

2010-11 Influenza Summary

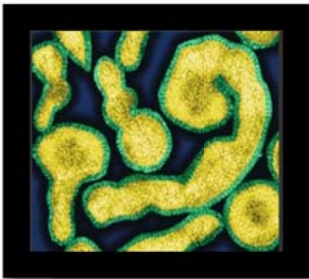
AT A GLANCE

- 154 Number of reported cases of laboratory identified Influenza in ND
- 11 Reported influenza hospitalizations.
- 1 Reported influenza deaths.

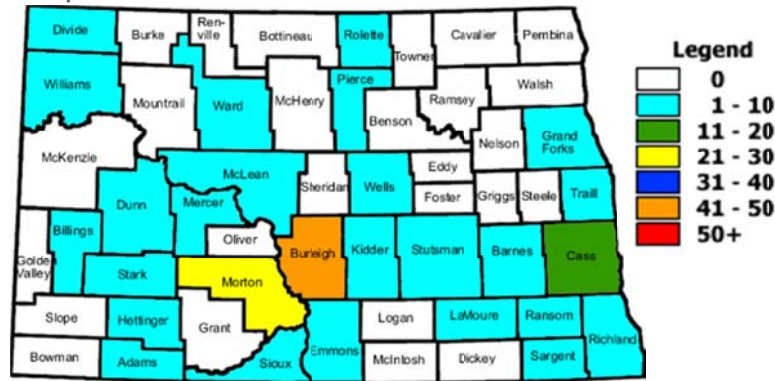
Influenza Surveillance Project*

Respiratory Viruses Identified		
Weeks	2-3	31-3
No. tested	0	18
Inf A 2009H1	0	0
Inf A H1	0	0
Inf A H3	0	0
Inf B	0	0
RSV	0	0
Parainfluenza	0	0
Rhinovirus	0	2
Adenovirus	0	2
Human Meta-pneumovirus	0	0

*Surveillance is conducted at select North Dakota facilities to monitor influenza-like illness, acute respiratory disease and evaluate other respiratory virus pathogens that contribute to influenza-like illness.



Reported Influenza Cases*

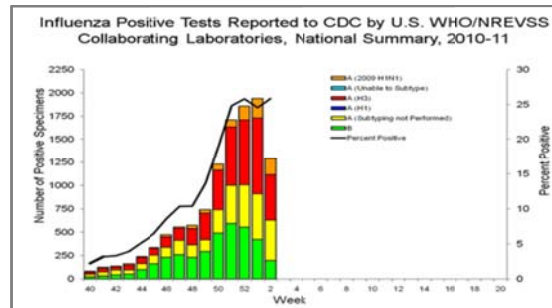


WEEK	2009 H1N1	Inf AH1	Inf AH3	Inf A Untyped	Inf B	Inf Unk	Total
52	0	0	0	23	2	0	25
1	1	0	1	22	1	0	25
2	0	0	1	32	2	0	35
3	2	0	0	37	2	0	41
YTD	3	0	8	136	7	0	154

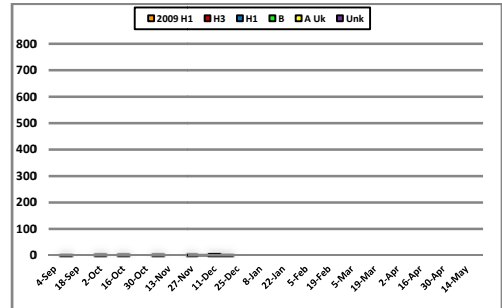
*Includes positive rapid, IFA, DFA, PCR tests and Culture

Influenza by Subtype

United States



North Dakota

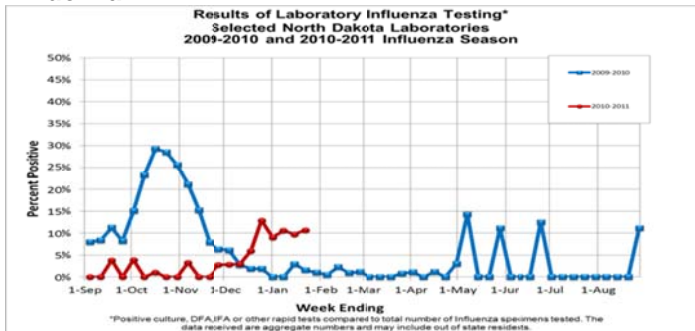


Influenza by Age Group

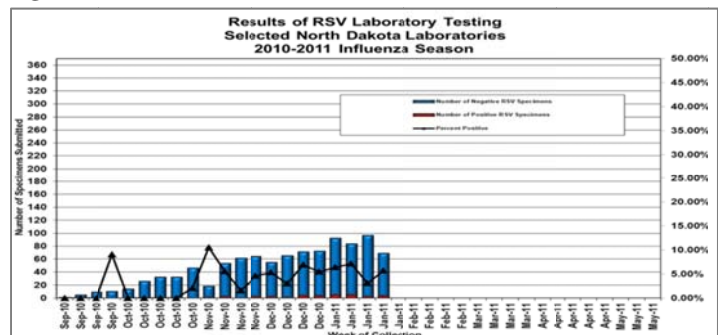
WEEK	<1	1-5	6-10	11-19	20-24	25-34	35-44	45-54	55-64	65+	TOTAL
52	0	4	2	1	4	5	2	3	2	2	25
1	1	6	2	4	2	6	0	2	0	2	25
2	1	9	2	4	1	8	0	5	1	4	35
3	1	8	10	1	3	2	1	5	1	9	41
YTD	7	31	20	13	10	24	8	17	5	19	154

Sentinel Laboratory Influenza & RSV Testing

Influenza



RSV



ILI Sentinel Provider Surveillance

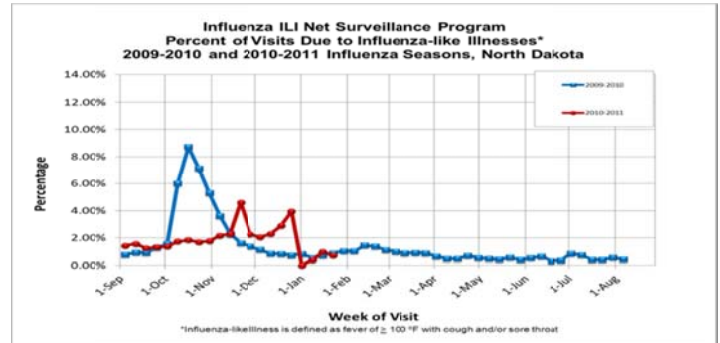
Select ND providers participate in the ILINet surveillance program.

WEEK	% ILI	0-4	5-24	25-49	50-64	65+
52	0.13%	0	1	0	0	0
1	0.20%	0	1	1	0	0
2	0.17%	0	1	1	0	0
3	1.06%	1	8	2	1	0

*Influenza-like Illness is defined as fever $\geq 100^{\circ}\text{F}$ with cough and/or sore throat.

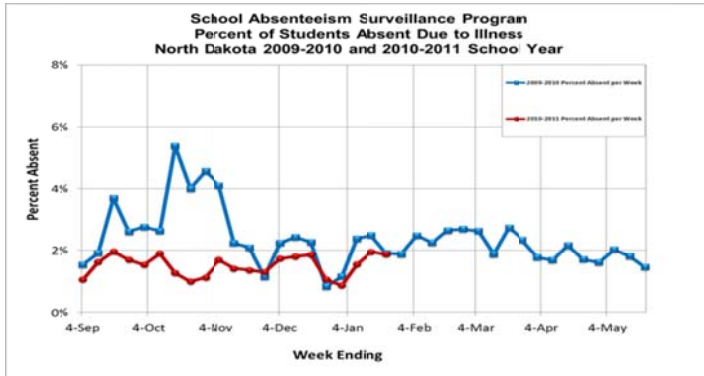
Nation-wide: 2.9% of patient visits reported via ILINet were ILI.

North Dakota

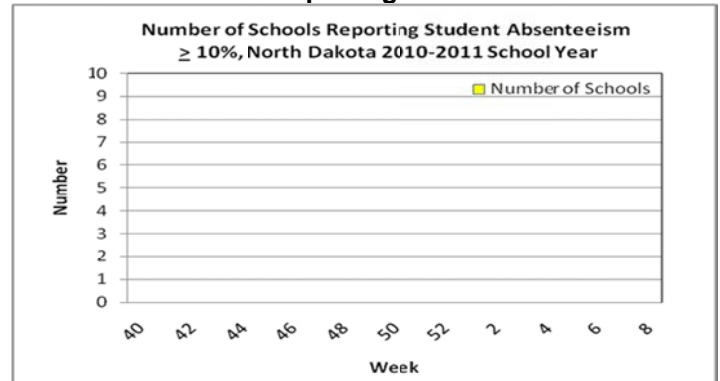


School Absenteeism Surveillance

Percent of Students Absent Due to Illness

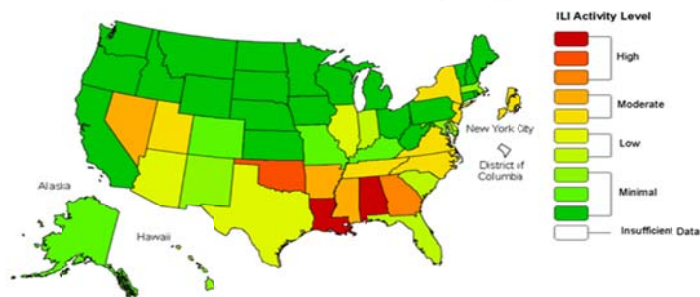


Number of Schools Reporting Absenteeism >10%



National Influenza Activity

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2010-11 Influenza Season Week 2 ending Jan 15, 2011



Please note:

This map uses the proportion of outpatient visits to health care providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels. Data collected in ILINet may disproportionately represent certain populations within a state, and therefore, may not accurately depict the full picture of influenza activity for the whole state.

A Weekly Influenza Surveillance Report Prepared by the Influenza Division
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists*
Week Ending January 15, 2011- Week 2



Please note:

This map indicates geographic spread and does not measure the severity of influenza activity.