

2010-11 Influenza Season Summary



NORTH DAKOTA
DEPARTMENT of HEALTH

Total Number of Reported Influenza Cases: 2,089

Cases by Influenza Subtype

2009 H1N1	Seasonal H1N1	Seasonal H3N2	Influenza A	Influenza B	Influenza Unspecified
118	0	90	1,335	542	4

Cases by Age

Age Range of Reported Influenza Cases: 1 Day–103 Years

Median Age of Reported Influenza Cases: 16.8 Years

Cases by Age Group

<1	1-5	6-10	11-19	20-24	25-34	35-44	45-54	55-64	65+
88	405	330	317	181	267	131	132	90	148

Cases by Gender

Male	Female
1030 (49%)	1059 (51%)

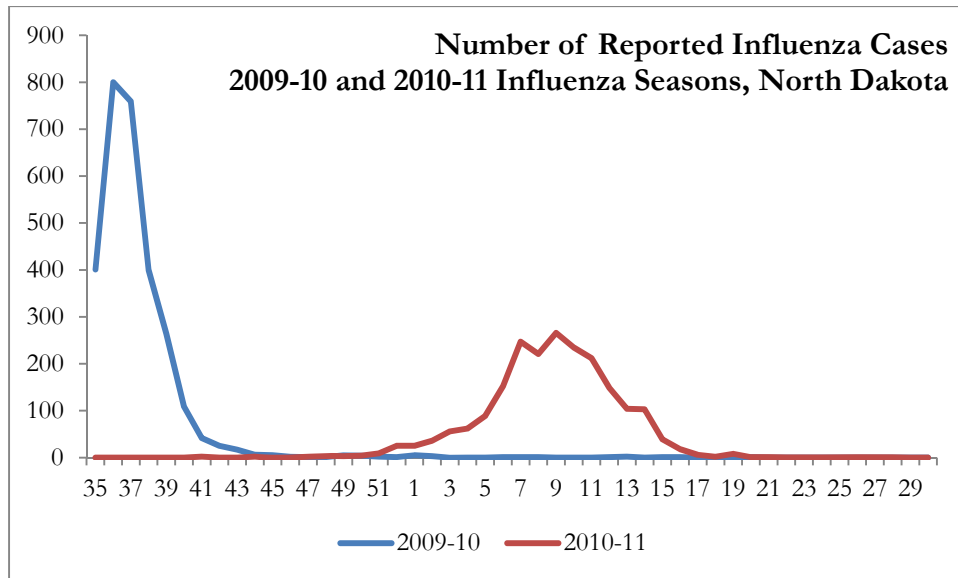
Cases by County

Adams	15
Barnes	18
Benson	10
Billings	2
Bottineau	3
Bowman	14
Burke	4
Burleigh	438
Cass	404
Cavalier	4
Dickey	19
Divide	12
Dunn	6
Eddy	2
Emmons	15
Foster	5
Golden Valley	5

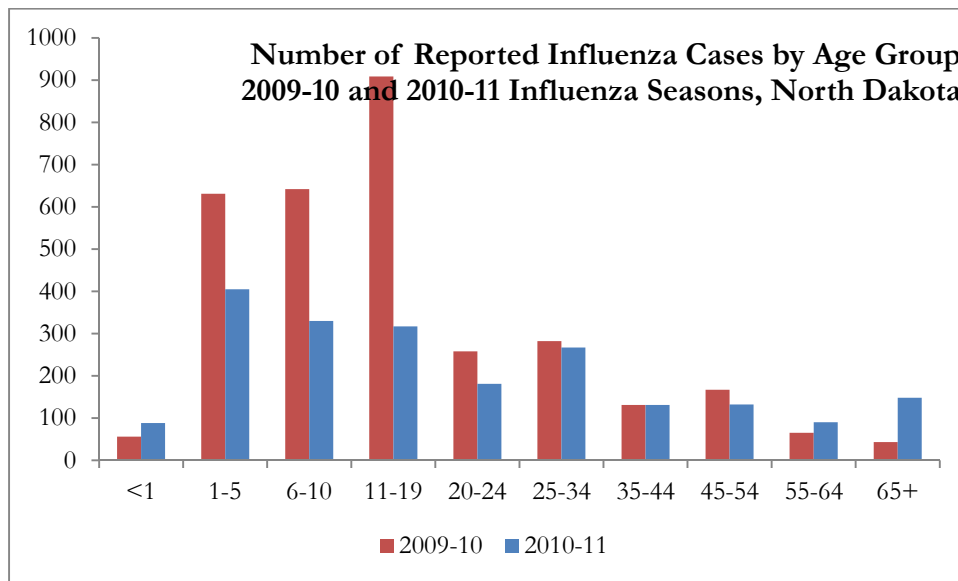
Grand Forks	63
Grant	7
Griggs	1
Hettinger	21
Kidder	8
Lamoure	14
Logan	18
McIntosh	5
McHenry	4
McKenzie	8
McLean	44
Mercer	25
Morton	139
Mountrail	21
Nelson	3
Oliver	8
Pembina	26
Pierce	5

Ramsey	3
Ransom	23
Renville	2
Richland	39
Rolette	8
Sargent	7
Sheridan	0
Sioux	21
Slope	0
Stark	183
Steele	8
Stutsman	33
Towner	2
Traill	66
Walsh	32
Ward	125
Wells	6
Williams	134

2009-10 v. 2010-11 Seasonal Comparison

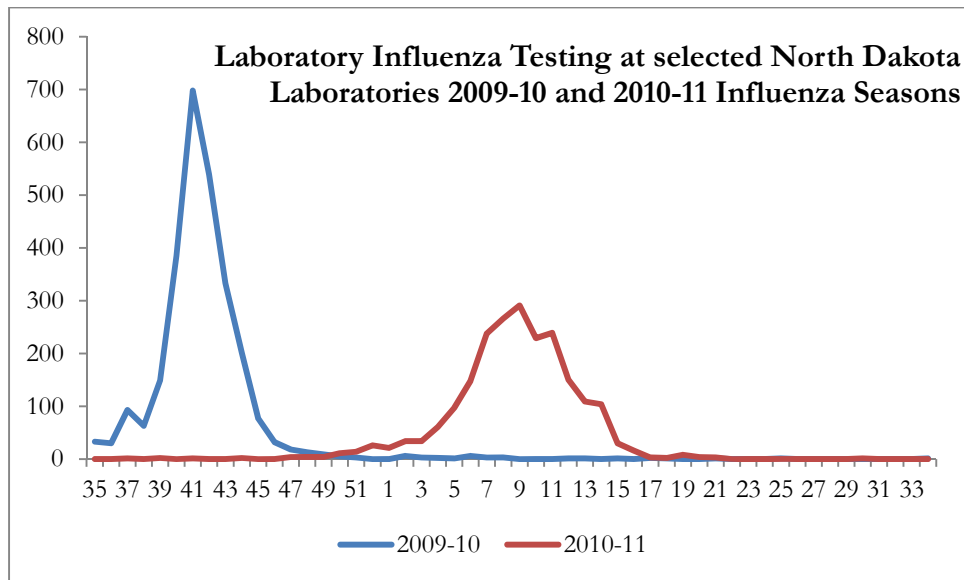


Notice the striking differences in the timing of the 2009-10 influenza season versus the 2010-11 season. The magnitude of the 2009-10 season may be due to an actual increase in the number of people ill with influenza, or it may be a factor of testing since the majority of cases occurred during the second wave the pandemic of 2009 H1N1. During the 2010-11 influenza season, 2,089 influenza cases were identified by viral culture, DFA, IFA, PCR or other rapid diagnostic methods. The peak where the largest number of cases was reported for was the week of February 27, 2011 with 266 cases.

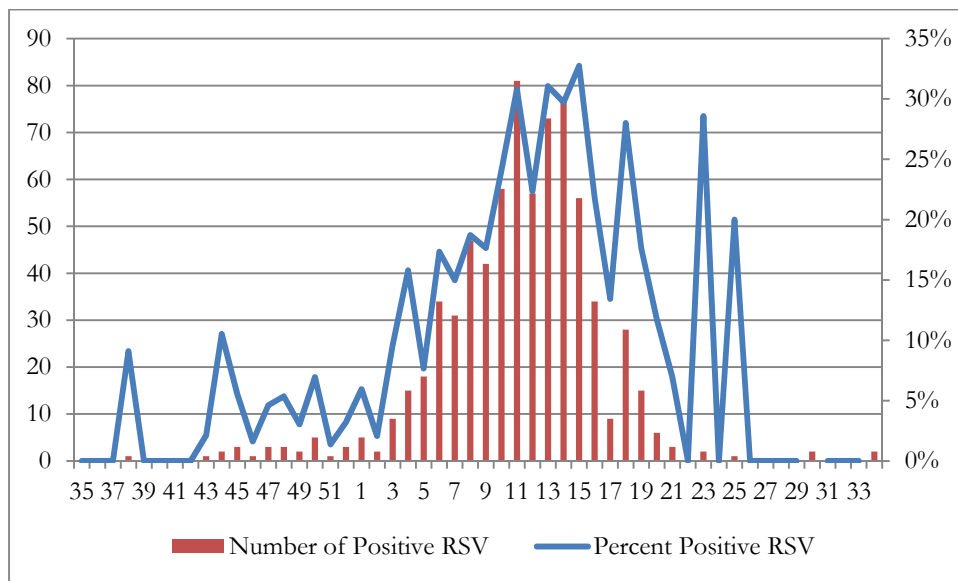


During the 2010-11 influenza season, the largest number of positive cases were reported in the 1-5 year age group (405). Around 37% (780) of the positive cases were in children aged 10 and under.

Laboratory Influenza & RSV Testing

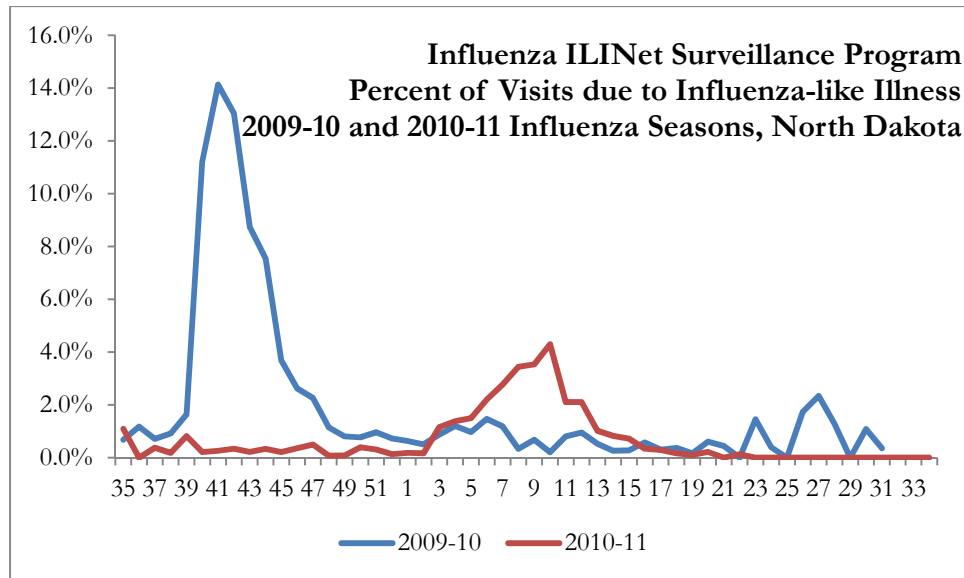


Twenty-six selected sentinel laboratories throughout the state submit influenza testing data to the NDDoH. Positive laboratory tests reported from these twenty-six laboratories peaked during the week of February 27, 2011 with 24% of all tests run testing positive.

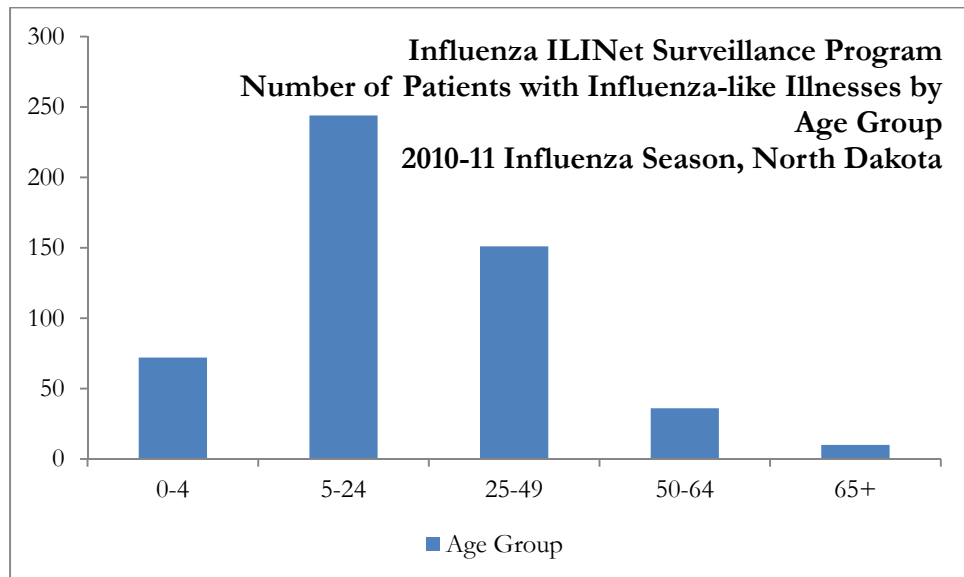


Twenty-one selected sentinel laboratories throughout the state submit RSV testing data to the NDDoH. Positive laboratory tests for RSV from these twenty-one laboratories peaked during the week of March 19, 2011 with 30% of all tests run testing positive.

Outpatient Influenza-like Illness Surveillance Network



Twenty-four private healthcare providers, clinics and Emergency Departments located throughout the state submit influenza-like illness (ILI) data to the NDDoH as part of the ILINet sentinel provider program. ILI is defined as having fever and (cough or sore throat). The number of reports of ILI peaked during the week of February 27, 2011 with 4.3% of visits due to ILI.



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