

# 2019-20 Weekly Influenza Update

Preliminary data through week 202012, the week ending 03/21/2020

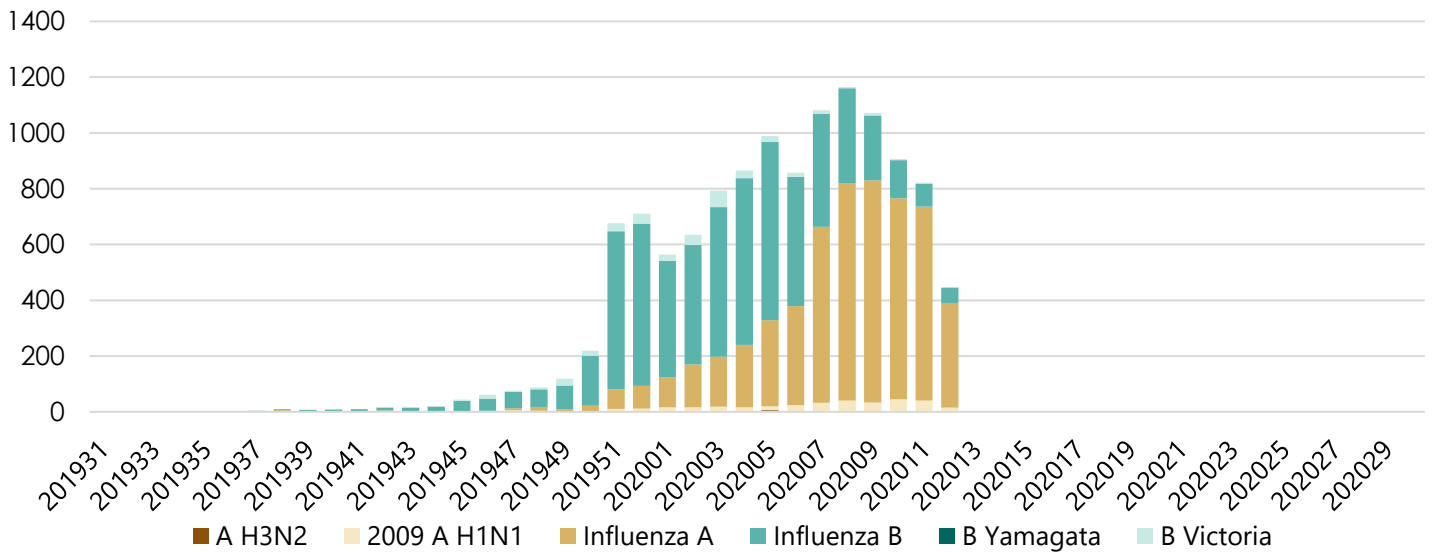
Edited by: Levi Schlosser, Influenza Surveillance Coordinator

## Overview

As of this week:	This season (2019-20)	Last season (2018-19)
Cases reported for the week	446	410
Cumulative cases for season	12,285	6,769
Activity level	Regional	Widespread

The number of laboratory-confirmed influenza cases has dropped by nearly half from the previous week, accompanied by our transition into regional influenza activity. The number of hospitalizations and deaths associated with influenza is also on the decline. However, the percentage of outpatient visits associated with influenza-like illness has risen to 7.8%. While influenza activity is on the decline, it is still important to take necessary precautions to protect yourself and others against all respiratory illnesses. Proper hand hygiene, as well as staying home from work or school when you are ill, are important steps you can take to prevent the spread of the flu and other respiratory illnesses.

**Number of Reported Laboratory-Identified Influenza Cases by Week Number**

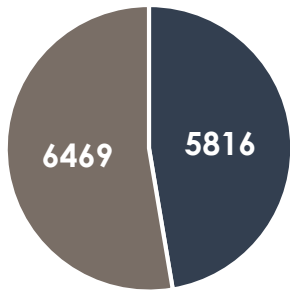


Number of cases:	A H3N2	2009 A H1N1	Influenza A	Influenza B	B Yamagata	B Victoria
This week	0	15	376	55	0	0
This season	23	343	5547	6011	3	358

Laboratory-confirmed influenza is a reportable disease in North Dakota. Influenza “cases” include people that have tested positive for influenza in a healthcare setting. It does not include people with influenza who did not seek healthcare, or who were diagnosed without a lab test, which is common. The true number of people with influenza in North Dakota is underrepresented, but case data allows us to see where and in what populations influenza is circulating. It also provides context regarding how the current season compares with previous seasons. Find more information about cases on [www.ndflu.com](http://www.ndflu.com).

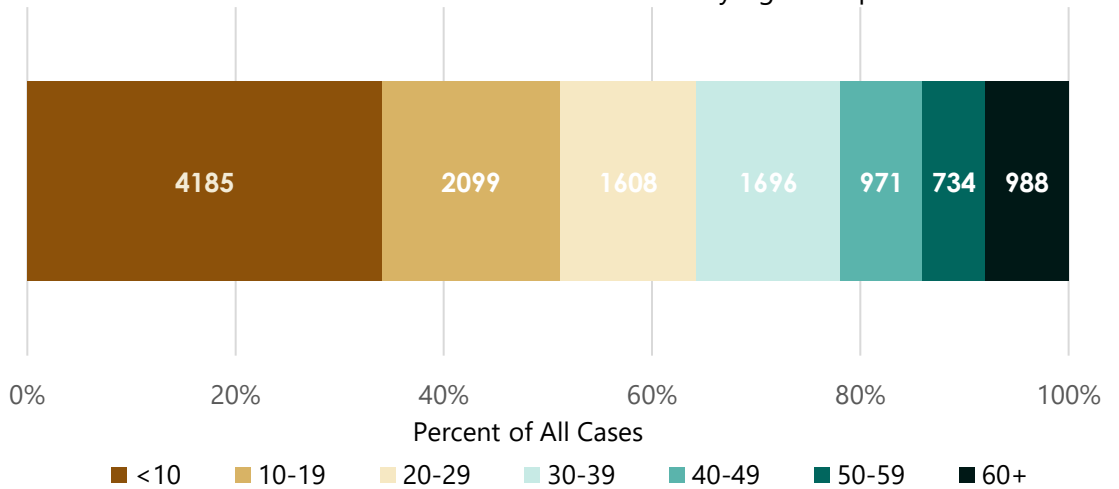
## Case Demographics

**Case Count** for Lab-Confirmed Cases by Gender

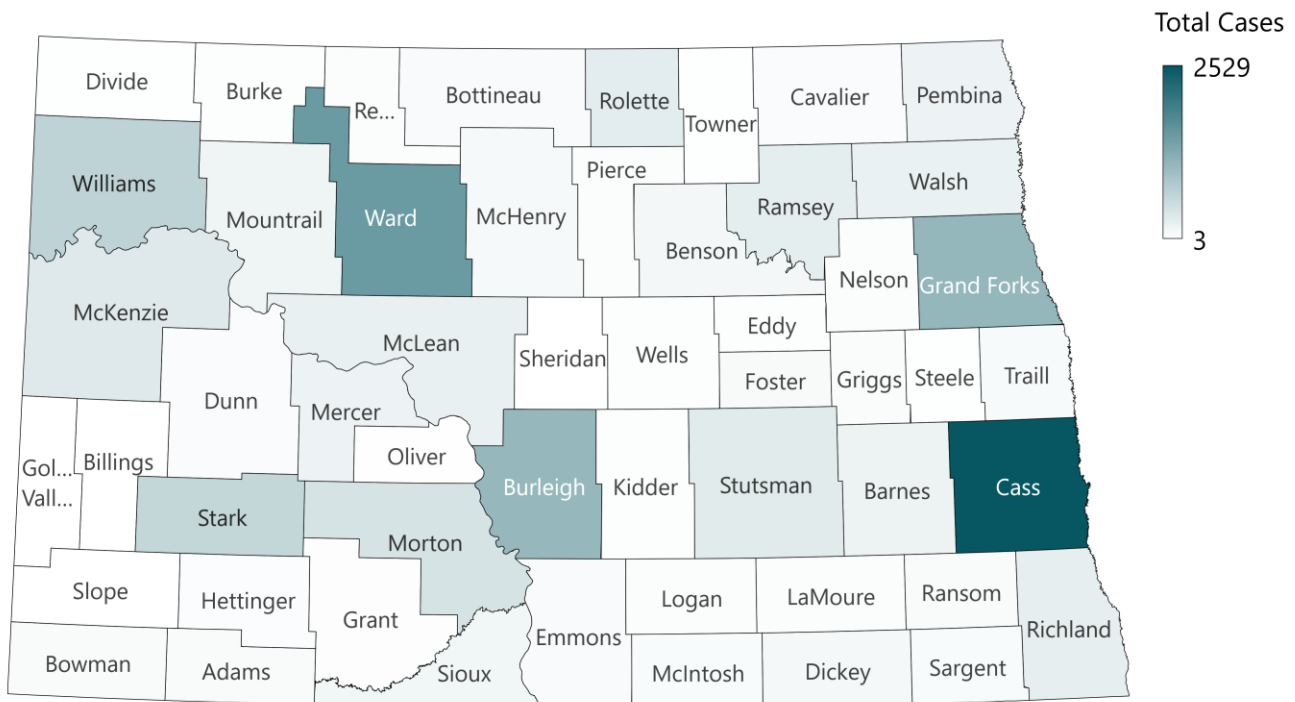


■ MALE ■ FEMALE

**Case Count** for Lab-Confirmed Cases by Age Group



Cases by **County**



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# Outbreaks

During the influenza season, influenza outbreaks are common anywhere people gather, including schools, child care centers, and health care facilities. Outbreaks of influenza or influenza-like illness may be reported to the NDDoH. The following outbreaks have been reported this season:

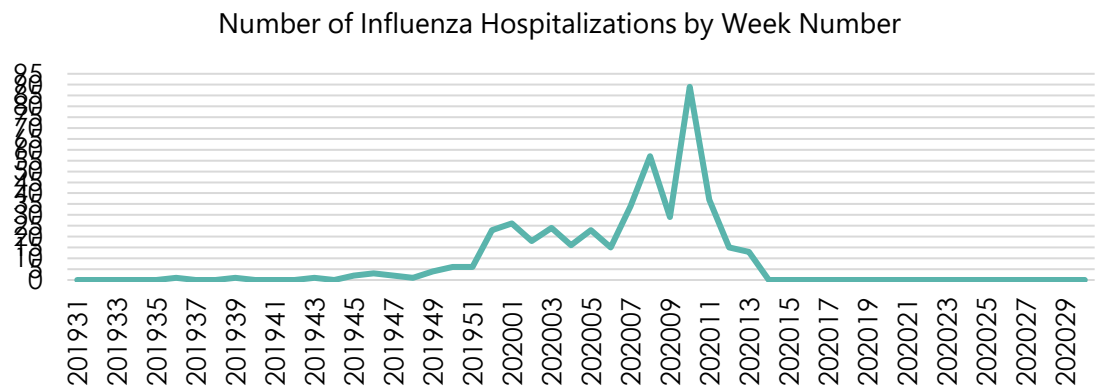
Setting	Number of outbreaks	Identified pathogens
Long Term Care, Basic Care, Assisted Living	24	Influenza A, B
Schools	2	-
Child Care Centers	5	Influenza A, B

# Surveillance Programs

In addition to case reporting, the NDDoH uses a variety information sources to fully describe of what is happening during the influenza season.

# Hospitalizations

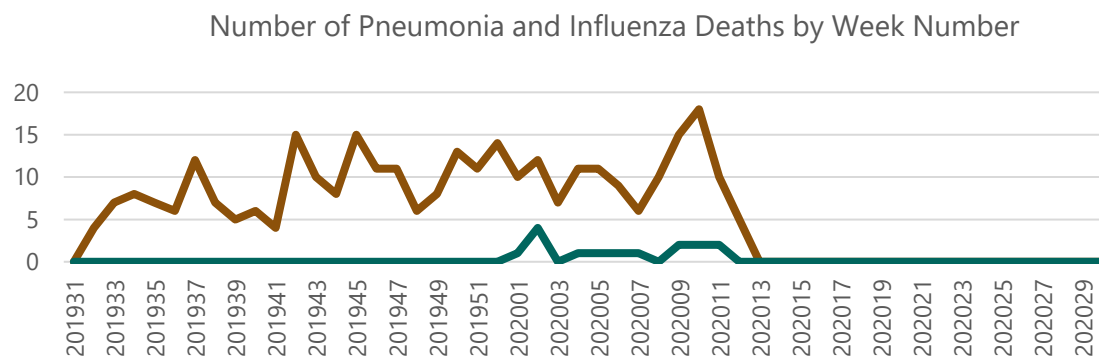
This season, the NDDoH has introduced a new influenza hospitalization surveillance program. Select North Dakota hospitals report the number influenza-related hospitalizations weekly to the NDDoH. Because this surveillance methodology is new, hospitalization numbers this year may not be comparable to previous years.



<b>Total number of Hospitalizations:</b>	
<b>This week</b>	13
<b>This season</b>	446

# Deaths

Data on pneumonia and influenza deaths is obtained from Vital Records and based on the cause of death listed on the death certificate.

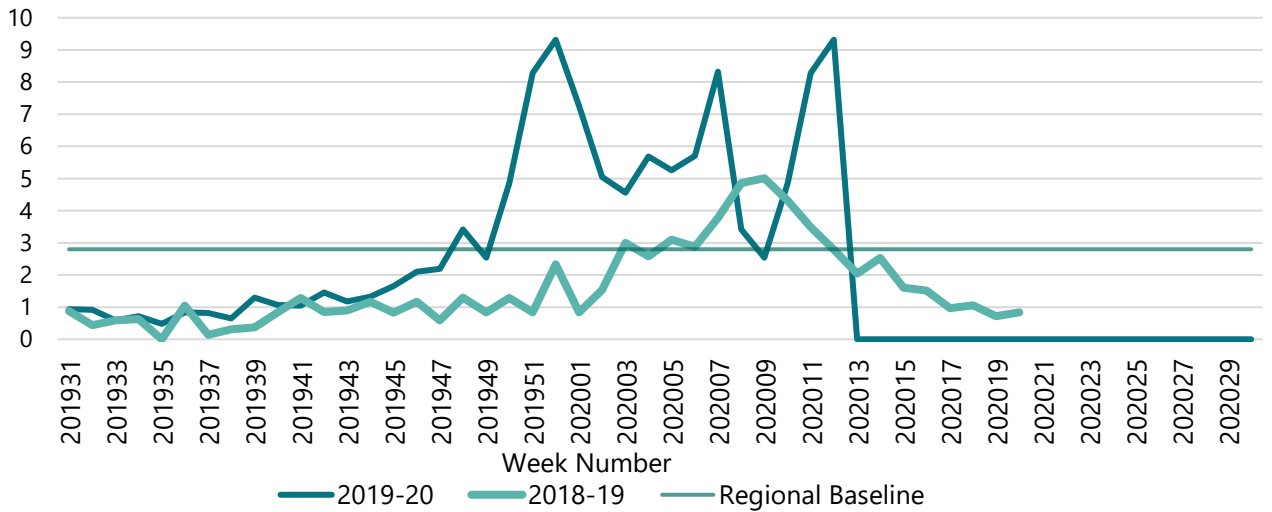


<b>Total number of deaths for the season:</b>	
<b>Pneumonia</b>	312
<b>Influenza</b>	15

# Outpatient Influenza-like Illness

The NDDoH participates in the national U.S. Outpatient Influenza-like Illness Surveillance Network (ILINet). Data from participating outpatient providers in North Dakota are pooled to create a state-wide estimate for the weekly percent of healthcare visits due to influenza-like illness (ILI). Patients presenting with a fever of 100°F or greater and a cough and/or sore throat are considered to have ILI. For more information on state and national ILINet data, see [FluView Interactive](#).

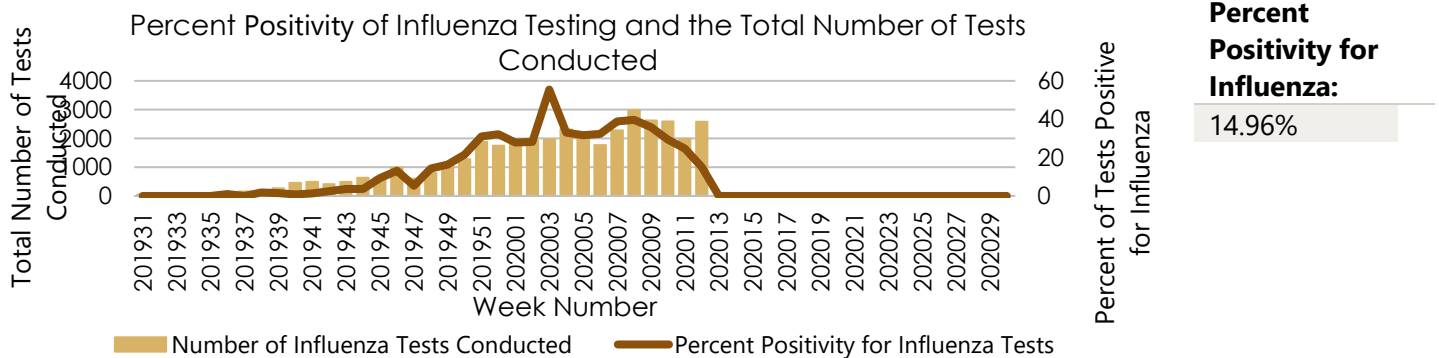
Percent of Outpatient Visits Due to Influenza-like Illness by Week, Current and Previous Season

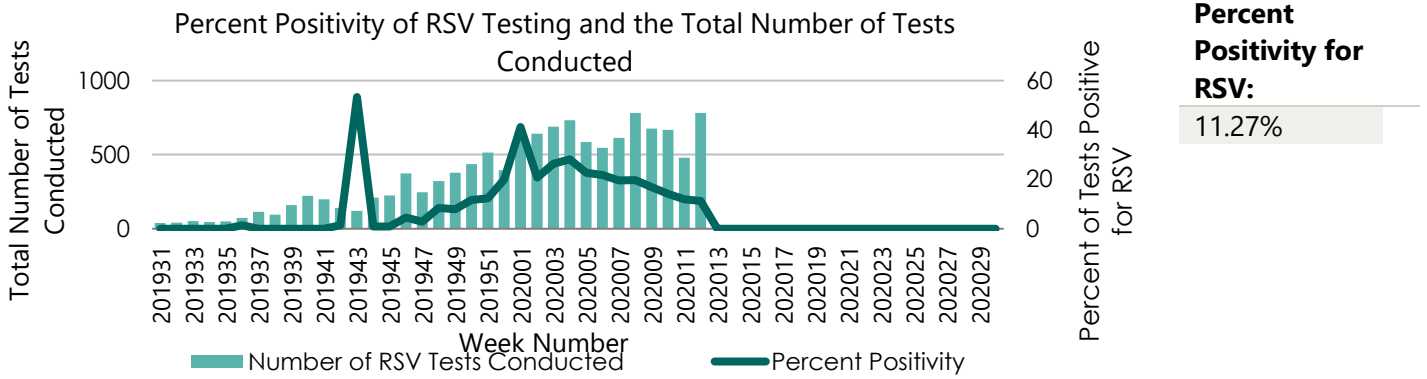


Week Number	Percent ILI	# ILI 0-4 age group	# ILI 5-24 age group	# ILI 25-49 age group	# ILI 50-64 age group	# ILI 65+ age group	Total # visits
202009	5.70%	43	75	56	27	18	3840
202010	5.01%	29	64	59	21	17	3743
202011	6.08%	45	64	59	13	15	3337
202012	7.83%	40	61	99	20	15	3002

# Sentinel Laboratory Data

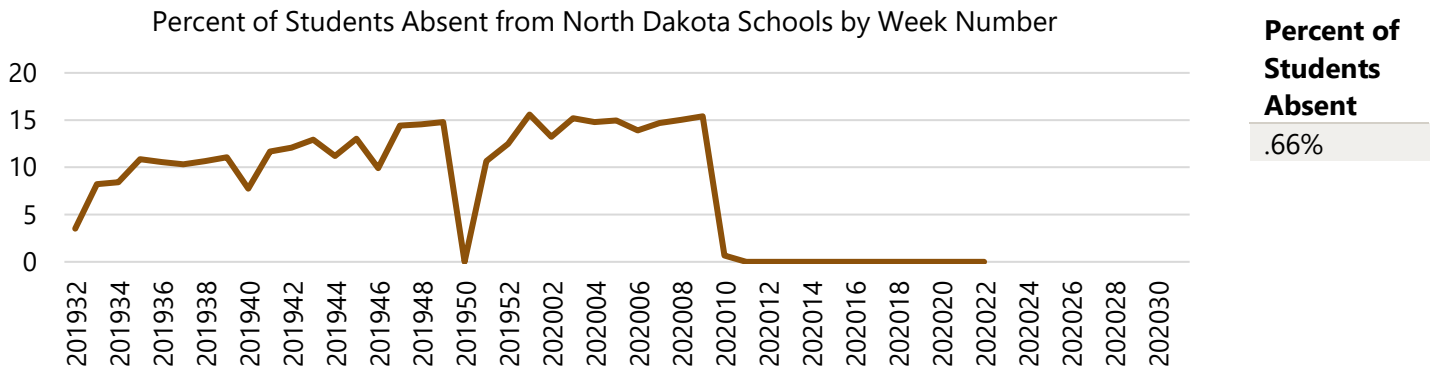
The NDDoH receives influenza and RSV testing data from participating sentinel laboratories across the state. The total number of positive tests and the total number of tests conducted are reported and used to create a state-wide percent positivity statistic. For influenza, percent positivity of 10% or greater indicates "season level" influenza activity.



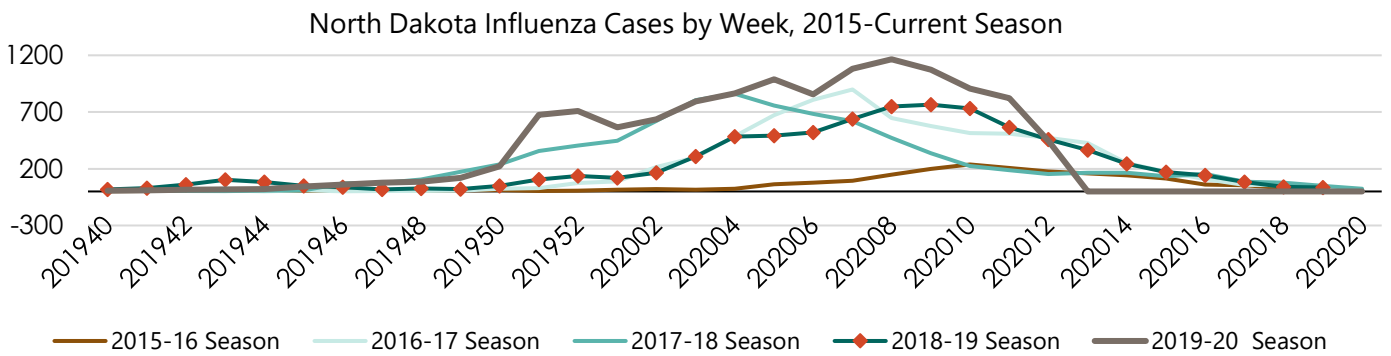


## School Absenteeism

During the influenza season, increases in school absenteeism data can be used as an early indicator for influenza circulation. The NDDoH received absenteeism data from a majority of schools in the state. Data here include absences for all reasons.



## Multi-season Comparison

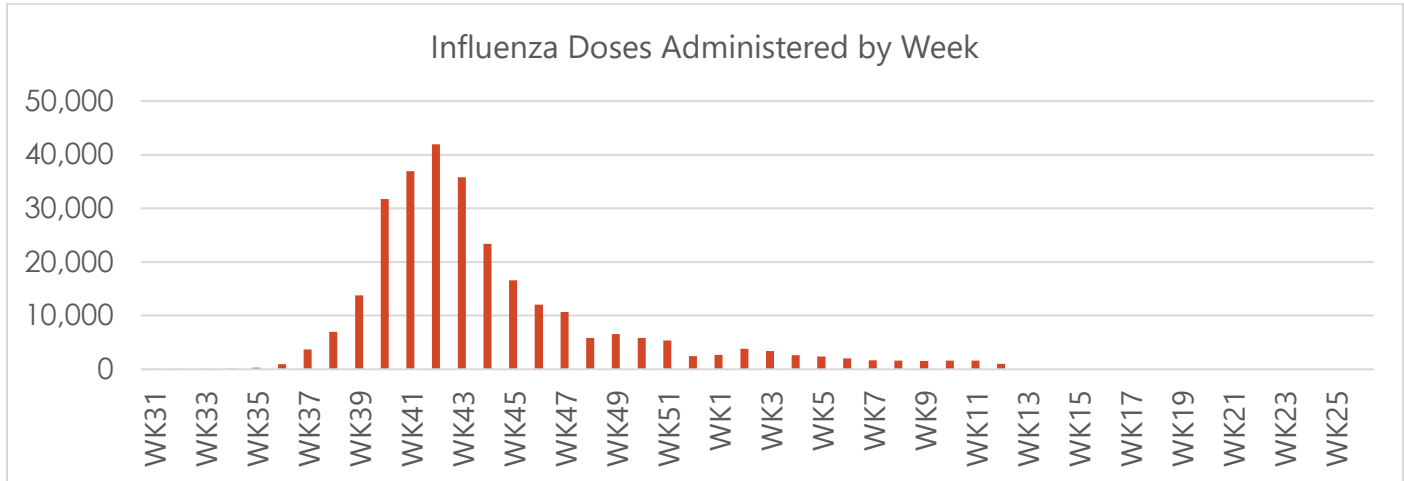


Season	Total Cases	Peak Week (week ending)	Predominant Strain
2015-16	1,942	3/12/2016	2009 A H1N1
2016-17	7,507	2/18/2017	A H3N2
2017-18	8,498	1/27/2018	A H3N3
2018-19	7,946	3/27/2019	2009 A H1N1
2019-20	12,285 (current)	2/22/2020	TBD

# 2019-20 Vaccination Stats

## Vaccine Doses Administered

The North Dakota Immunization Information System (NDIIS) provides information on vaccines given in North Dakota. Vaccines given to children are required to be entered into the NDIIS, while vaccines given to adults are often entered into the NDIIS but are not required to be entered. Many providers in North Dakota have established an electronic connection with the NDIIS, allowing all vaccinations for that provider to be sent to the NDIIS automatically. A total of **287,038** doses of 2019-20 influenza vaccine have been entered into the NDIIS so far this season.



## Vaccination Rates by Age

NDIIS data can also be used to estimate the percent of North Dakotans in each age group that have received an influenza vaccination so far this season. This week, the age group with the highest rates is **65 years and older** with **56.2%**, and the age group with the lowest vaccination rate is **19-49 year-olds**, with **22.2%**.

