

2010-11 Influenza Summary

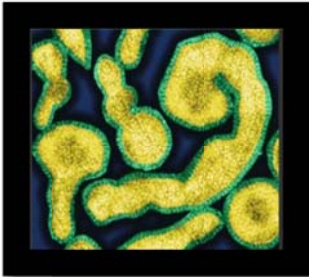
AT A GLANCE

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

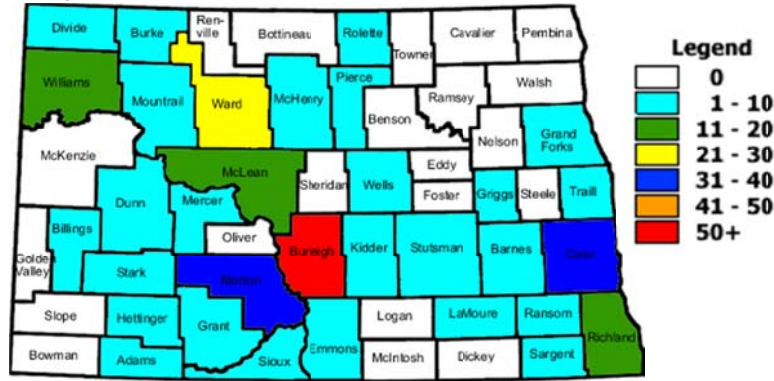
Influenza Surveillance Project*

Respiratory Viruses Identified		
Weeks	4-5	31-5
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*

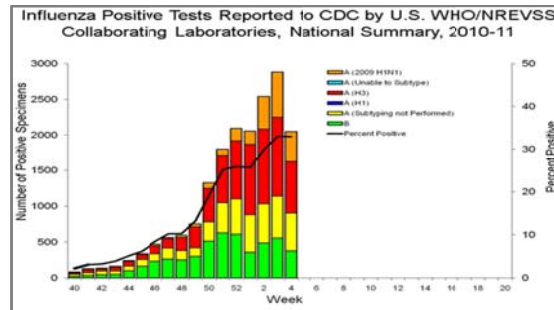


WEEK	2009 H1N1	Inf AH1	Inf AH3	Inf A Untyped	Inf B	Inf Unk	Total
2	0	0	1	32	3	0	36
3	3	0	4	43	4	0	54
4	0	0	6	47	5	0	58
5	4	0	3	51	2	0	60
YTD	8	0	21	240	17	0	286

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

Influenza by Subtype

United States



North Dakota

2009H1 H3 H1 B AUK UK

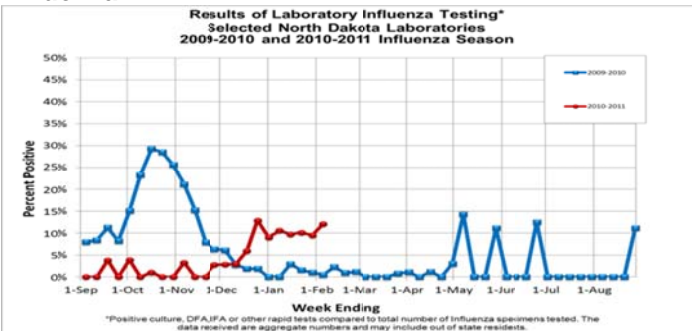


Influenza by Age Group

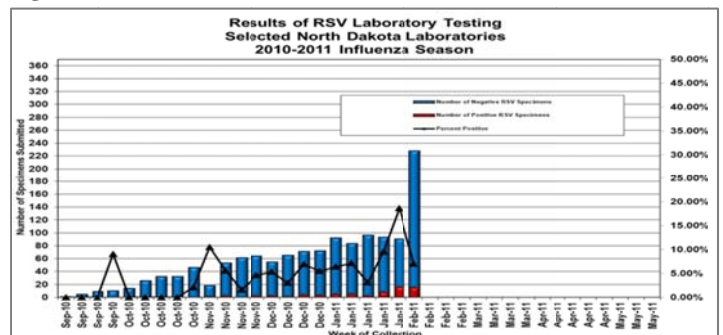
WEEK	<1	1-5	6-10	11-19	20-24	25-34	35-44	45-54	55-64	65+	TOTAL
2	1	9	2	4	1	9	17	5	1	4	53
3	1	12	12	1	3	5	17	4	1	13	69
4	3	14	12	8	2	5	17	6	1	2	70
5	5	6	7	8	10	7	17	5	3	5	73
YTD	15	55	41	29	22	40	17	27	9	30	285

Sentinel Laboratory Influenza & RSV Testing

Influenza



RSV



ILI Sentinel Provider Surveillance

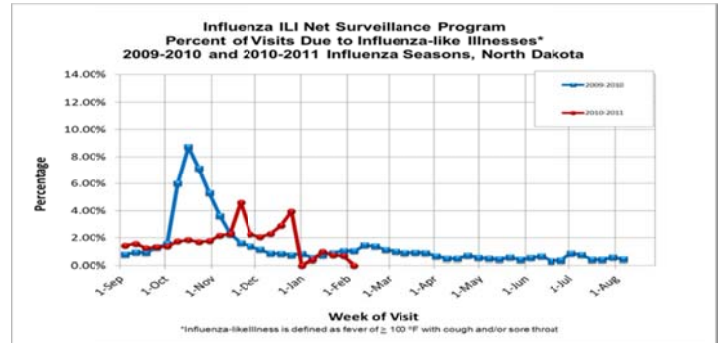
Select ND providers participate in the ILINet surveillance program.

WEEK	% ILI	0-4	5-24	25-49	50-64	65+
2	0.16%	0	1	1	0	0
3	1.17%	1	10	2	1	0
4	1.39%	4	9	4	1	0
5	1.94%	2	10	7	0	0

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

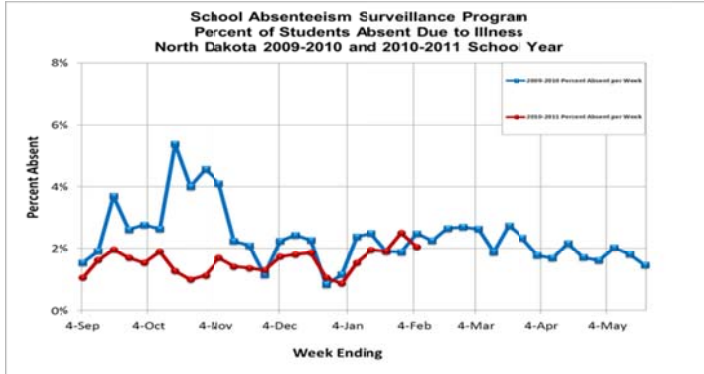
Nation-wide: 4.0% of patient visits reported via ILINet were ILI.

North Dakota

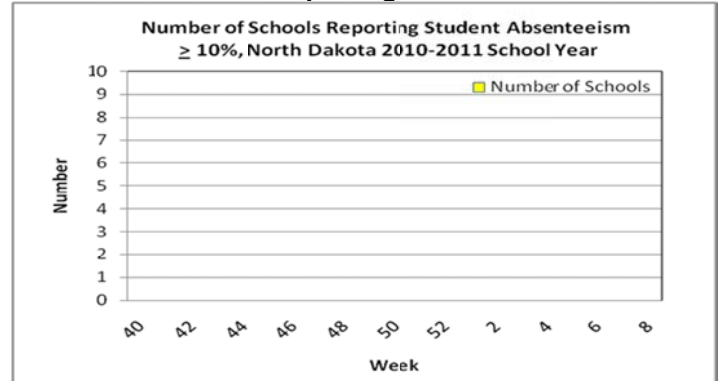


School Absenteeism Surveillance

Percent of Students Absent Due to Illness

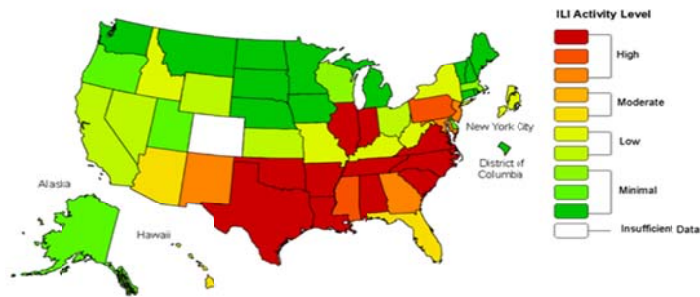


Number of Schools Reporting Absenteeism >10%



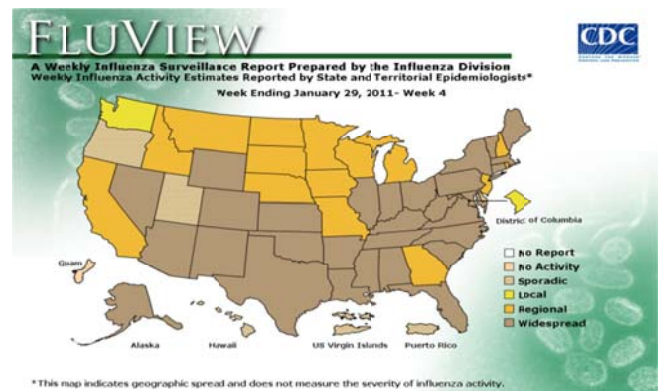
National Influenza Activity

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet
2010-11 Influenza Season Week 4 ending Jan 29, 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.