

NURSING DIVISION

COMMUNICABLE DISEASE			
Tuberculosis			
Cases Identified:			
0	Active (newly identified)		
2	Receiving directly observed treatment (DOT)		
9	Video DOT visits		
0	Latent TB identified		
3	Clients started on LTBI		
6	Interferon-Gamma Released Assays (IGRA)		
28	TB Skin Tests performed		
CD/STD/HIV			
	Total reportable infectious diseases investigated (53 confirmed cases)		
18	Reports received that were transferred out of McHenry County (note: this number does not include transfers for COVID-19)		
3	Closed outbreaks identified, resulting in 105 ill		
	Outbreaks:		
	Norovirus: 1 Ill: 24	COVID 19: 2 Ill: 81	
9	Open Outbreaks		
	Open Outbreaks:		
	Covid 19: 2	Scabies: 2	Mycoplasma Pneumonia: 1
	AGE: 1		
	Norovirus: 2	Pertussis: 1	
	Reportable STDs investigated		
30	STD Clinic Tests	5	STD Clinic Treatments
19	County residents reached through 4 presentations and outreach efforts		

MATERNAL CHILD			
SERVICES	Sept-24	Oct-24	Nov-24
High Risk Infant Caseload	34	32	32
DCFS \leq 6 years caseload	117	123	112
DCFS \geq 6 years caseload	94	100	99
LEAD	Sept-24	Oct-24	Nov-24
Risk Assessments	12	9	4
Blood Lead Tests	10	7	4
Open Elevated Lead Cases	12	17	12
Open Capillary pending venous cases	2	5	2
New confirmed Venous Cases	2	1	1

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Closed Lead Cases	2	3	6
Home Visits	2	2	0
Referral to IDPH Environmental	2	2	1
Outreach	0	0	0
IMMUNIZATION			
Category	Sept-24	Oct-24	Nov-24
Adults seen	20	40	28
Vaccines administered	29	66	45
Children seen	69	124	40
Vaccines administered	152	253	84

WOMENS HEALTH

IBCCP/IWP			
227	Total Uninsured/High Deductible Served (86.4% of 600 Target Caseload)		
0	Total Clinical Navigation Served (.07% of 55 Target Caseload)		
11	Abnormal Mammograms FY25	0	Breast Cancers diagnosed FY25
18	Abnormal Breast Exams FY25		
0	Outside diagnosed Breast Cancers referred in for treatment coverage application FY25		
9	Abnormal Pap Test FY25	1	Cervical Cancer/Pre-Cancers diagnosed FY25
0	Outside diagnosed Cervical Cancers referred in for treatment coverage application FY25		

MOBILE CLINIC

Category	Sept-24	Oct-24	Nov-24
WIC			
Immunizations		62	
STI			8
Lead			
TB			
IBCCP			10

NURSING DIVISION

COMMUNICABLE DISEASE				
Tuberculosis				
Cases Identified:				
1	Active (newly identified)			
2	Receiving directly observed treatment (DOT)			
20	Video DOT visits			
5	Latent TB identified			
1	Clients started on LTBI			
5	Interferon-Gamma Released Assays (IGRA)			
24	TB Skin Tests performed			
CD/STD/HIV				
55	Total reportable infectious diseases investigated			
22	Reports received that were transferred out of McHenry County (note: this number does not include transfers for COVID-19)			
	Closed outbreaks total: 13 resulting in 492 ills			
	Norovirus: 6 Ill: 256	AGE (unknown): 1 Ill: 156	Mycoplasma pneumonia:1 Ill: 36	Rotavirus: 1 Ill: 30
	COVID 19: 3 Ill: 4	Group A Strep: 1 Ill: 10		
	Open Outbreaks: 13			
	Covid 19: 8	Scabies: 2	Norovirus: 2	AGE: 1
28	Reportable STDs investigated			
26	STD Clinic Tests	6	STD Clinic Treatments	
3	County residents reached through 5 presentations and outreach efforts			

MATERNAL CHILD			
SERVICES	Oct-24	Nov-24	Dec-24
High Risk Infant Caseload	32	32	30
DCFS ≤ 6 years caseload	123	112	111
DCFS ≥ 6 years caseload	100	99	99
LEAD			
Category	Oct-24	Nov-24	Dec-24
Risk Assessments	9	4	8
Blood Lead Tests	7	4	7
Open Elevated Lead Cases	17	12	11
Open Capillary pending venous cases	5	2	2

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New confirmed Venous Cases	1	1	0
Closed Lead Cases	3	6	1
Home Visits	2	0	1
Referral to IDPH Environmental	2	1	1
Outreach	0	0	0
IMMUNIZATION			
Category	Oct-24	Nov-24	Dec-24
Adults seen	40	28	32
Vaccines administered	66	45	63
Children seen	124	40	39
Vaccines administered	253	84	82

WOMENS HEALTH

IBCCP/IWP			
272	Total Uninsured/High Deductible Served (45% of 600 Target Caseload)		
3	Total Clinical Navigation Served (5% of 55 Target Caseload)		
14	Abnormal Mammograms FY25	0	Breast Cancers diagnosed FY25
23	Abnormal Breast Exams FY25		
2	Outside diagnosed Breast Cancers referred in for treatment coverage application FY25		
9	Abnormal Pap Test FY25	1	Cervical Cancer/Pre-Cancers diagnosed FY25
0	Outside diagnosed Cervical Cancers referred in for treatment coverage application FY25		

MOBILE CLINIC

Category	Oct-24	Nov-24	Dec-24
WIC			
Immunizations	62		
STI		8	
Lead			
TB			
IBCCP		10	



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INTRODUCTION

The McHenry County Department of Health (MCDH) 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 reportable conditions during the current year. The frequency of incident cases are reported for each month. Incident cases include both probable and confirmed cases (**note: 2024 data is provisional**). Summary statistics for each reportable condition are reported and include: annual year-to-date total, annual year-to-date rate, and annual year-to-date reference. The definition (and calculation) of these summary statistics can be found below. Reportable conditions are separated by disease category: arboviral infections, gastrointestinal illnesses, sexually transmitted infections, tick borne diseases, vaccine preventable diseases, and other diseases.

DEFINITION OF TERMS

Incident Case

Incident cases are all newly diagnosed cases in a given timeframe. The frequency of incident cases for each month for the current year are presented in the tables below.

Annual Year-to-Date Total

The annual year-to-date total (**YTD Total**) represents the frequency of new cases that occurred during 2024. It is calculated for each condition as the sum of the frequency of incident cases for all months. The annual total for each disease category are also reported.

Annual Year-to-Date Rate

The annual year-to-date rate (**YTD Rate**) is reported for each condition (and disease category) as the annual year-to-date rate of disease per 100,000 population. It can be interpreted as the number of incident cases per 100,000 residents of McHenry County. It is calculated as the annual year-to-date total divided by the current population of McHenry County (based on the US Census Bureau, 2019-2022 ACS 5-year Estimates for McHenry County: 311,133 people) multiplied by 100,000; this is represented mathematically as:

$$\text{Annual Rate} = \frac{\text{YTD Total}}{311,133} * 100,000$$

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Year-to-Date Reference

Year-to-date reference (**YTD Ref**) serves as a historical reference to detect reportable conditions that are higher than average for the year based on historical data. When the annual total is greater than the annual reference (i.e. $\text{YTD Total} > \text{YTD Ref}$), this indicates that a condition is tracking higher than average (note: a condition that is tracking higher than average does not necessarily indicate the occurrence of an outbreak; the MCDH Epidemiology and CD programs use this data in conjunction with other investigative methods to monitor the spread of illness in the county and identify outbreaks). The past 5-year year-to-date median was used for the calculation of reference values in all cases except where data was unavailable for the past 5 years (median calculated based on available years in these cases).

ARBOVIRAL INFECTIONS

Zero arboviral infections were reported in November 2024. The annual year-to-date total of all arboviral infections is 3 cases. The annual year-to-date rate of all arboviral infections is 1.0 case per 100,000 residents of McHenry County. Table 1 summarizes the frequency of incident cases of arboviral infections for the current year (if a reportable arboviral infection is not shown in Table 1, then it has had no cases from January 2019 to December 2024).

Table 1. Arboviral Infections

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Dengue Fever	0	0	0	0	0	0	0	1	0	1	0		2	0.6	0
West Nile, neuroinvasive	0	0	0	0	0	0	0	1	0	0	0		1	0.3	0
West Nile, non-neuroinvasive	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Zika virus, congenital	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Zika virus, non-congenital	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Total	0	0	0	0	0	0	0	2	0	1	0		3	1.0	-

GASTROINTESTINAL ILLNESSES

Five gastrointestinal illnesses were reported in November 2024. This includes 2 cases of campylobacteriosis and 3 cases of shigellosis. The annual year-to-date total of all gastrointestinal illnesses is 137 cases. The annual year-to-date rate of all gastrointestinal illnesses is 44.0 cases per 100,000 residents of McHenry County. Table 2 summarizes the frequency of incident cases of all gastrointestinal illnesses for 2024.

Table 2. Gastrointestinal Illnesses

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Campylobacteriosis	6	2	6	3	6	7	10	5	6	9	2		62	19.9	36
Cholera	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
<i>Escherichia coli</i> Infections	0	0	1	2	0	1	2	0	3	1	0		10	3.2	9
Salmonellosis	4	2	4	5	13	2	6	6	4	4	0		50	16.1	37
Shigellosis	0	0	0	4	1	1	1	0	1	0	3		11	3.5	4
Typhoid fever and paratyphoid fever	0	0	0	1	0	0	0	1	0	0	0		2	0.6	0
Vibriosis ²	0	0	0	1	0	0	1	0	0	0	0		2	0.6	1
Total	10	4	11	16	20	11	20	12	14	14	5		137	44.0	-

¹ Other than typhoid or paratyphoid

² Other than toxigenic *Vibrio cholerae* O1 or O139

SEXUALLY TRANSMITTED INFECTIONS (STIs)

Twenty-one STIs were reported in November 2024. This includes 19 cases of chlamydia, 1 case of gonorrhea, and 1 case of syphilis. The annual year-to-date total of all STIs is 555 cases. The annual year-to-date rate of all STIs is 178.4 cases per 100,000 residents of McHenry County. Table 3 summarizes the frequency of incident cases of all STIs for 2024 (AIDS/HIV is also a reportable condition but is excluded from the table to protect patient privacy in line with guidelines from the Office of Health Protection).

Table 3. Sexually Transmitted Infections (STIs)

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Chancroid	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Chlamydia	58	50	57	48	41	44	49	45	31	23	19		465	149.5	593
Gonorrhea	11	12	6	7	4	7	9	15	2	3	1		77	24.7	86
Syphilis	0	1	0	1	0	2	1	1	2	4	1		13	4.2	30
Total	69	63	63	56	45	53	59	61	35	30	21		555	178.4	-

SEASONAL RESPIRATORY ILLNESS

One seasonal respiratory illness was reported in November 2024. This includes 1 COVID-19 ICU admission. The annual year-to-date total of all seasonal respiratory illnesses is 36 cases. The annual year-to-date-rate of all seasonal respiratory illnesses is 11.6 cases per 100,000 residents of McHenry County. Table 4 summarized the frequency of incident cases of seasonal respiratory illnesses for 2024.

Table 4. Seasonal Respiratory Illness

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
COVID-19 deaths in those aged < 18 years ¹					0	0	0	0	0	0	0		0	0.0	
COVID-19 ICU admission ¹					1	1	2	4	6	1	1		16	5.1	
Influenza A, novel or variant virus	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Influenza deaths in those aged < 18 years	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Influenza ICU admission	4	7	5	2	0	0	0	0	0	2	0		20	6.4	18
RSV with ICU admission ¹					0	0	0	0	0	0	0		0	0.0	
RSV, deaths among those aged < 5 years ¹					0	0	0	0	0	0	0		0	0.0	
Total	4	7	5	2	1	1	2	4	6	3	1		36	11.6	-

¹Newly added reportable conditions as of February 27, 2024; these conditions were added to the Illinois electronic disease reporting system in May 2024.

TICK BORNE INFECTIONS

Zero tick borne infections were reported in November 2024. The annual year-to-date total of all tick borne infections is 28 cases. The annual year-to-date rate of all tick borne infections is 9.0 cases per 100,000 residents of McHenry County. Table 5 summarizes the frequency of incident cases of tick borne infections for 2024 (only tick borne infections that have had a case reported from January 2019 to December 2024 are included in Table 5).

Table 5. Tick Borne Infections

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Anaplasmosis	1	0	0	0	0	0	0	0	0	0	0		1	0.3	1
Ehrlichiosis	0	0	0	0	0	0	0	0	0	0	0		0	0.0	1
Lyme Disease	1	1	0	1	7	11	2	1	1	2	0		27	8.7	23
Spotted Fever Rickettsioses	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Typhus Murine	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Total	2	1	0	1	7	11	2	1	1	2	0		28	9.0	-

VACCINE PREVENTABLE DISEASES

Fourteen vaccine preventable diseases were reported in November 2024. This includes 2 cases of chickenpox, 1 case of hepatitis B, and 11 cases of pertussis. The annual year-to-date total of all vaccine preventable diseases is 81 cases. The annual year-to-date rate of all vaccine preventable diseases is 26.0 cases per 100,000 residents of McHenry County. Table 6 summarizes the frequency of incident cases of all vaccine preventable diseases for 2024.

Table 6. Vaccine Preventable Diseases

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Chickenpox	0	1	1	0	0	0	0	0	0	1	2		5	1.6	12
Diphtheria	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
<i>Haemophilus influenzae</i> ¹	0	0	3	1	0	3	1	0	0	1	0		9	2.9	4
Hepatitis A	0	0	0	0	0	0	0	0	0	0	0		0	0.0	2
Hepatitis B	1	1	2	0	0	1	0	2	0	0	1		8	2.6	9
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	0	0	0		0	0.0	0
<i>Neisseria meningitidis</i> ²	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Pertussis	1	0	1	2	5	4	3	7	5	20	11		59	19.0	8
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	2	2	7	3	5	8	4	9	5	22	14		81	26.0	-

¹ *Haemophilus influenzae*, invasive disease

² *Neisseria meningitidis*, invasive disease and purpura fulminans

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OTHER DISEASES

Six other diseases were reported in November 2024. This includes 1 case of cryptosporidiosis; 1 case of hepatitis C; and 4 cases of rabies, potential human exposure. The annual year-to-date total of all other diseases is 171 cases. The annual year-to-date rate of all other diseases is 55.0 cases per 100,000 residents of McHenry County. Table 7 summarizes the frequency of incident cases of all other diseases for 2024 (only other diseases that have had a case reported from January 2019 – December 2024 are included in Table 7).

Table 7. Other Diseases

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Cryptosporidiosis	1	0	0	1	0	1	2	1	2	0	1		9	2.9	4
Cyclosporiasis	0	0	0	0	0	8	2	2	0	0	0		12	3.9	4
Group A streptococcal infections, invasive disease ¹			1	0	1	0	0	0	0	0	0		2	0.6	
Hemolytic Uremic Syndrome, Post-diarrheal	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Hepatitis C	4	1	1	3	5	3	3	6	3	3	1		33	10.6	44
Histoplasmosis	0	0	0	0	0	0	1	0	0	0	0		1	0.3	2
Legionellosis	0	0	0	1	3	2	1	2	3	0	0		12	3.9	7
Listeriosis	0	0	0	0	0	0	1	0	0	2	0		3	1.0	1
Malaria	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Mpox	0	0	0	0	0	0	0	0	0	0	0		0	0.0	0
Rabies, Potential Human Exposure ²	3	7	5	3	10	6	11	17	17	10	4		93	29.9	48
<i>Streptococcus Pneumoniae</i> , Invasive Disease ³	0	0	0	0	0	0	0	0	0	1	0		1	0.3	1
Toxic Shock Syndrome (due to <i>Staph aureus</i>)	0	0	0	1	0	0	0	0	0	0	0		1	0.3	0
Tuberculosis	0	1	0	0	2	0	1	0	0	0	0		4	1.3	2
Total	8	9	7	9	21	20	22	28	25	16	6		171	55.0	-

¹ I Updated as of February 27, 2024 to only include persons admitted to the hospital or residing in a residential facility

² As this includes individuals who may have received rabies post exposure prophylaxis (PEP) against public health recommendations, it may overestimate the number of humans exposed to rabies

³ In children less than 5 years



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INTRODUCTION

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DEFINITION OF TERMS

Incident Case

Incident cases are all newly diagnosed cases in a given timeframe. The frequency of incident cases for each month for the current year are presented in the tables below.

Annual Year-to-Date Total

The annual year-to-date total (**YTD Total**) represents the frequency of new cases that occurred during 2024. It is calculated for each condition as the sum of the frequency of incident cases for all months. The annual total for each disease category are also reported.

Annual Year-to-Date Rate

The annual year-to-date rate (**YTD Rate**) is reported for each condition (and disease category) as the annual year-to-date rate of disease per 100,000 population. It can be interpreted as the number of incident cases per 100,000 residents of McHenry County. It is calculated as the annual year-to-date total divided by the current population of McHenry County (based on the US Census Bureau, 2019-2022 ACS 5-year Estimates for McHenry County: 311,133 people) multiplied by 100,000; this is represented mathematically as:

$$\text{Annual Rate} = \frac{\text{YTD Total}}{311,133} * 100,000$$

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Year-to-Date Reference

Year-to-date reference (**YTD Ref**) serves as a historical reference to detect reportable conditions that are higher than average for the year based on historical data. When the annual total is greater than the annual reference (i.e. $\text{YTD Total} > \text{YTD Ref}$), this indicates that a condition is tracking higher than average (note: a condition that is tracking higher than average does not necessarily indicate the occurrence of an outbreak; the MCDH Epidemiology and CD programs use this data in conjunction with other investigative methods to monitor the spread of illness in the county and identify outbreaks). The past 5-year year-to-date median was used for the calculation of reference values in all cases except where data was unavailable for the past 5 years (median calculated based on available years in these cases).

ARBOVIRAL INFECTIONS

Zero arboviral infections were reported in December 2024. The annual year-to-date total of all arboviral infections is 3 cases. The annual year-to-date rate of all arboviral infections is 1.0 case per 100,000 residents of McHenry County. Table 1 summarizes the frequency of incident cases of arboviral infections for the current year (if a reportable arboviral infection is not shown in Table 1, then it has had no cases from January 2019 to December 2024).

Table 1. Arboviral Infections

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Dengue Fever	0	0	0	0	0	0	0	1	0	1	0	0	2	0.6	0
West Nile, neuroinvasive	0	0	0	0	0	0	0	1	0	0	0	0	1	0.3	0
West Nile, non-neuroinvasive	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Zika virus, congenital	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Zika virus, non-congenital	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Total	0	0	0	0	0	0	0	2	0	1	0	0	3	1.0	-

GASTROINTESTINAL ILLNESSES

One gastrointestinal illness was reported in December 2024. This includes 1 case of campylobacteriosis. The annual year-to-date total of all gastrointestinal illnesses is 144 cases. The annual year-to-date rate of all gastrointestinal illnesses is 46.3 cases per 100,000 residents of McHenry County. Table 2 summarizes the frequency of incident cases of all gastrointestinal illnesses for 2024.

Table 2. Gastrointestinal Illnesses

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Campylobacteriosis	6	2	6	3	6	7	10	5	6	9	4	1	65	20.9	38
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
<i>Escherichia coli</i> Infections	0	0	1	3	0	1	2	0	3	1	1	0	12	3.9	9
Salmonellosis	4	2	4	5	13	2	6	6	3	4	2	0	51	16.4	38
Shigellosis	0	0	0	4	1	1	1	0	1	0	3	0	11	3.5	4
Typhoid fever and paratyphoid fever	0	0	0	1	0	0	0	1	0	0	0	0	2	0.6	0
Vibriosis ²	0	0	0	1	0	0	1	0	0	0	1	0	3	1.0	1
Total	10	4	11	17	20	11	20	12	13	14	11	1	144	46.3	-

¹ Other than typhoid or paratyphoid

² Other than toxigenic *Vibrio cholerae* O1 or O139

SEXUALLY TRANSMITTED INFECTIONS (STIs)

Thirty-two STIs were reported in December 2024. This includes 24 cases of chlamydia, 4 cases of gonorrhea, and 4 cases of syphilis. The annual year-to-date total of all STIs is 602 cases. The annual year-to-date rate of all STIs is 193.5 cases per 100,000 residents of McHenry County. Table 3 summarizes the frequency of incident cases of all STIs for 2024 (AIDS/HIV is also a reportable condition but is excluded from the table to protect patient privacy in line with guidelines from the Office of Health Protection).

Table 3. Sexually Transmitted Infections (STIs)

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Chancroid	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Chlamydia	58	50	57	48	41	44	49	46	37	23	25	24	502	161.3	642
Gonorrhea	11	12	6	7	4	7	9	15	3	3	4	4	85	27.3	95
Syphilis	0	1	0	1	0	2	1	1	2	4	3	4	19	6.1	32
Total	69	63	63	56	45	53	59	62	42	30	32	32	602	193.5	-

SEASONAL RESPIRATORY ILLNESS

Nine seasonal respiratory illnesses were reported in December 2024. This includes 2 COVID-19 ICU admissions and 7 influenza ICU admissions. The annual year-to-date total of all seasonal respiratory illnesses is 47 cases. The annual year-to-date-rate of all seasonal respiratory illnesses is 15.1 cases per 100,000 residents of McHenry County. Table 4 summarized the frequency of incident cases of seasonal respiratory illnesses for 2024.

Table 4. Seasonal Respiratory Illness

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
COVID-19 deaths in those aged < 18 years ¹					0	0	0	0	0	0	0	0	0	0.0	
COVID-19 ICU admission ¹					1	1	2	4	6	1	3	2	20	6.4	
Influenza A, novel or variant virus	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Influenza deaths in those aged < 18 years	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Influenza ICU admission	4	7	5	2	0	0	0	0	0	2	0	7	27	8.7	18
RSV with ICU admission ¹					0	0	0	0	0	0	0	0	0	0.0	
RSV, deaths among those aged < 18 years ²	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Total	4	7	5	2	1	1	2	4	6	3	3	9	47	15.1	-

¹Newly added reportable conditions as of February 27, 2024; these conditions were added to the Illinois electronic disease reporting system in May 2024.

²Newly added reportable condition as of February 27, 2024. Reportable condition amended on October 23, 2024 to be the death of a child younger than 18 years of age (was previously the death of a child younger than 5 years of age). This condition was added to the Illinois electronic disease reporting system in May 2024.

TICK BORNE INFECTIONS

Zero tick borne infections were reported in December 2024. The annual year-to-date total of all tick borne infections is 28 cases. The annual year-to-date rate of all tick borne infections is 9.0 cases per 100,000 residents of McHenry County. Table 5 summarizes the frequency of incident cases of tick borne infections for 2024 (only tick borne infections that have had a case reported from January 2019 to December 2024 are included in Table 5).

Table 5. Tick Borne Infections

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Anaplasmosis	1	0	0	0	0	0	0	0	0	0	0	0	1	0.3	1
Ehrlichiosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	1
Lyme Disease	1	1	0	1	7	11	2	1	1	2	0	0	27	8.7	26
Spotted Fever Rickettsioses	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Typhus Murine	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Total	2	1	0	1	7	11	2	1	1	2	0	0	28	9.0	-

VACCINE PREVENTABLE DISEASES

Fourteen vaccine preventable diseases were reported in December 2024. This includes 1 case of *Haemophilus influenzae* and 13 cases of pertussis. The annual year-to-date total of all vaccine preventable diseases is 106 cases. The annual year-to-date rate of all vaccine preventable diseases is 34.1 cases per 100,000 residents of McHenry County. Table 6 summarizes the frequency of incident cases of all vaccine preventable diseases for 2024.

Table 6. Vaccine Preventable Diseases

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Chickenpox	0	1	1	0	0	0	0	0	0	1	2	0	5	1.6	12
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
<i>Haemophilus influenzae</i> ¹	0	0	3	1	0	3	1	0	0	1	1	1	11	3.5	4
Hepatitis A	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	2
Hepatitis B	1	1	2	0	0	1	0	2	0	0	1	0	8	2.6	11
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Mumps	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
<i>Neisseria meningitidis</i> ²	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Pertussis	1	0	1	2	5	4	3	7	5	21	20	13	82	26.4	8
Rubella	0	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	0
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Total	2	2	7	3	5	8	4	9	5	23	24	14	106	34.1	-

¹ *Haemophilus influenzae*, invasive disease

² *Neisseria meningitidis*, invasive disease and purpura fulminans

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OTHER DISEASES

Three other diseases were reported in December 2024. This includes 1 case of cryptosporidiosis; 1 case of rabies, potential human exposure; and 1 case of tuberculosis. The annual year-to-date total of all other diseases is 182 cases. The annual year-to-date rate of all other diseases is 58.5 cases per 100,000 residents of McHenry County. Table 7 summarizes the frequency of incident cases of all other diseases for 2024 (only other diseases that have had a case reported from January 2019 – December 2024 are included in Table 7).

Table 7. Other Diseases

Condition	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Rate	YTD Ref
Cryptosporidiosis	1	0	0	1	0	1	2	1	2	0	2	1	11	3.5	4
Cyclosporiasis	0	0	0	0	0	8	2	2	0	1	0	0	13	4.2	4
Group A streptococcal infections, invasive disease ¹			1	0	1	0	0	0	0	0	0	0	2	0.6	
Hemolytic Uremic Syndrome, Post-diarrheal	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Hepatitis C	4	1	1	3	5	3	3	6	3	3	2	0	34	10.9	52
Histoplasmosis	0	0	0	0	0	0	1	0	0	1	0	0	2	0.6	3
Legionellosis	0	0	0	1	3	2	1	2	3	0	1	0	13	4.2	8
Listeriosis	0	0	0	0	0	0	1	0	0	2	0	0	3	1.0	1
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Mpox	0	0	0	0	0	0	0	0	0	0	1	0	1	0.3	0
Rabies, Potential Human Exposure ²	3	7	5	3	10	6	11	17	17	11	5	1	96	30.9	49
<i>Streptococcus Pneumoniae</i> , Invasive Disease ³	0	0	0	0	0	0	0	0	0	1	0	0	1	0.3	1
Toxic Shock Syndrome (due to <i>Staph aureus</i>)	0	0	0	1	0	0	0	0	0	0	0	0	1	0.3	0
Tuberculosis	0	1	0	0	2	0	1	0	0	0	0	1	5	1.6	2
Total	8	9	7	9	21	20	22	28	25	19	11	3	182	58.5	-

¹ I Updated as of February 27, 2024 to only include persons admitted to the hospital or residing in a residential facility

² As this includes individuals who may have received rabies post exposure prophylaxis (PEP) against public health recommendations, it may overestimate the number of humans exposed to rabies

³ In children less than 5 years

2024 McHenry County Department of Health Overdose Surveillance, Prevention, and Response Monthly Statistics

Cluster Investigation Statistics

The metrics below give information on the clusters McHenry County Department of Health (MCDH) and its partners in the Overdose Surveillance and Communication Workgroup identified and the Overdose Prevention and Response Team responded to in 2024. A cluster is defined as an unusual increase in overdoses in a specific time period. The statistics presented represent the number of clusters of that type identified and not the number of overdoses that are part of the cluster. To protect privacy, statistics on the number of overdoses that make up the cluster are not reported below. In some instances, an alert communication will be sent out to professionals or the community to provide information and not in relation to a specific cluster in McHenry County. The total number of alert communications may be higher than the number of clusters identified as a result. The cluster information is reported out based on the start date of the cluster and may not necessarily reflect the month the activity was performed.

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Potential Clusters Investigated	0	2	0	1	4	1	0	2	0	2	0		12
Clusters Identified	0	1	0	0	2	1	0	1	0	1	0		6
Substance Classification													
Known Opioid Cluster	0	0	0	0	2	1	0	1	0	0	0		4
Suspect Opioid Cluster	0	0	0	0	0	0	0	0	0	0	0		0
Non-Opioid Cluster	0	0	0	0	0	0	0	0	0	0	0		0
Other Drug with Suspect Opioid Cluster ¹	0	0	0	0	0	0	0	0	0	0	0		0
Unknown Cluster	0	1	0	0	0	0	0	0	0	1	0		2
Severity of Cluster													
Fatal Cluster	0	0	0	0	0	0	0	0	0	1	0		1
Non-Fatal Cluster	0	0	0	0	2	1	0	0	0	0	0		3
Fatal and Non-Fatal Cluster	0	1	0	0	0	0	0	1	0	0	0		2
Alert Communications													
Total	0	6	0	0	0	2	0	4	0	3	0		15
Workgroup	0	3	0	0	0	2	0	3	0	2	0		10
Professional	0	1	0	0	0	0	0	0	0	0	0		1
Community	0	2	0	0	0	0	0	1	0	1	0		4

1. Denotes an overdose cluster related to a non-opioid drug where naloxone was found to be effective in reversing the overdose, indicating the drug contained an unknown opioid

2024 McHenry County Department of Health Opioid Surveillance, Prevention, and Response Monthly Statistics

Program Statistics

Any metric below that contains a dash ("-") represents a metric that was not officially tracked during that month.

Data Management

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Data Sources	4	4	4	4	4	4	4	4	4	4	4		NA
Total Alerts Managed	23	23	23	23	23	23	23	23	23	23	23		NA

Naloxone Management

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Naloxone Distributed	423	175	178	188	293	257	191	150	123	255	146		2379
Community Members	33	127	88	81	220	83	167	132	85	158	21		1195
First Responders/Law Enforcement	117	2	3	28	8	85	0	0	26	17	110		396
Organizations	245	0	3	0	0	24	9	9	0	2	15		307
Vending Machines ¹	28	46	84	79	65	65	15	9	12	78	0		481

Fentanyl Test Strip Management²

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Fentanyl Test Strips Distributed	94	44	135	185	90	448	112	81	116	104	140		1549
Community Members	42	4	30	39	18	23	3	0	10	0	0		169
First Responders/Law Enforcement ³	-	-	-	-	-	425	0	0	60	0	140		625
Organizations	0	0	0	0	0	0	50	0	0	0	0		50
Vending Machines ¹	52	40	105	146	72	0	59	81	46	104	0		705

Community Education

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Trained Response Team Members	26	26	26	26	26	26	26	26	26	26	26		NA
Overdose Prevention Education Activities	29	87	12	7	14	37	15	166	64	8	6		445
Community Events	3	1	1	1	6	2	5	9	5	5	3		41
Substance Use Prevention Presentations ⁴	3	4	8	2	7	1	2	1	0	0	0		28
Naloxone Trainings	23	82	3	4	1	34	8	156	59	3	3		376
Community Members Engaged	144	146	172	106	171	70	244	353	283	362	135		2186
Community Events	31	22	30	48	104	31	214	336	224	269	79		1388
Substance Use Prevention Presentations ⁴	90	30	139	23	64	5	30	8	0	0	0		389
Naloxone Trainings	23	94	3	35	3	34	0	9	59	93	56		409
Organizations Engaged ⁴	13	18	9	13	19	4	5	12	11	14	13		131
Community Events	9	1	5	7	10	2	2	11	10	10	10		77
Substance Use Prevention Presentations ⁴	3	6	3	2	8	2	3	1	0	0	0		28
Naloxone Trainings	1	11	1	4	1	0	0	0	1	4	3		26

1. Vending machines are restocked by MCDH and our partners

2. Fields are new to 2024 metrics

3. A dash ("-") indicates that the metric was not officially tracked during that month

4. Field interpretation has changed and fields cannot be compared to metrics of previous years

2024 McHenry County Department of Health Overdose Surveillance, Prevention, and Response Monthly Statistics

Cluster Investigation Statistics

The metrics below give information on the clusters McHenry County Department of Health (MCDH) and its partners in the Overdose Surveillance and Communication Workgroup identified and the Overdose Prevention and Response Team responded to in 2024. A cluster is defined as an unusual increase in overdoses in a specific time period. The statistics presented represent the number of clusters of that type identified and not the number of overdoses that are part of the cluster. To protect privacy, statistics on the number of overdoses that make up the cluster are not reported below. In some instances, an alert communication will be sent out to professionals or the community to provide information and not in relation to a specific cluster in McHenry County. The total number of alert communications may be higher than the number of clusters identified as a result. The cluster information is reported out based on the start date of the cluster and may not necessarily reflect the month the activity was performed.

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Potential Clusters Investigated	0	2	0	1	4	1	0	2	0	2	0	1	13
Clusters Identified	0	1	0	0	2	1	0	1	0	1	0	1	7
Substance Classification													
Known Opioid Cluster	0	0	0	0	2	1	0	1	0	0	0	1	5
Suspect Opioid Cluster	0	0	0	0	0	0	0	0	0	0	0	0	0
Non-Opioid Cluster	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Drug with Suspect Opioid Cluster ¹	0	0	0	0	0	0	0	0	0	0	0	0	0
Unknown Cluster	0	1	0	0	0	0	0	0	0	1	0	0	2
Severity of Cluster													
Fatal Cluster	0	0	0	0	0	0	0	0	0	1	0	0	1
Non-Fatal Cluster	0	0	0	0	2	1	0	0	0	0	0	1	4
Fatal and Non-Fatal Cluster	0	1	0	0	0	0	0	1	0	0	0	0	2
Alert Communications													
Total	0	6	0	0	0	2	0	4	0	3	0	0	15
Workgroup	0	3	0	0	0	2	0	3	0	2	0	0	10
Professional	0	1	0	0	0	0	0	0	0	0	0	0	1
Community	0	2	0	0	0	0	0	1	0	1	0	0	4

1. Denotes an overdose cluster related to a non-opioid drug where naloxone was found to be effective in reversing the overdose, indicating the drug contained an unknown opioid

2024 McHenry County Department of Health Opioid Surveillance, Prevention, and Response Monthly Statistics

Program Statistics

Any metric below that contains a dash ("-") represents a metric that was not officially tracked during that month.

Data Management

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Data Sources	4	4	4	4	4	4	4	4	4	4	4	4	NA
Total Alerts Managed	23	23	23	23	23	23	23	23	23	23	23	23	NA

Naloxone Management

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Naloxone Distributed	423	175	178	190	300	259	197	150	125	256	149	80	2482
Community Members	33	127	88	83	227	85	173	132	87	159	24	5	1223
First Responders/Law Enforcement	117	2	3	28	8	85	0	0	26	17	110	41	437
Organizations	245	0	3	0	0	24	9	9	0	2	15	0	307
Vending Machines ¹	28	46	84	79	65	65	15	9	12	78	0	34	515

Fentanyl Test Strip Management²

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Fentanyl Test Strips Distributed	94	44	135	185	90	448	112	81	116	104	140	161	1710
Community Members	42	4	30	39	18	23	3	0	10	0	0	0	169
First Responders/Law Enforcement ³	-	-	-	-	-	425	0	0	60	0	140	100	725
Organizations	0	0	0	0	0	0	50	0	0	0	0	0	50
Vending Machines ¹	52	40	105	146	72	0	59	81	46	104	0	61	766

Community Education

Metric	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Trained Response Team Members	26	26	26	26	26	26	26	26	26	26	26	26	NA
Overdose Prevention Education Activities	29	87	12	7	14	37	15	166	64	8	6	1	446
Community Events	3	1	1	1	6	2	5	9	5	5	3	0	41
Substance Use Prevention Presentations ⁴	3	4	8	2	7	1	2	1	0	0	0	0	28
Naloxone Trainings	23	82	3	4	1	34	8	156	59	3	3	1	377
Community Members Engaged	144	146	172	106	171	70	244	353	283	362	135	15	2201
Community Events	31	22	30	48	104	31	214	336	224	269	79	0	1388
Substance Use Prevention Presentations ⁴	90	30	139	23	64	5	30	8	0	0	0	0	389
Naloxone Trainings	23	94	3	35	3	34	0	9	59	93	56	15	424
Organizations Engaged ⁴	13	18	9	13	19	4	5	12	11	14	13	5	136
Community Events	9	1	5	7	10	2	2	11	10	10	10	0	77
Substance Use Prevention Presentations ⁴	3	6	3	2	8	2	3	1	0	0	0	0	28
Naloxone Trainings	1	11	1	4	1	0	0	0	1	4	3	5	31

1. Vending machines are restocked by MCDH and our partners

2. Fields are new to 2024 metrics

3. A dash ("-") indicates that the metric was not officially tracked during that month

4. Field interpretation has changed and fields cannot be compared to metrics of previous years

STI Clinic	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total YTD	Annual Rate YTD †
STI Clinic Clients Tested	29	28	16	37	24	27	28	25	22	27	30	26	319	102.5
Clients Treated	8	11	3	5	6	4	6	3	2	4	5	6	63	20.2
Partners of Positives Treated	6	7	4	3	4	2	2	1	5	1	0	0	35	11.2
Clients for Test of Cure	1	0	2	3	1	0	2	2	0	1	2	0	14	4.5

McHenry County (311,133 people)

CD and STI Investigation Activity	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total YTD	YTD Reference †
Not a Case (NAC)	27	23	46	57	52	53	53	58	38	35	16	19	477	419
Out of Jurisdiction (OOJ)*	0	1	0	0	0	0	0	0	0	0	0	0	1	20
Transfers*	7	8	4	6	5	11	21	18	8	18	18	22	146	211
CD Stool Specimens Collected	1	2	2	0	0	0	2	4	2	2	1	0	16	92
Perinatal Hepatitis B Case Management	0	0	0	2	1	1	0	0	0	0	0	0	4	0

† Past 1-year year-to-date (YTD) used as reference

*Statistics do not include COVID-19 cases

CD Presentations/Outreach	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total YTD
# of Presentations	3	3	4	6	0	2	2	3	10	3	4	2	42
# of People Reached	236	23	52	879	0	3	233	185	527	3	19	2	2162

Additional Activities	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual Total YTD	YTD Reference †
Employee Vaccinations	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Employee Serology	1	1	4	0	3	1	3	2	3	0	2		20	21
Animal Control Staff: PEP (# Vaccines Given)	0	0	0	0	0	0	0	0	0	0	0		0	12
Animal Control Staff: Rabies Titers	0	0	1	1	1	0	0	0	0	0	0		3	2

† Past 1-year year-to-date (YTD) used as reference