



## 2005-2006 Influenza Season Summary

Total number of reported influenza cases: 2,109

Total number of reported cases by type of influenza:

- Influenza H1N1: 0
- Influenza H3N2: 32
- Influenza unspecified type A: 816
- Influenza B: 1,126
- Influenza unknown type: 135

Age range of reported influenza cases: 8 days – 99 years

Median age of reported influenza cases: 14 years

Number of reported influenza cases by age group:

- <10 years: 768 (<1 = 53, 1-5 = 292, 6-10 = 423)
- 11-19 years: 661
- 20-24 years: 134
- 25-34 years: 120
- 35-44 years: 107
- 45-54 years: 90
- 55-64 years: 57
- 65+ years: 172

Gender breakdown of reported influenza cases:

- Male: 49%
- Female: 51%

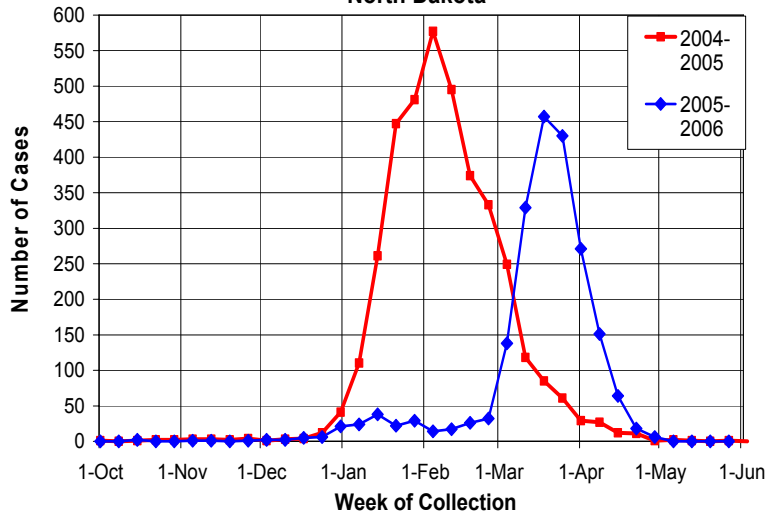
County	Flu count
Adams	17
Barnes	11
Benson	2
Billings	1
Bottineau	3
Bowman	37
Burke	0
Burleigh	381
Cass	225
Cavalier	9
Dickey	68
Divide	0
Dunn	11
Eddy	0
Emmons	15
Foster	1
Golden Valley	19
Grand Forks	207

County	Flu count
Grant	9
Griggs	0
Hettinger	4
Kidder	22
La Moure	12
Logan	3
McIntosh	1
McHenry	1
McKenzie	32
McLean	17
Mercer	96
Morton	197
Mountrail	8
Nelson	0
Oliver	3
Pembina	88
Pierce	0
Ramsey	2

County	Flu count
Ransom	4
Renville	1
Richland	5
Rolette	22
Sargent	32
Sheridan	1
Sioux	19
Slope	0
Stark	217
Steele	4
Stutsman	122
Towner	0
Traill	51
Walsh	48
Ward	20
Wells	8
Williams	53

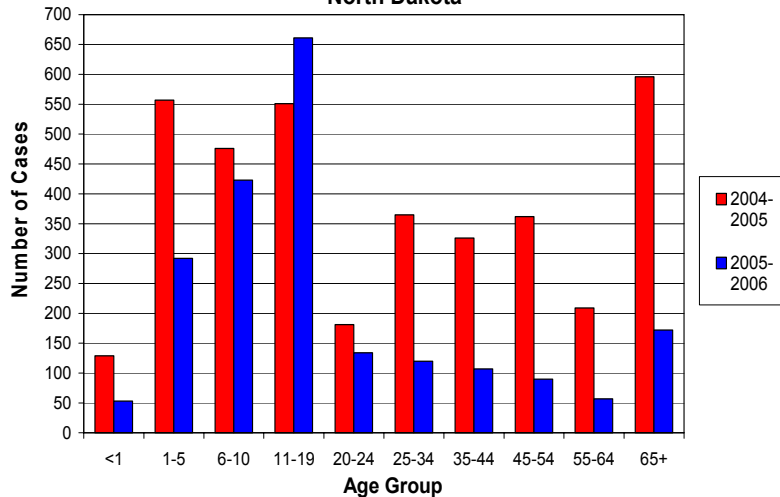
## 2005-2006 Season Influenza Activity Summary

**Number of Reported Influenza Cases\***  
2004-2005 and 2005-2006 Influenza Seasons  
North Dakota



During the 2005-2006 influenza season, 2,109 influenza cases were identified by viral culture, DFA, IFA or other rapid test methods. Reported influenza cases by type are as follows: H1N1 (0), H3N2 (32), Unspecified type A (816), type B (1,126) and unknown type (135). The 2005-2006 influenza season peaked during the week ending March 18, 2006.

**Number of Reported Influenza Cases by Age Group\***  
2004-2005 and 2005-2006 Influenza Seasons  
North Dakota



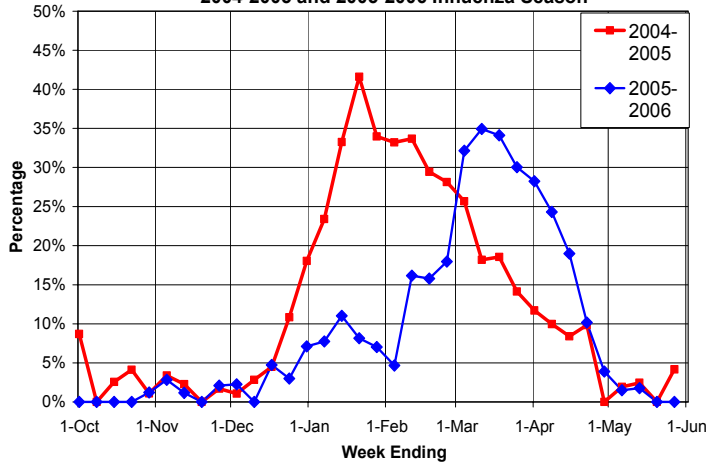
\*Positive culture, DFA, IFA or other rapid tests.

During the 2005-2006 influenza season, the largest number of positive cases was reported in the 11-19 year age group (661). Around 36 percent (768) of the positive cases were in children aged 10 and under. Those age 11-19 years made up 31 percent (661) of the positive cases.



## 2005-2006 Season Influenza Activity Summary

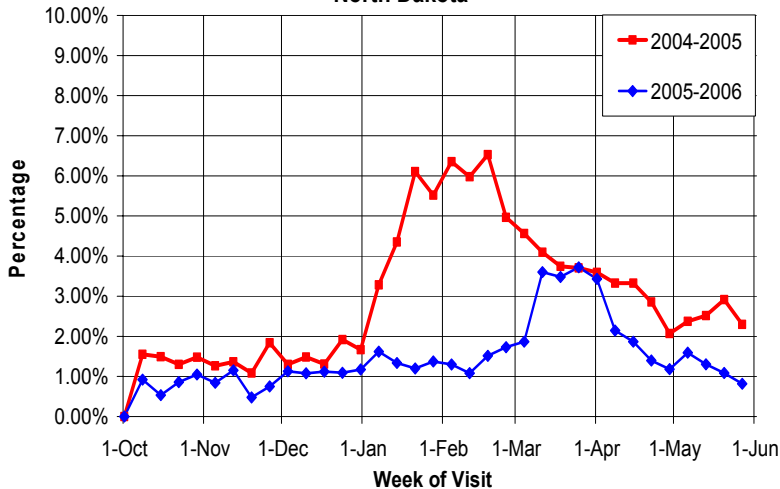
**Results of Laboratory Influenza Testing\*  
Selected North Dakota Laboratories  
2004-2005 and 2005-2006 Influenza Season**



\*Positive culture, DFA, IFA or other rapid tests compared to total number of influenza specimens tested. The data received are aggregate numbers and may include out of state residents.

Nine selected sentinel laboratories throughout the state submit influenza testing data to the NDDoH. The locations of the laboratories are as follows: Fargo, Grand Forks, Jamestown, Minot, Bismarck, Williston and Dickinson. Positive laboratory tests reported from these nine laboratories peaked the week ending March 11, 2006.

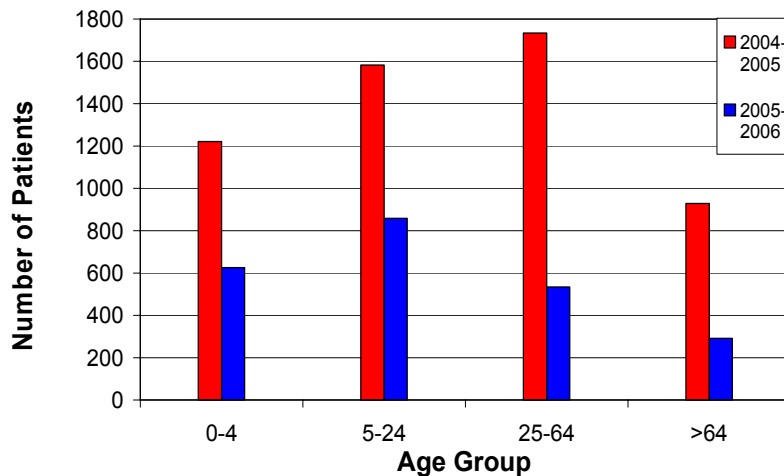
**Influenza Sentinel Physician Surveillance Program  
Percent of Visits Due to Influenza-like Illnesses\*  
2004-2005 and 2005-2006 Influenza Seasons  
North Dakota**



Twenty-one private healthcare providers, clinics or ERs located throughout the state submit influenza-like illness (ILI) data to the NDDoH as part of the sentinel provider program. The locations of the sites are as follows: Fargo, Grand Forks, Belcourt, Harvey, Devils Lake, Valley City, Minot, Bismarck, Watford City, Dickinson and McVile. The number of reported cases of ILI peaked the week ending March 25, 2006.

## 2005-2006 Season Influenza Activity Summary

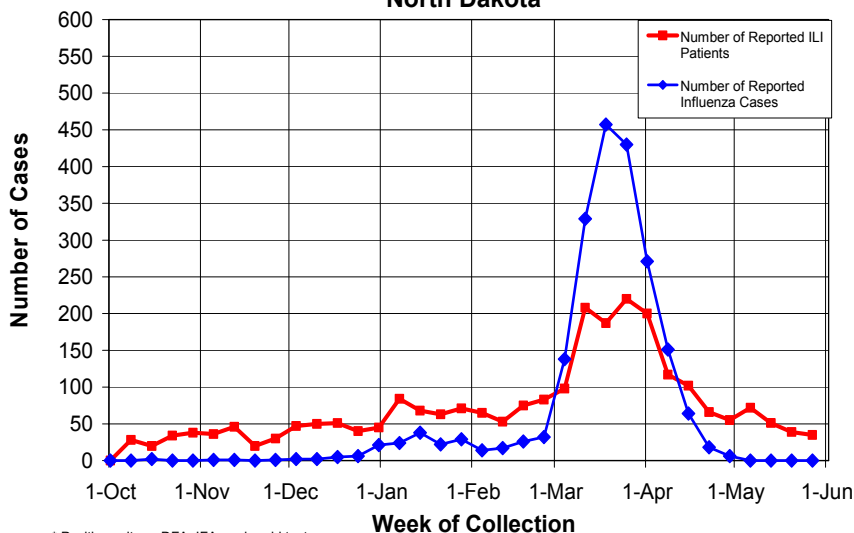
**Influenza Sentinel Physician Surveillance Program  
Number of Patients with Influenza-like Illnesses\* by Age Group  
2004-2005 and 2005-2006 Influenza Seasons  
North Dakota**



\*Influenza-like Illness is defined as fever of  $\geq 100^{\circ}$  F with cough and/or sore throat

Data provided by the twenty-one sentinel providers indicated that most of the patients seen in their clinic with influenza-like illness were between the ages of 5 and 24 years old. This is consistent with the age data received on the reported positive cases.

**Reported Influenza Cases\* vs. Reported ILI Cases\*\*  
2005-2006 Influenza Season  
North Dakota**



\* Positive culture, DFA, IFA, and rapid tests.

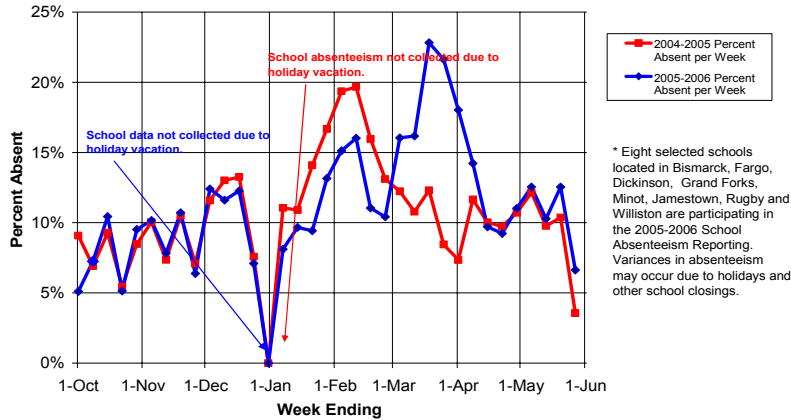
\*\* Influenza Sentinel Provider Surveillance Program: Influenza-like Illness defined as fever  $>100$  and cough and/or sore throat.

The number of laboratory reported cases of influenza peaked at approximately the same time as the number of reported cases of ILI peaked.



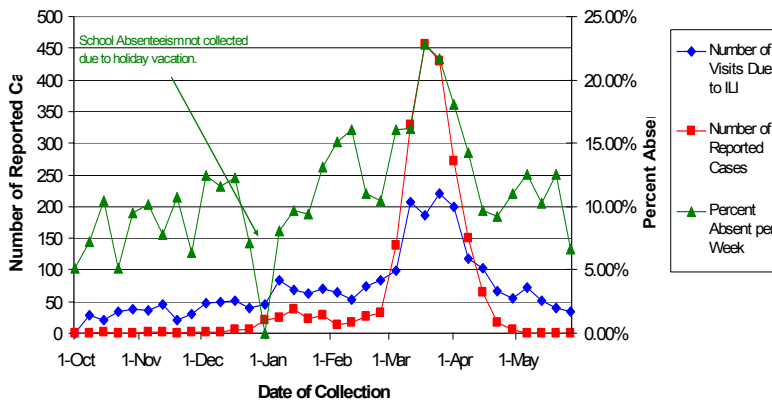
## 2005-2006 Season Influenza Activity Summary

**School Absenteeism Surveillance Program\***  
**Percent of Students Absent Due to Illness**  
**North Dakota 2004-2005 and 2005-2006 School Year**



Eight selected schools located in Fargo, Grand Forks, Rugby, Jamestown, Minot, Bismarck, Dickinson and Williston participated in the 2005-2006 School Absenteeism Surveillance Program. School absenteeism due to illness peaked the week ending March 18, 2006.

**2005-2006 Influenza Surveillance Program**  
**Number of Reported Influenza\* and ILI\*\* Cases vs. Percent of Students Absent Due to Illness\*\*\***  
**North Dakota**



School absenteeism and sentinel provider ILI illness reports peaked approximately the same time as the number of reported influenza cases.

School absenteeism was not collected for the week ending January 1, 2006 due to holiday closings.

\*Positive culture, DFA, IFA or other rapid tests.

\*\*Influenza-like illness (ILI) defined as fever over 100 and cough and/or sore throat.

\*\*\*Eight selected schools located in Bismarck, Fargo, Dickinson, Devils Lake, Grand Forks, Minot, Jamestown and Williston are participating in the 2004-2005 School Absenteeism Reporting.