



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 2016. The frequency of incident cases are reported for each month. Incident cases include both probable and confirmed cases.

The 2016 total (2016 Annual Total) for each condition is calculated as the sum of the frequency of incident cases for all months. The 2016 annual rate for each condition (2016 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 2016 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 – 2015 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 – 2016.



Table 1. Arboviral Infections	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2016 Annual Total	2016 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	0	0	0	0	0	0	0.0
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	1	0	0	0	0	1	0.3
West Nile: Non-neuroinvasive	0	0	0	0	0	0	0	0	0	1	0	0	1	0.3
Zika: Congenital*			0	0	0	0	0	0	0	0	0	0	0	0.0
Zika: Non-congenital*			0	0	0	0	0	0	0	1	0	0	1	0.3
Total	0	1	0	2	0	0	3	1.0						

*Zika (congenital and non-congenital) added to notifiable conditions in February 2016

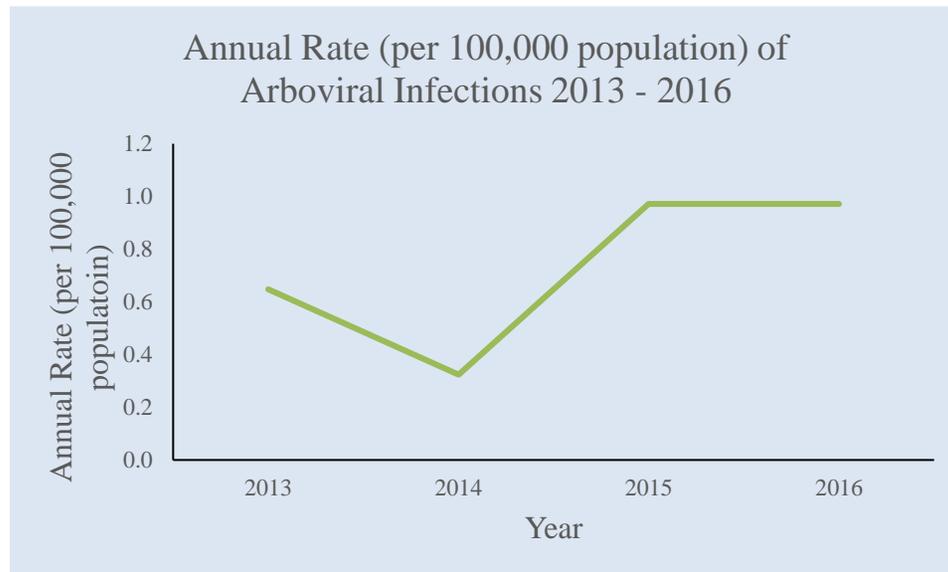


Figure 1. Arboviral Infections. Note: Zika (congenital and non-congenital) added to notifiable conditions in 2016



Table 2. Gastrointestinal Illness	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2016 Annual Total	2016 Annual Rate
Campylobacteriosis	3	5	2	1	5	1	7	7	2	3	4	0	40	13.0
Cholera*	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Escherichia coli Infections	1	0	0	0	0	3	2	2	0	0	0	0	8	2.6
Salmonellosis	1	3	4	2	4	5	3	6	4	9	3	4	48	15.5
Shigellosis	3	3	6	1	1	1	1	1	0	0	0	1	18	5.8
Vibriosis**	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Yersiniosis	0	0	1	0	0	0	0	0	0	0	0	0	1	0.3
Total	8	11	13	4	10	10	13	16	6	12	7	5	115	37.2

*Toxigenic vibrio cholerae O1 or O139

**Other than Toxigenic Vibrio Cholera O1 or O139

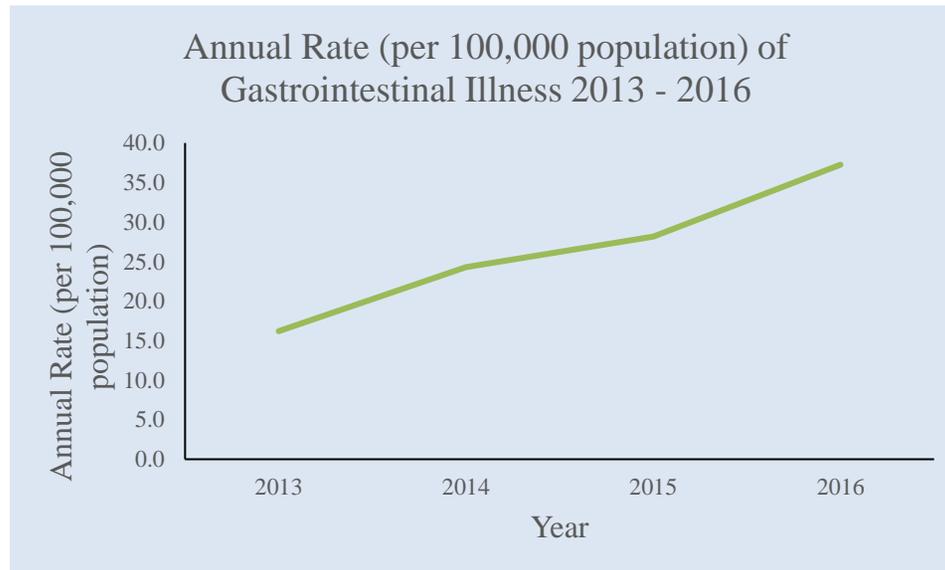


Figure 2. Gastrointestinal Illness. Note: Giardiasis removed from notifiable conditions after 2014, Campylobacteriosis added to notifiable conditions in 2016



Notifiable Conditions Report 2016

Table 3. Sexually Transmitted Diseases	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2016 Annual Total	2016 Annual Rate
Chancroid	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Chlamydia	65	57	56	48	53	58	50	75	65	74	55	70	726	235.1
Gonorrhea	8	9	4	7	5	6	7	10	13	6	10	9	94	30.4
Syphilis	0	1	2	2	2	1	0	2	1	0	2	1	14	4.5
Total	73	68	63	58	60	65	57	88	81	81	68	81	843	273.0

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

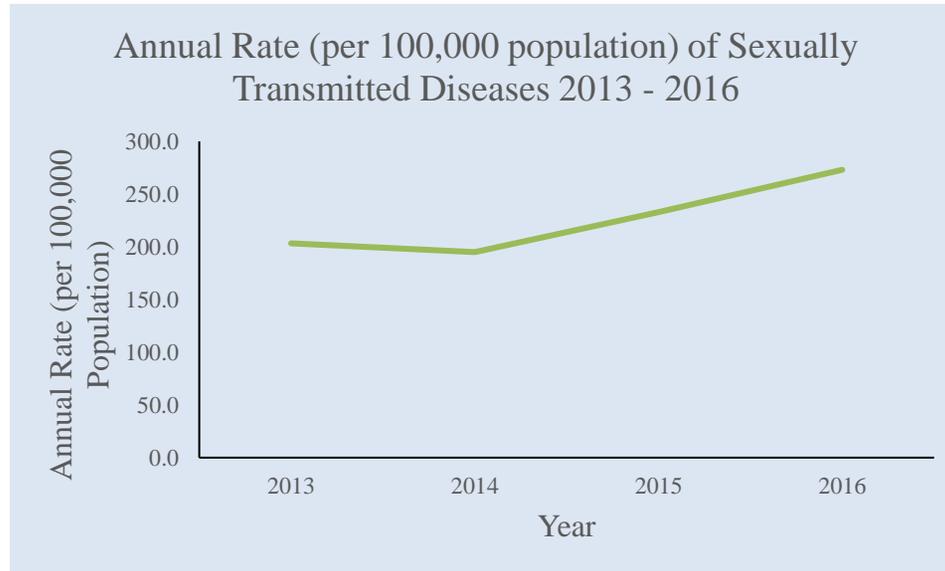


Figure 3. Sexually Transmitted Diseases.



Notifiable Conditions Report 2016

Table 4. Tick Borne Diseases	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2016 Annual Total	2016 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	1	0	0	0	0	0	0	1	0.3
Lyme Disease	2	2	1	0	0	11	5	2	0	0	0	1	24	7.8
Rocky Mountain Spotted Fever	0	0	0	0	0	0	0	0	0	0	1	0	1	0.3
Total	2	2	1	0	0	12	5	2	0	0	1	1	26	8.4

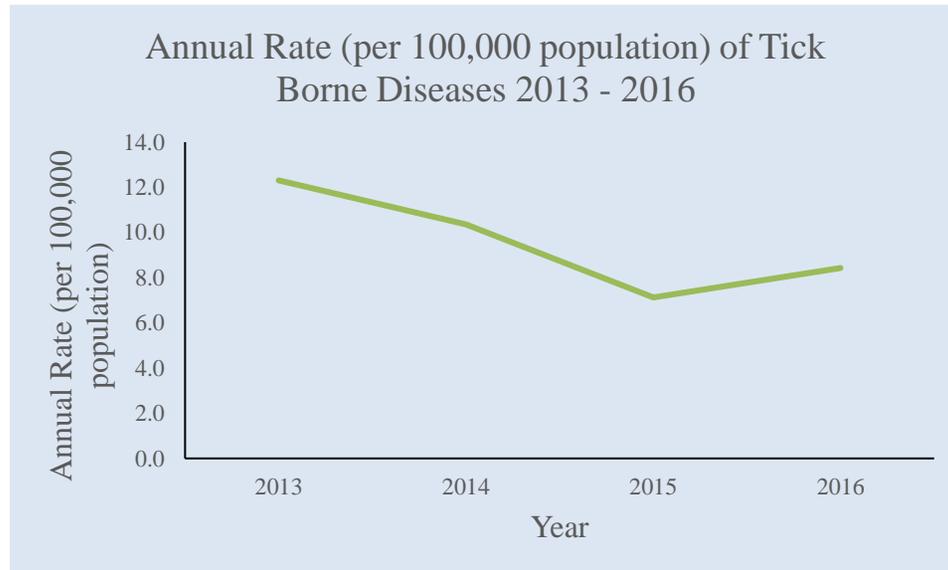


Figure 4. Tick Borne Diseases.



Notifiable Conditions Report 2016

Table 5. Vaccine Preventable Diseases	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2016 Annual Total	2016 Annual Rate
Chickenpox	3	3	1	5	1	6	0	7	0	7	2	1	36	11.7
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Haemophilus influenzae*	1	1	0	0	0	0	1	0	0	1	1	2	7	2.3
Hepatitis A	0	0	0	0	0	1	0	0	0	0	0	0	1	0.3
Hepatitis B	0	0	1	0	1	1	0	2	2	4	1	1	13	4.2
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	11	2	0	0	0	0	0	0	0	1	24	7.8
Influenza, death in ≤ 18 year olds	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Mumps	1	0	0	1	1	0	0	1	0	0	0	0	4	1.3
Neisseria meningitidis**	0	0	1	0	0	0	0	0	0	0	0	0	1	0.3
Pertussis	14	5	5	4	6	8	4	6	6	20	6	6	90	29.1
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	20	18	19	12	9	16	5	16	8	32	10	11	176	57.0

*Haemophilus influenzae, meningitis, & other invasive disease

**Neisseria meningitidis, meningitis and invasive disease



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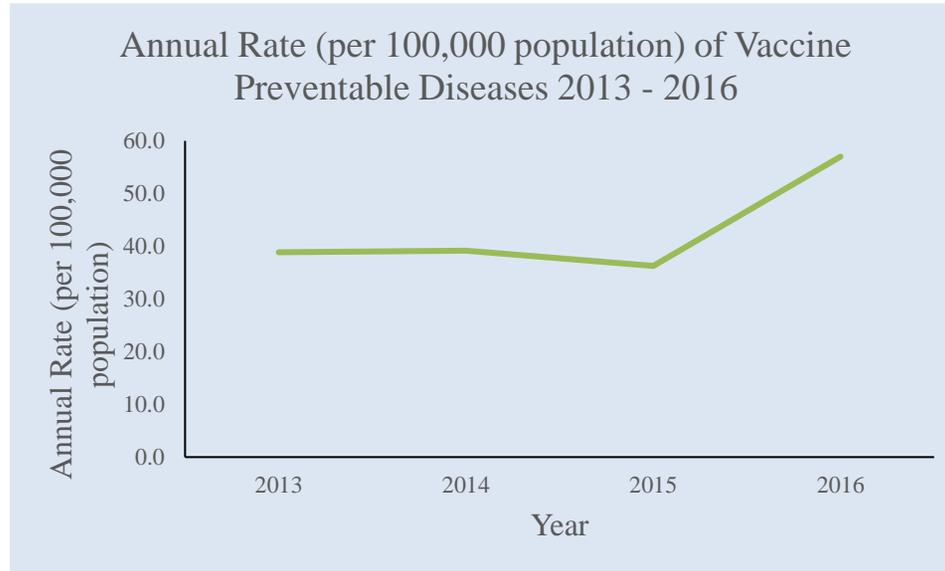


Figure 5. Vaccine Preventable Diseases.



Table 6. Other Diseases*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2016 Annual Total	2016 Annual Rate
Acute Flaccid Myelitis	0	0	0	0	0	0	0	1	0	0	0	0	1	0.3
Botulism: foodborne	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Cryptosporidiosis	0	1	1	1	1	0	3	4	3	0	2	1	17	5.5
Cyclosporiasis	0	0	0	0	0	0	0	0	1	0	0	0	1	0.3
Hepatitis C	12	13	11	13	4	10	5	4	6	7	8	12	105	34.0
Histoplasmosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Legionellosis	1	0	1	0	0	0	3	2	0	2	0	1	10	3.2
Listeriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
MRSA in infants under 61 days	1	0	0	0	0	0	0	0	0	0	0	0	1	0.3
Rabies, Human (Potential Exposure)	4	0	1	1	4	5	2	7	0	0	2	0	26	8.4
Streptococcal Infections, Group A, Invasive Disease	1	0	3	0	0	1	0	0	0	4	0	0	9	2.9
Streptococcus Pneumoniae, Invasive Disease**	0	0	0	0	0	0	0	0	0	0	1	0	1	0.3
Tuberculosis	0	0	0	0	0	0	0	1	0	0	0	0	1	0.3
Total	19	14	17	15	9	16	13	19	10	13	13	14	172	55.7

*The following reportable conditions have had no reportable cases in 2013-2016 and are not included in the above table: Anthrax; Botulism: infant, wound, other; Brecellosis; Creutzfeldt-Jakob Disease; Free living amebae infections; Hantavirus Pulmonary Syndrome; Hemolytic Uremic Syndrome, Post-diarrheal; Hepatitis D; Leprosy; Leptosporosis; MRSA community cluster; Plague; Plague; Poliomyelitis; Psittacosis (due to Chlamydia Psittaci); Q Fever; 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 2016

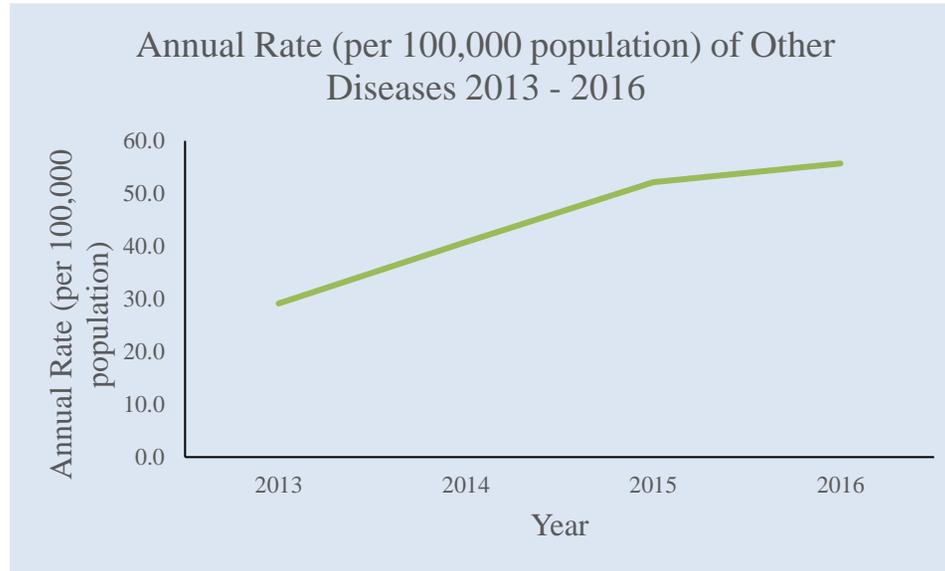


Figure 6. Other Diseases