

SD 2018/2019 Influenza Weekly Summary

Week Ending February 23, 2019 (Week 8)

Provisional numbers, * Lab confirmed: PCR, Culture or DFA. The number of laboratories using rapid confirmatory tests has increased, which may account for some of the increase in confirmed cases observed this influenza season

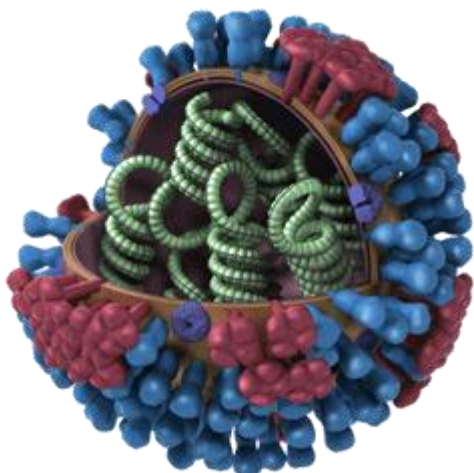


SOUTH DAKOTA
DEPARTMENT OF HEALTH

Lab Confirmed Cases	Feb 17-23	Season to Date
Type A, H1	33	254
Type A, H3	31	187
Type A, Unspecified	1,024	5,585
Type B Unspecified	14	64
B Yamagata	0	1
B Victoria	0	6
Total*	1,102	6,097

Rapid Antigen Tests (95) sites reporting	Feb 17-23	Season to Date
Total Tested	3,116	19,351
Total Positive	1,155 (1,005A/150B)	5,128 (4,666A/462B)
% Rapid Antigen Tests Positive	37.07%	26.50%

	Feb 17-23	Season to Date
Hospitalizations	68	390
Deaths	2	15



3D Influenza Virus

SD Influenza Geographic: **WIDESPREAD**

SD Influenza Severity : MODERATE

US Influenza Activity: <http://www.cdc.gov/flu/weekly/fluactivitysurv.htm>

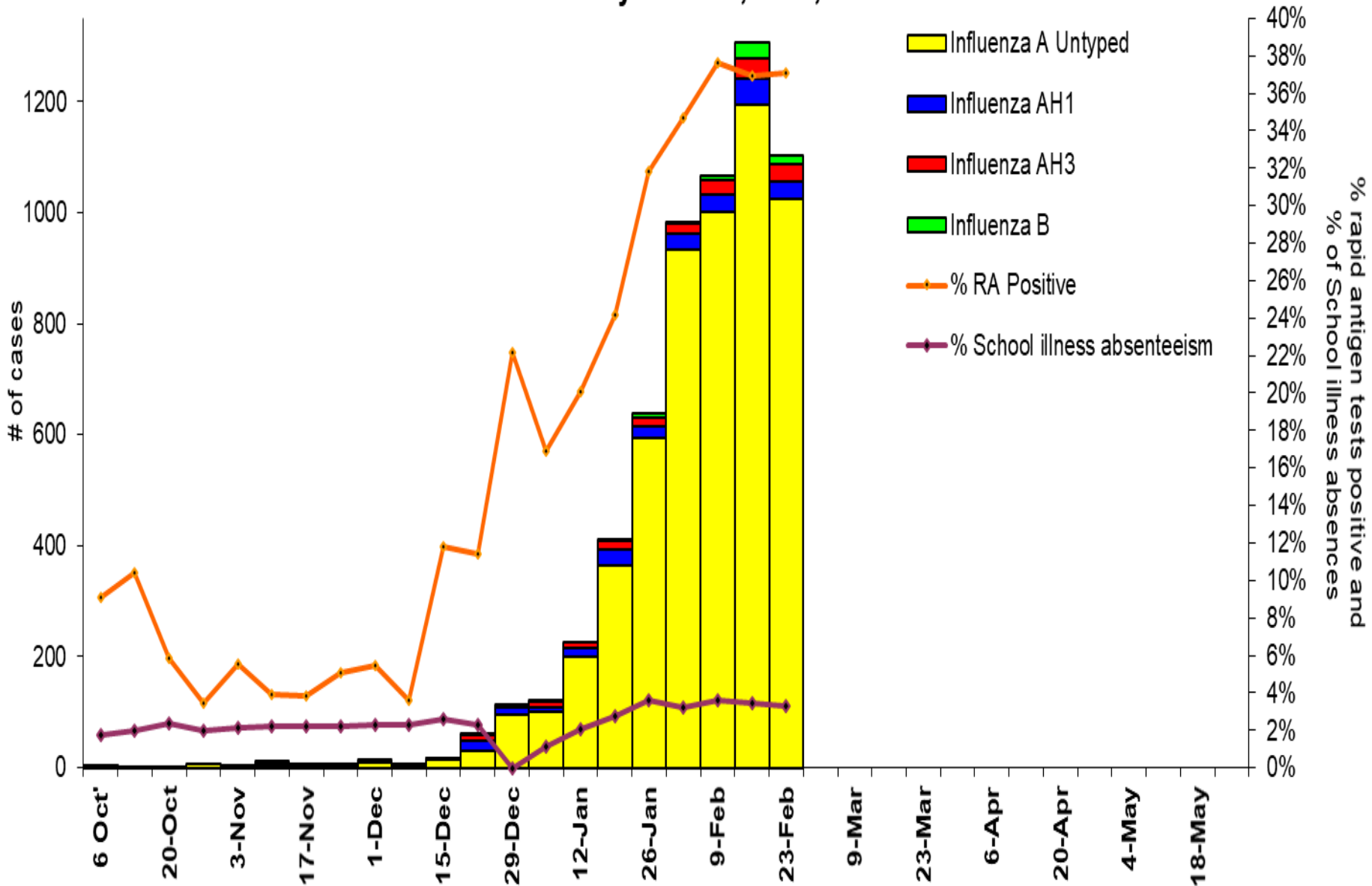
International Flu Activity: <http://www.cdc.gov/flu/weekly/intsurv.htm>

South Dakota Influenza information:

<http://doh.sd.gov/diseases/infectious/flu/>

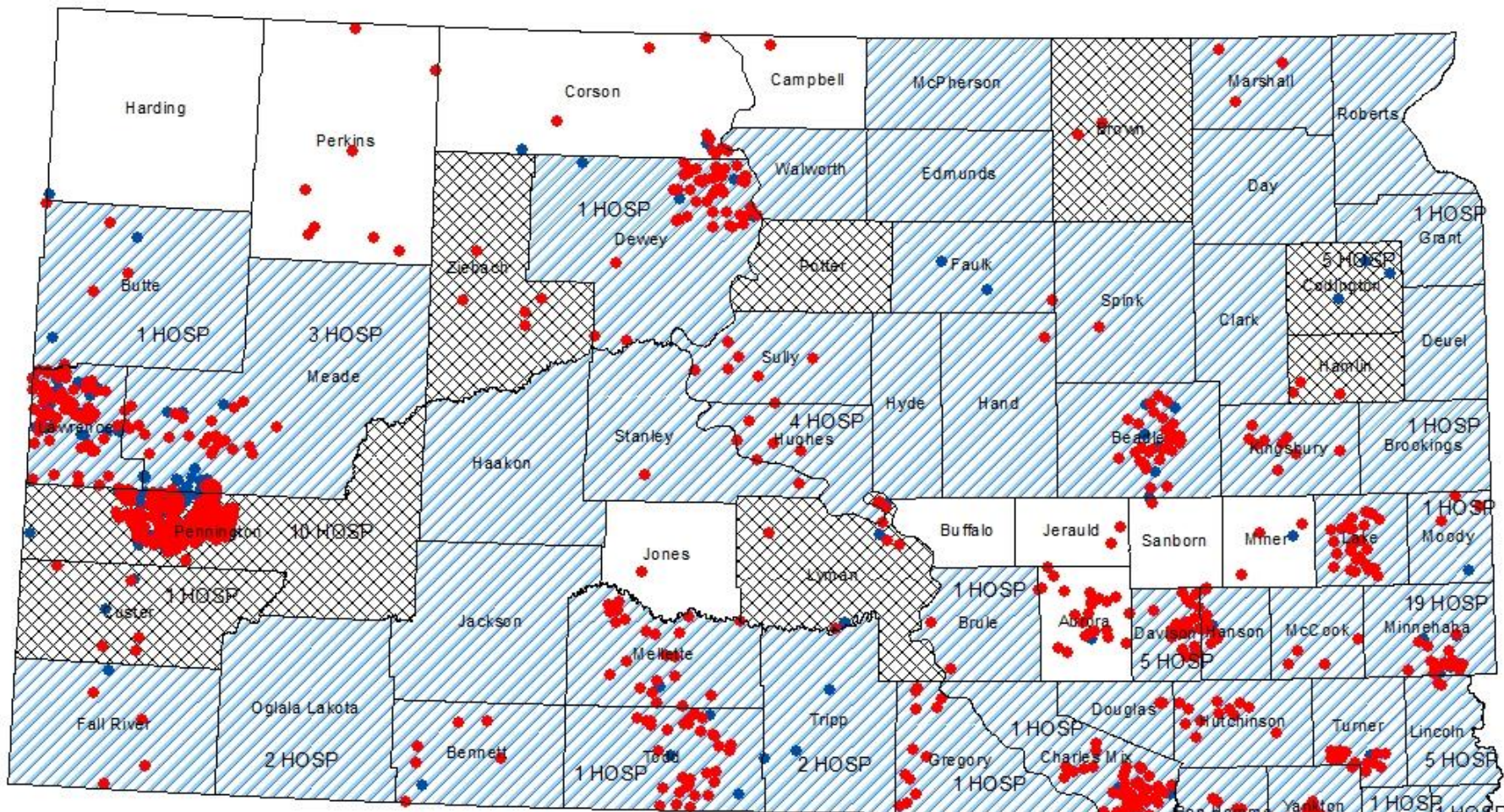
2018-2019 Influenza Season Lab Confirmed Influenza cases*, % Rapid Antigen Positive, & % School Absenteeism SD

* Confirmed by Culture, PCR, or DFA

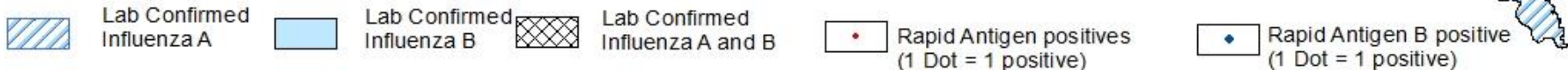


SD 2018/19 Influenza Weekly Summary

Week Ending February 23, 2019 (Provisional Data)



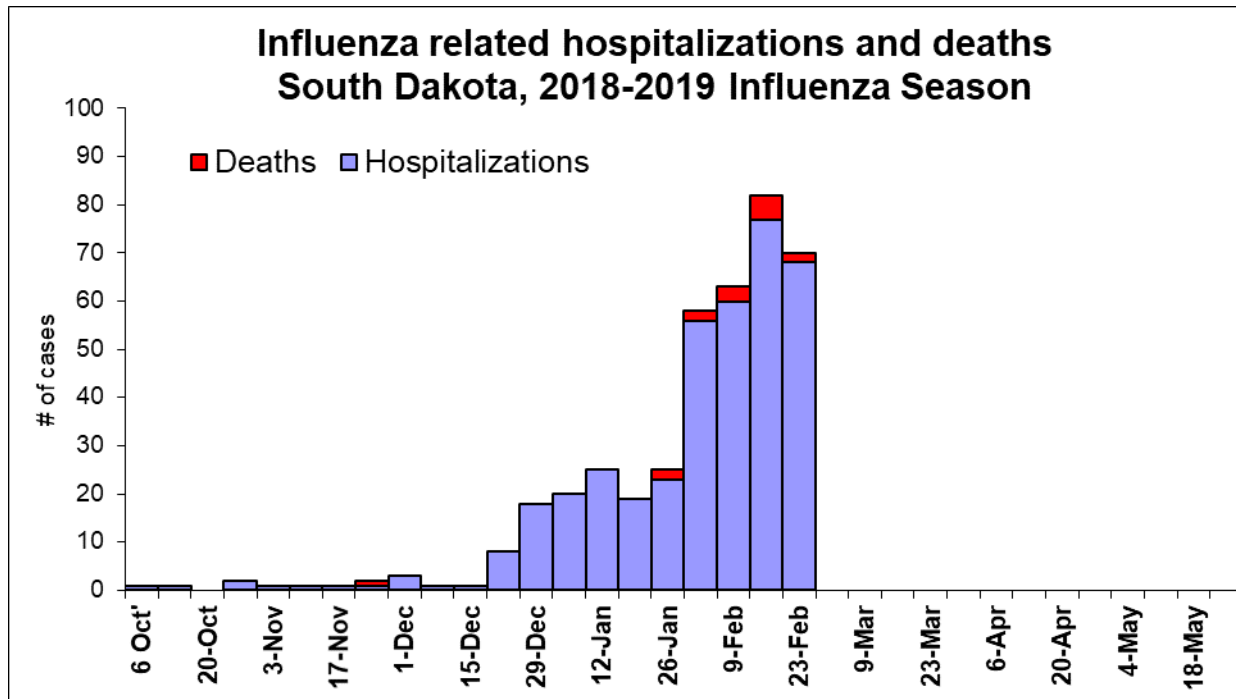
Note: Rapid Antigen results represent the reporting clinic local and may not represent the patient's home address



Age distribution of influenza-associated deaths and hospitalizations, and confirmed* cases, South Dakota (cumulative to-date for 2017-2018 season).

Age Group	Deaths (%)	Hospitalized (%)	Confirmed* cases (%)
0-4 yrs.	1 (7%)	56 (15%)	1,501 (25%)
5-18 yrs.	0	22 (6%)	2,347 (39%)
19-49 yrs.	3(20%)	71 (18%)	1,280 (21%)
50-64 yrs.	3 (20%)	84 (22%)	520 (9%)
>64 yrs.	8(50%)	152 (39%)	448 (7%)
TOTAL	15	385	6,096

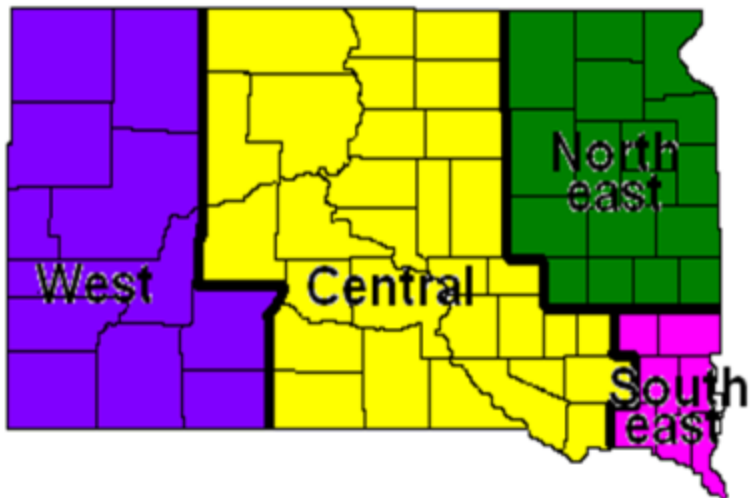
* Confirmed by PCR, culture or DFA



SD K-12 School Absenteeism due to illness

Region	All	W	C	NE	SE
# Schools Reporting	132	27	34	24	69
% Absent due to illness	3.31%	4.95%	3.39%	2.43%	2.45%

25 Schools had greater than 5% of students absent
Absenteeism was 0-18%



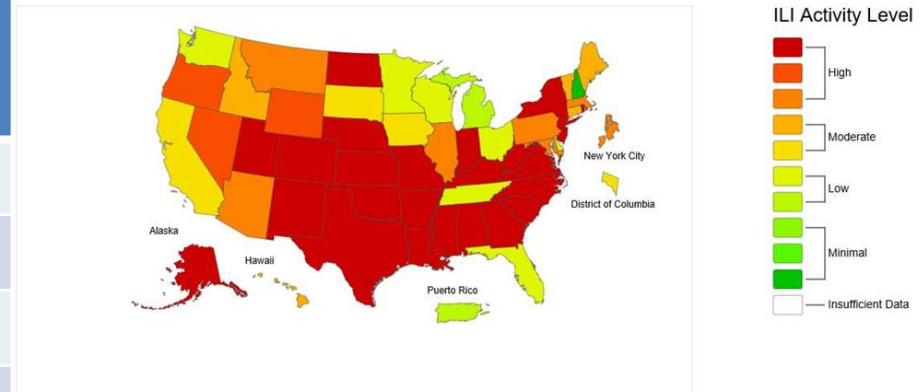
ILInet Surveillance

- ILInet: outpatient visits to providers are reported, including total number of patient visits and number of patients with Influenza Like Illness (ILI).
 - ILI defined as fever $\geq 100^{\circ}\text{F}$, PLUS cough and/or sore throat (Regional baseline 1.4%)
- SD ILInet providers: Aberdeen (2); Beresford; Brandon; Brookings (2); Canton; Chamberlain; Custer; Ipswich; Lead-Deadwood; Kennebec; Miller; Milbank; Mitchell (2); Pierre; Rapid City; Redfield; Sioux Falls (10); Spearfish; Sturgis; Vermillion; Watertown; and Winner

SD ILInet Data for past 5 Weeks

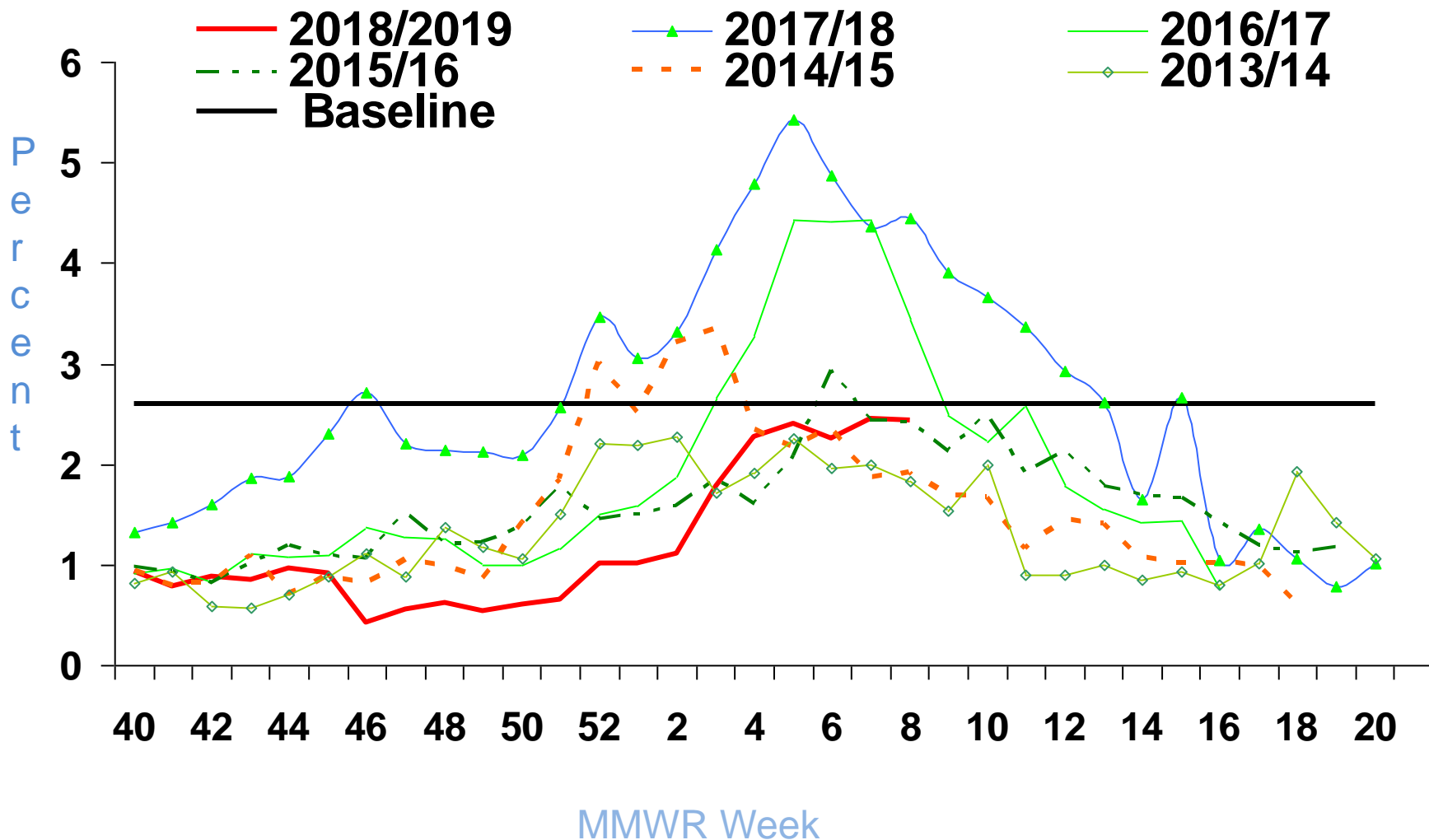
Week Ending	# ILI Patients by Age Group					Total ILI	Total Patient Visits	% ILI
	0-4	5-24	25-49	50-64	>64			
1/26	140	155	65	20	18	398	17,472	2.28%
2/2	130	186	50	21	2	415	17,279	2.40%
2/9	108	196	43	28	21	396	17,553	2.26%
2/16	129	203	53	28	26	439	17,857	2.46%
2/23	114	194	57	34	33	432	17,707	2.44%

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILInet
2018-19 Influenza Season Week 8 ending Feb 23, 2019



South Dakota ILINet Weekly Surveillance Percentage, 2013/14 to 2018/19 Influenza Seasons

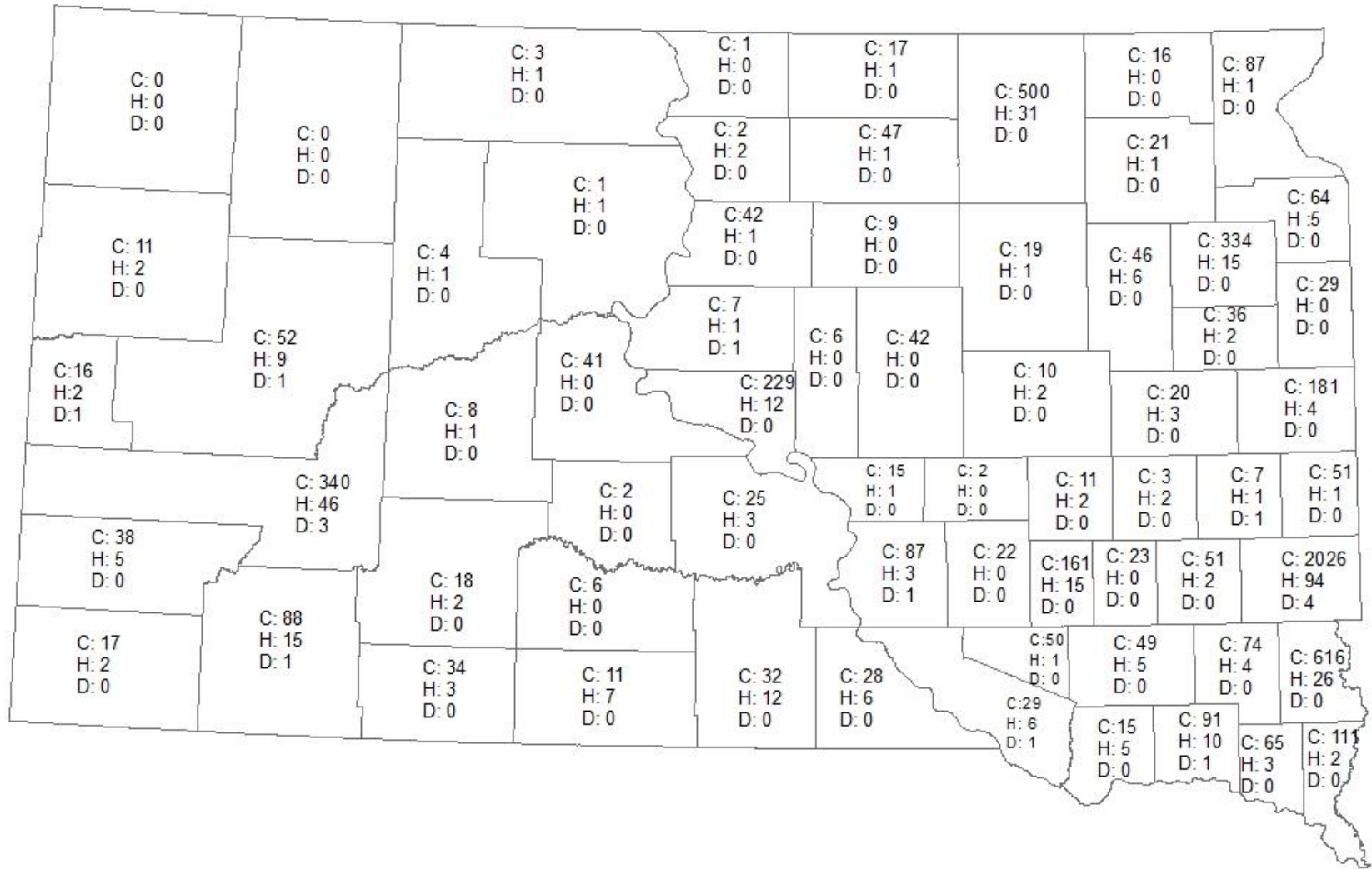
MMWR Week 8 = 2.44% HHS Region 8 Baseline = 2.6%



2018-2019 Influenza Season Cumulative number of Confirmed Cases, Hospitalizations, and Deaths

Provisional numbers, * Lab confirmed: PCR, Culture or DFA.

The number of laboratories using rapid confirmatory tests has increased,
which may account for some of the increase in confirmed cases observed this influenza season)





A New Ounce of Prevention for You & Your Family

www.flunearyou.org

Flu Near You is a free, real-time disease tracking system that engages you, your family and your friends directly in flu prevention and gives you the knowledge to help everyone stay healthy. Flu Near You uses anonymous reporting to help promote flu prevention in your community and head off the spread of disease among your friends and loved ones.



How it Works

Becoming a flu fighter is simple, fast and confidential. Anyone 13 or older can go to www.flunearyou.org to sign-up.

You will get a weekly email with two questions: *Do you have any of the following 10 symptoms?* and *Have you had a flu shot?*

Flu Near You uses these reports to create a real-time map and graphs that show you the spread of flu across the country, right down to the zip code level.

The website has a lot of useful information including links to public health websites, information about the number of reports in your state, and places to get vaccinated.

This is just the first step in building a reporting system that can eventually extend beyond influenza to other communicable diseases in the U.S. and across the world.

It's an exciting prospect. But the big benefits only happen if we're all willing to join in.

Help spread the word, not the flu! www.flunearyou.org