



WEEKLY INFLUENZA SURVEILLANCE ACTIVITY
DOUGLAS COUNTY, NEBRASKA
 INFLUENZA SEASON 2015-2016
 November 30, 2015

There continues to be minimal influenza activity in Douglas County, with 2 laboratory-confirmed cases reported this week and a total of 10 reported since October 1. Only 2 of these were subtyped, and were influenza type A(H3). With the low prevalence of influenza, the likelihood of false-positive rapid influenza diagnostic tests (RIDTs) remains high due to their low predictive value positive.

All illness indicators, including the percent of outpatient visits with influenza-like illness (ILI), percent of emergency department visits with ILI, and percent of hospital admissions with ILI, remain low. The percent of children absent from school due to illness also remained low (Table 2).

It is too early to predict when influenza activity will increase and what kind of season it will be. It is not too late to vaccinate and DCHD continues to recommend that everyone over the age of 6 months be immunized.

TABLE 1. LABORATORY-CONFIRMED INFLUENZA CASES
 Douglas County, Nebraska

INFLUENZA TYPE	TIME PERIOD		
	CURRENT WEEK ¹	PREVIOUS WEEK ²	FLU SEASON ³
Rapid - A (Not sub-typed)	2	1	6
PCR - A (H3) - Seasonal	0	0	2
Rapid - B	0	0	0
PCR - B	0	0	0
Rapid A/B ⁴ (Not typed)	0	0	2
TOTAL	2	1	10

Figure 1: Number of Positive Influenza Laboratory Reports in Douglas County Residents by Flu Type, 2015-16 Season

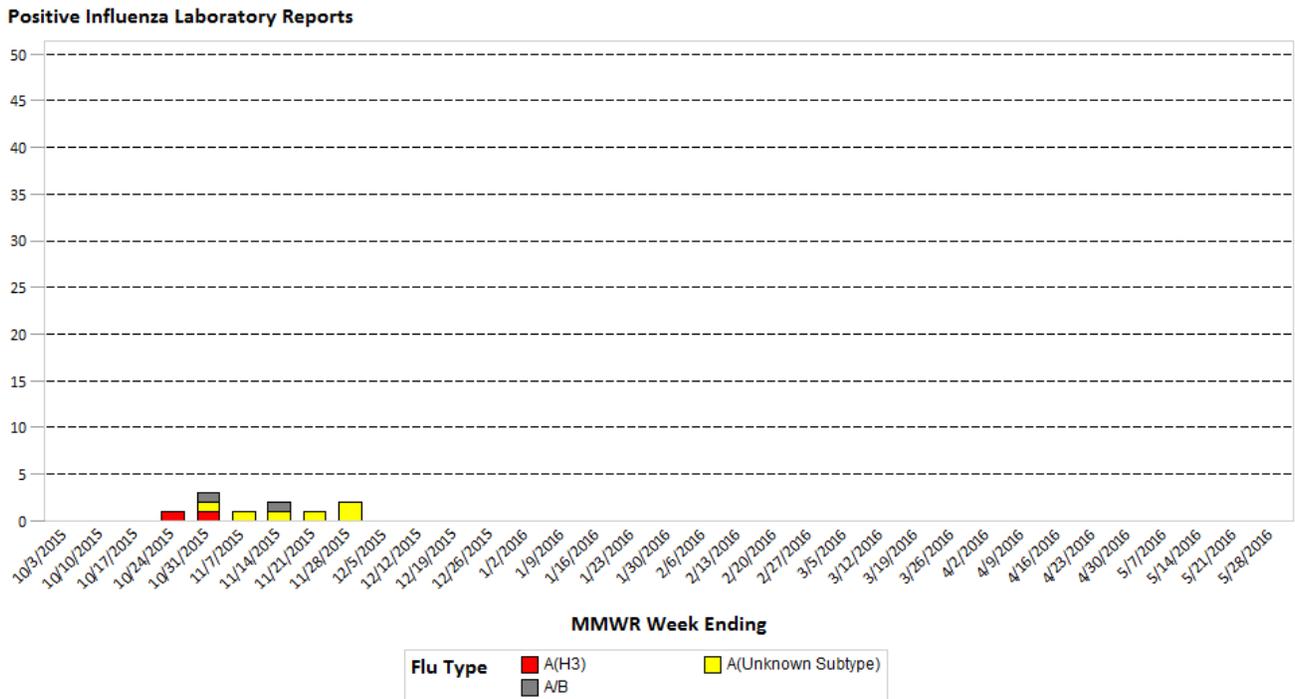


Figure 2: Number and Percentage of Positive Influenza Laboratory Reports in Douglas County Residents by Age Group and Flu Type, Cumulative Total, 2015-16 Season

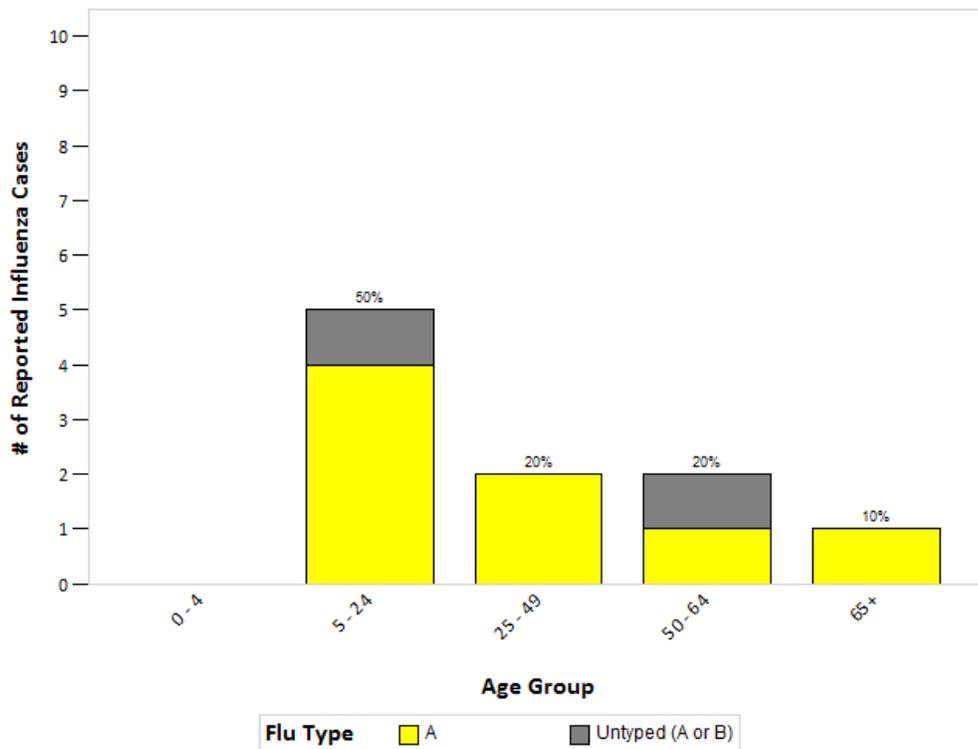


Figure 3: Number and Percentage of Hospital Admissions with Influenza Like Illness in Douglas County Residents by Age Group, Cumulative Total, 2015-16 Season

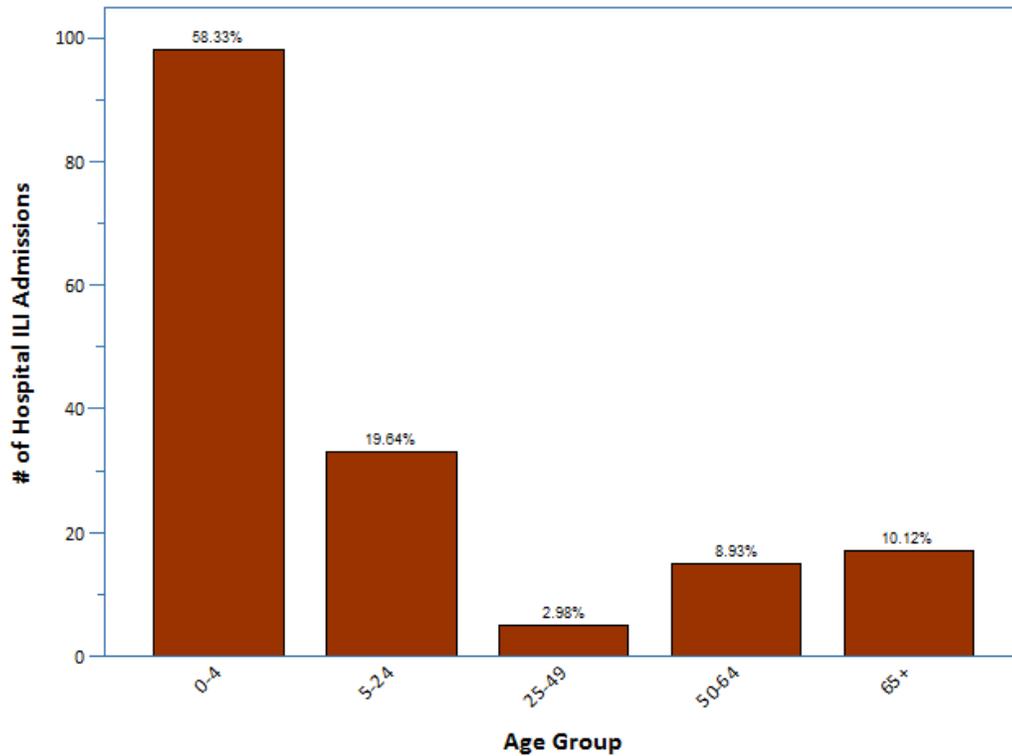


TABLE 2. INFLUENZA SURVEILLANCE STATS

SURVEILLANCE DESCRIPTION	MOST RECENT WEEK	PREVIOUS WEEK
% Percent of outpatient visits with influenza-like illness (ILI) ^{1,2}	0.3%	0.5%
% Percent of emergency department visits with ILI ³	2.4%	2.3%
% Percent of hospitalizations with ILI ³	0.7%	0.8%
# Number of hospitalizations on ventilators with ILI ³	4	6
% Percent Pneumonia & Influenza Deaths (EDRS) ^{3,4}	4.1%	6.9%
# Number of Laboratory-confirmed influenza pediatric deaths ^{3,5}	0	0
% Percent of school absenteeism due to illness ²	0.9%	1.9%
% Percent of RSV tests positive ² (positives/total tests)	0.0%(0/19)	0.0%(0/17)

¹ILI: Influenza-like Illness is defined as a fever of $\geq 100^{\circ}$ F as well as cough and/or sore throat.

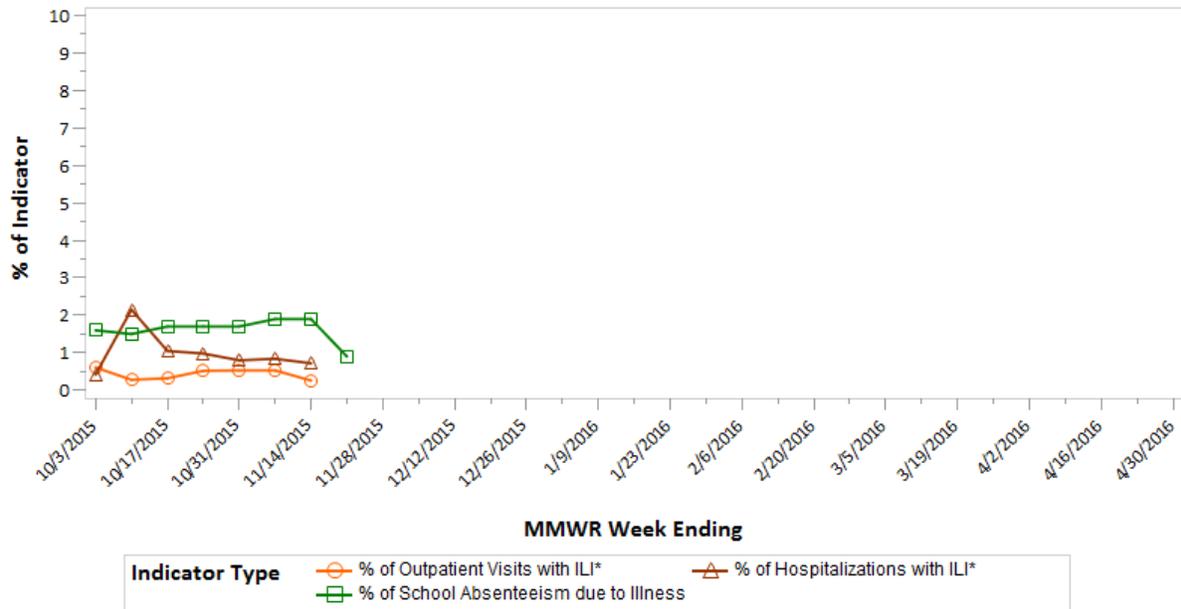
²As of 11/21/2015

³As of 11/14/2015

⁴Nebraska Electronic Death Records

⁵Laboratory-confirmed or cause of death related to influenza

Figure 4: Percent of Influenza Surveillance Indicator by MMWR Week Ending and Indicator Type, 2015-16 Season



*Influenza-Like-Illness (ILI) is defined as a fever of ≥ 100 degrees Fahrenheit as well as cough and/or sore throat.

TABLE 3. REPORTED INFLUENZA CASES BY FLU SEASON AND MONTH
Douglas County, Nebraska

MONTH	FLU SEASON											Total (ALL) N
	2015-2016 N	2014-2015 N	2013-2014 N	2012-2013 N	2011-2012 N	2010-2011 N	2009-2010 N	2008-2009 N	2007-2008 N	2006-2007 N	2005-2006 N	
October	4	23	3	9	0	1	570	1	2	2	0	628
November	6	44	44	19	2	5	171	3	0	1	2	291
December	0	847	291	385	32	7	19	4	2	3	20	1610
January	0	1035	423	1167	64	111	2	15	104	33	51	3005
February	0	603	238	449	99	269	5	59	945	359	158	3184
March	0	742	152	74	117	185	6	261	288	117	139	2081
April	0	228	147	12	19	20	4	100	45	12	19	606
May	0	29	35	1	2	1	1	73	1	6	4	153
June	0	2	4	0	1	0	1	56	8	2	1	75
July	0	1	1	0	0	0	0	87	0	1	0	90
August	0	1	1	0	1	0	1	125	0	1	0	130
September	0	3	1	0	0	0	0	312	0	0	0	316
Total	10	3558	1340	2116	337	599	780	1096	1395	537	394	12169

Links to local graphs, and state and national reports:

Graphs of Current Flu Activity Surveillance (Douglas County, NE)

http://www.douglascountyhealth.com/images/stories/disease/flu/Flu_Week.pdf

Nebraska Weekly Surveillance Activity

http://dhhs.ne.gov/publichealth/Pages/flu_report.aspx

U.S. Weekly Surveillance Activity

<http://www.cdc.gov/flu/weekly/>