

# SD 2018/2019 Influenza Weekly Summary

## Week Ending May 18, 2019 (Week 20)

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

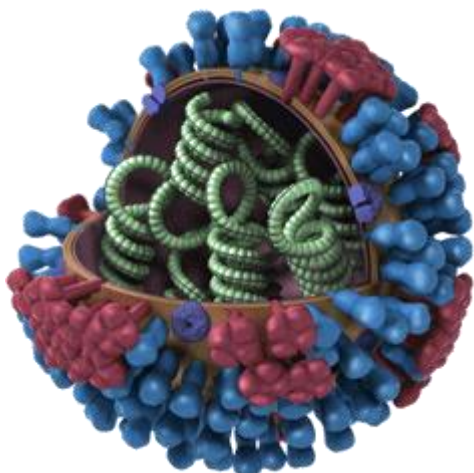


SOUTH DAKOTA  
DEPARTMENT OF HEALTH

Lab Confirmed Cases	May 12-18	Season to Date
Type A, H1	0	378
Type A, H3	0	457
Type A, Unspecified	4	8,331
Type B Unspecified	4	348
B Yamagata	0	1
B Victoria	1	23
Total*	9	9,538

Rapid Antigen Tests (51) sites reporting	May 12-18	Season to Date
Total Tested	148	33,413
Total Positive	20 (6A/14B)	9,793 (8,325A/1,468B)
% Rapid Antigen Tests Positive	13.51%	29.31%

	May 12-18	Season to Date
Hospitalizations	2	647
Deaths	0	42



3D Influenza Virus

SD Influenza Geographic: **SPORADIC**

SD Influenza Severity : **LOW**

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

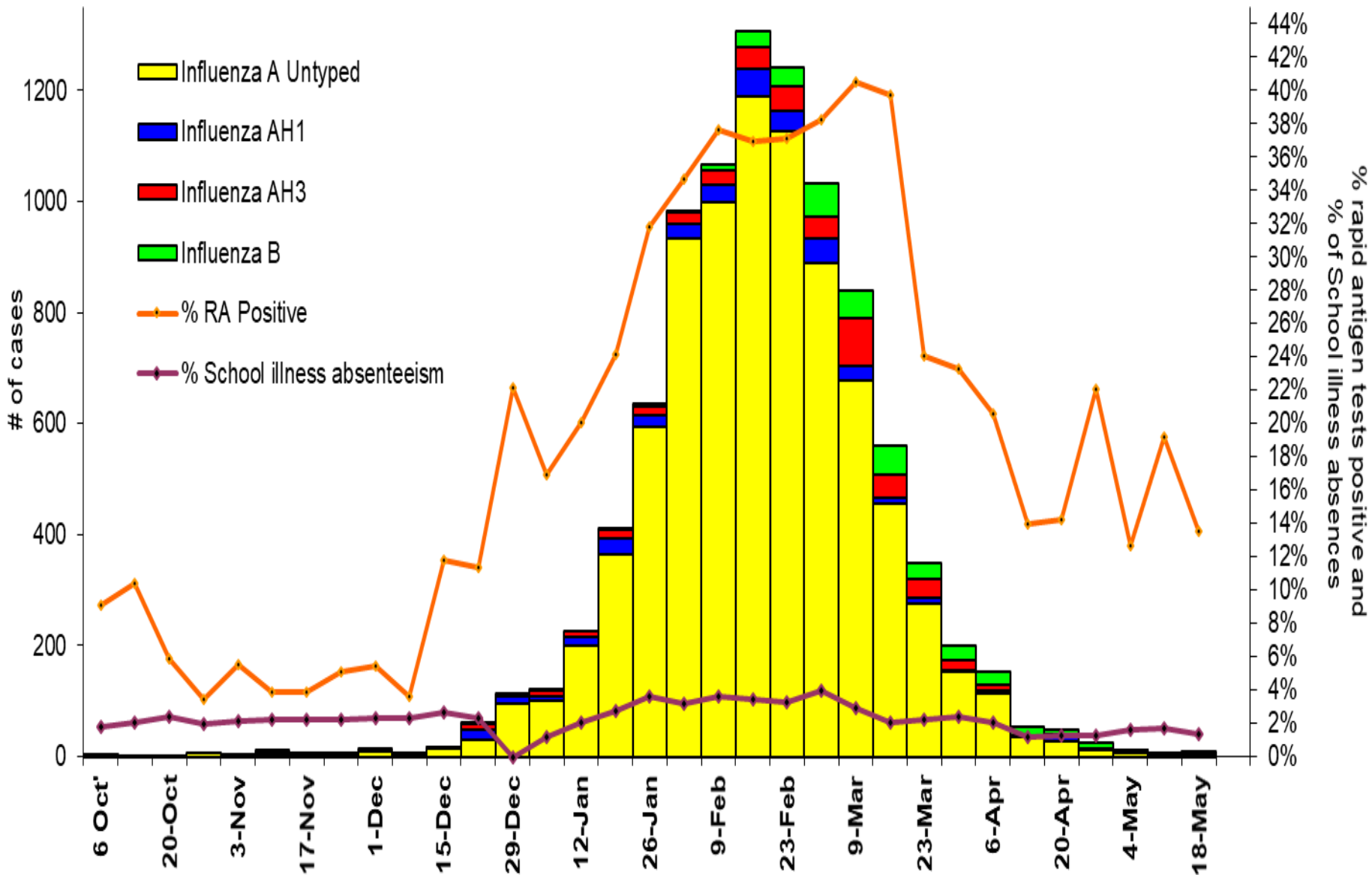
International Flu Activity: <http://www.cdc.gov/flu/weekly/intsurv.htm>

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

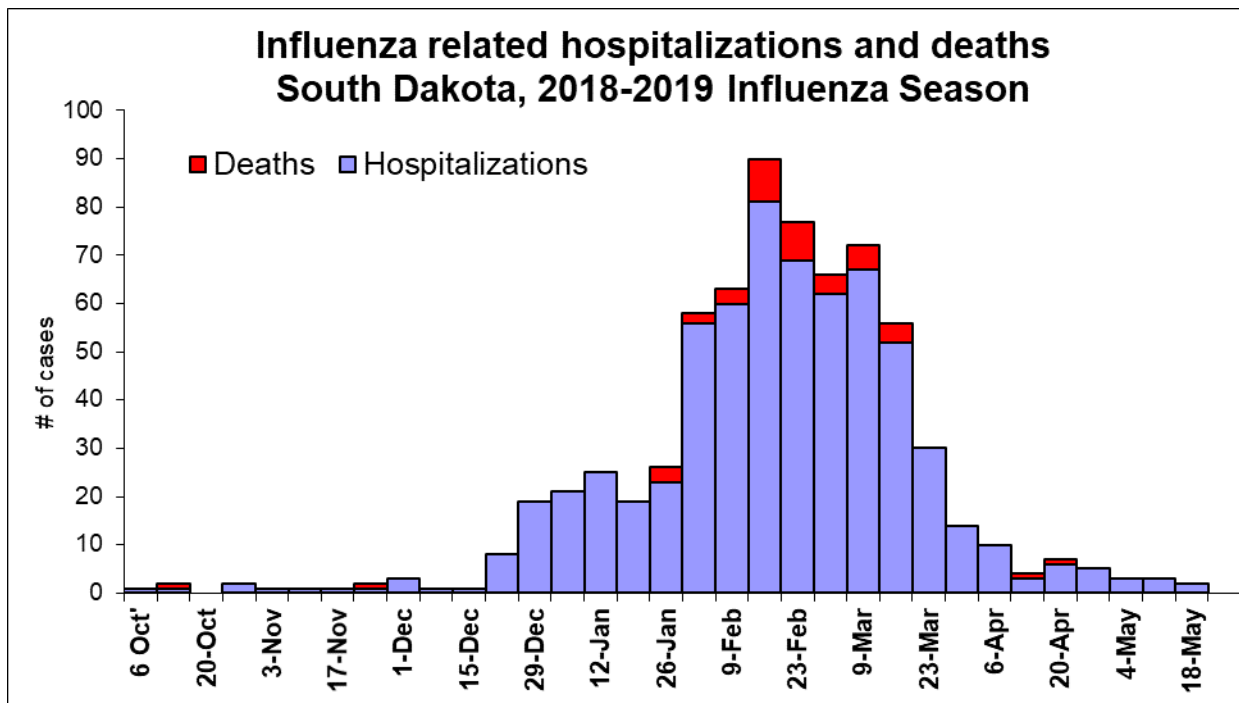
\* Confirmed by Culture, PCR, or DFA



**Age distribution of influenza-associated deaths and hospitalizations, and confirmed\* cases, South Dakota** (cumulative to-date for 2018-2019 season).

Age Group	Deaths (%)	Hospitalized (%)	Confirmed* cases (%)
0-4 yrs.	1 (2%)	89 (14%)	2,425 (25%)
5-18 yrs.	0 (0%)	31 (5%)	3,564 (37%)
19-49 yrs.	5 (12%)	104 (16%)	1,897 (20%)
50-64 yrs.	10 (24%)	132 (20%)	825 (9%)
>64 yrs.	26 (62%)	291 (45%)	827 (9%)
<b>TOTAL</b>	<b>42</b>	<b>647</b>	<b>9,538</b>

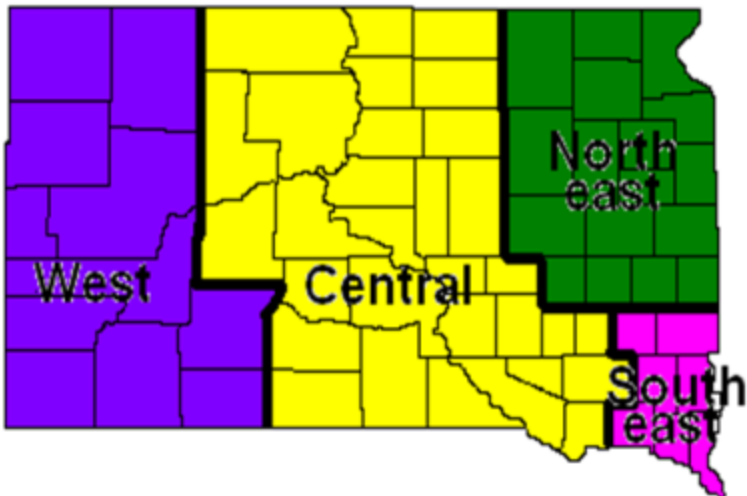
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# SD K-12 School Absenteeism due to illness

Region	All	W	C	NE	SE
# Schools Reporting	130	21	22	20	68
% Absent due to illness	1.34%	1.14%	1.91%	0.94%	1.37%

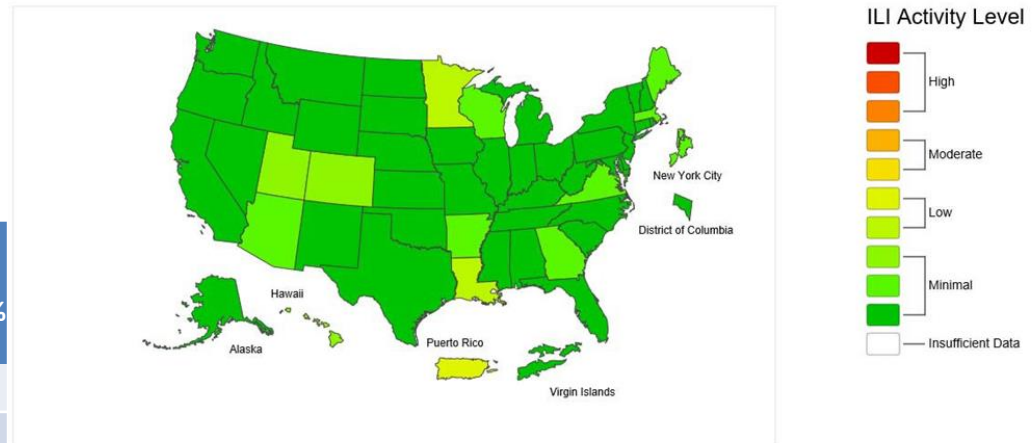
One school had greater than 5% of students absent  
Absenteeism was 0-6%



# 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

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2018-19 Influenza Season Week 20 ending May 18, 2019



SD ILInet Data for past 5 Weeks

Week Ending	# ILI Patients by Age Group					Total ILI	Total Patient Visits	% ILI 0.52%
	0-4	5-24	25-49	50-64	>64			
4/20	58	39	26	10	11	144	14,961	0.96%
4/27	38	34	24	7	16	119	14,910	0.80%
5/4	36	32	11	9	9	97	14,740	0.66%
5/11	31	39	16	8	10	104	15,952	0.65%
5/18	21	34	11	5	11	82	15,739	0.52%

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

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