

2012-13 Influenza Season Summary



NORTH DAKOTA
DEPARTMENT of HEALTH

Total Number of Reported Influenza Cases: 4,833

Cases by Influenza Subtype

2009 H1N1	Seasonal H1N1	Seasonal H3N2	Influenza A	Influenza B	Influenza Unspecified
18	0	204	3,025	1,584	2

Cases by Age

Age Range of Reported Influenza Cases: 2 weeks – 102 years

Median Age of Reported Influenza Cases: 18.6 years

Cases by Age Group

<1	1-5	6-10	11-19	20-24	25-34	35-44	45-54	55-64	65+
151	863	742	738	251	521	429	343	284	511

Cases by Gender

Male	Female
2,400 (49.7%)	2,433 (50.3%)

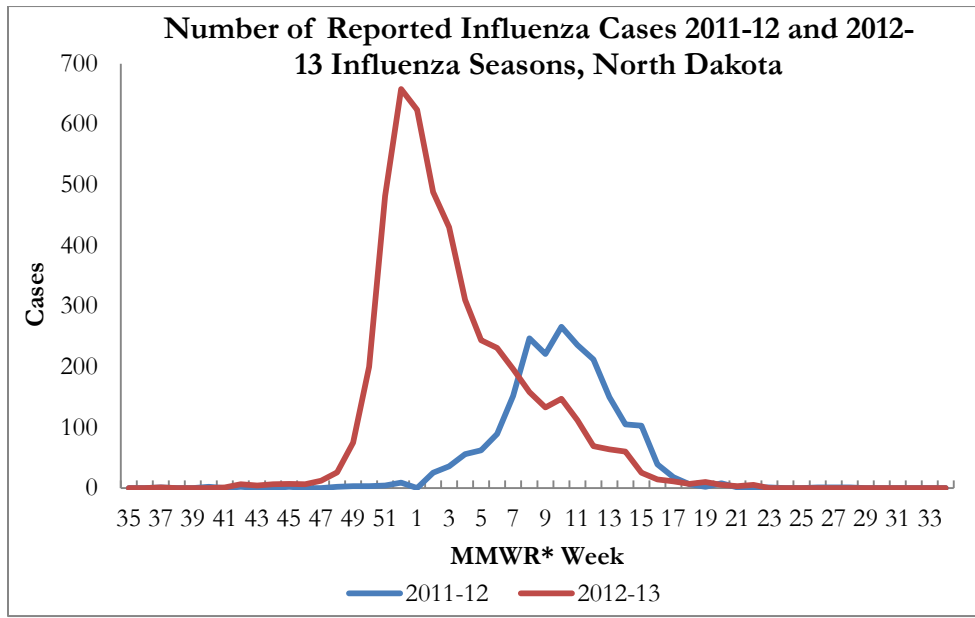
Cases by County

Adams	31
Barnes	35
Benson	10
Billings	3
Bottineau	22
Bowman	70
Burke	9
Burleigh	1,142
Cass	466
Cavalier	41
Dickey	24
Divide	32
Dunn	35
Eddy	7
Emmons	42
Foster	12
Golden Valley	19

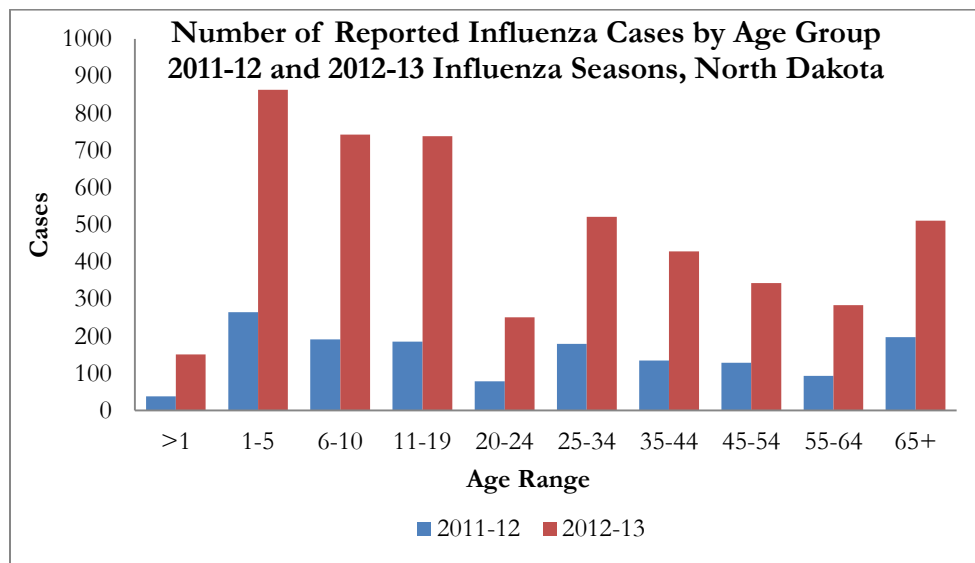
Grand Forks	250
Grant	30
Griggs	13
Hettinger	20
Kidder	29
Lamoure	22
Logan	51
McIntosh	55
McHenry	29
McKenzie	135
McLean	107
Mercer	175
Morton	380
Mountrail	51
Nelson	24
Oliver	11
Pembina	112
Pierce	16

Ramsey	26
Ransom	31
Renville	7
Richland	38
Rolette	23
Sargent	16
Sheridan	6
Sioux	27
Slope	1
Stark	371
Steele	3
Stutsman	165
Towner	8
Trail	5
Walsh	107
Ward	325
Wells	16
Williams	148

2011-12 v. 2012-13 Seasonal Comparison



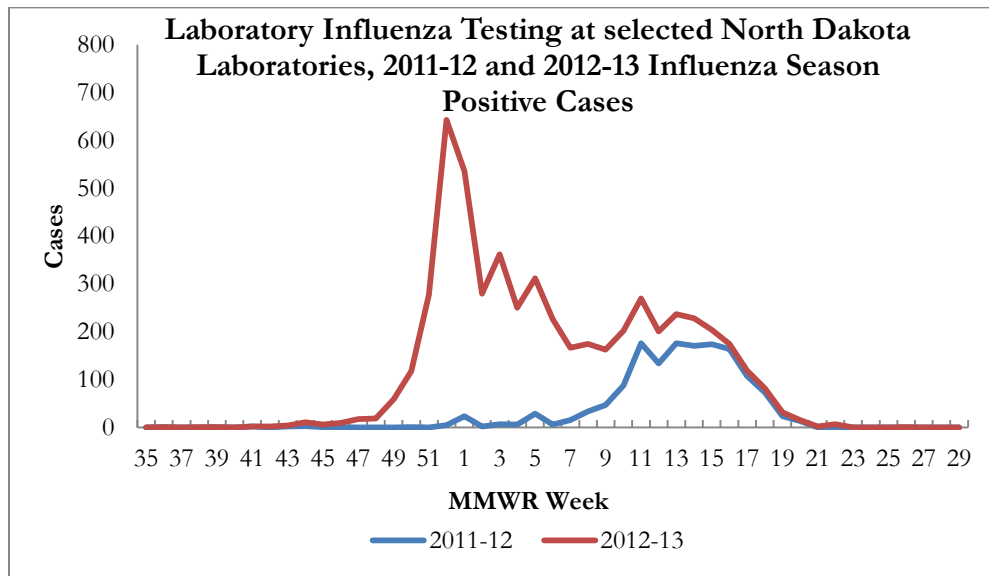
Notice the offset in the timing of the 2012-13 influenza season versus the 2011-12 season. The total number of cases reported for 2012-13 far exceeded the 2011-12 season, with 3,345 more cases reported this season compared with last season. A co-circulation of B viruses along with the higher percentage of AH3 virus this year may have contributed to the increased number of cases. During the 2012-13 influenza season, 4,833 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 December 23, 2012, with 658 cases.



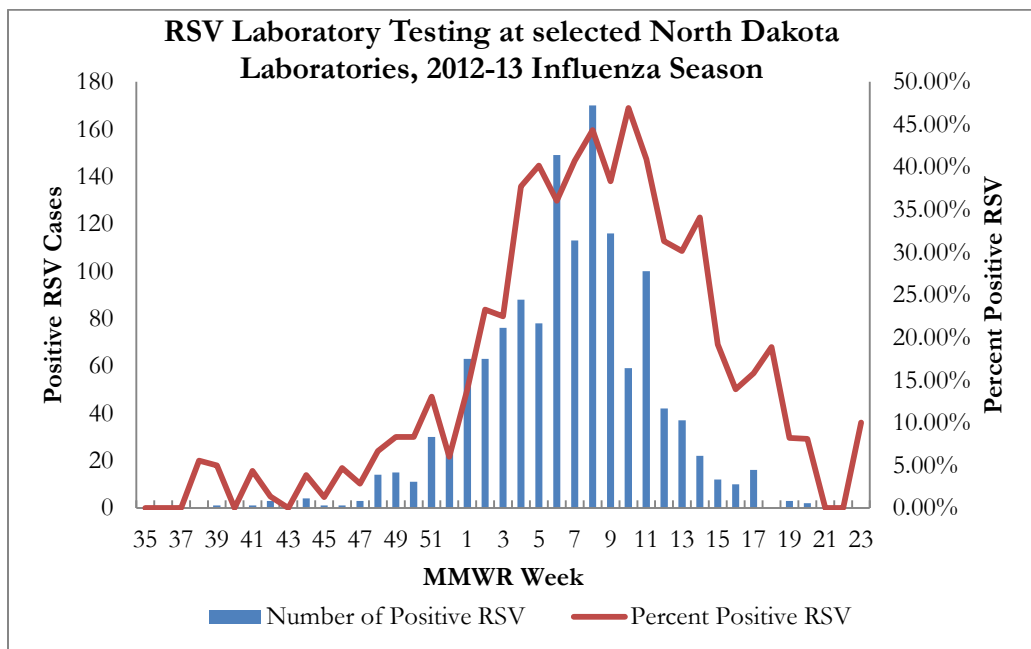
During the 2012-13 influenza season, the largest number of positive cases was reported in the 1-5 year age group (863 for 2012-13). Around 34 percent (1,641) of the positive cases were in children age 10 and younger.

*Morbidity and Mortality Weekly Report

Laboratory Influenza & RSV Testing

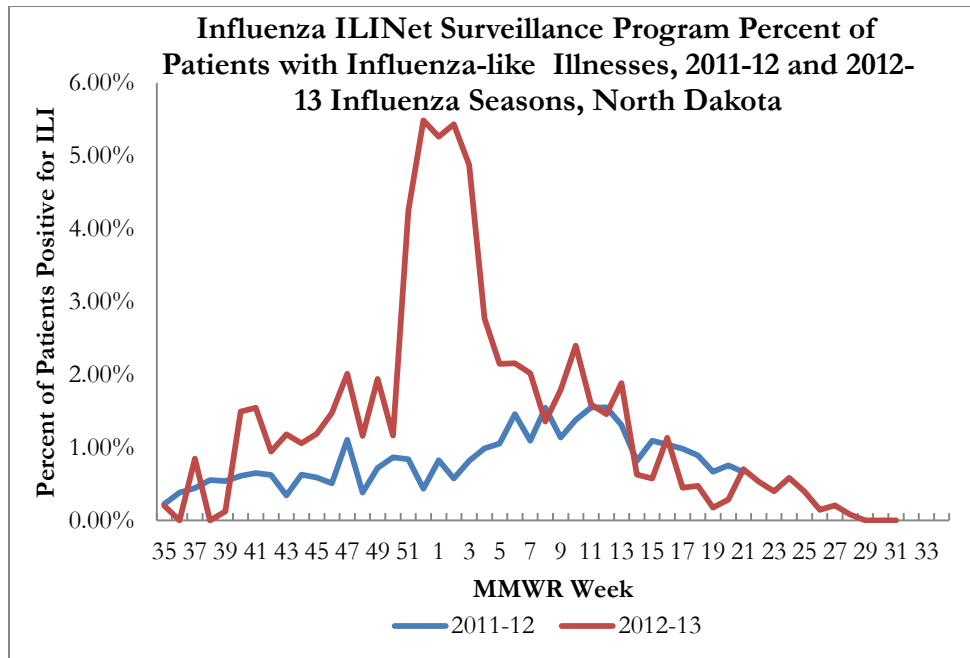


Twenty-two selected sentinel laboratories throughout the state submit influenza testing data to the North Dakota Department of Health (NDDoH). Positive laboratory tests reported from these 22 laboratories peaked during the week of December 16, 2012, with 31 percent of all tests run testing positive.

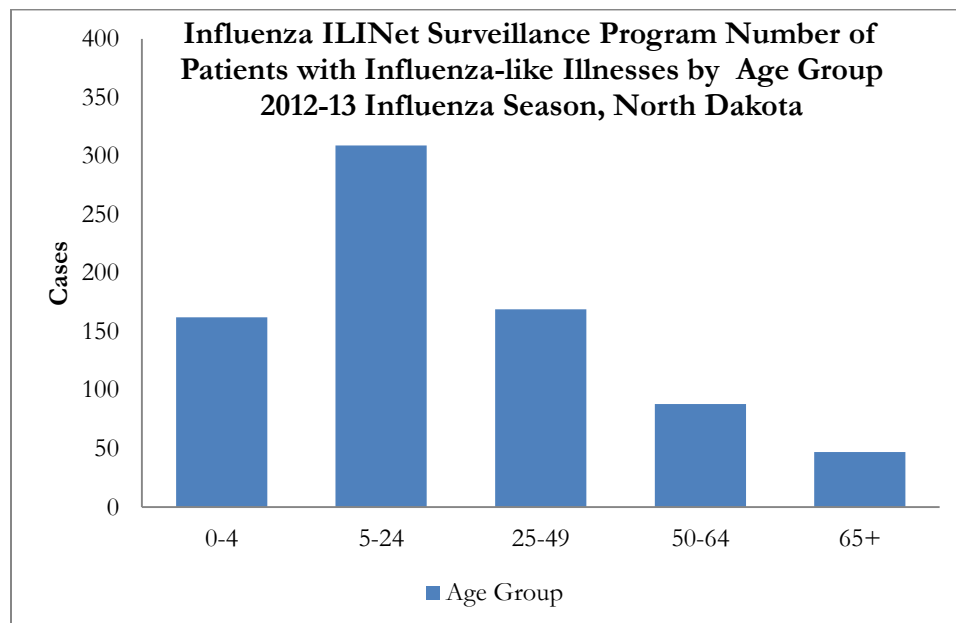


Nineteen selected sentinel laboratories throughout the state submit RSV testing data to the NDDoH. Positive laboratory tests for RSV from these 19 laboratories peaked during the week of February 3, 2013, with 47 percent of all tests run testing positive.

Outpatient Influenza-like Illness Surveillance Network (ILINet)



Twenty-six private health-care 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 with cough or sore throat. The number of reports of ILI peaked during the week of December 23, 2012, with 5.5 percent of visits due to ILI.



Data provided by the 26 ILINet providers indicated that most of the patients presenting in their clinic with influenza-like illness were between the ages of 5-24 years.