

2006-2007 Influenza Season Summary



Total number of reported influenza cases: **2,369**

Total number of reported cases by type of influenza:

- Influenza H1N1: **16**
- Influenza H3N2: **10**
- Influenza unspecified type A: **2185**
- Influenza B: **36**
- Influenza type unspecified: **120**

Age range of reported influenza cases: **16 days – 99 years**

Median age of reported influenza cases: **13 years**

Number of reported influenza cases by age group:

- <10 years: **1057** (<1 = 71, 1-5 = 486, 6-10 = 500)
- 11-19 years: **440**
- 20-24 years: **149**
- 25-34 years: **217**
- 35-44 years: **145**
- 45-54 years: **141**
- 55-64 years: **81**
- 65+ years: **137**

Gender breakdown of reported influenza cases:

- Male: **50%** (1182)
- Female: **50%** (1187)

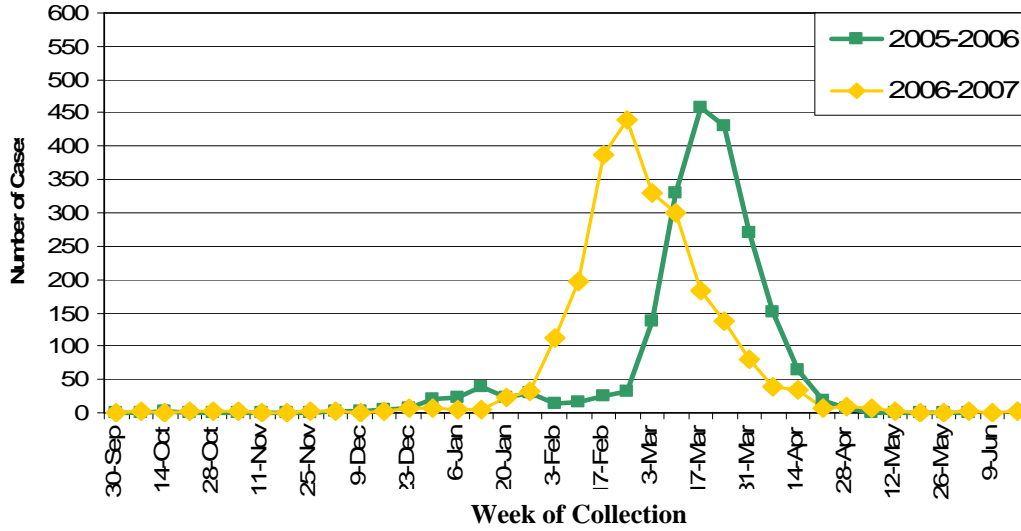
| County | Flu count |
|---------------|-----------|
| Adams | 2 |
| Barnes | 10 |
| Benson | 16 |
| Billings | 0 |
| Bottineau | 8 |
| Bowman | 3 |
| Burke | 0 |
| Burleigh | 466 |
| Cass | 351 |
| Cavalier | 5 |
| Dickey | 63 |
| Divide | 1 |
| Dunn | 9 |
| Eddy | 0 |
| Emmons | 20 |
| Foster | 4 |
| Golden Valley | 4 |
| Grand Forks | 155 |

| County | Flu count |
|-----------|-----------|
| Grant | 23 |
| Griggs | 6 |
| Hettinger | 2 |
| Kidder | 10 |
| La Moure | 14 |
| Logan | 11 |
| McIntosh | 6 |
| McHenry | 3 |
| McKenzie | 3 |
| McLean | 64 |
| Mercer | 76 |
| Morton | 206 |
| Mountrail | 20 |
| Nelson | 6 |
| Oliver | 6 |
| Pembina | 36 |
| Pierce | 1 |
| Ramsey | 31 |

| County | Flu count |
|----------|-----------|
| Ransom | 19 |
| Renville | 2 |
| Richland | 35 |
| Rolette | 12 |
| Sargent | 10 |
| Sheridan | 2 |
| Sioux | 25 |
| Slope | 1 |
| Stark | 167 |
| Steele | 3 |
| Stutsman | 164 |
| Towner | 1 |
| Traill | 48 |
| Walsh | 19 |
| Ward | 138 |
| Wells | 25 |
| Williams | 53 |

Influenza Cases 2005-2006 vs. 2006-2007 Seasons

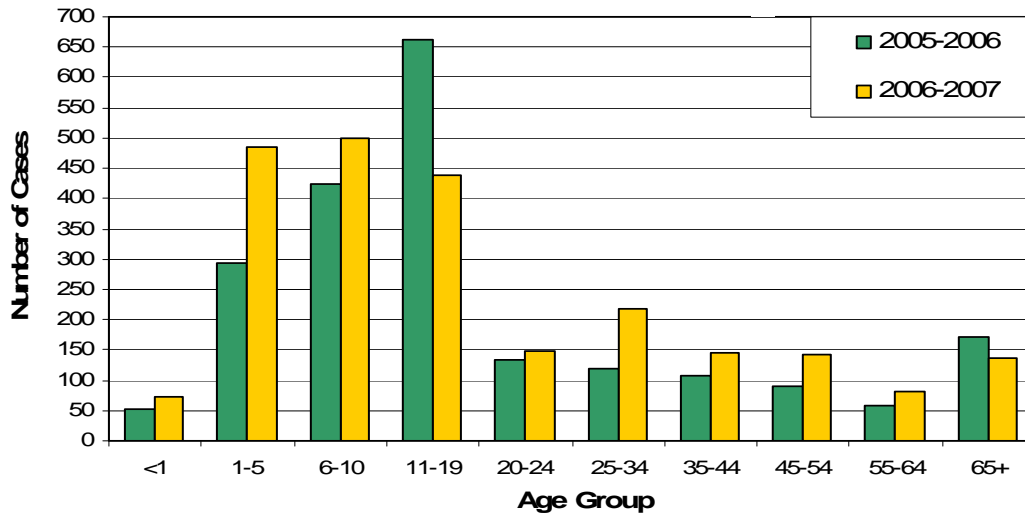
**Number of Reported Influenza Cases*
2005-2006 and 2006-2007 Influenza Seasons, North Dakota**



*Positive culture, DFA, IFA or other rapid tests

During the 2006-2007 influenza season, 2,369 influenza cases were identified by viral culture, DFA, IFA or other rapid test methods. Reported influenza cases by type are as follows: H1N1 (16), H3N2 (10), unspecified type A (2,185), type B (36) and unknown type (120). The 2006-2007 influenza season peaked the week ending February 24, 2007.

**Number of Reported Influenza Cases* by Age Group
2005-2006 and 2006-2007 Influenza Seasons, North Dakota**

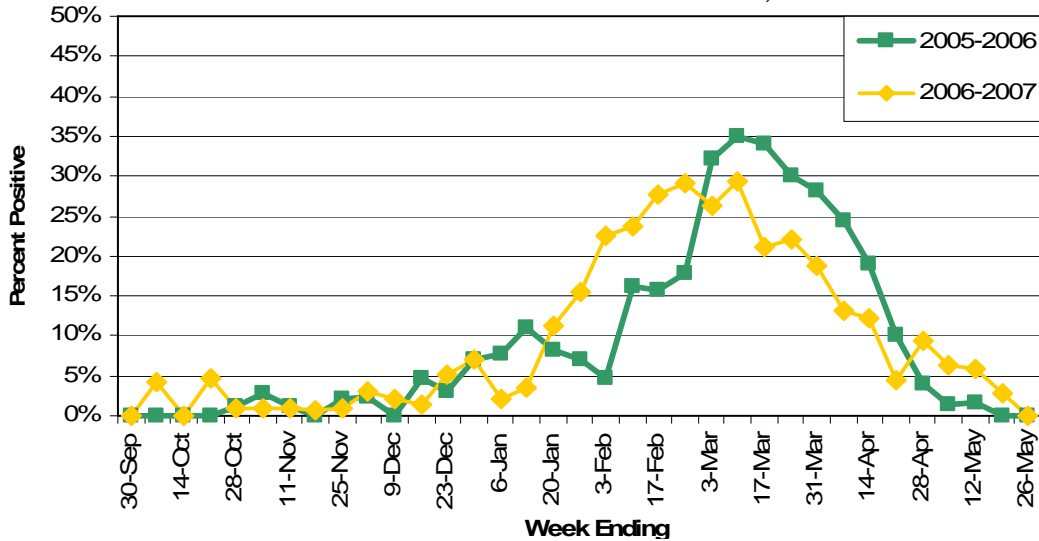


*Positive culture, DFA, IFA or other rapid tests

During the 2006-2007 influenza season, the largest number of positive cases was reported in the 6 to 10 year age group (500). Around 45 percent (1,057) of the positive cases were in children aged 10 and under. Those age 6-10 years made up 21 percent (500) of the positive cases.

Laboratory Influenza and RSV Testing

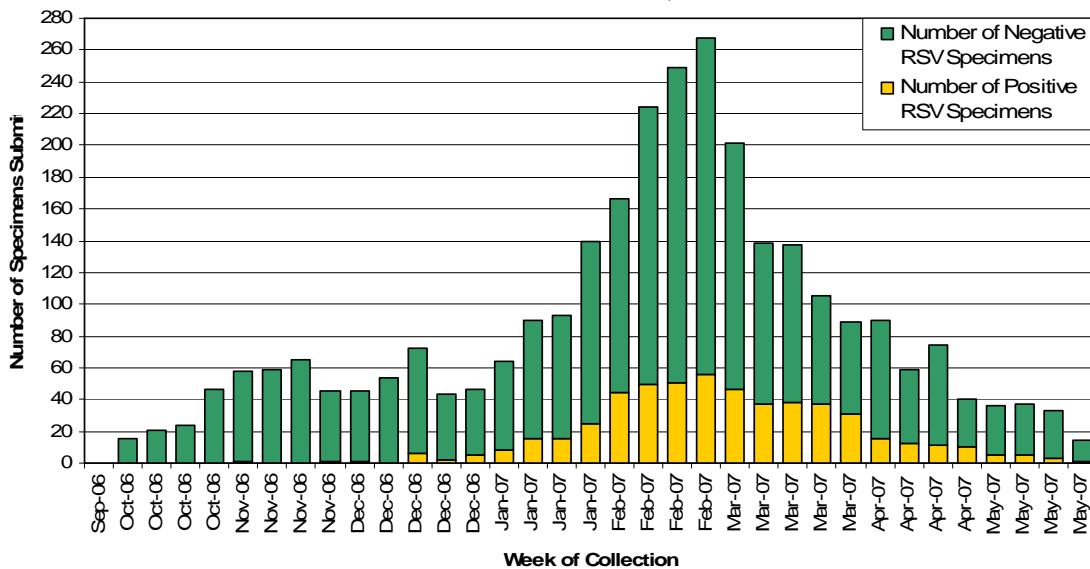
Results of Laboratory Influenza Testing*
2005-2006 and 2006-2007 Influenza Seasons, North Dakota



*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.

Thirty selected sentinel laboratories throughout the state submit influenza testing data to the NDDoH. Positive laboratory tests reported from these thirty laboratories peaked (519 tests) the week ending February 24, 2007. The percent positive was at the highest the week ending March 10, 2007.

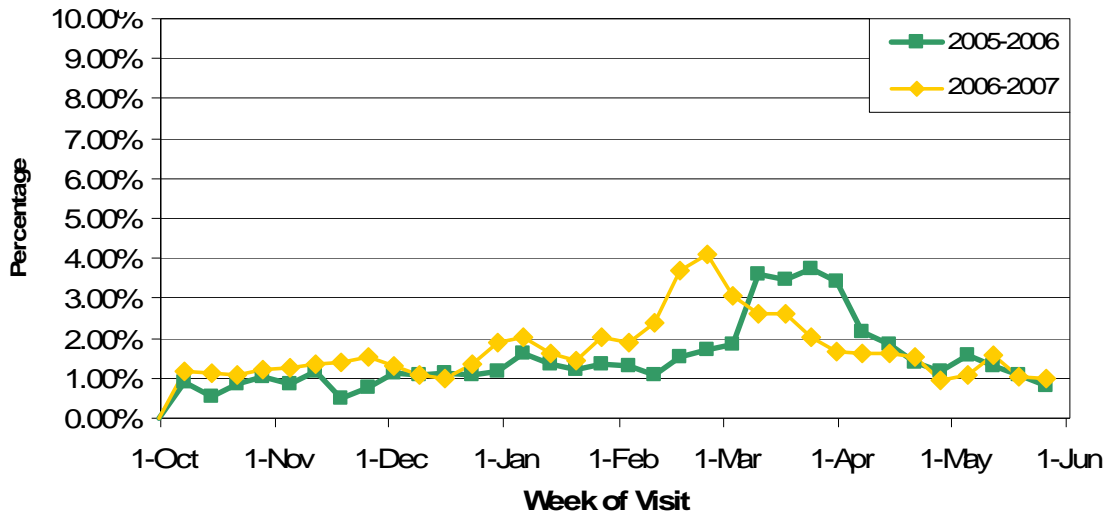
Results of Laboratory RSV Testing
2006-2007 Influenza Season, North Dakota



Fifteen selected sentinel laboratories throughout the state submit respiratory syncytial virus (RSV) testing data to the NDDoH. Positive laboratory tests peaked the week ending February 24, 2007 with 56 positive tests. The percent positive was at the highest the week ending March 24, 2007.

Influenza Sentinel Provider Program

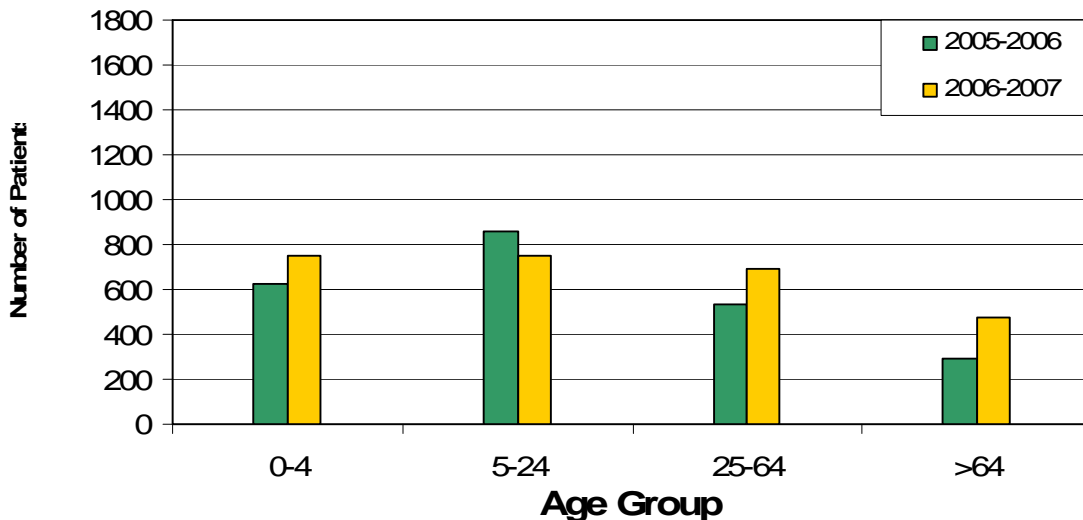
**Influenza Sentinel Provider Surveillance Program
Percent of Visits Due to Influenza-like Illnesses*
2005-2006 and 2006-2007 Influenza Seasons, North Dakota**



*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 (246) the week ending February 24, 2007 as did the percentage of ILI patients.

**Influenza Sentinel Physician Surveillance Program
Number of Patients with Influenza-like Illnesses* by Age Group
2005-2006 and 2006-2007 Influenza Seasons, North Dakota**

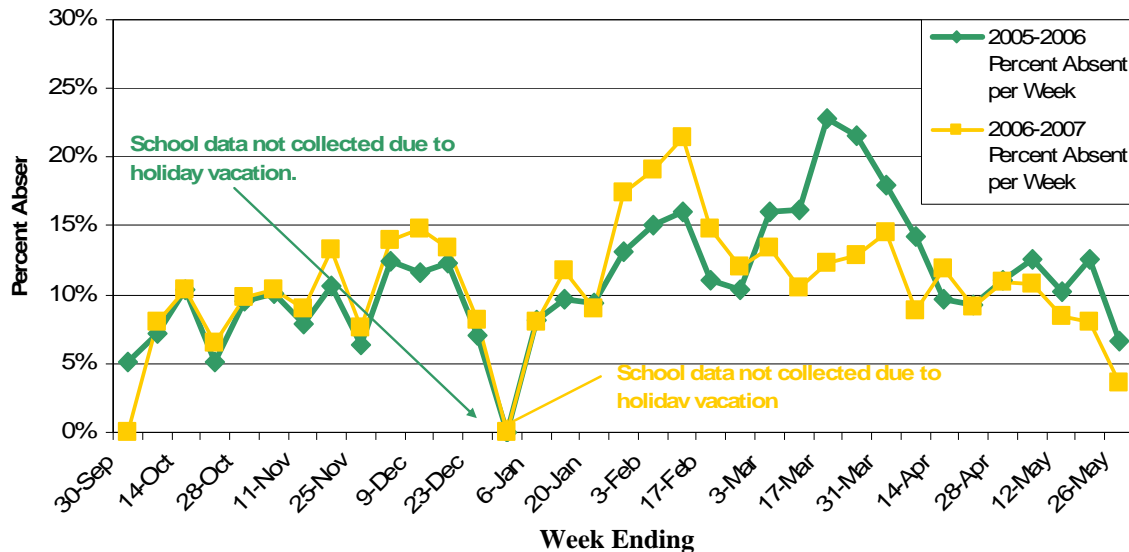


*Influenza-like Illness is defined as fever of > 100 °F with cough and/or sore throat

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

School Absenteeism Surveillance

School Absenteeism Surveillance Program*
Percent of Students Absent Due to Illness
2005-2006 and 2006-2007 School Year, North Dakota

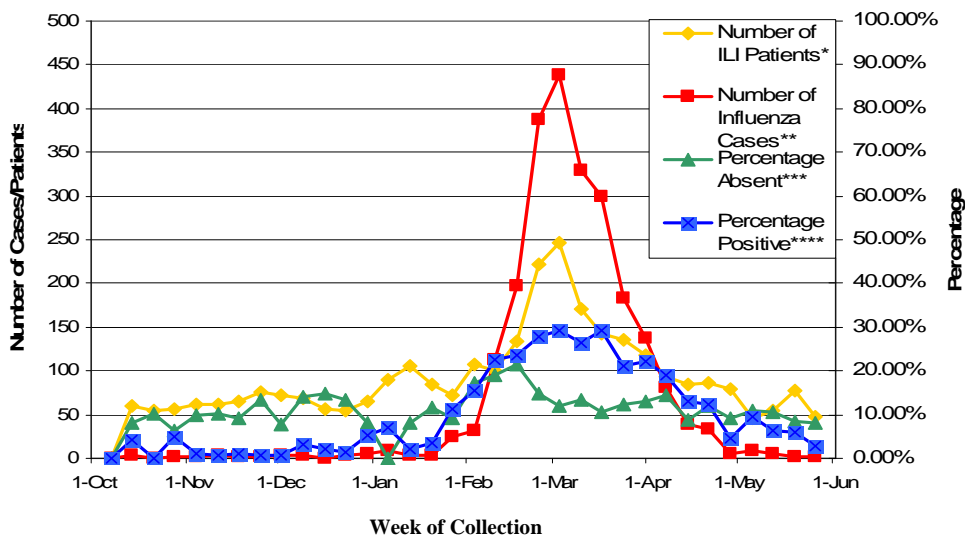


* Twelve selected schools are participating in the 2006-2007 School Absenteeism Reporting. Variances in absenteeism may occur due to holidays and other school closings.

Twelve selected schools participated in the 2006-2007 School Absenteeism Surveillance Program. School absenteeism due to illness peaked the week ending February 10, 2007.

Combined Chart Influenza Surveillance

Reported Influenza Cases vs. Reported ILI Cases vs. School Absenteeism vs. Laboratory Testing
2006-2007 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
 ***Twelve schools report the number of students absent due to illness
 ****Laboratory percent positive influenza tests