

CD Trends

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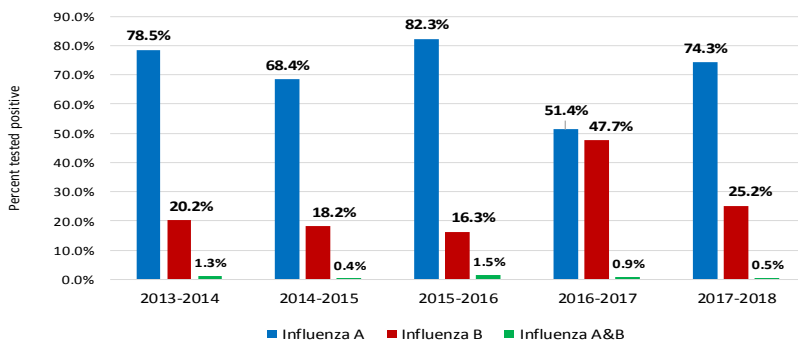
INFLUENZA

Influenza viruses typically circulate in the United States annually, most commonly from late fall through early spring. The single best way to prevent seasonal flu is to get vaccinated. CDC recommends yearly flu vaccination for people 6 months and older without any contraindications. Although CDC recommends to vaccinate by October, it is never too late to get a flu shot during the flu season. It takes about two weeks after vaccination to develop the antibodies that protect you against flu. If you get vaccinated it protects people around you, including those who are more vulnerable to serious flu illness, like infants, young children, older people, or people with certain chronic diseases.

To prevent spread of flu, avoid close contact with the sick, stay home when you are sick, during sneezing and coughing cover your mouth and nose, avoid touching eyes, mouth and nose, wash your hands often, frequently disinfect and clean surfaces touched by the sick, and maintain good health habits.

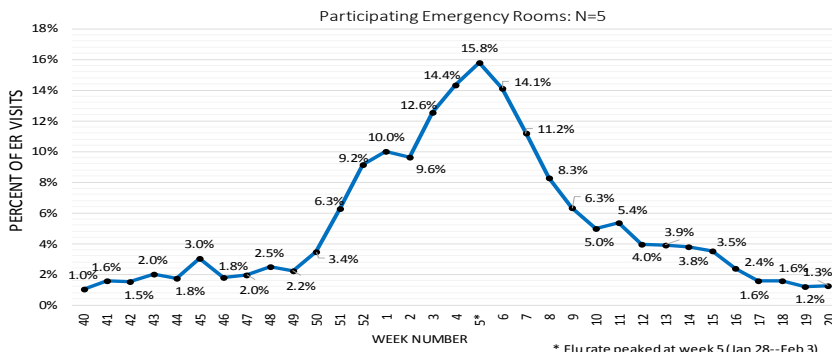
In 2017-18 season, 684 people received flu shots through Kane County Health Department's vaccination program. That season, Kane CHD received reports of 86 cases of ICU admissions and one pediatric death associated with influenza. Also, 22 outbreaks of influenza were reported in long-term care facilities in Kane County. Out of 21,379 specimens tested in 5 area hospitals, 5,870 (27.5%) tested positive for influenza; 74.3% was positive for Influenza A, 25.2% was positive for Influenza B and 0.5% was positive for Influenza A&B (see chart below).

Different types of influenza tested positive between 2013-2018



During 2017-18 flu season, the percent of ER visits due to influenza like illness (ILI) peaked in Week 5 (Jan 28-Feb 3) at 15.8%, and remained above 5% until Week 12, when it decreased to 4% (see chart below). Overall, ILI-related visits accounted for an average of 5.28% of all ER visits. During 2016-2017 season, ILI-related ER visits peaked in Week 7 at 8.8%.

2017-18 Kane County Influenza-Like-Illness Surveillance:
Emergency Room Visits



AT A GLANCE

July—Sept 2018 Work Units

Reportables:

VPDs*— 23
All Other CDs — 182
STDs — 649

Non-reportables#:

STDs — 23
All other CDs — 122

Transfers:

STDs — 218
All other CDs — 153

Outbreaks:

FBI** — 4
Non-FBIs — 0

FBI Complaints: 8

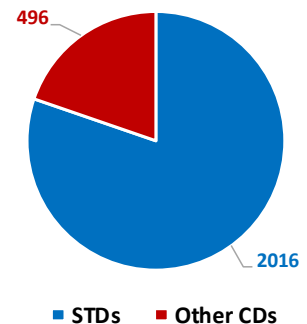
Miscellaneous: 87

* VPD: Vaccine Preventable Disease

** FBI: Foodborne Illness

Non-reportable: Investigations determined as not a case

Total Communicable Diseases
Reported in Jan-Sep, 2018



Diseases	Jan-Sep 2018	Jan-Sep 2017
STDs	2074	2074
Other CDs	496	417

All data in this newsletter reflect Kane County disease trends unless otherwise mentioned.

Kane County Communicable Disease Statistical Report^{1,2}

DISEASE REPORTED	Report Time	Q1 Jan-Mar	Q2 Apr-Jun	Q3 Jul-Sep	Q4 Oct-Dec	YTD 2018	YTD 2017
Vaccine Preventable Diseases							
Haemophilus Influenzae Invasive Disease	24 hour	1	3	2		6	1
Hepatitis A	24 hour	1	0	0		1	0
Hepatitis B Chronic	7 day	10	3	5		18	34
Influenza with ICU Hospitalization	24 hour	65	7	1		73	37
Mumps	24 hour	0	3	5		1	19
Pediatric Influenza Death	24 hour	0	1	0		1	0
Pertussis	24 hour	6	7	4		17	10
Streptococcus Pneumoniae - Non Drug Resistant Invasive Disease (< 5 years)	7 day	0	0	0		0	2
Varicella (Chickenpox)	24 hour	6	5	6		17	22
Other Communicable Diseases							
Anaplasma phagocytophilum (formerly HGA)	7 day	0	0	0		0	1
Brucellosis	24 hour	0	0	1		1	0
Campylobacteriosis	7 day	9	34	31		74	45
Creutzfeldt-Jakob Disease (CJD)	7 day	1	0	0		1	1
Cryptosporidiosis	7 day	1	0	2		3	6
Cyclosporiasis	7 day	0	0	34		34	0
Hepatitis A	24 hour	1	0	0		1	1
Hepatitis C Virus Acute Infection	7 day	1	1	0		2	1
Hepatitis C Virus Chronic Infection	7 day	23	39	31		93	122
Histoplasmosis	7 day	0	1	0		1	4
Legionellosis - Legionnaires Disease	7 day	0	2	9		11	14
Listeria Invasive Disease	7 day	0	0	0		0	0
Lyme Disease	7 day	1	1	10		12	6
Malaria	7 day	0	1	3		4	2
MRSA in Infants less than 61 days	24 hour	1	1	1		3	7
Rabies, Potential Human Exposure	24 hour	1	9	17		27	26
Salmonellosis	7 day	9	16	23		48	33
Shiga toxin-producing E. coli (STEC)- Shiga toxin positive, non-O157 serotype	24 hour	1	0	2		3	1
Shiga toxin-producing E. coli (STEC)- O157:H7	24 hour	0	1	3		4	0
Shigellosis	7 day	1	2	0		3	7
Spotted Fever Rickettsioses	7 day	1	0	0		1	0
Streptococcal Disease Invasive Group A	24 hour	5	2	2		9	8
Streptococcal Toxic Shock Syndrome	24 hour	1	2	0		3	3
Toxic Shock Syndrome due to S. aureus	7 day	0	0	0		0	1
Tuberculosis	7 day	1	3	4		8	8
Typhus Murine	24 hour	0	0	1		1	0
Vibriosis	7 day	0	0	1		1	0
West Nile Virus Neuroinvasive Disease	7 day	0	0	3		3	1
West Nile Virus Non-Neuroinvasive Disease	7 day	0	0	3		3	1
Yersiniosis	7 day	0	0	1		1	0
Zika Virus Disease	7 day	0	0	0		0	1
STDs and HIV/AIDS							
Chlamydia	7 day	551	585	553		1689	1664
Gonorrhea	7 day	95	125	95		315	387
Syphilis	7 day	9	2	1		12	23
HIV/AIDS*	7 day						

¹ Includes confirmed and probable cases. Data retrieved from Illinois National Electronic Disease Surveillance System (INEDSS)

² Data are provisional and subject to change. * Data not available at time of publishing