

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

Quick Stats for Weeks 27 - 30		
<p>Lab Survey Flu Positive %</p> <p>Antigen 5.2% PCR 0.1%</p>	<p>Outpatient ILI %</p> <p>0.43%</p>	<p>Cumulative Flu Deaths All Ages</p> <p>5</p>
<p>Predominant Nonflu Virus</p> <p>Rhinovirus / Enterovirus PCR</p>	<p>Long Term Care Outbreaks</p> <p>0</p>	<p>Cumulative Pediatric Flu Deaths</p> <p>0</p>

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 Monthly Activity Summary

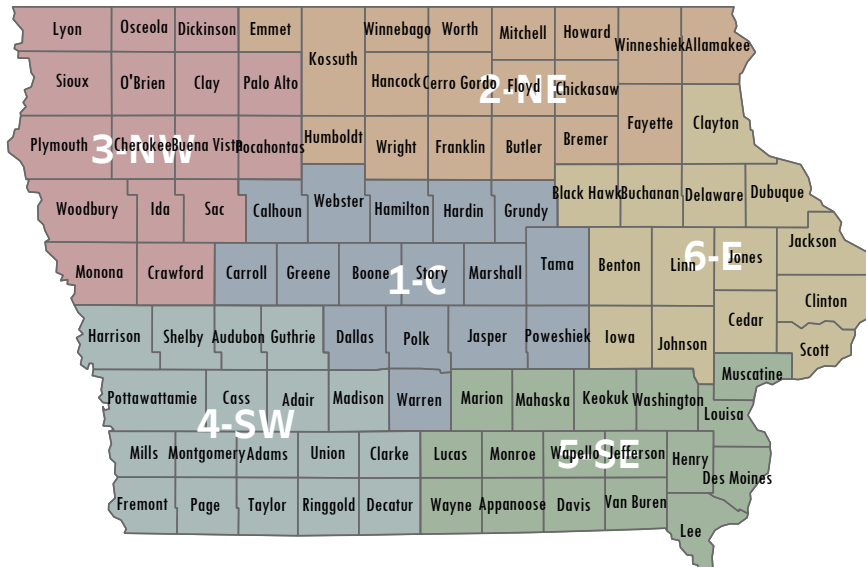
Overview: Overall influenza activity remains low.

Flu Tests : The State Hygienic Laboratory did not identify any influenza positive specimens from specimens submitted. Three influenza A positive and ten influenza B positive antigen tests were reported on the Iowa respiratory virus survey this month. Three of the 5201 (0.1%) influenza molecular tests reported were positive for influenza A(H1N1)pdm09.

ILI: The percent of outpatient visits due to influenza-like illness is below the 1.7% regional baseline.

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

Iowa Flu Region Map



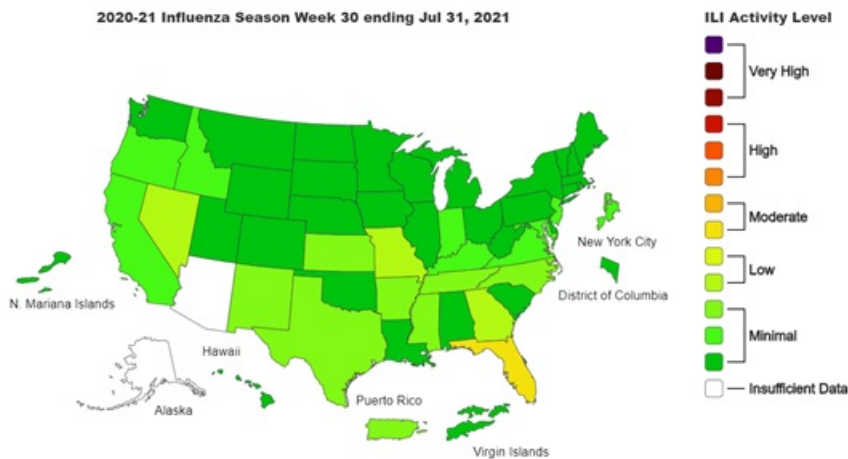
International Activity Summary (WHO)

Globally, despite continued or even increasing testing for influenza in some countries, influenza activity remained at lower levels than expected for this time of the year. In the temperate zone of the southern hemisphere, influenza activity remained at inter-seasonal levels. In the temperate zone of the northern hemisphere, influenza activity remained at inter-seasonal levels. Worldwide, influenza B detections accounted for the majority of the low numbers of detections reported.

Source (last updated 8/2/2021):

<https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-updates/current-influenza-update>

National activity summary - (CDC)



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

Note: 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).

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

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

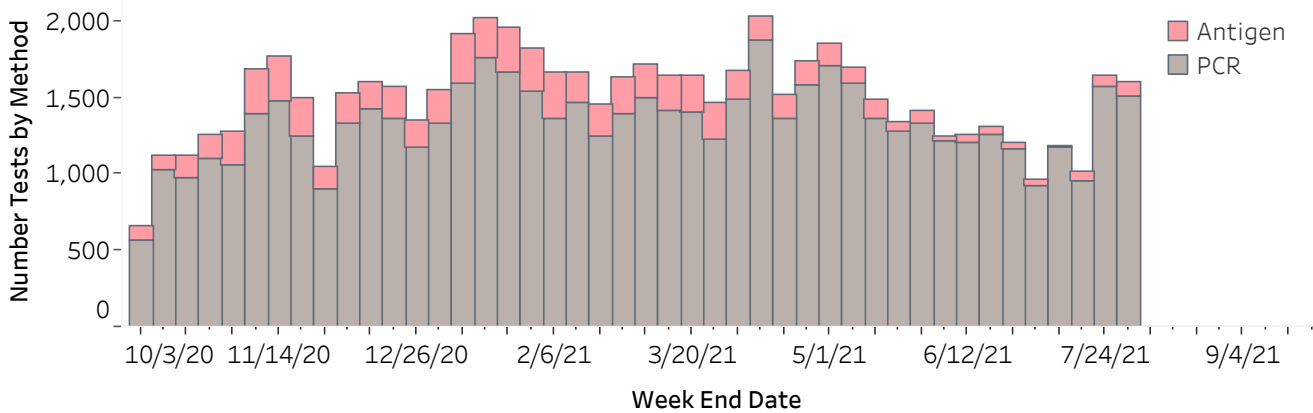
Age Group	Influenza A				Total	Influenza B			Total
	A(H1N1) pdm09	A(H3)	A not subtyped	A Variant		B Victoria	B Yamagata	B not subtyped	
0-4	0	0	0	0	0	0	0	0	0
5-17	0	0	0	0	0	0	0	0	0
18-24	1	0	0	0	1	0	0	0	0
25-49	0	0	0	0	0	0	0	0	0
50-64	0	0	0	0	0	0	0	0	0
65 and over	1	0	0	1	2	0	0	0	0
Total	2	0	0	1	3	0	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, ti..

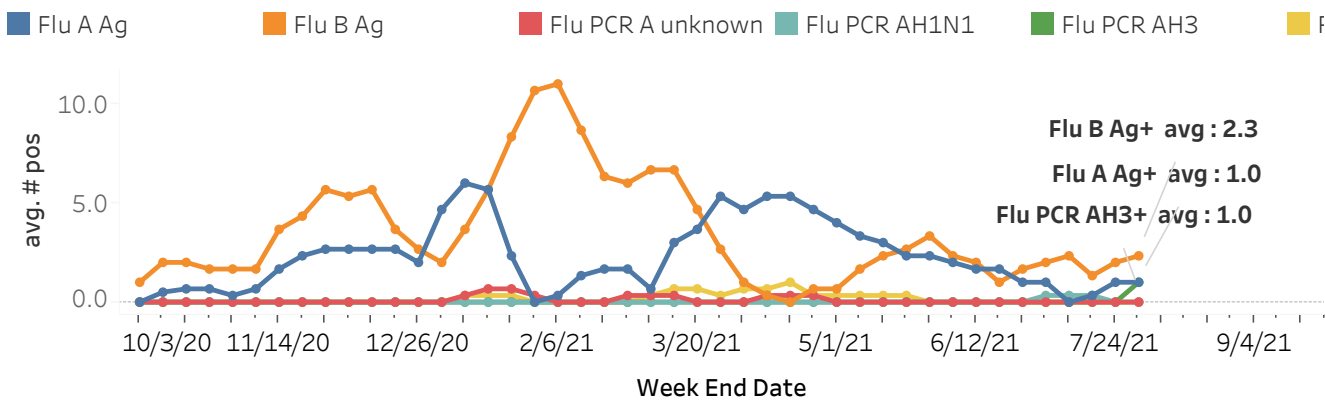
SHL Flu Testing Note: The State Hygienic Laboratory (SHL) is the primary laboratory in Iowa characterizing specimens for influenza surveillance. SHL reports the number of tests performed and the type and subtype/lineage of positive tests to the influenza surveillance network daily. SHL also sends a portion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

Influenza Antigen and Molecular Results from Respiratory Virus Survey

Number of Influenza Tests Reported By Method



Number of Influenza Positive Tests by Week, 3-week Average



NOTES: This graph now shows NUMBER of positives, not positive percentage.
Only tests with at least one positive result this season are shown.

Flu Tests by Region - Current Month (7/4/21 - 7/31/21)

Flu Region	Antigen				PCR	
	Flu A Ag		Flu B Ag		Flu PCR AH3	
	Number Positives	Positive Percent	Number Positives	Positive Percent	Number Positives	Positive Percent
1-C	0	0.0%	0	0.0%	0	0.0%
2-NE	0	0.0%	0	0.0%	0	0.0%
3-NW	3	1.5%	10	4.9%	0	0.0%
4-SW	0	0.0%	0	0.0%	3	2.0%
5-SE	0	0.0%	0	0.0%	0	0.0%
6-E	0	0.0%	0	0.0%	0	0.0%
Total	3	1.2%	10	4.0%	3	0.1%

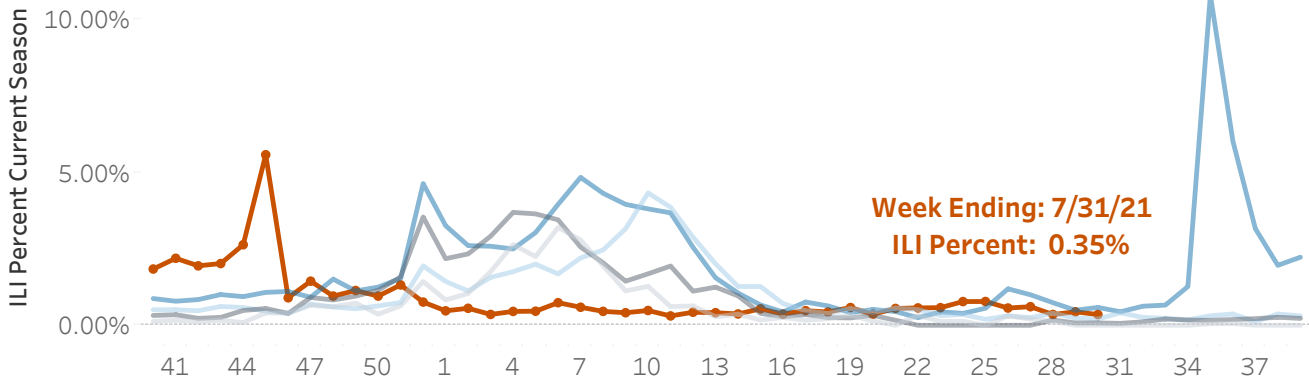
Respiratory Survey Note: IDPH and SHL run a weekly web-based survey program where laboratorians report the number of influenza and respiratory syncytial virus (RSV) rapid tests performed and the number of tests positive. Facilities reported the total number of tests and positive results not individual-level information.

Outpatient Health Care Provider Surveillance Program (ILINet)

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

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

ILI by Season



ILI Recent Weeks

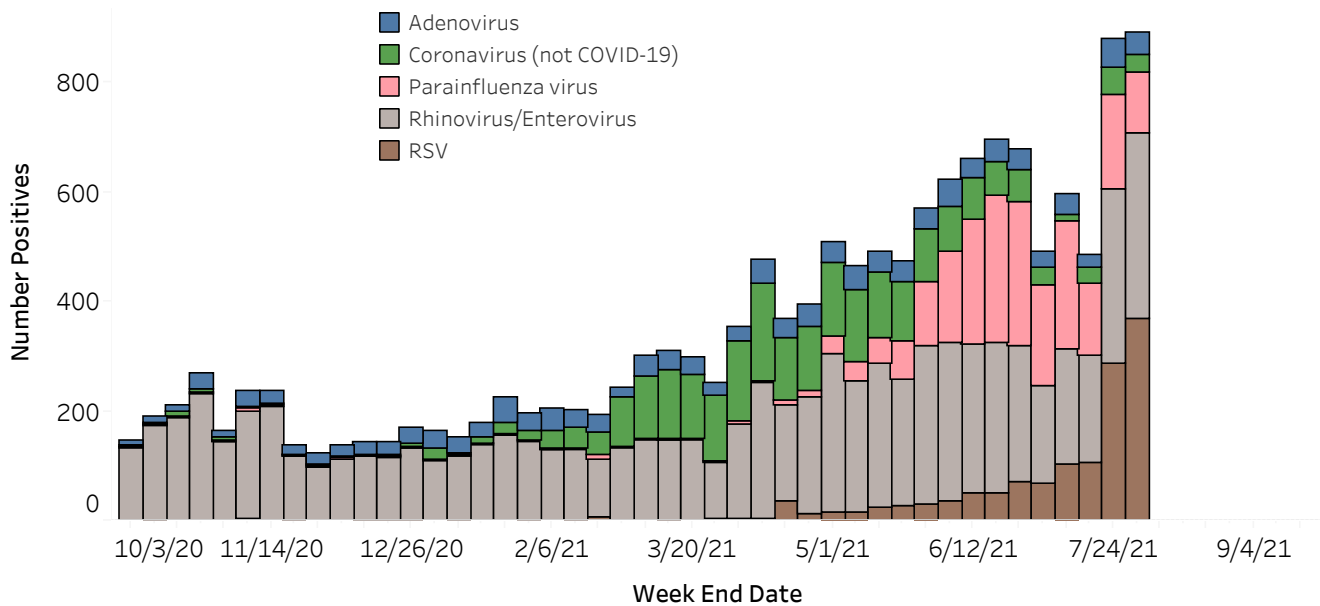
MMWR Week	End Date	Age 0-4	Age 5-24	Age 25-49	Age 50-64	Age 65 and older	Total ILI	ILI Percent
27	7/10/21	6	3	3	2	0	14	0.61%
28	7/17/21	2	3	5	0	0	10	0.35%
29	7/24/21	1	9	3	0	0	13	0.44%
30	7/31/21	3	1	5	1	0	10	0.35%

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.

Week 46 note: IDPH worked with sites reporting high ILI last week to exclude reported influenza-like illness due to COVID which greatly reduced the ILI% from week 45.

Non-influenza Respiratory Viruses

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



Number of Non-influenza Positive Results for Month and Cumulative

Pathogen / Group	Current Month Positives	Cumulative Positives
Adenovirus PCR	150	1,355
Coronavirus PCR 229E	10	68
Coronavirus PCR HKU1	0	22
Coronavirus PCR NL63	3	1,182
Coronavirus PCR not typed	13	212
Coronavirus PCR OC43	100	900
HMPV PCR	2	10
PIV1 PCR	2	10
PIV2 PCR	27	55
PIV3 PCR	615	2,014
PIV4 PCR	7	56
Rhinovirus / Enterovirus PCR	1,064	8,148
RSV Ag	51	58
RSV PCR	861	1,309

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.

Other Resources:

Influenza vaccine recommendation: <https://idph.iowa.gov/immtb/immunization/influenza/recommendations>
 CDC vaccine information: <https://www.cdc.gov/flu/prevent/keyfacts.htm>
 Vaccine finder: <https://vaccinefinder.org/>

Neighboring states' influenza information:

Illinois: <https://dph.illinois.gov/topics-services/diseases-and-conditions/influenza/influenza-surveillance>
 Minnesota: <https://www.health.state.mn.us/diseases/flu/stats/index.htm>
 Missouri: <https://health.mo.gov/living/healthcondiseases/communicable/influenza/reports.php>
 Nebraska: <http://dhhs.ne.gov/Pages/Flu-Activity.aspx>
 South Dakota: <https://doh.sd.gov/diseases/infectious/flu/>
 Wisconsin: <https://dhs.wisconsin.gov/influenza/index.htm>