

2010-11 Influenza Summary

Division of Disease Control
WEEK 7
2/13/2011 - 2/20/2011

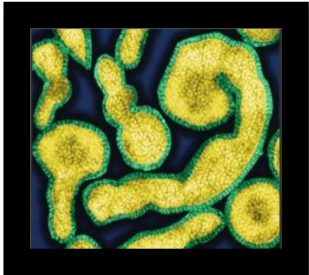
AT A GLANCE

- 499 Number of reported cases of laboratory identified Influenza in ND
- 25 Reported influenza hospitalizations.
- 2 Reported influenza deaths.

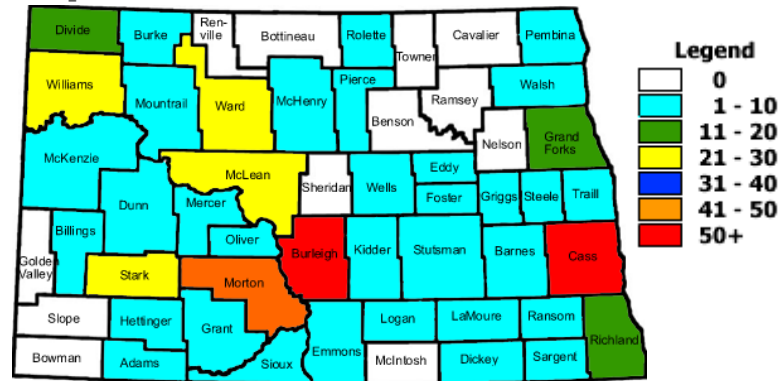
Influenza Surveillance Project*

Respiratory Viruses Identified		
Weeks	5-6	31-6
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*

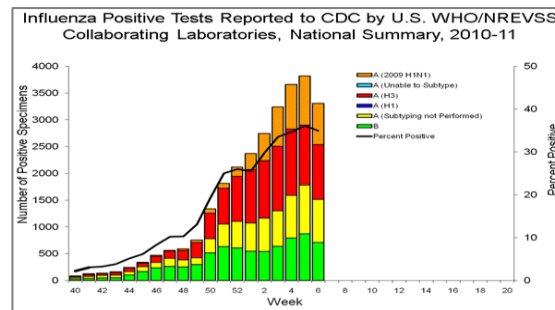


WEEK	2009 H1N1	Inf AH1	Inf AH3	Inf A Untyped	Inf B	Inf Unk	Total
4	0	0	7	50	5	0	62
5	0	0	4	65	9	0	78
6	0	0	9	103	16	1	129
7	0	0	5	32	5	1	43
YTD	22	0	38	392	45	2	499

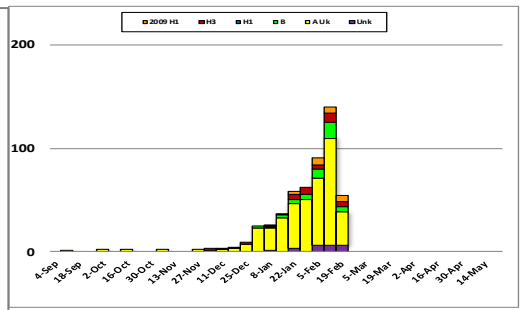
*Includes positive rapid, IFA, DFA, PCR tests and Culture

Influenza by Subtype

United States



North Dakota

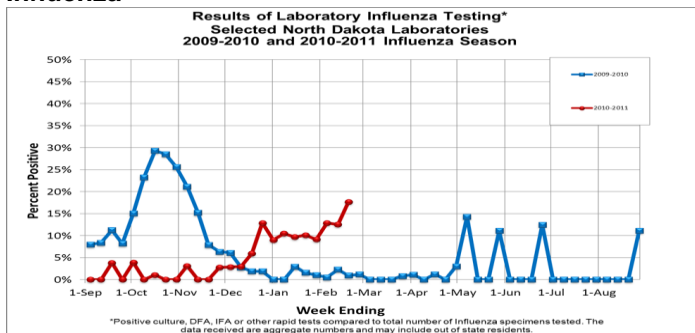


Influenza by Age Group

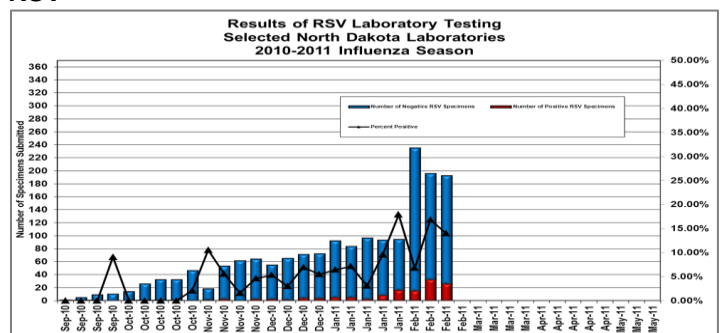
WEEK	<1	1-5	6-10	11-19	20-24	25-34	35-44	45-54	55-64	65+	TOTAL
4	4	15	13	8	3	5	5	6	1	2	62
5	6	11	8	11	18	10	4	6	5	5	84
6	5	21	28	24	15	19	7	5	7	4	135
7	0	5	6	5	11	9	1	7	2	3	49
YTD	22	87	77	61	57	71	26	40	20	38	499

Sentinel Laboratory Influenza & RSV Testing

Influenza



RSV



ILI Sentinel Provider Surveillance

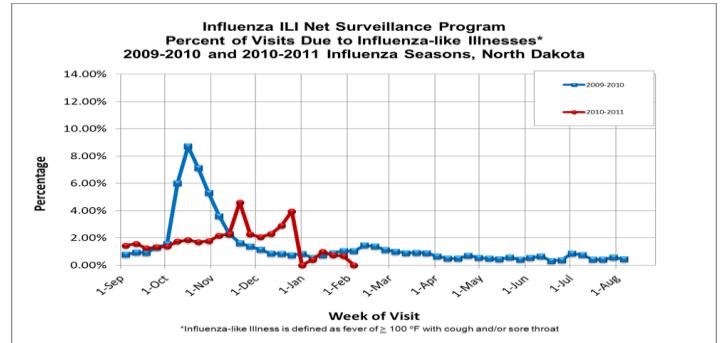
Select ND providers participate in the ILINet surveillance program.

WEEK	% ILI	0-4	5-24	25-49	50-64	65+
4	1.39%	5	9	4	1	0
5	1.51%	2	11	8	0	0
6	2.22%	1	16	11	2	0
7	2.91%	0	23	18	0	1

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

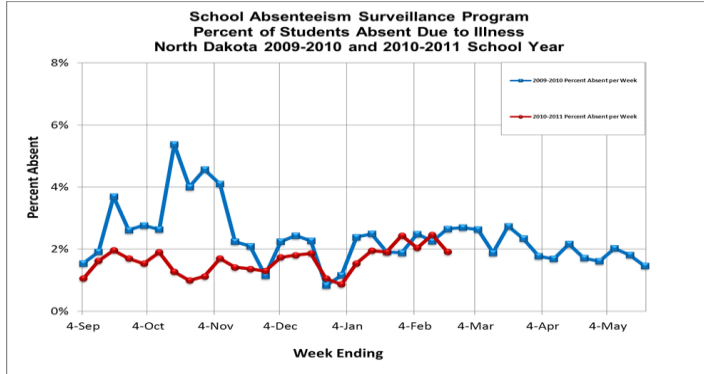
Nation-wide: 4.5% of patient visits reported via ILINet were ILI.

North Dakota

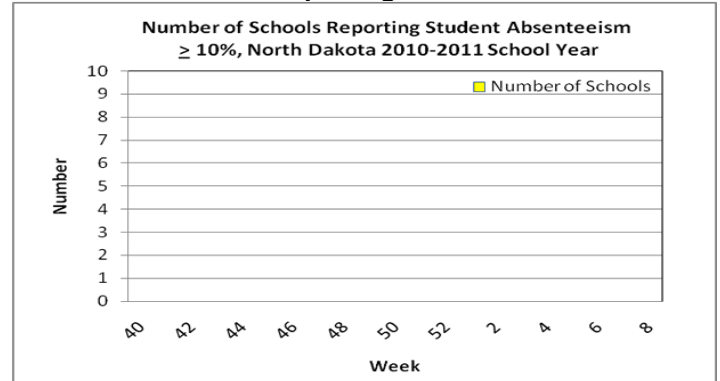


School Absenteeism Surveillance

Percent of Students Absent Due to Illness

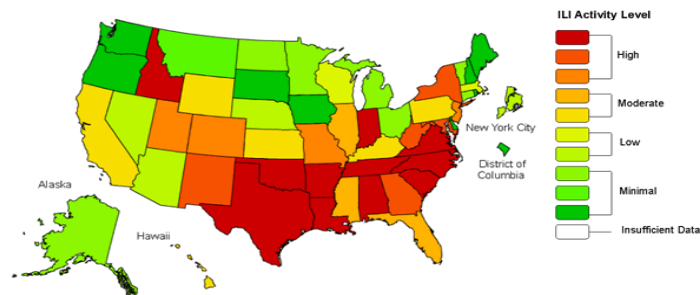


Number of Schools Reporting Absenteeism >10%



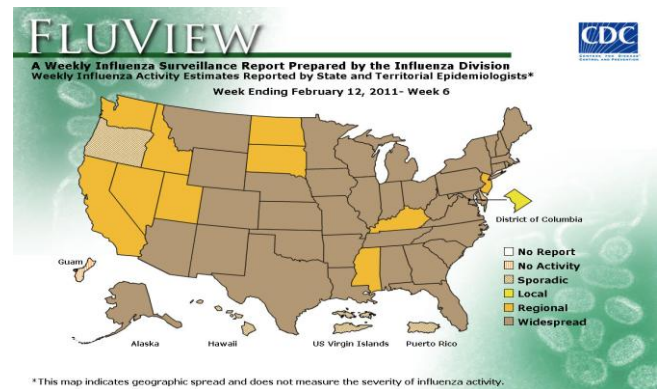
National Influenza Activity

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2010-11 Influenza Season Week 6 ending Feb 12, 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.



Please note:

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