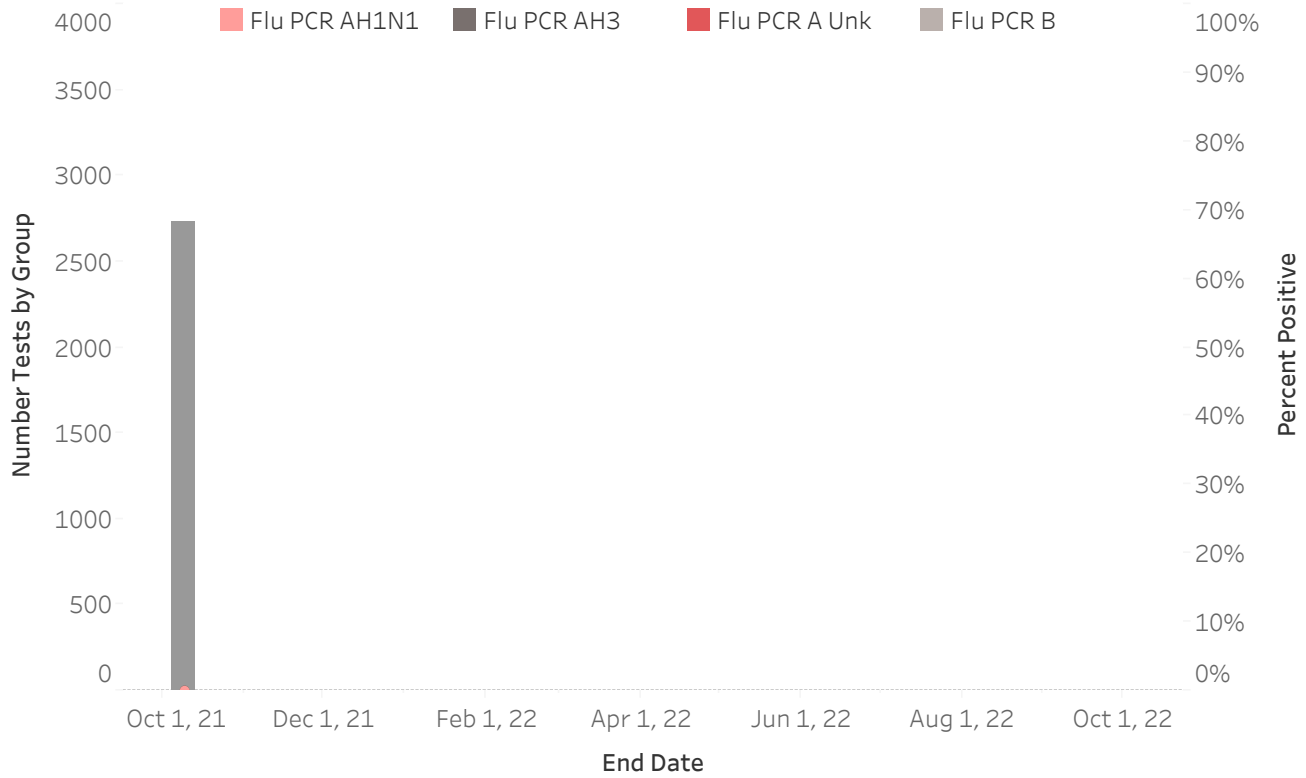
Flu Region	Flu PCR AH3		Flu PCR B	
	Percent Positive	Number Tests	Percent Positive	Number Tests
1-C	0.1%	865	0.2%	865
2-NE	0.9%	115	0.0%	115
3-NW	0.0%	73	0.0%	73
4-SW	0.0%	51	0.0%	51
5-SE	0.0%	15	0.0%	15
6-E	0.0%	1,617	0.0%	1,617
Total	0.1%	2,736	0.1%	2,736

Flu Tests and Positivity Note: Only tests with at least one positive this week are shown.

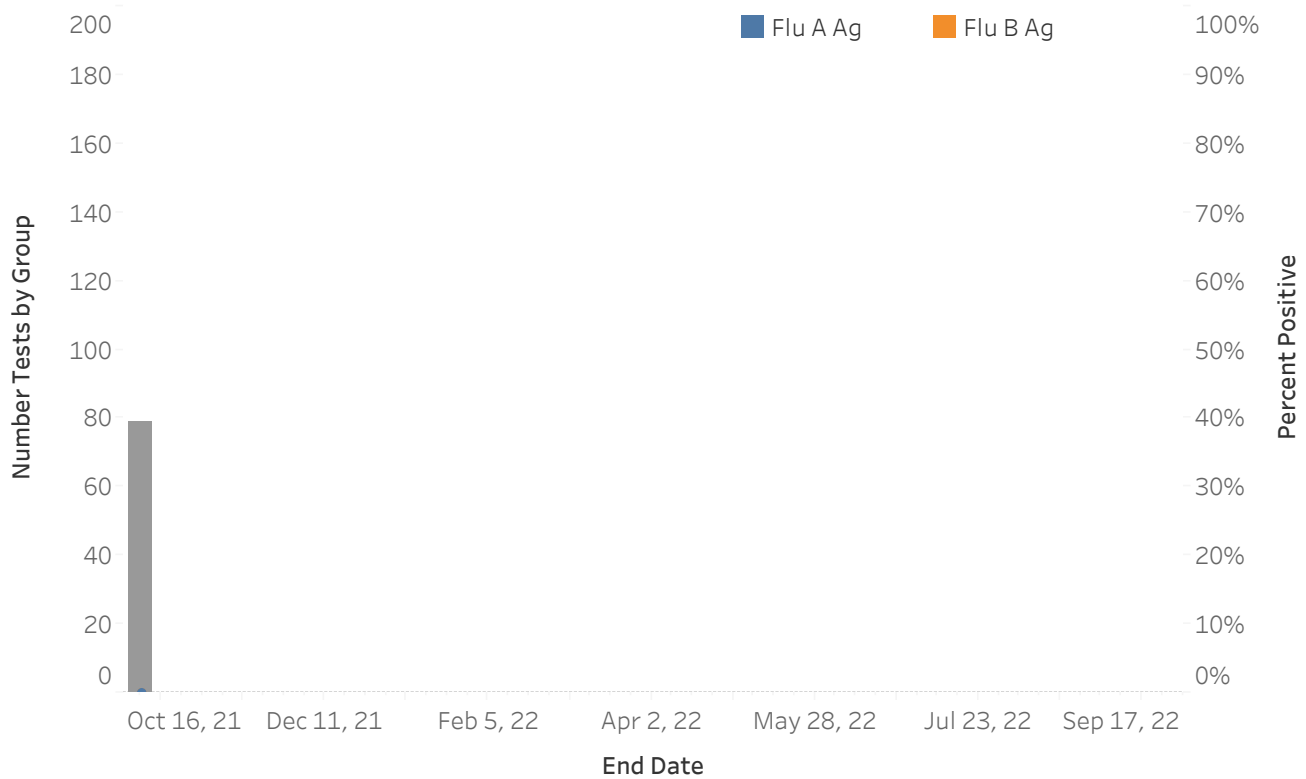
SHL Flu Testing Note: The State Hygienic Laboratory (SHL) is the primary laboratory in Iowa characterizing specimens for influenza surveillance. SHL reports the number of tests performed and the type and subtype/lineage of positive tests to the influenza surveillance network daily. SHL also sends a portion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

Respiratory Survey Note: 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 Influenza Molecular Tests and Positive Percentage



Number of Influenza Antigen Tests and Positive Percentage

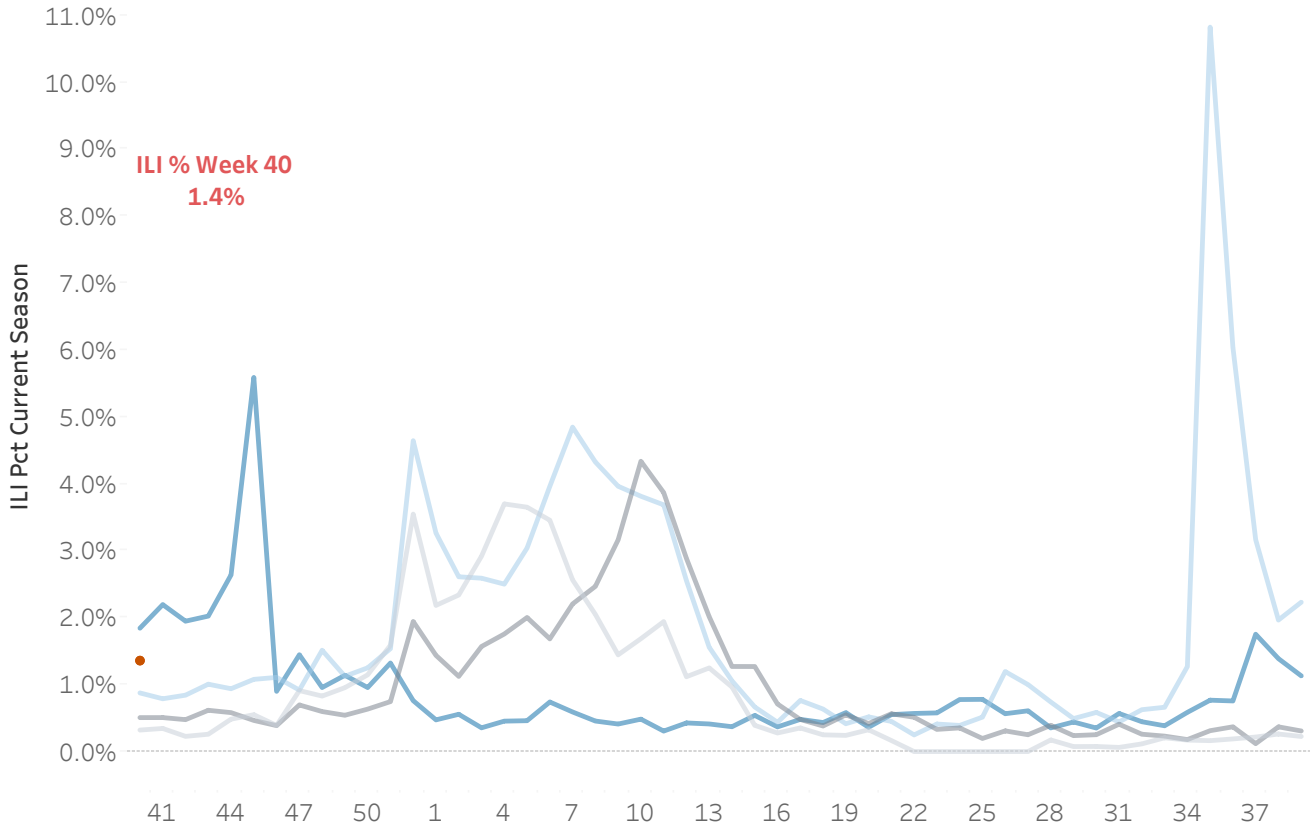


Outpatient Health Care Provider Surveillance Program (ILINet)

Percent Of Outpatient Visits Attributed to Influenza-like Illness (ILI) as Reported by ILINet Sites

■ 2017-18
 ■ 2018-19
 ■ 2019-20
 ■ 2020-21
 ■ 2021-22

ILI by Season



ILI Recent Weeks

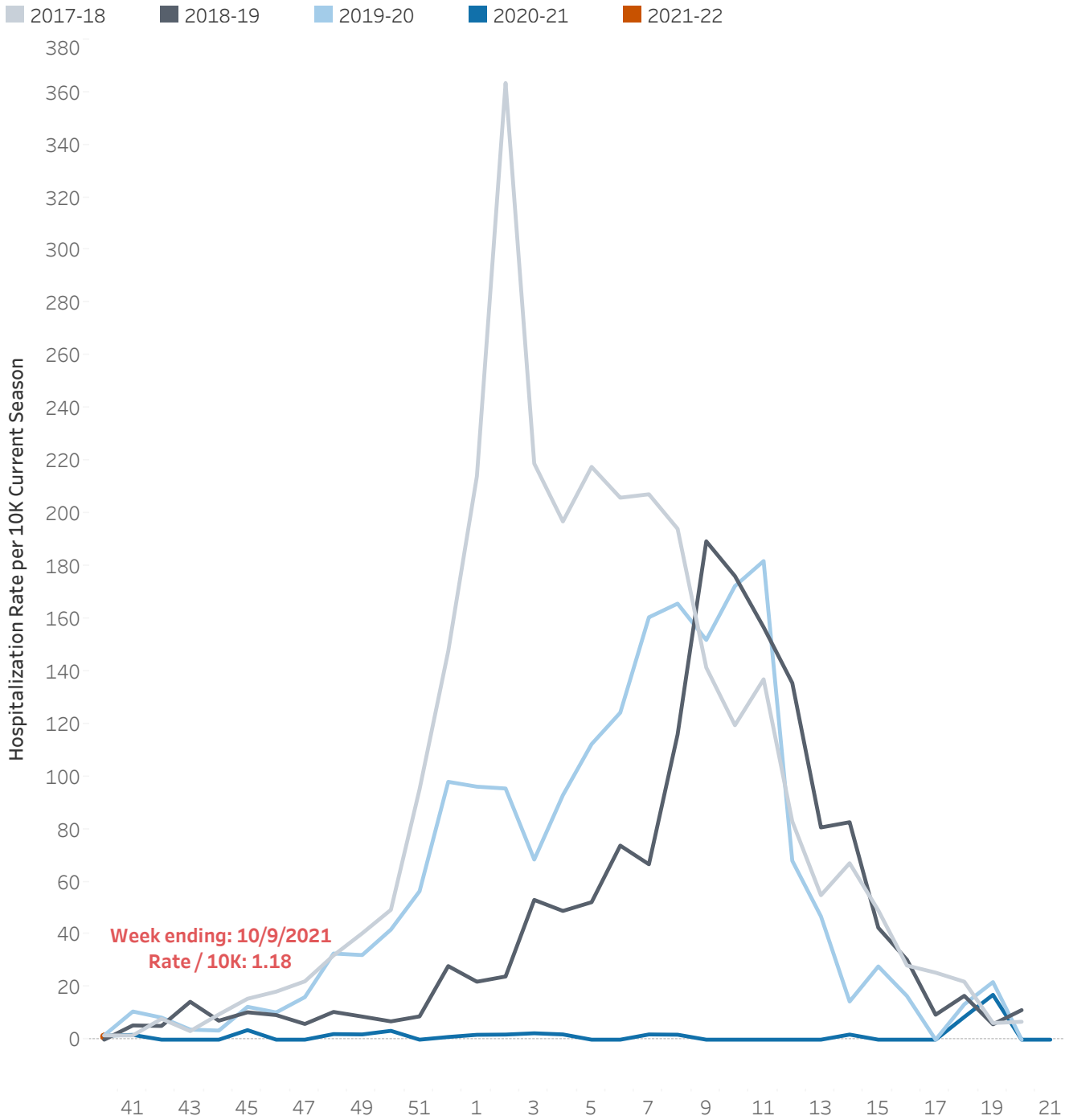
MMWR Week	End Date	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65 and older	Total ILI	Total Patients ..	ILI Pct
38	9/25/2021	16	38	15	6	2	77	5,545	1.39%
39	10/2/2021	9	42	15	1	1	68	6,009	1.13%
40	10/9/2021	8	30	18	7	4	67	4,930	1.36%

Outpatient ILI Note: 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.

ILI Definition Note: The ILI Definition has changed for 2021-22 so that persons with ILI symptoms (cough, sore throat, fever) will be counted even if positive for other respiratory illness (e.g., COVID-19) which makes comparison across seasons difficult.

Influenza-associated Hospitalizations

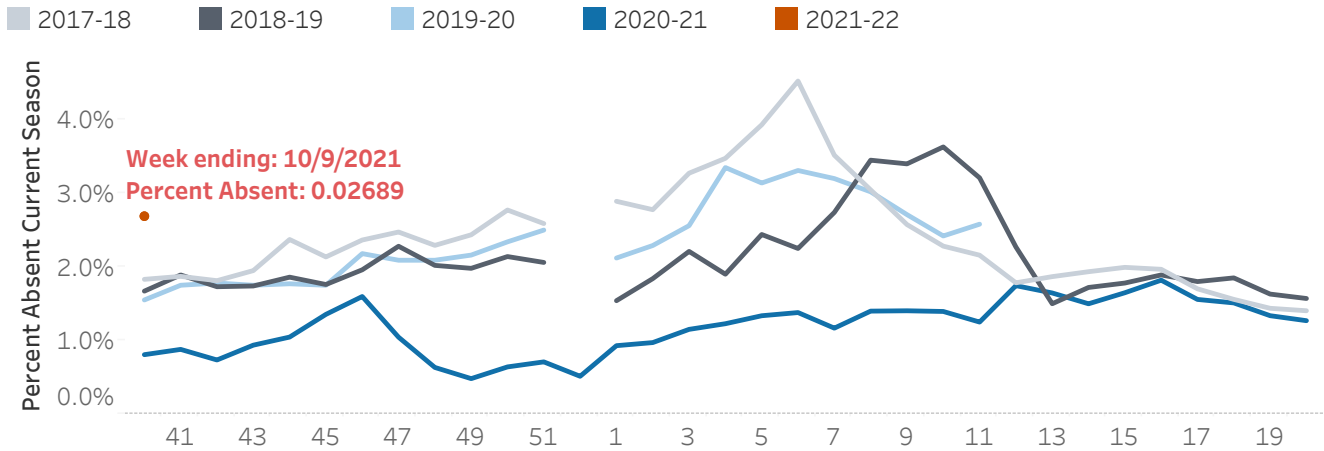
Influenza-associated Hospitalization Rate Reported by Hospital Surveillance Sites - by Season



Hospital Surveillance Note: 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.

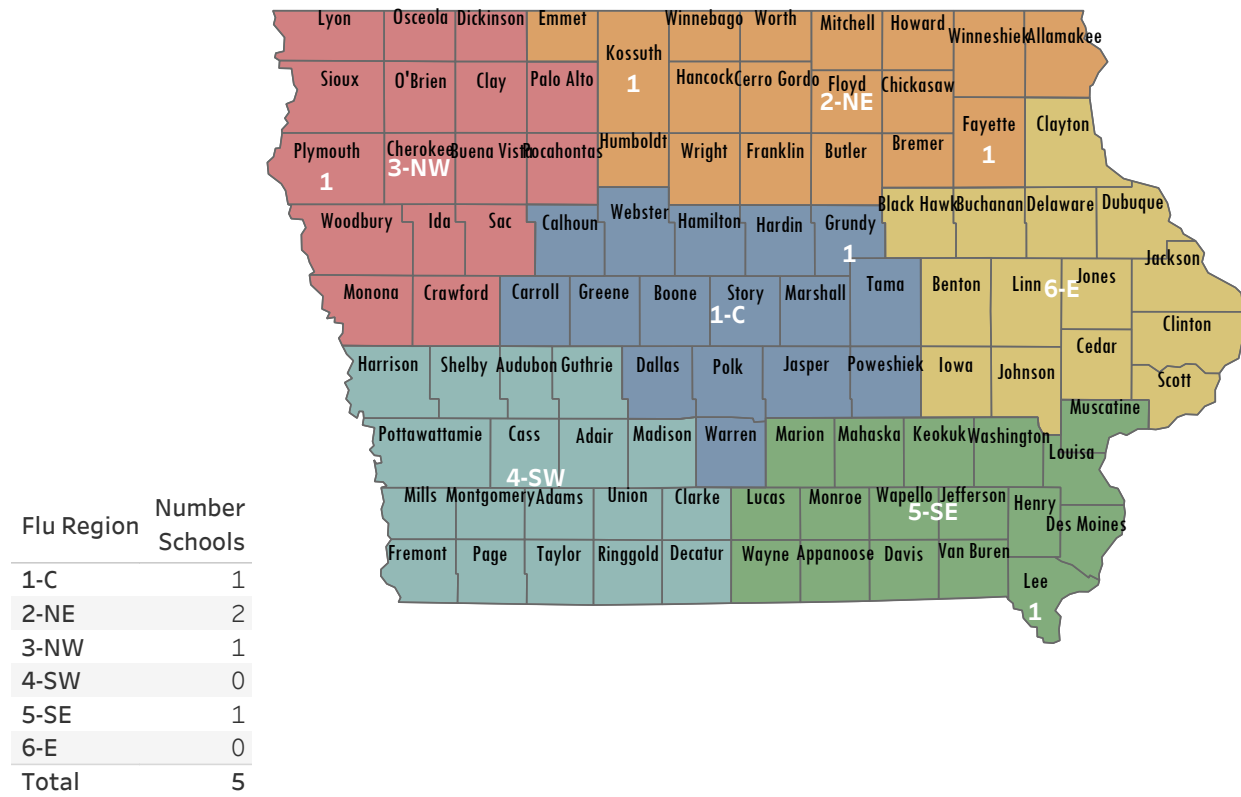
School Illness Surveillance Program

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



NOTE: School data for week 52-53 are limited due to holiday closings

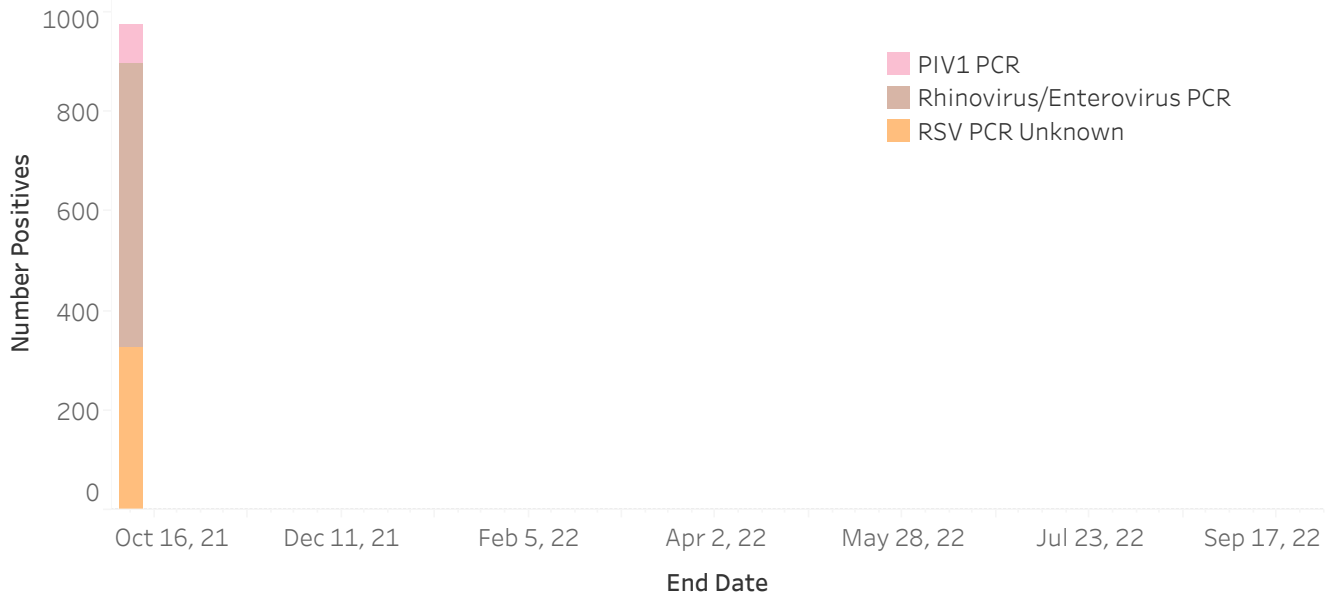
Counties with 10% School Illness 10/3/2021 - 10/9/2021



School Illness Note: 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.

Iowa Respiratory Virus Survey - Non-influenza

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



Number of Non-influenza Positive Results for Current Week and Cumulative

Pathogen (group)	Current Week Positives	Cumulative Positives
Adenovirus	64	64
Coronavirus (not COVID-19)	9	9
HMPV	6	6
Parainfluenza virus	183	183
Rhinovirus/Enterovirus	568	568
RSV	365	365
RSV Ag	39	39

Respiratory Survey note: 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. Only pathogens with at least one positive result are shown.