

2011-12 Influenza Season Summary



NORTH DAKOTA
DEPARTMENT of HEALTH

Total Number of Reported Influenza Cases: 1,487

Cases by Influenza Subtype

2009 H1N1	Seasonal H1N1	Seasonal H3N2	Influenza A	Influenza B	Influenza Unspecified
45	0	65	1,308	63	6

Cases by Age

Age Range of Reported Influenza Cases: 40 Days–103 Years

Median Age of Reported Influenza Cases: 24.3 Years

Cases by Age Group

<1	1-5	6-10	11-19	20-24	25-34	35-44	45-54	55-64	65+
38	264	191	185	78	179	134	128	93	197

Cases by Gender

Male	Female
738 (49.6%)	749 (50.4%)

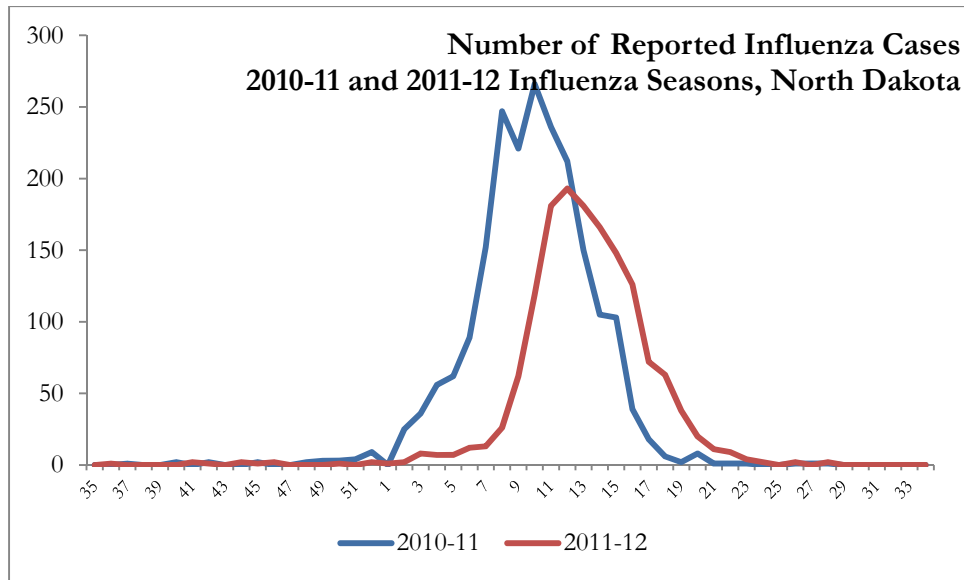
Cases by County

Adams	1
Barnes	21
Benson	1
Billings	1
Bottineau	4
Bowman	11
Burke	0
Burleigh	367
Cass	126
Cavalier	0
Dickey	49
Divide	4
Dunn	13
Eddy	1
Emmons	17
Foster	5
Golden Valley	0

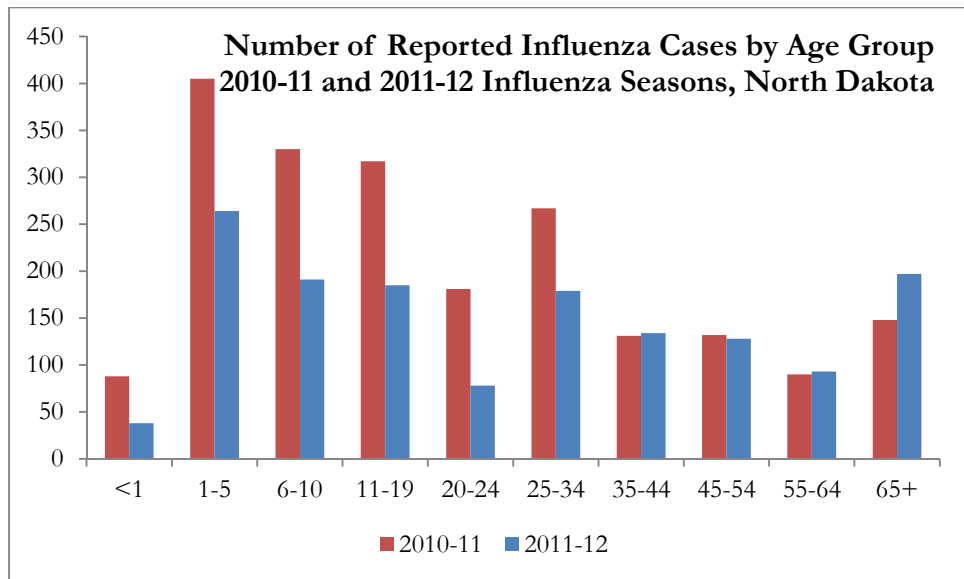
Grand Forks	91
Grant	2
Griggs	0
Hettinger	2
Kidder	12
Lamoure	2
Logan	19
McIntosh	13
McHenry	10
McKenzie	19
McLean	24
Mercer	70
Morton	95
Mountrail	40
Nelson	5
Oliver	2
Pembina	6
Pierce	2

Ramsey	3
Ransom	10
Renville	3
Richland	25
Rolette	36
Sargent	10
Sheridan	5
Sioux	15
Slope	1
Stark	65
Steele	0
Stutsman	60
Towner	0
Traill	2
Walsh	51
Ward	115
Wells	5
Williams	46

2009-10 v. 2010-11 Seasonal Comparison

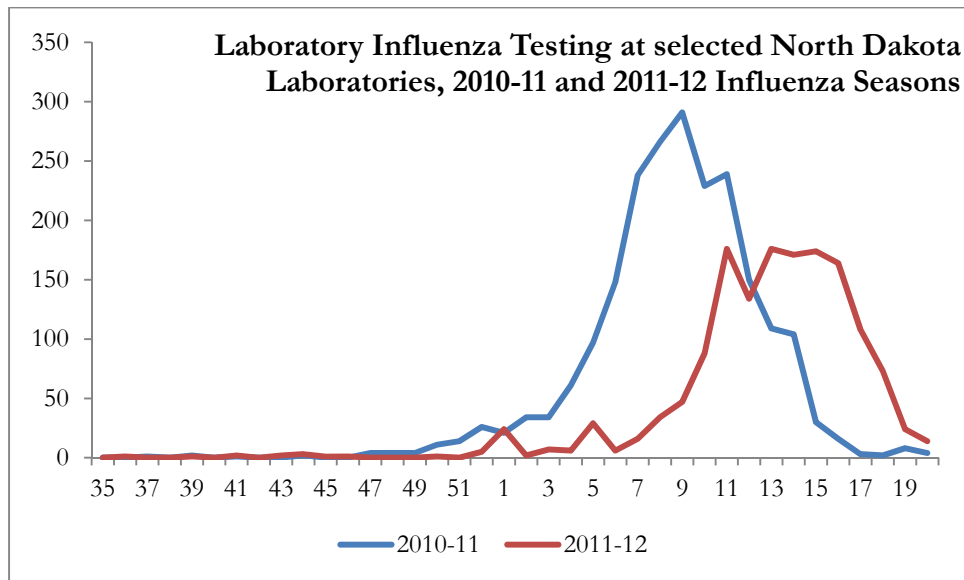


Notice the offset in the timing of the 2010-11 influenza season versus the 2011-12 season. The total number of cases reported was nearly 500 fewer cases, the majority of the difference can be attributed to the number of influenza B cases reported (542 in 2010-11 vs. 63 in 2011-12). During the 2010-11 influenza season, 1,487 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.

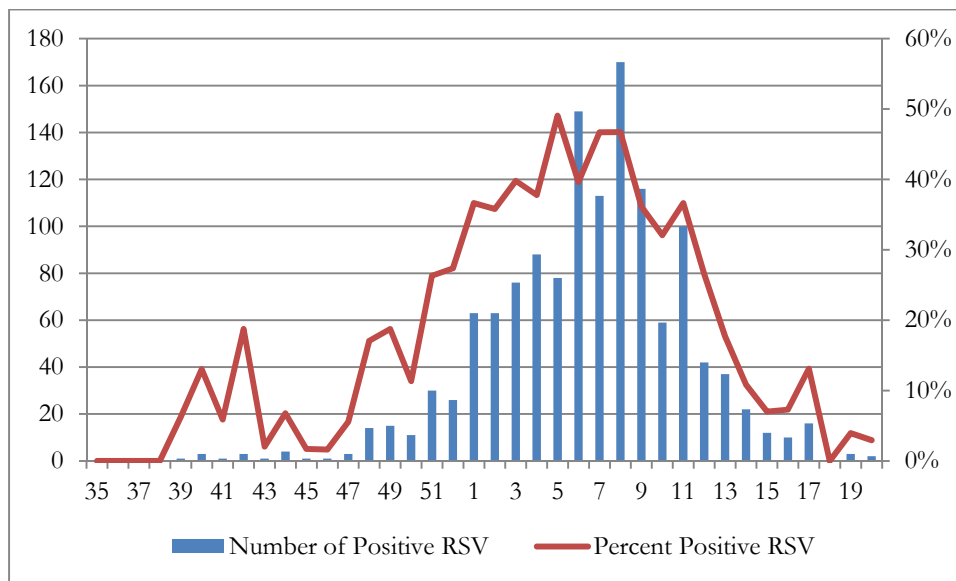


During the 2011-12 influenza season, the largest number of positive cases were reported in the 1-5 year age group (264). Around 31% (468) of the positive cases were in children aged 10 and under.

Laboratory Influenza & RSV Testing

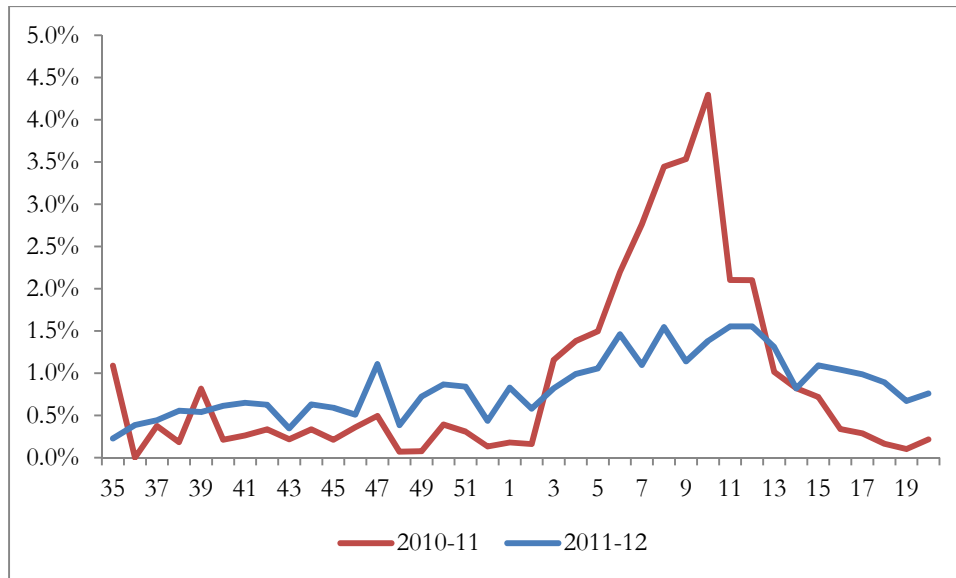


Twenty-six selected sentinel laboratories throughout the state submit influenza testing data to the NDDoH. Positive laboratory tests reported from these twenty-six laboratories peaked during the week of March 31, 2012 with 26% of all tests run testing positive.

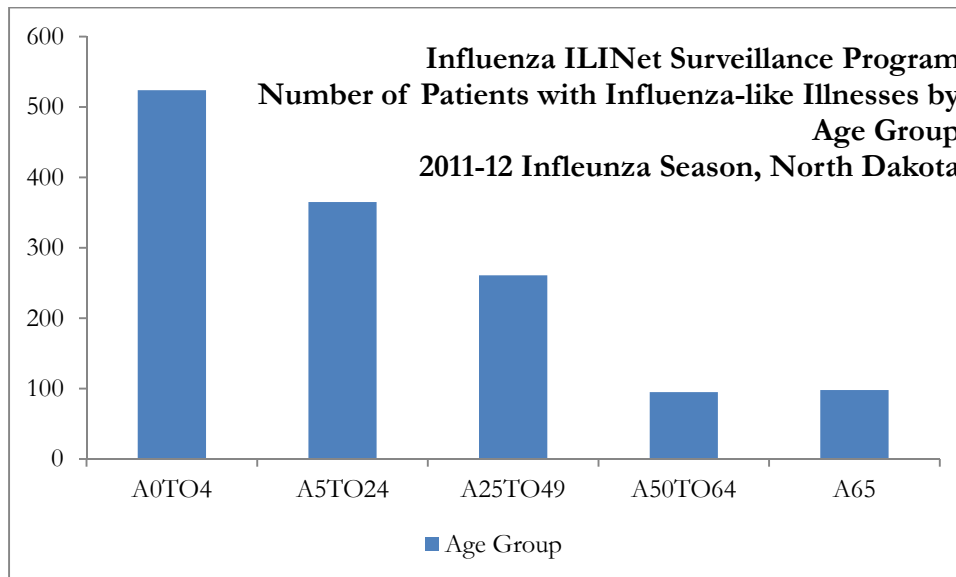


Twenty-one selected sentinel laboratories throughout the state submit RSV testing data to the NDDoH. Positive laboratory tests for RSV from these twenty-one laboratories peaked during the week of February 24, 2012 with 47% of all tests run testing positive.

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 March 24, 2012 with 1.5% 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 0-4 years old. This could be because North Dakota saw a majority of ILI cases testing positive for RSV instead of influenza this season.