

# 2007-2008 Influenza Season Summary



Total number of reported influenza cases: **3,817**

Total number of reported cases by type of influenza:

- Influenza H1N1: **14**
- Influenza H3N2: **3**
- Influenza unspecified type A: **2,483**
- Influenza B: **1,227**
- Influenza type unspecified: **90**

Age range of reported influenza cases: **0.01 years – 101.39 years**

Median age of reported influenza cases: **25 years**

Number of reported influenza cases by age group:

- ≤10 years: **1089** (<1 = 92, 1-5 = 538, 6-10 = 459)
- 11-19 years: **531**
- 20-24 years: **284**
- 25-34 years: **550**
- 35-44 years: **388**
- 45-54 years: **426**
- 55-64 years: **258**
- 65+ years: **291**

Gender breakdown of reported influenza cases:

- Male: **48%** (1840)
- Female: **52%** (1977)

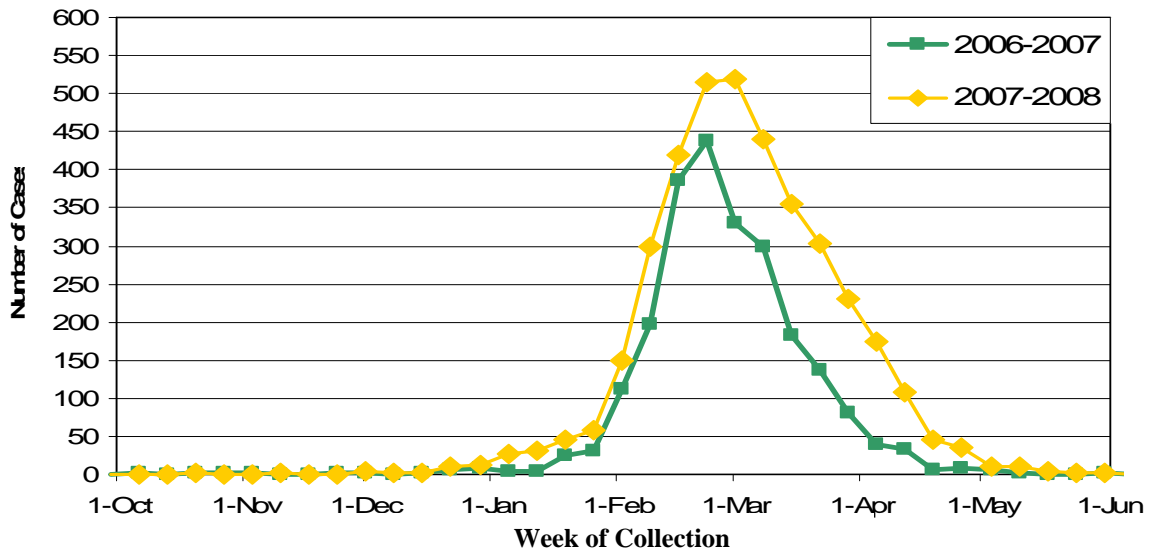
County	Flu count
Adams	9
Barnes	55
Benson	22
Billings	0
Bottineau	4
Bowman	24
Burke	4
Burleigh	653
Cass	750
Cavalier	68
Dickey	74
Divide	4
Dunn	9
Eddy	7
Emmons	22
Foster	6
Golden Valley	2
Grand Forks	212

County	Flu count
Grant	13
Griggs	11
Hettinger	5
Kidder	12
La Moure	31
Logan	16
McIntosh	14
McHenry	14
McKenzie	60
McLean	99
Mercer	149
Morton	229
Mountrail	26
Nelson	11
Oliver	15
Pembina	93
Pierce	3
Ramsey	17

County	Flu count
Ransom	44
Renville	3
Richland	84
Rolette	13
Sargent	50
Sheridan	5
Sioux	30
Slope	2
Stark	167
Steele	16
Stutsman	201
Towner	8
Trail	107
Walsh	52
Ward	178
Wells	22
Williams	92

# Influenza Cases 2006-2007 vs. 2007-2008 Seasons

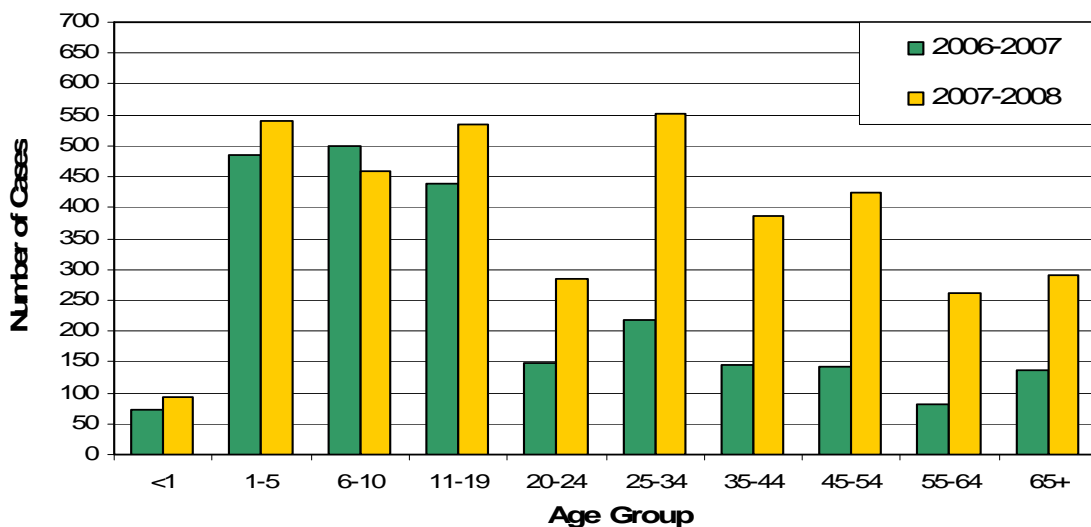
**Number of Reported Influenza Cases\***  
**2006-2007 and 2007-2008 Influenza Seasons, North Dakota**



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

During the 2007-2008 influenza season, 3,817 influenza cases were identified by viral culture, DFA, IFA or other rapid test methods. Reported influenza cases by type are as follows: H1N1 (14), H3N2 (3), unspecified type A (2,483), type B (1,227) and unknown type (90). The 2007-2008 influenza season peaked the week ending March 1, 2008.

**Number of Reported Influenza Cases\* by Age Group**  
**2006-2007 and 2007-2008 Influenza Seasons, North Dakota**

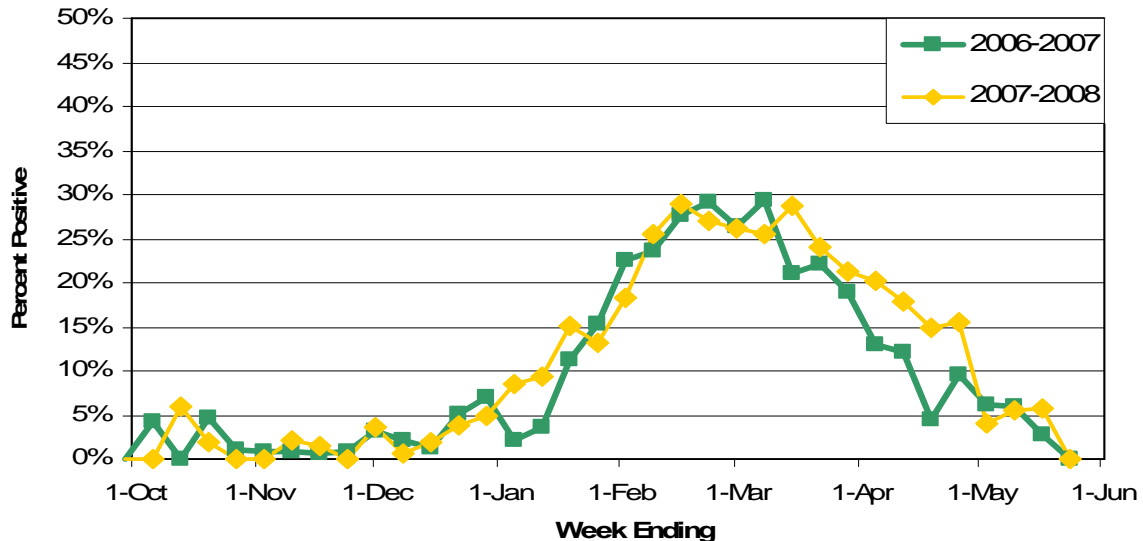


\*Positive culture, DFA, IFA or other rapid tests

During the 2007-2008 influenza season, the largest number of positive cases was reported in the 25-34 year age group (550). Around 29 percent (1,089) of the positive cases were in children aged 10 and under. Those ages 25-34 years made up 14 percent (550) of the positive cases.

# Laboratory Influenza and RSV Testing

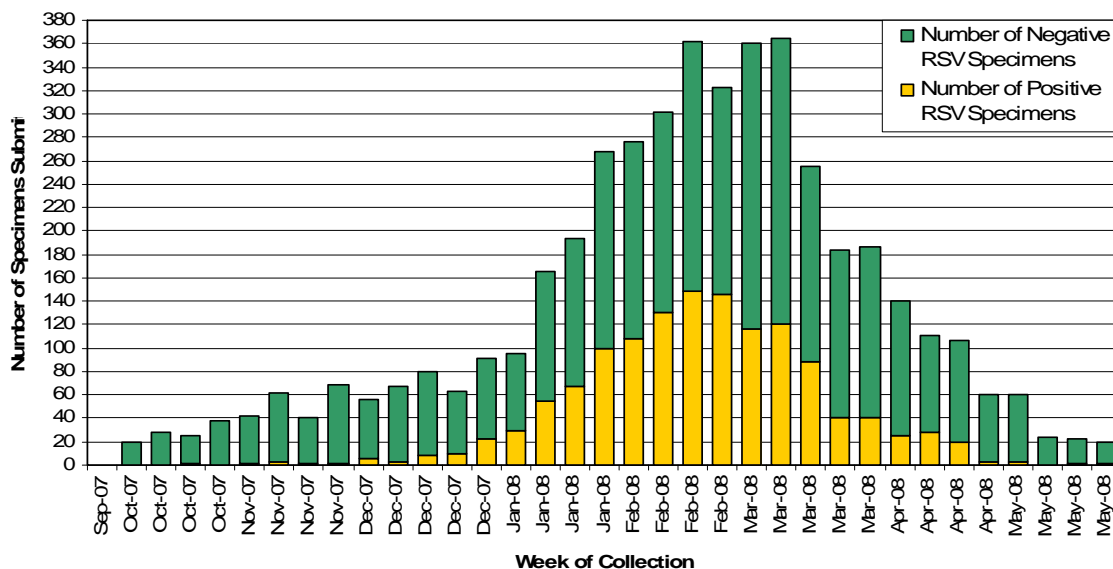
## Results of Laboratory Influenza Testing\* 2006-2007 and 2007-2008 Influenza Seasons, North Dakota



\*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.

Twenty-nine selected sentinel laboratories throughout the state submit influenza testing data to the NDDoH. Positive laboratory tests reported from these twenty-nine laboratories peaked (530 tests) the week ending March 1, 2008. The percent positive was at the highest the week ending February 16, 2008 (28.98%).

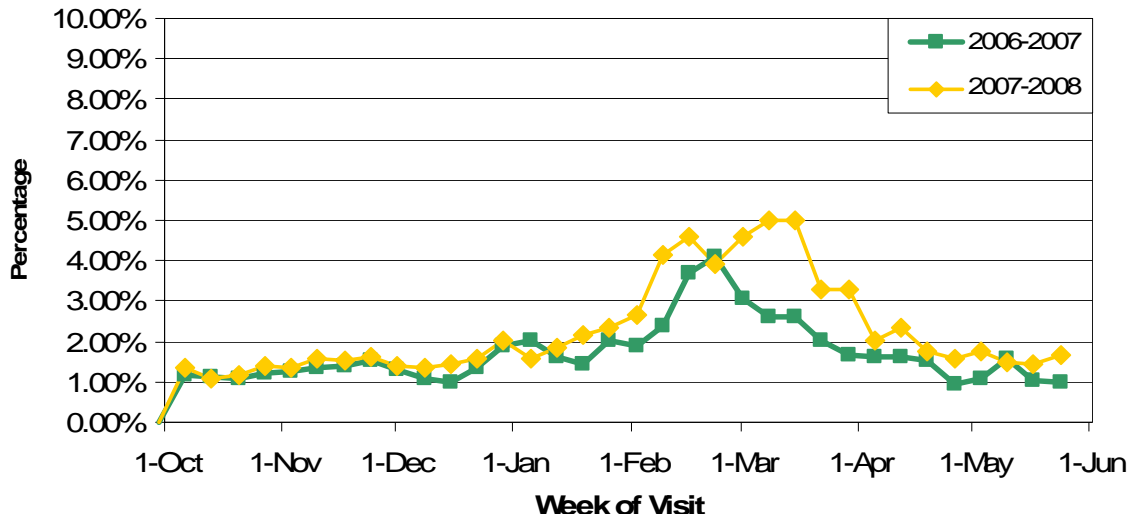
## Results of Laboratory RSV Testing 2007-2008 Influenza Season, North Dakota



Eighteen selected sentinel laboratories throughout the state submit respiratory syncytial virus (RSV) testing data to the NDDoH. Positive laboratory tests peaked the week ending February 16, 2008 with 148 positive tests. The percent positive was at the highest the week ending February 23, 2008 (45.34%).

# Influenza Sentinel Provider Program

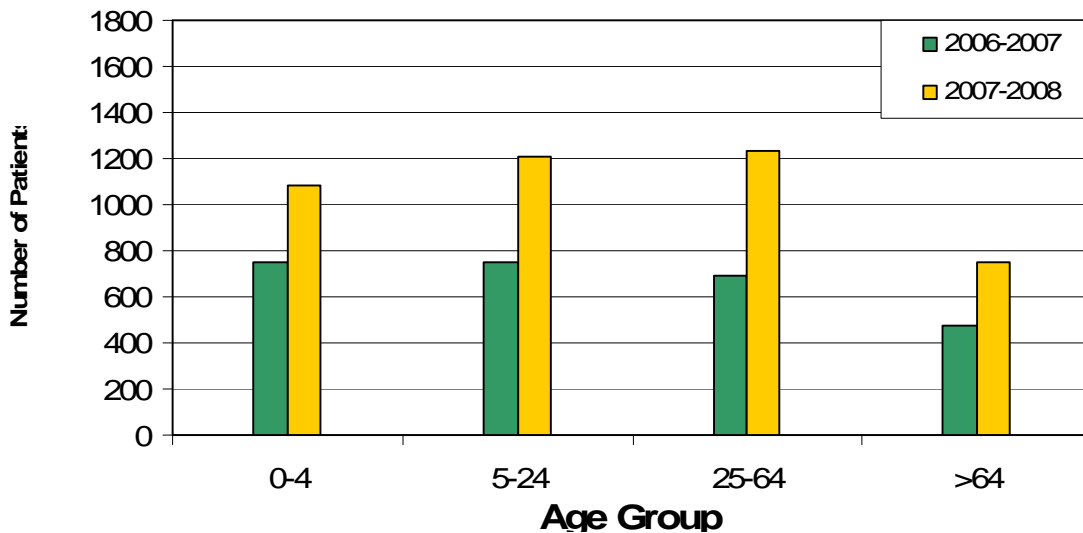
**Influenza Sentinel Provider Surveillance Program  
Percent of Visits Due to Influenza-like Illnesses\*  
2006-2007 and 2007-2008 Influenza Seasons, North Dakota**



\*Influenza-like Illness is defined as fever of > 100 °F with cough and/or sore throat

Twenty 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 number of reported cases of ILI peaked (302) the week ending March 15, 2008 as did the percentage of ILI patients.

**Influenza Sentinel Physician Surveillance Program  
Number of Patients with Influenza-like Illnesses\* by Age Group  
2006-2007 and 2007-2008 Influenza Seasons, North Dakota**

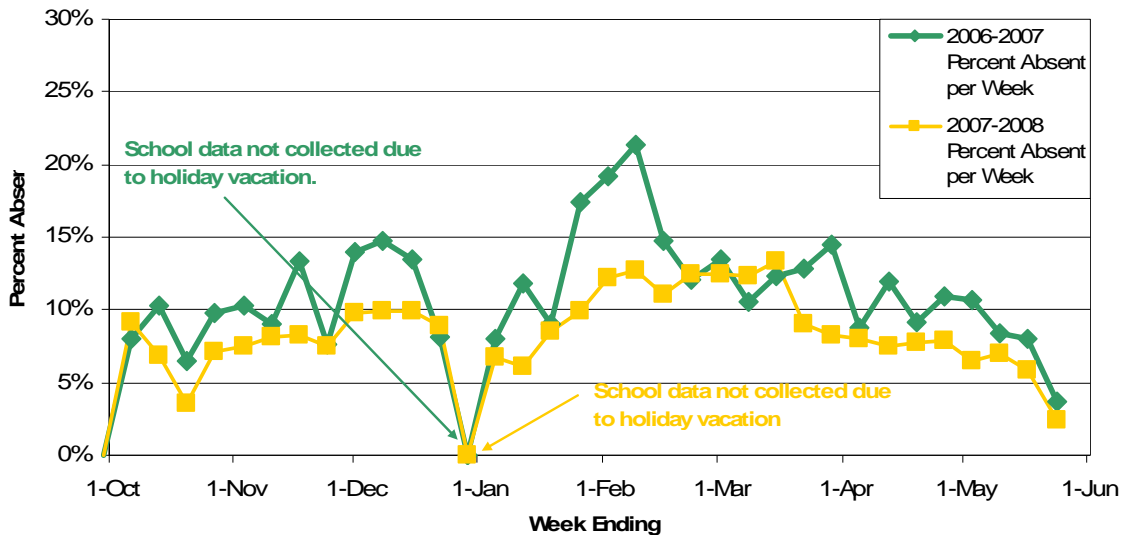


\*Influenza-like Illness is defined as fever of > 100 °F with cough and/or sore throat

Data provided by the twenty sentinel providers indicated that most of the patients seen in their clinic with influenza-like illness range from very young to 64 years of age. This is consistent with the age data received on the reported positive cases with no clear dominant age group.

# School Absenteeism Surveillance

**School Absenteeism Surveillance Program\*  
Percent of Students Absent Due to Illness  
2006-2007 and 2007-2008 School Year, North Dakota**

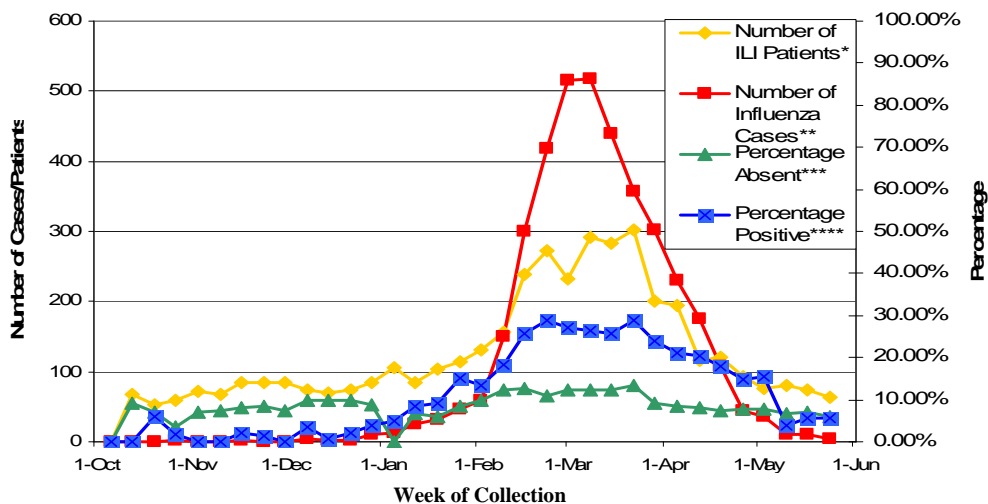


\* Selected schools are participating in the 2007-2008 School Absenteeism Reporting. Variances in absenteeism may occur due to holidays and other school closings.

Thirteen selected schools participated in the 2007-2008 School Absenteeism Surveillance Program. School absenteeism due to illness peaked the week ending March 15, 2008.

# Combined Chart Influenza Surveillance

**Reported Influenza Cases vs. Reported ILI Cases vs. School Absenteeism vs. Laboratory Testing  
2007-2008 Influenza Season, North Dakota**



\*Influenza-like Illness is defined as fever of > 100 °F with cough and/or sore throat  
 \*\*Positive culture, DFA, IFA or other rapid tests  
 \*\*\*School reports of the number of students absent due to illness  
 \*\*\*\*Laboratory percent positive influenza tests