



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 2015. The frequency of incident cases are reported for each month. Incident cases include both probable and confirmed cases.

The 2015 total (2015 Annual Total) for each condition is calculated as the sum of the frequency of incident cases for all months. The 2015 annual rate for each condition (2015 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 2015 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 – 2014 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 – 2015.



Notifiable Conditions Report 2015

Table 1. Arboviral Infections	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Annual Total	2015 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	1	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	0	2	0	0	0	2	0.6
West Nile: Non-neuroinvasive	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	0	0	0	0	0	0	0	0	3	0	0	0	3	1.0

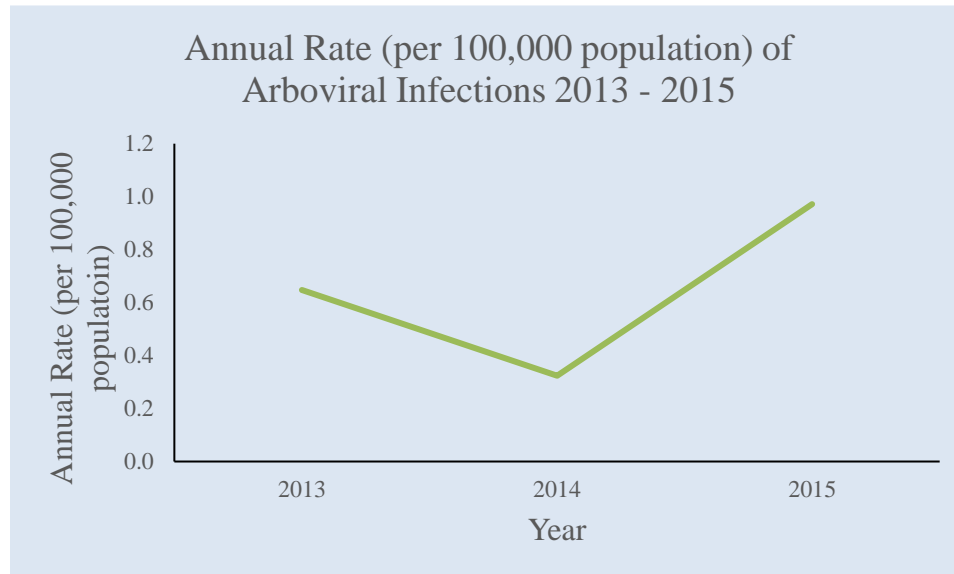


Figure 1. Arboviral Infections.



Table 2. Gastrointestinal Illness	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Annual Total	2015 Annual Rate
Cholera*	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Escherichia coli Infections	3	0	1	1	0	0	0	0	1	1	0	1	8	2.6
Salmonellosis	4	2	7	3	5	5	16	5	13	3	3	2	68	22.0
Shigellosis	0	0	2	0	0	1	0	0	1	0	1	4	9	2.9
Vibriosis**	0	0	0	0	0	0	0	2	0	0	0	0	2	0.6
Yersiniosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Total	7	2	10	4	5	6	16	7	15	4	4	7	87	28.2

*Toxigenic vibrio cholerae O1 or O139

**Other than Toxigenic Vibrio Cholera O1 or O139

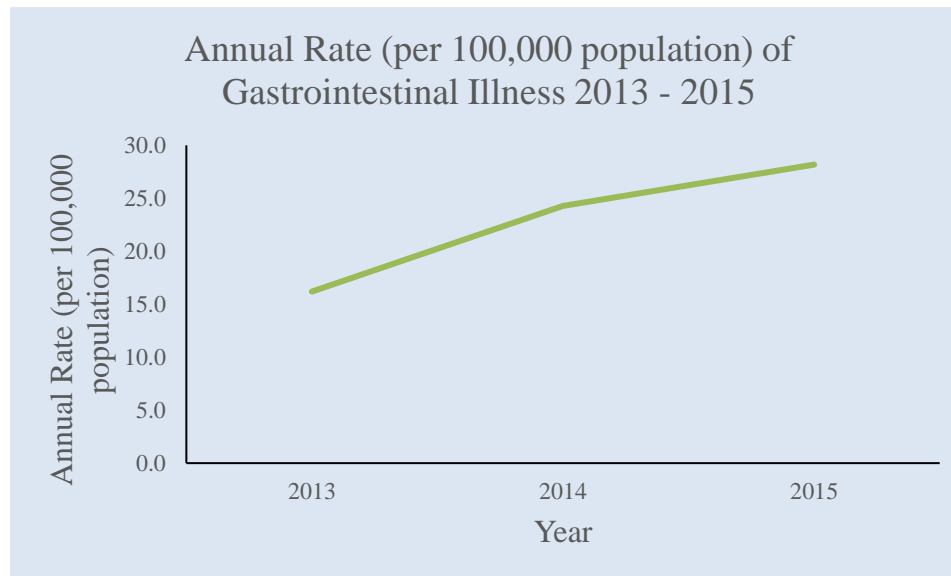


Figure 2. Gastrointestinal Illness. Note: Giardiasis removed from notifiable conditions after 2014



Notifiable Conditions Report 2015

Table 3. Sexually Transmitted Diseases	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Annual Total	2015 Annual Rate
Chancroid	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Chlamydia	49	58	54	62	46	48	50	56	56	57	62	43	641	207.6
Gonorrhea	2	4	3	6	1	7	8	5	9	9	5	4	63	20.4
Syphilis	2	1	2	1	2	0	0	0	1	0	1	2	12	3.9
Total	53	63	59	72	49	55	58	61	66	66	68	49	719	232.9

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

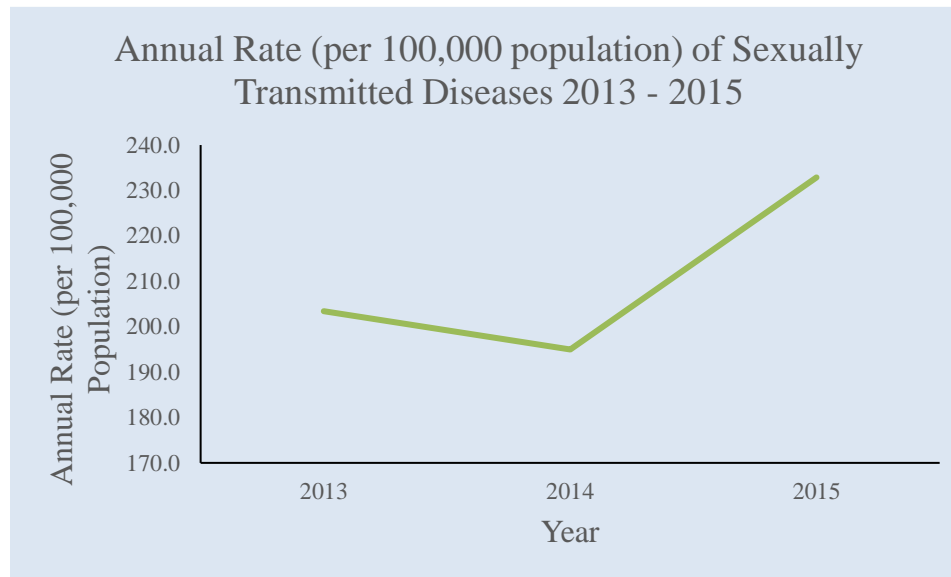


Figure 3. Sexually Transmitted Diseases.



Notifiable Conditions Report 2015

Table 4. Tick Borne Diseases	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Annual Total	2015 Annual Rate
Anaplasmosis	0	0	1	0	0	0	0	0	0	0	0	0	1	0.3
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	0	0	0	0	0	8	9	0	3	0	0	0	20	6.5
Rocky Mountain Spotted Fever	0	0	0	0	0	0	0	0	1	0	0	0	1	0.3
Total	0	0	1	0	0	8	9	0	4	0	0	0	22	7.1

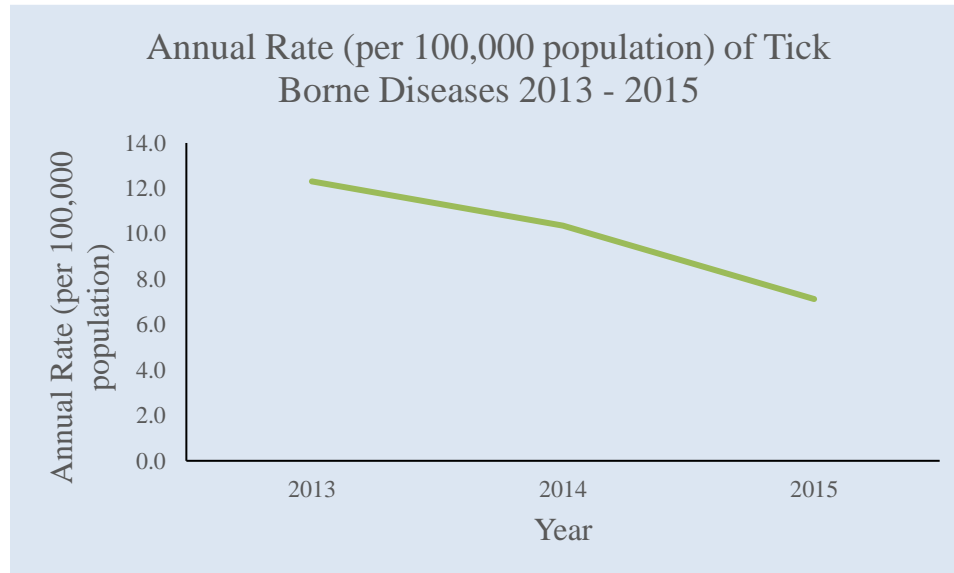


Figure 4. Tick Borne Diseases.



Table 5. Vaccine Preventable Diseases	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Annual Total	2015 Annual Rate
Chickenpox	1	2	0	0	0	1	0	0	4	0	3	0	11	3.6
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Haemophilus influenzae*	1	0	0	2	0	2	1	0	0	1	1	2	10	3.2
Hepatitis A	0	0	0	0	0	0	1	0	0	0	0	1	2	0.6
Hepatitis B	3	4	0	1	1	1	1	0	1	0	1	1	14	4.5
Influenza A, variant virus	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
Influenza with ICU admission	0	1	2	1	0	0	0	0	1	0	0	0	5	1.6
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	0	0	0	0	0	0	0	0	1	0	0	0	1	0.3
Neisseria meningitidis**	1	0	0	0	1	0	0	0	0	0	0	0	2	0.6
Pertussis	3	5	5	4	3	4	3	4	6	6	8	16	67	21.7
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	9	12	7	8	5	8	6	4	13	7	13	20	112	36.3

*Haemophilus influenzae, meningitis, & other invasive disease

**Neisseria meningitidis, meningitis and invasive disease



Notifiable Conditions Report 2015

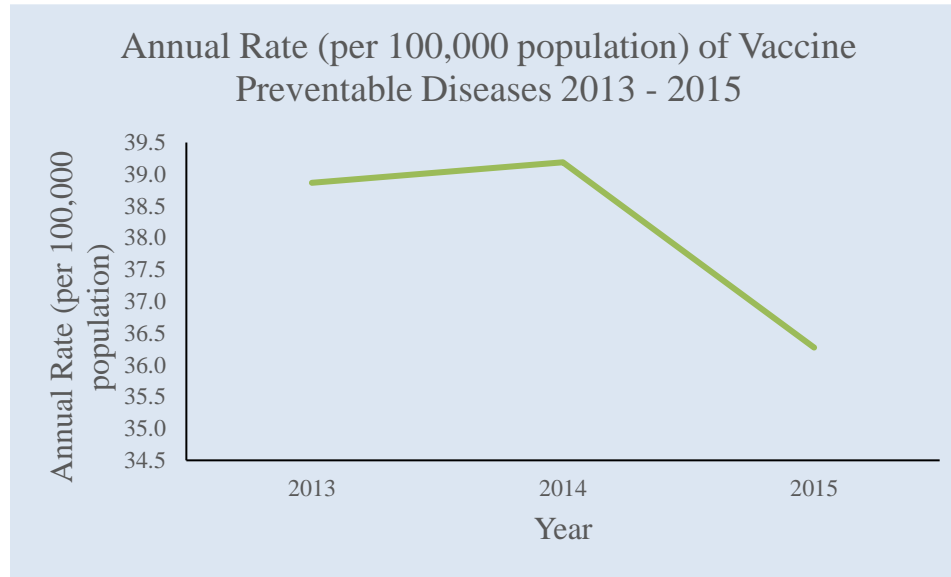


Figure 5. Vaccine Preventable Diseases.



Table 6. Other Diseases*	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	2015 Annual Total	2015 Annual Rate
Botulism: foodborne	0	0	0	2	0	0	0	0	0	0	0	0	2	0.6
Cryptosporidiosis	1	0	2	0	0	1	0	1	0	0	1	1	7	2.3
Cyclosporiasis	0	0	0	0	0	0	1	0	0	0	0	0	1	0.3
Hepatitis C	6	13	6	12	13	9	9	9	5	7	7	7	103	33.4
Histoplasmosis	0	0	1	0	0	0	0	0	0	0	1	0	2	0.6
Legionellosis	0	0	0	0	0	0	1	0	2	0	0	0	3	1.0
Listeriosis	0	0	0	0	0	0	1	0	0	0	0	0	1	0.3
Malaria	0	0	0	0	0	0	0	1	0	0	0	0	1	0.3
MRSA in infants under 61 days	0	0	0	1	0	1	0	0	0	0	0	0	2	0.6
Rabies, Human (Potential Exposure)	1	3	0	3	2	0	4	10	6	1	0	2	32	10.4
Streptococcal Infections, Group A, Invasive Disease	0	0	0	0	0	0	0	0	1	0	1	2	4	1.3
Streptococcus Pneumoniae, Invasive Disease**	0	0	1	0	1	0	0	0	0	0	0	0	2	0.6
Tuberculosis	0	0	0	0	1	0	0	0	0	0	0	0	1	0.3
Total	8	16	10	18	17	11	16	21	14	8	10	12	161	52.1

*The following reportable conditions have had no reportable cases in 2013-2015 and are not included in the above table: Acute Flaccid Myelitis; 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 2015

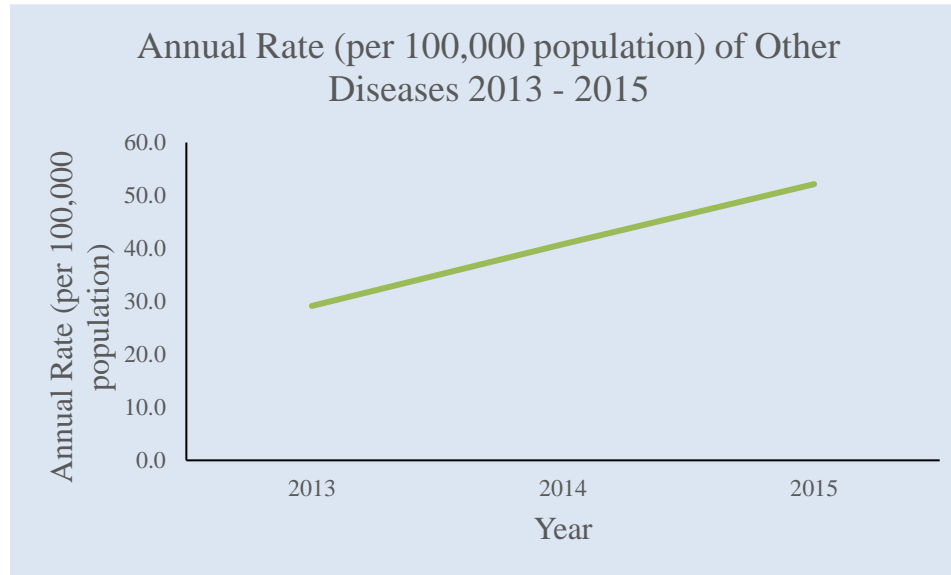


Figure 6. Other Diseases