

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

Quick Stats Week for Week 42				
Predominant Flu at SHL No Flu Detected	Lab Survey Flu Positive % Antigen 1.1% PCR 0.0%	Hospitalization Rate per 10,000 0.00	Outpatient ILI % 1.93%	Flu Deaths All Ages 0
Predominant Nonflu Virus Rhinovirus / Enterovirus	Schools Reporting 10% Illness 2	Weekly School Illness % 1.8%	Long Term Care Outbreaks 0	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

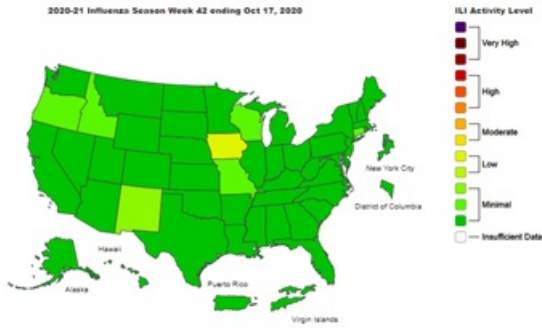
Reported influenza activity continues to be at a low level. The State Hygienic Laboratory did not identify any influenza positive specimens from specimens submitted. Three influenza antigen positive results (2 B and 1 A) were reported on the Iowa respiratory virus survey. No influenza-related hospitalizations were reported. The proportion of outpatient visits due to influenza-like illness (ILI) was 1.93%, which is above the regional baseline of 1.7%. Two school districts reported 10% illness. No long-term care influenza outbreaks and no influenza-associated deaths were reported. Rhinovirus/enterovirus was the most frequently reported non-influenza / non-COVID-19 respiratory virus reported from the labs completing the Iowa respiratory virus testing survey.

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.

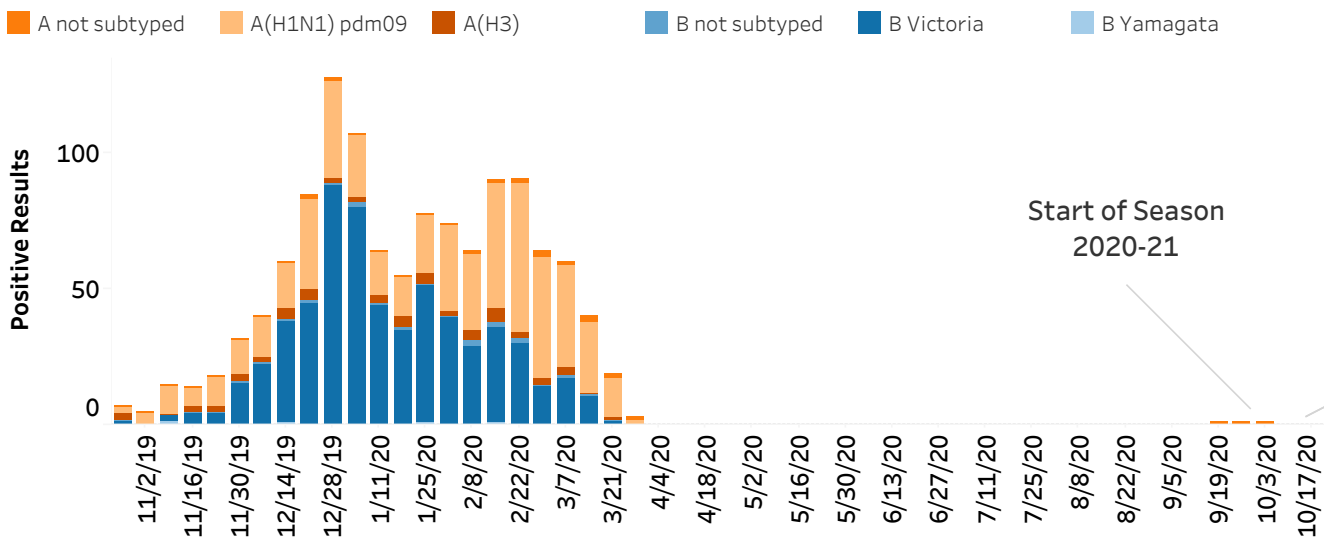
National activity summary - (CDC)-Last Updated in Week 42:



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)

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)

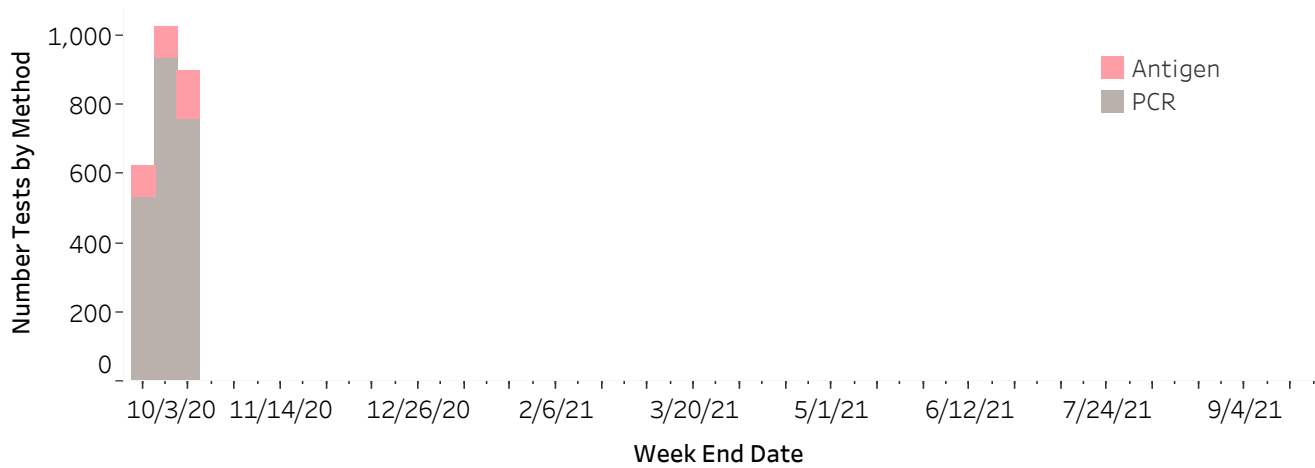
Age Group	Influenza A			Total	Influenza B			Total
	A(H1N1) ..	A(H3)	A not sub..		B Victoria	B Yamagata	B not subt..	
0-4	0	0	0	0	0	0	0	0
5-17	0	0	0	0	0	0	0	0
18-24	0	0	0	0	0	0	0	0
25-49	0	0	0	0	0	0	0	0
50-64	0	0	0	0	0	0	0	0
65 and over	0	0	1	1	0	0	0	0
Total	0	0	1	1	0	0	0	0

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.

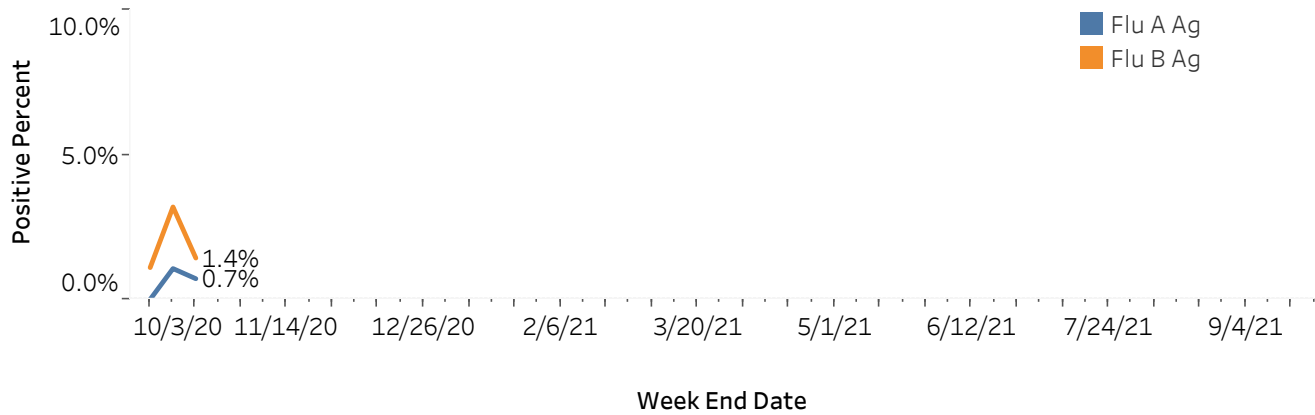
SHL Flu Testing Note: The State Hygienic Laboratory (SHL) is the primary laboratory in Iowa characterizing specimens for influenza surveillance. SHL reports the number of tests performed and the type and subtype/lineage of positive tests to the influenza surveillance network daily. SHL also sends a portion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

Influenza Antigen and Molecular Results from Respiratory Virus Survey

Number of Influenza Tests Reported By Method



Percent Positivity of Influenza Tests



Flu Tests by Region Week 42 (10/11/2020 - 10/17/20)

Flu Region	Flu A Ag		Flu B Ag	
	Number Positives	Positive Percent	Number Positives	Positive Percent
1-C	0	0.0%	1	6.3%
2-NE	0		0	
3-NW	1	1.2%	1	1.2%
4-SW	0	0.0%	0	0.0%
5-SE	0	0.0%	0	0.0%
6-E	0	0.0%	0	0.0%
Total	1	0.7%	2	1.4%

Only tests with at least one positive result are shown.

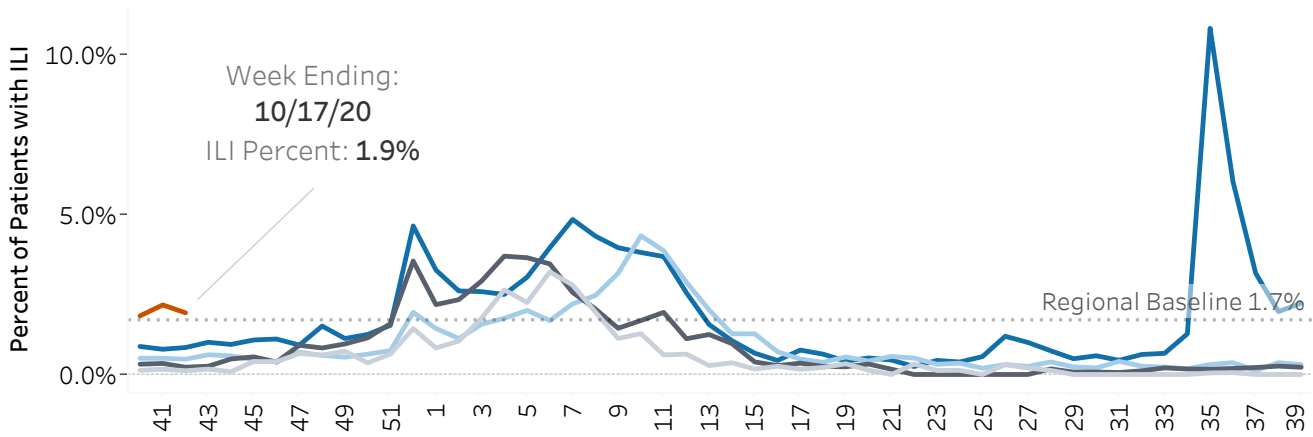
Respiratory Survey Note: IDPH and SHL run a weekly web-based survey program where laboratorians report the number of influenza and respiratory syncytial virus (RSV) rapid tests performed and the number of tests positive. Facilities reported the total number of tests and positive results not individual-level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

Outpatient Health Care Provider Surveillance Program (ILINet)

Percent Of Outpatient Visits Attributed to 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%
42	10/17/20	5	75	11	1	5	97	1.93%

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.

Influenza-associated Hospitalizations

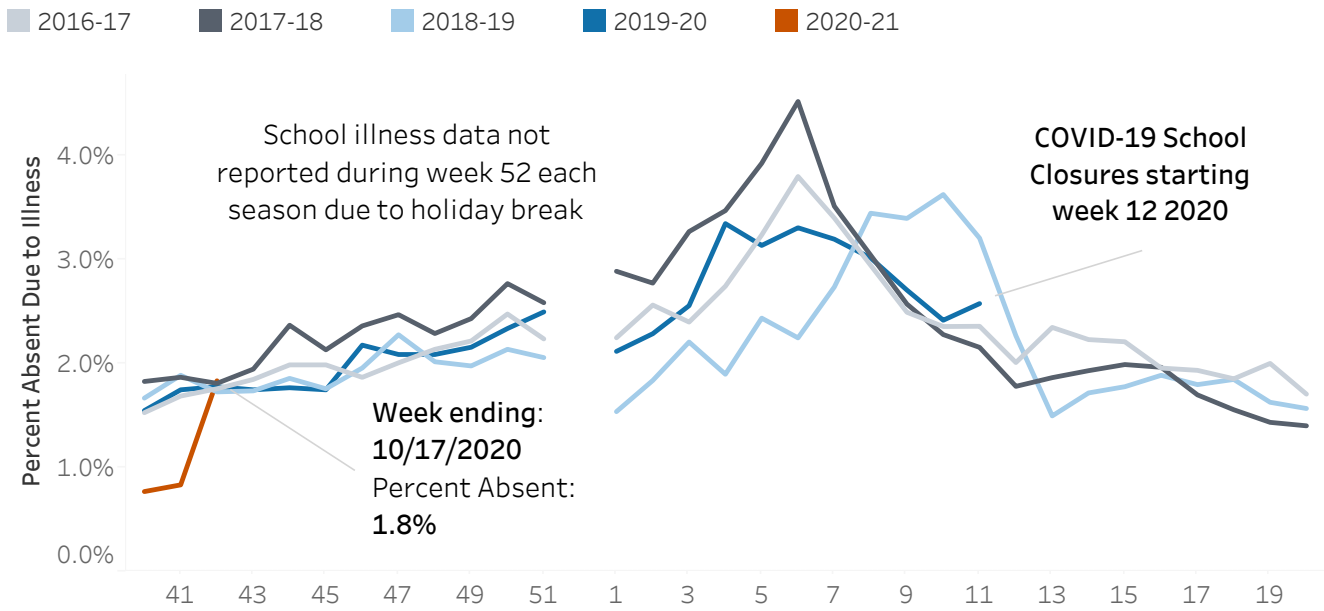
Number of Influenza-Associated Hospitalizations by Age Group

Current Week (10/11/20-10/17/20)		Cumulative (9/27/20-10/17/20)	
Age Group		Age Group	
0-4	0	0-4	0
5-24	0	5-24	0
25-49	0	25-49	0
50-64	0	50-64	1
65 and over	0	65 and over	1
Total	0	Total	2

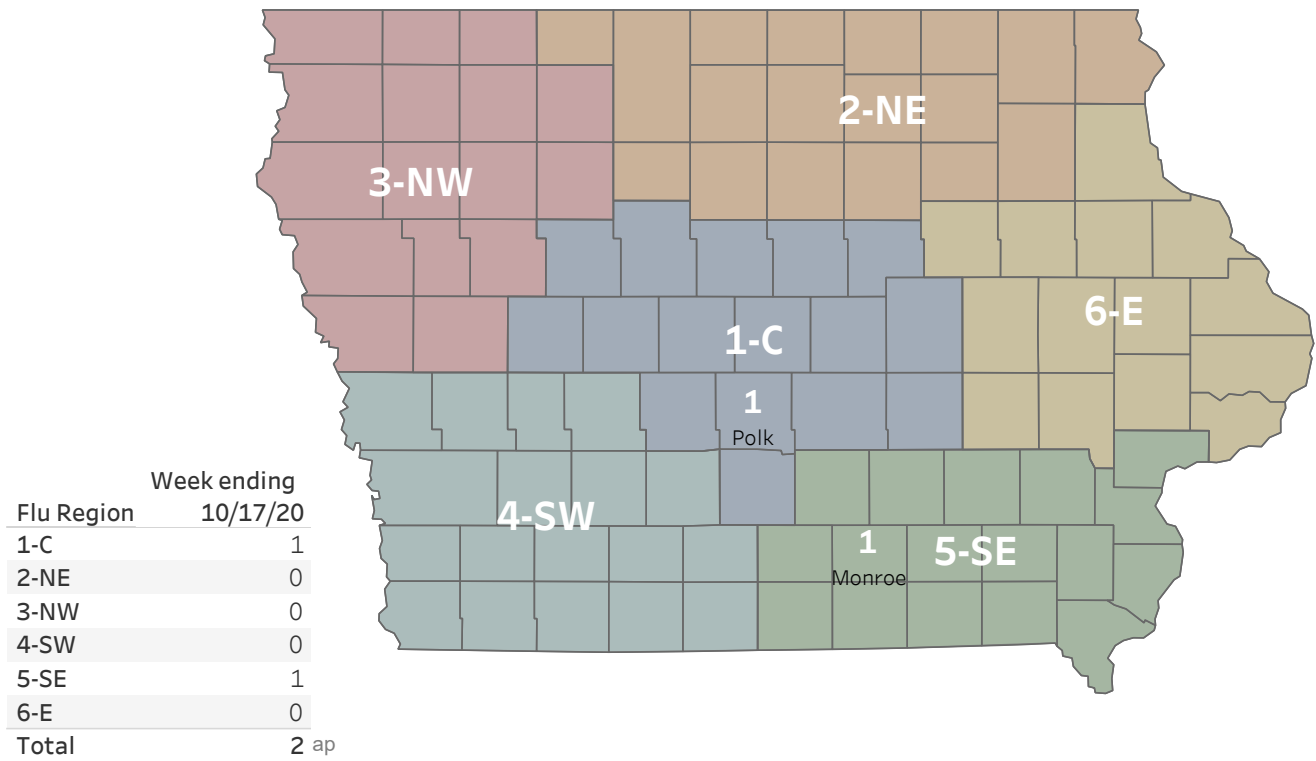
Hospital Surveillance Note: Sentinel hospitals that participate in IISN voluntarily track and report the number of influenza-associated hospitalizations and the total number of inpatients each week. Iowa hospitals interested in joining this surveillance program should contact Andy Weigel at 515-322-1937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

School Surveillance Program

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



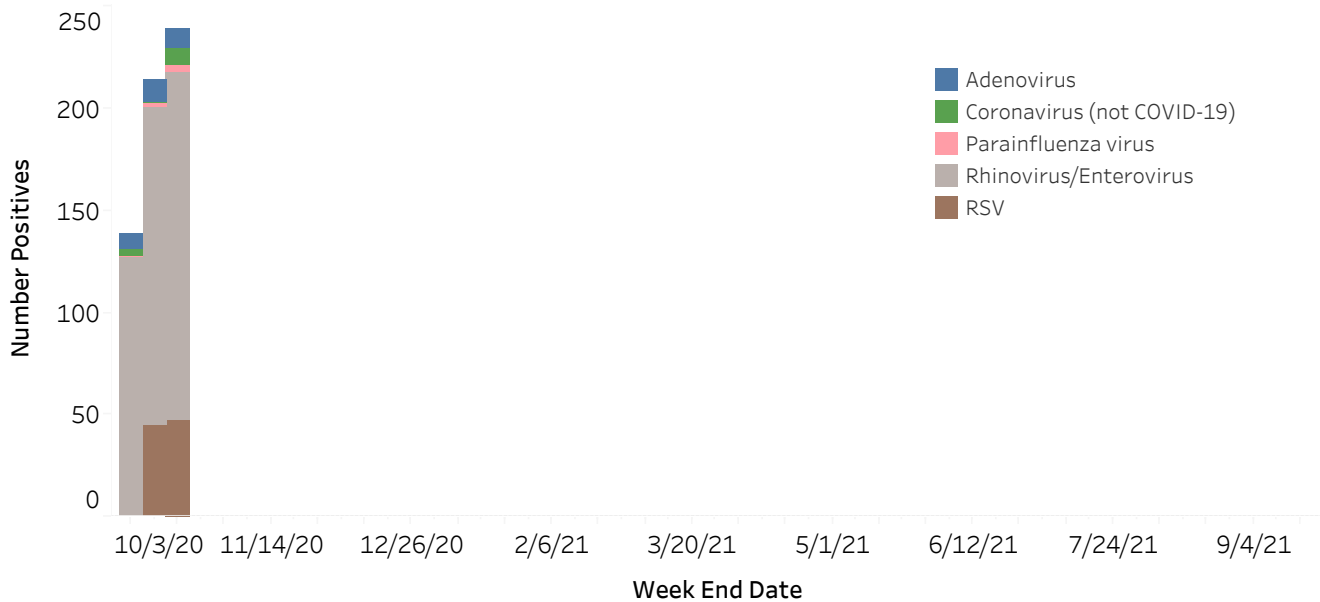
Number of Schools Reporting > 10% Absenteeism Due to Any Illness



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.

Non-influenza Respiratory Viruses

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



Current Week 10/11/2020 - 10/17/20

Pathogen	Count
Adenovirus PCR	9
Coronavirus PCR HKU1	1
Coronavirus PCR 229E	1
Coronavirus PCR NL63	2
Coronavirus PCR not typed	5
PIV2 PCR	1
PIV4 PCR	2
Rhinovirus / Enterovirus	171
RSV PCR B	47

Cumulative 9/27/2020 - 10/17/20

Pathogen	Count
Adenovirus PCR	28
Coronavirus PCR HKU1	2
Coronavirus PCR 229E	1
Coronavirus PCR NL63	2
Coronavirus PCR not typed	8
PIV2 PCR	1
PIV3 PCR	1
PIV4 PCR	2
Rhinovirus / Enterovirus	455
RSV PCR B	91
RSV PCR unknown	1

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.

Other Resources:

Influenza vaccine recommendation: idph.iowa.gov/immtb/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