



The McHenry County Department of Health (MCDH) Communicable Disease program collects monthly report data on all Illinois Reportable Diseases as defined by the Illinois Department of Public Health (IDPH). This report summarizes the incident cases of all IDPH notifiable conditions during 2017. The frequency of incident cases are reported for each month. Incident cases include both probable and confirmed cases.

The 2017 total (2017 Annual Total) for each condition is calculated as the sum of the frequency of incident cases for all months. The 2017 annual rate for each condition (2017 Annual Rate) is reported as the annual rate of disease per 100,000 population (the 2010 McHenry County census estimate of 308,760 people was used in all calculations).

Reportable conditions are separated by disease category (arboviral infections, gastrointestinal illness, sexually transmitted diseases, tick borne diseases, vaccine preventable diseases, and other diseases). The sum of the 2017 totals for each condition are reported for each category and was used to calculate the annual rate of disease per 100,000 population for each disease category. Annual totals for each disease category from 2013 – 2016 were used to calculate Annual Rate (per 100,000 population) for each year. These were graphed to show trends in Annual Rate for each disease category from 2013 – 2017.



Table 1. Arboviral Infections	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Annual Total	2017 Annual Rate
California Encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Chikungunya Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Dengue Fever	0	0	0	0	0	0	0	1	0	0	0	0	1	0.3
St. Louis Encephalitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
West Nile: Neuroinvasive	0	0	0	0	0	0	0	4	0	0	0	0	4	1.3
West Nile: Non-neuroinvasive	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Zika: Congenital	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Zika: Non-congenital	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	0	5	0	0	0	0	5	1.6						

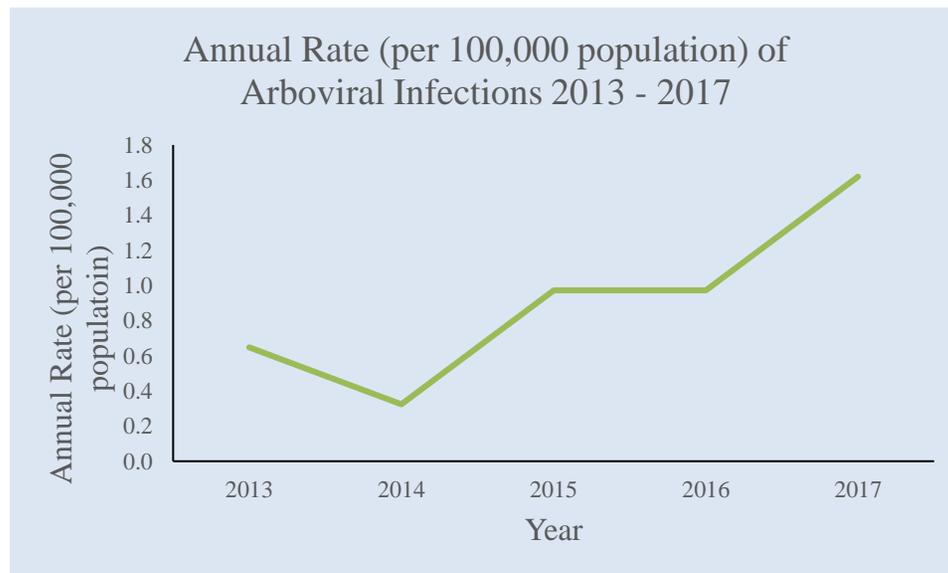


Figure 1. Arboviral Infections. Note: Zika (congenital and non-congenital) added to notifiable conditions in 2016



Table 2. Gastrointestinal Illness	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Annual Total	2017 Annual Rate
Campylobacteriosis	2	0	5	4	8	8	8	10	1	7	3	6	62	20.1
Cholera*	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Escherichia coli Infections	0	0	2	1	2	1	0	1	2	0	0	1	10	3.2
Salmonellosis	3	2	6	7	7	11	6	2	1	5	1	6	57	18.5
Shigellosis	0	0	0	0	0	1	0	1	0	0	0	0	2	0.6
Vibriosis**	0	0	0	3	0	0	0	1	0	0	1	0	5	1.6
Yersiniosis	0	0	0	0	0	0	0	1	0	0	0	0	1	0.3
Total	5	2	13	15	17	21	14	16	4	12	5	13	137	44.4

*Toxigenic vibrio cholerae O1 or O139

**Other than Toxigenic Vibrio Cholera O1 or O139

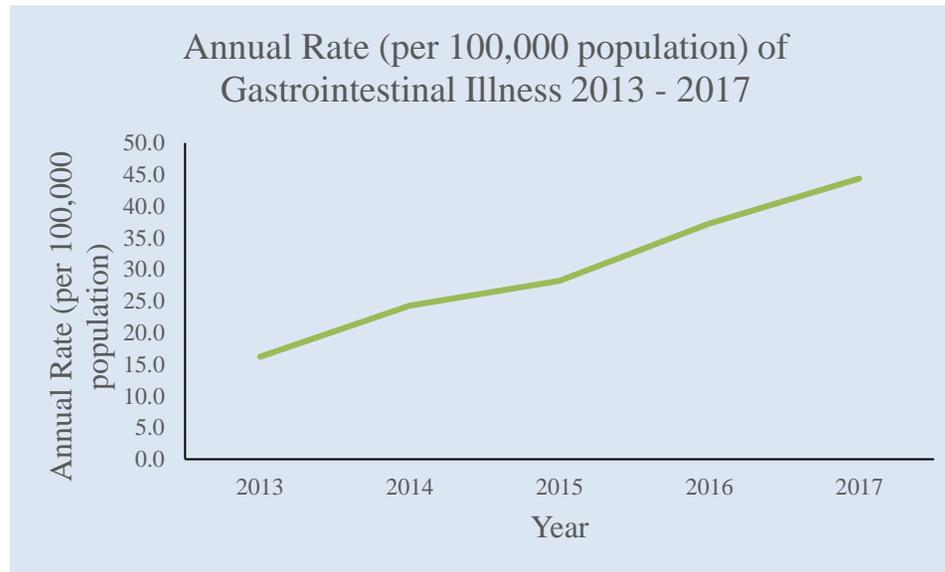


Figure 2. Gastrointestinal Illness. Note: Giardiasis removed from notifiable conditions after 2014, Campylobacteriosis added to notifiable conditions in 2016



Table 3. Sexually Transmitted Diseases	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Annual Total	2017 Annual Rate
Chancroid	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Chlamydia	69	62	77	46	57	65	66	82	66	65	59	65	779	252.3
Gonorrhea	5	8	12	7	5	10	9	11	10	10	4	5	96	31.1
Syphilis	0	1	1	1	1	0	1	0	2	2	3	1	13	4.2
Total	75	72	92	55	63	77	77	96	83	78	66	71	905	293.1

*AIDS/HIV Infection is also a reportable condition and included in the calculation of monthly and annual totals

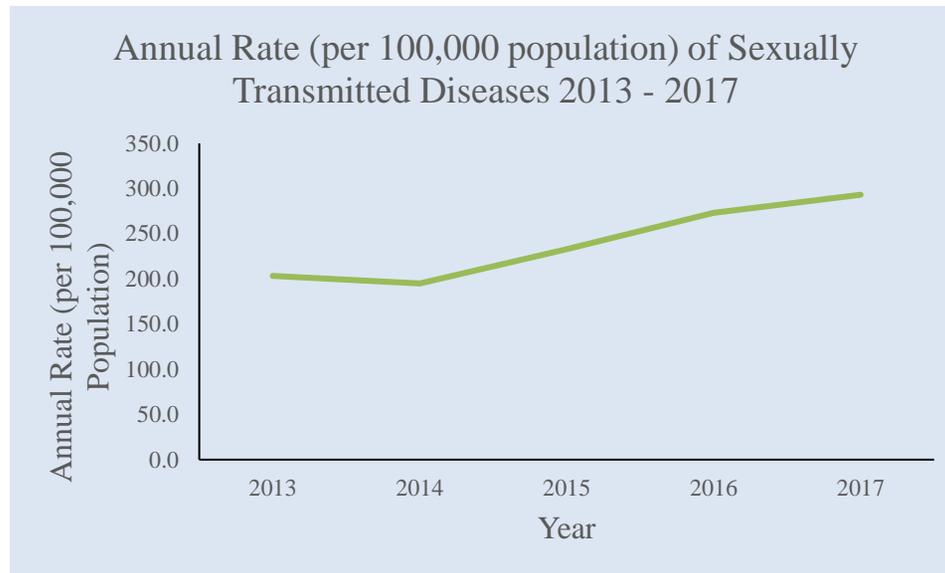


Figure 3. Sexually Transmitted Diseases.



Table 4. Tick Borne Diseases	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Annual Total	2017 Annual Rate
Anaplasmosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Babesiosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Ehrlichiosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Lyme Disease	1	0	0	1	1	8	7	2	2	1	3	4	30	9.7
Rocky Mountain Spotted Fever	0	0	0	0	0	0	0	0	0	1	0	0	1	0.3
Total	1	0	0	1	1	8	7	2	2	2	3	4	31	10.0

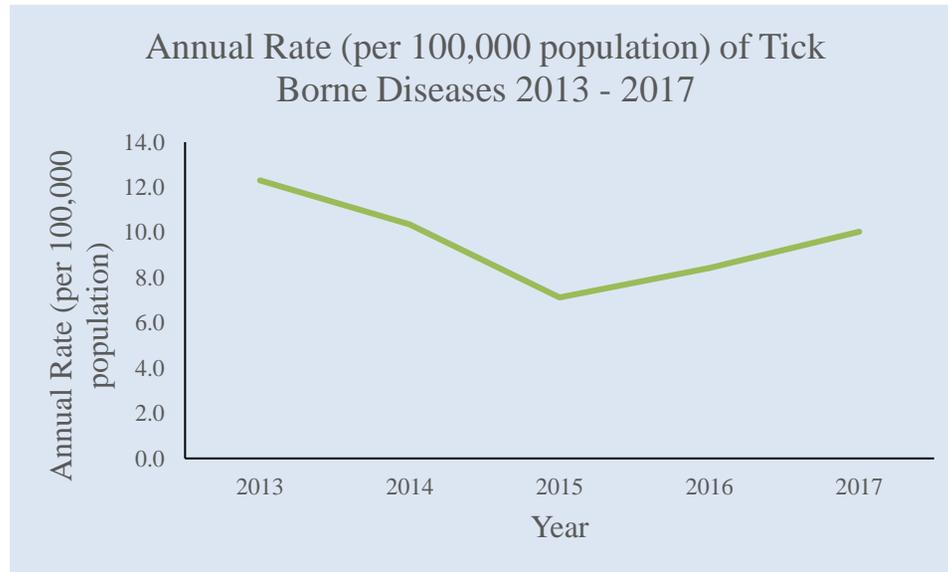


Figure 4. Tick Borne Diseases.



Table 5. Vaccine Preventable Diseases	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Annual Total	2017 Annual Rate
Chickenpox	2	1	7	3	0	0	0	0	1	4	5	1	24	7.8
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Haemophilus influenzae*	0	0	0	0	1	1	0	0	1	0	0	1	4	1.3
Hepatitis A	0	0	1	0	0	0	0	1	0	0	0	0	2	0.6
Hepatitis B	1	1	3	1	1	3	3	2	2	1	0	0	18	5.8
Influenza A, variant virus	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Influenza with ICU admission	1	9	5	2	0	0	0	1	0	1	1	7	27	8.7
Influenza, death in ≤ 18 year olds	0	0	0	0	0	0	0	1	0	0	0	0	1	0.3
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mumps	0	3	2	0	6	2	1	0	0	0	0	0	14	4.5
Neisseria meningitidis**	0	0	0	0	0	0	0	0	0	0	1	0	1	0.3
Pertussis	3	1	3	7	3	0	2	1	1	3	13	7	44	14.3
Rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Smallpox	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	7	15	21	13	11	6	6	6	5	9	20	16	135	43.7

*Haemophilus influenzae, meningitis, & other invasive disease

**Neisseria meningitidis, meningitis and invasive disease

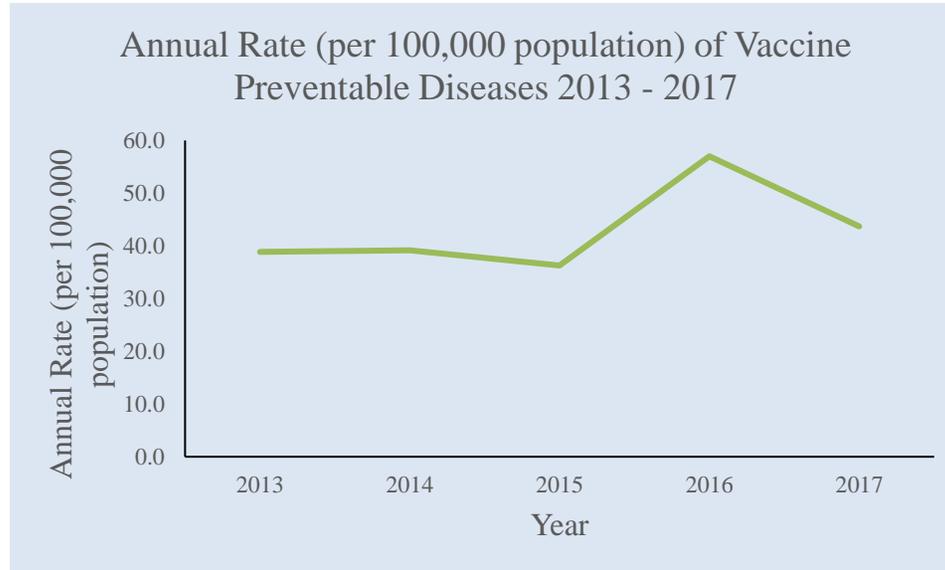


Figure 5. Vaccine Preventable Diseases.



Table 6. Other Diseases*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2017 Annual Total	2017 Annual Rate
Acute Flaccid Myelitis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Botulism: foodborne	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Cryptosporidiosis	0	2	1	1	1	0	0	1	0	0	0	0	6	1.9
Cyclosporiasis	0	0	0	0	0	0	1	0	0	0	0	0	1	0.3
Hemolytic Uremic Syndrome, Post-diarrheal	0	0	1	0	0	0	0	0	0	0	0	0	1	0.3
Hepatitis C	7	8	6	9	10	5	10	9	10	11	9	7	101	32.7
Histoplasmosis	1	0	0	0	0	0	0	0	0	2	0	0	3	1.0
Legionellosis	0	0	0	0	0	0	2	0	0	1	0	0	3	1.0
Listeriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Malaria	0	0	0	0	0	0	1	0	0	0	0	0	1	0.3
MRSA in infants under 61 days	0	1	0	0	0	0	0	0	1	0	0	0	2	0.6
Q Fever	0	0	0	0	1	0	0	0	0	0	0	0	1	0.3
Rabies, Human (Potential Exposure)	0	1	1	1	4	6	6	16	2	2	1	0	40	13.0
Streptococcal Infections, Group A, Invasive Disease	2	2	1	0	1	0	1	0	0	0	1	2	10	3.2
Streptococcus Pneumoniae, Invasive Disease**	0	0	0	0	1	0	0	1	0	1	0	0	3	1.0
Tuberculosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	10	14	10	11	18	11	21	27	13	17	11	9	172	55.7

*The following reportable conditions have had no reportable cases in 2013-2017 and are not included in the above table: Anthrax; Botulism: infant, wound, other; Brelcellosis; Creutzfeldt-Jakob Disease; Free living amebae infections; Hantavirus Pulmonary Syndrome; Hepatitis D; Leprosy; Leptosporosis; MRSA community cluster; Plague; Plague; Poliomyelitis; Psittacosis (due to Chlamydia Psittaci); Rabies, Human; Reye Syndrome; SARS; Toxic Shock Syndrome (due to staph aureus); Trichinosis; Tularemia; Typhoid Fever; Typhus; VISA/VRSA; Viral Hemorrhagic Fevers

**In children less than 5 years



Notifiable Conditions Report 2017

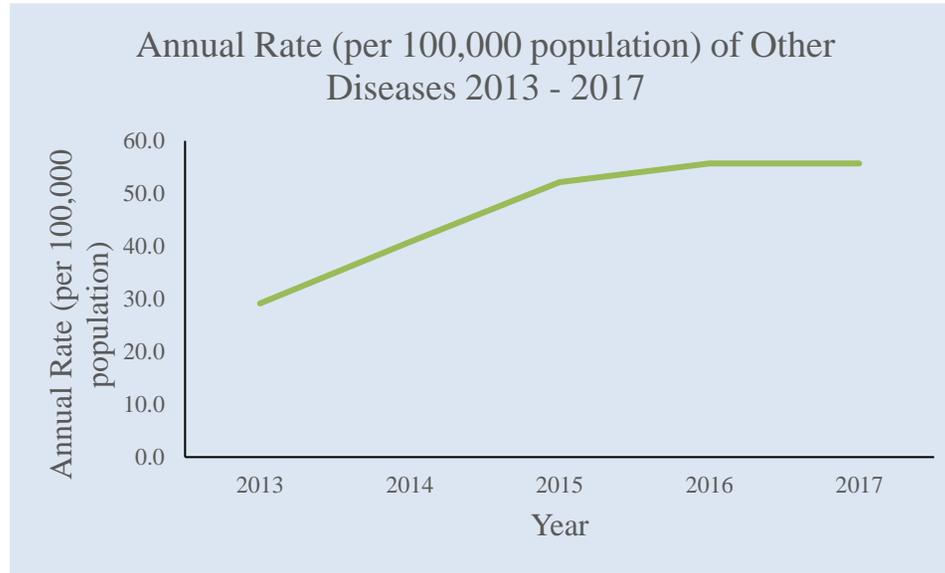


Figure 6. Other Diseases